



EMPLOYMENT AND EARNINGS

April 1987

U.S. Department of Labor
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U.S. DEPARTMENT OF LABOR

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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.

Household data

Annual averages	Jan.
Union affiliation	Jan.
Revised seasonally adjusted series	Jan., Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, family relationship data, weekly earnings data, and metropolitan-nonmetropolitan and poverty-nonpoverty area data	Jan., Apr., July, Oct.

Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employees (final)	Mar.
National data revised to reflect new benchmarks and new seasonal adjustment factors	June
Revised historical national data	Supplement ¹
State and area annual averages	May
Area definitions	May

State and area labor force data

Annual averages	May
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¹ The latest supplement was published in June 1986.

Employment and Earnings

Vol. 34 No. 4 April 1987

Editors: Gloria Peterson Green, Rosalie K. Epstein

Contents

	<i>Page</i>
List of statistical tables	2
Employment and unemployment developments, March 1987	5
Statistical tables:	
Not seasonally adjusted—	
Household data	10
Quarterly averages	54
Establishment data:	
Employment	76
Hours and earnings	111
State and area labor force data	145
Seasonally adjusted—	
Household data	37
Quarterly averages	44
Establishment data:	
Employment	88
Hours and earnings	133
Productivity data	141
Explanatory notes	151

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1953 to date	7
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1976 to date	8
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1953 to date	9
A- 4.	Employment status of the civilian noninstitutional population by age, sex, and race	10
A- 5.	Employment status of the black-and-other civilian noninstitutional population by sex and age	13
A- 6.	Employment status of the civilian noninstitutional population by race, sex, and age	14
A- 7.	Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin	15
A- 8.	Employment status of male Vietnam-era veterans and nonveterans by age	17
A- 9.	Employed and unemployed full-and part-time workers by sex, age, and race	18
A-10.	Employment status of persons in families by family relationship	19

Characteristics of the Unemployed

A-11.	Unemployed persons by marital status, race, age, and sex	20
A-12.	Unemployed persons by occupation and sex	21
A-13.	Unemployed persons by industry and sex	22
A-14.	Unemployed persons by reason for unemployment, sex, and race	23
A-15.	Unemployed persons by reason for unemployment, sex, age, and duration of unemployment	24
A-16.	Unemployed persons by duration of unemployment	24
A-17.	Unemployed persons by sex, age, race, marital status, and duration of unemployment	25
A-18.	Unemployed persons by occupation, industry, and duration of unemployment	26
A-19.	Unemployed jobseekers by sex, age, race, and jobsearch methods used	27
A-20.	Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used	27

Characteristics of the Employed

A-21.	Employed civilians in agriculture and nonagricultural industries by age and sex	28
A-22.	Employed civilians by occupation, sex, and age	29
A-23.	Employed civilians by occupation, race, and sex	30
A-24.	Employed civilians by age, sex, and class of worker	31
A-25.	Employed civilians by industry and occupation	32
A-26.	Employed civilians with a job but not at work by reason, sex, and pay status	32
A-27.	Persons at work by hours of work and type of industry	33
A-28.	Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status	33
A-29.	Persons at work in nonagricultural industries by class of worker and full- or part-time status	34
A-30.	Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status	35
A-31.	Persons at work in nonfarm occupations by sex and full- or part-time status	36

Seasonally Adjusted Employment and Unemployment Data

A-32.	Employment status of the noninstitutional population, including Armed Forces stationed in the United States, by sex, seasonally adjusted	37
A-33.	Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted	38
A-34.	Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted	39
A-35.	Employed civilians by selected social and economic categories, seasonally adjusted	40
A-36.	Employed civilians by sex and age, seasonally adjusted	41
A-37.	Unemployed persons by sex and age, seasonally adjusted	41
A-38.	Unemployment rates by sex and age, seasonally adjusted	42
A-39.	Selected unemployment indicators, seasonally adjusted	42
A-40.	Unemployed persons by duration of unemployment, seasonally adjusted	43
A-41.	Unemployed persons by reason for unemployment, seasonally adjusted	43

QUARTERLY HOUSEHOLD DATA

Page

Seasonally Adjusted Employment and Unemployment Data

A-42.	Employment status of the noninstitutional population, including Armed Forces stationed in the United States, by sex, seasonally adjusted	44
A-43.	Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted	45
A-44.	Employment status of the civilian noninstitutional population by race, sex, and Hispanic origin, seasonally adjusted	46
A-45.	Employed and unemployed full-and part-time workers by sex and age, seasonally adjusted	48
A-46.	Employed civilians by selected social and economic categories, seasonally adjusted	49
A-47.	Employed civilians by sex and age, seasonally adjusted	50
A-48.	Unemployed persons by sex and age, seasonally adjusted	50
A-49.	Unemployment rates by sex and age, seasonally adjusted	51
A-50.	Selected unemployment indicators, seasonally adjusted	51
A-51.	Unemployed persons by duration of unemployment, seasonally adjusted	52
A-52.	Unemployed persons by reason for unemployment, seasonally adjusted	52

Persons Not in the Labor Force

A-53.	Persons not in the labor force by reason, sex, and race, seasonally adjusted	53
A-54.	Persons not in the labor force by reason, sex, and age	54
A-55.	Persons not in the labor force by reason, race, Hispanic origin, age, and sex	55
A-56.	Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin	56
A-57.	Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race	57

Race and Hispanic Origin Data

A-58.	Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin	58
A-59.	Employment status of persons of Mexican, Puerto Rican, and Cuban origin by sex and age	59
A-60.	Employed civilians by selected social and economic categories, race, and Hispanic origin	60
A-61.	Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories	61
A-62.	Employed civilians by sex, age, race, and Hispanic origin	62
A-63.	Unemployment rates by sex, age, race, and Hispanic origin	62
A-64.	Unemployed persons by duration of unemployment, race, and Hispanic origin	63
A-65.	Unemployed persons by reason for unemployment, race, and Hispanic origin	63

Vietnam-era Veterans and Nonveterans Data

A-66.	Employment status of male Vietnam-era veterans and nonveterans by age	64
A-67.	Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin	64

Family Relationship and Weekly Earnings Data

A-68.	Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members	65
A-69.	Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members	66
A-70.	Employed civilians by family relationship, race, Hispanic origin, and presence of additional employed family members	67
A-71.	Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin	68
A-72.	Families with unemployed members and wage and salary workers by type of family and median weekly earnings	69
A-73.	Median weekly earnings of full-time wage and salary workers by selected characteristics	70
A-74.	Median weekly earnings of part-time wage and salary workers by selected characteristics	71
A-75.	Median weekly earnings of full-time wage and salary workers by occupation and sex	72

Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

A-76.	Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin	73
A-77.	Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin	74

MONTHLY ESTABLISHMENT DATA

Page

Employment—National

B- 1.	Employees on nonagricultural payrolls by major industry, 1935 to date .	75
B- 2.	Employees on nonagricultural payrolls by detailed industry	76
B- 3.	Women employees on nonagricultural payrolls by major industry and manufacturing group .	87
B- 4.	Employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	88
B- 5.	Women employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	89
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	90
B- 7.	Indexes of diffusion: Percent of industries in which employment increased, seasonally adjusted .	91

Employment—States and Areas

B- 8.	Employees on nonagricultural payrolls in States and selected areas by major industry	92
-------	--	----

Hours and Earnings—National

C- 1.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, 1964 to date	111
C- 2.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by detailed industry	114
C- 2a.	Average hourly earnings in aircraft manufacturing	130
C- 3.	Average hourly earnings, excluding overtime of production workers on manufacturing payrolls	131
C- 4.	Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls by major industry, in current and constant (1977) dollars	132
C- 5.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	133
C- 6.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private non- agricultural payrolls by major industry and manufacturing group, seasonally adjusted .	134
C- 7.	The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted .	135

Hours and Earnings—States and Areas

C- 8.	Average hours and earnings of production workers on manufacturing payrolls in States and selected areas .	136
-------	--	-----

PRODUCTIVITY DATA

C- 9.	Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted	141
C-10.	Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted . .	142
C-11.	Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates .	143

MONTHLY STATE AND AREA LABOR FORCE DATA

D- 1.	Labor force status by State and selected metropolitan areas .	145
-------	---	-----

Employment and Unemployment Developments, March 1987

The number of jobs on nonfarm payrolls rose slightly in March, and unemployment was about unchanged. The overall unemployment rate was 6.5 percent and the civilian rate was 6.6 percent; these rates had been 6.6 and 6.7 percent, respectively, for 3 consecutive months.

Nonagricultural payroll employment—as measured by the survey of business establishments—edged up by 165,000 in March, following several months of more substantial increases. Civilian employment—as measured through the household survey—was unchanged in March, after also showing large increases in recent months.

Unemployment

Both the number of unemployed persons—7.9 million in March—and the civilian worker unemployment rate—6.6 percent—were little changed from their February marks, after seasonal adjustment. Likewise, jobless rates for most of the major labor force groups showed little or no over-the-month change. March's unemployment rates for adult men (5.8 percent), adult women (5.8 percent), teenagers (18.1 percent), whites (5.6 percent), blacks (13.9 percent), and Hispanics (9.0 percent) were either the same or little different from February. Jobless rates have declined, however, for most of these groups over the past year. (See tables A-33 and A-34.)

The number of persons employed part time for economic reasons—sometimes referred to as the partially unemployed—decreased by 325,000 in March to 5.5 million, following a rise of a similar magnitude in February. (See table A-35.)

Civilian employment and the labor force

Civilian employment, at 111.4 million in March, was unchanged after seasonal adjustment. There were no substantive over-the-month changes among any of the major demographic groups. At 61.1 percent, the proportion of the civilian population with jobs edged down 0.1 percentage point from its record high of the prior month. Over the past 12 months, civilian employment has risen by 2.6 million. About half of the increase has occurred within the managerial and professional occupations, and one-fifth has taken place in sales and administrative support occupations. (See tables A-33, A-34, and A-22.)

The civilian labor force was also unchanged over the month, and the labor force participation rate edged down to

65.4 percent. Over the year, the labor force has risen by 2.0 million.

Discouraged workers

In the first quarter of 1987, there were 1.2 million discouraged workers—persons who wanted to work but had not looked for jobs because they believed that they could not find work. The number of discouraged workers has fluctuated between 1.1 and 1.3 million for the past 3 years. Blacks and women continued to be disproportionately represented among the discouraged. (See table A-53.)

Industry payroll employment

Total nonagricultural employment rose by 165,000 in March, a modest increase compared to those of the prior 6 months. Virtually all of the over-the-month employment gain occurred in the service-producing industries. (See table B-4.)

The services industry continued its strong expansion, with a 75,000 increase in jobs, two-thirds of which occurred in business and health services. Employment growth also continued in finance, insurance, and real estate. In retail trade, where there had been strong increases in the prior 2 months (after seasonal adjustment), there was a relatively small employment gain in March.

In the goods-producing sector, manufacturing employment edged down by 25,000. At 19.2 million, factory employment was about the same in March as it was at the end of 1986. Much of the over-the-month decline was concentrated in motor vehicles and in electrical and electronic equipment; each has lost about 30,000 jobs over the past year. Construction employment was down about 45,000, seasonally adjusted, but was still 50,000 above its year-end level. Mining employment changed little over the month, and has experienced little further erosion since the rapid job losses that occurred in its oil and gas extraction component during the first 9 months of 1986.

Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was down 0.2 hour to 34.8 hours, seasonally adjusted, the same as the January level. The manufacturing workweek also reversed its increase of the prior month with a decline of 0.3 hour to 40.9, still quite high by historical standards. (See table C-5.)

Due to the drop in hours, the index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls was down 0.4 percent to 120.4 (1977=100), seasonally adjusted. The manufacturing index fell by 0.8 percent to 93.8, reflecting both the decline in hours and in employment. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings rose 0.3 percent in March after allowance for seasonality, while weekly earnings decreased 0.2 percent. Before seasonal adjustment, hourly earnings increased by 1 cent to \$8.90, and weekly earnings were up by \$1.23 to \$307.94. Over the year, hourly earnings rose

by 17 cents and weekly earnings were up \$5.01. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 171.8 (1977=100) in March, seasonally adjusted, an increase of 0.3 percent from February. For the 12 months ended in March, the increase was 2.0 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in manufacturing overtime and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.1 percent during the 12-month period ended in February. (See table C-7.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
April	May 8	July	August 7
May	June 5	August	September 4
June	July 2	September	October 2

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1953 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
Annual averages											
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752
Monthly data, seasonally adjusted ²											
1986:											
March	181,678	118,880	65.4	110,500	1,693	108,807	3,252	105,555	8,380	7.0	62,798
April	181,843	118,987	65.4	110,664	1,695	108,969	3,199	105,770	8,323	7.0	62,856
May	181,998	119,274	65.5	110,852	1,687	109,165	3,151	106,014	8,422	7.1	62,724
June	182,183	119,685	65.7	111,293	1,680	109,613	3,164	106,449	8,392	7.0	62,498
July	182,354	119,789	65.7	111,559	1,672	109,887	3,124	106,763	8,230	6.9	62,565
August	182,525	119,821	65.6	111,764	1,697	110,067	3,057	107,010	8,057	6.7	62,704
September	182,713	119,988	65.7	111,703	1,716	109,987	3,142	106,845	8,285	6.9	62,725
October	182,935	120,163	65.7	111,941	1,749	110,192	3,162	107,030	8,222	6.8	62,772
November	183,114	120,426	65.8	112,183	1,751	110,432	3,215	107,217	8,243	6.8	62,688
December	183,297	120,336	65.7	112,387	1,750	110,637	3,161	107,476	7,949	6.6	62,961
1987:											
January	183,575	120,782	65.8	112,759	1,748	111,011	3,145	107,866	8,023	6.6	62,793
February	183,738	121,089	65.9	113,122	1,740	111,382	3,236	108,146	7,967	6.6	62,649
March	183,915	120,958	65.8	113,104	1,736	111,368	3,284	108,084	7,854	6.5	62,957

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

² The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Revisions of seasonally adjusted monthly and quarterly data (shown in tables A-1 through A-3 and A-32 through A-53 of this publication) for the most recent 5-year period are made at the end of each calendar year.

HOUSEHOLD DATA HISTORICAL

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1976 to date

(Numbers in thousands)

Sex, year, and month	Noninsti- tutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
Annual averages											
MEN											
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484
1984	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771
1985	86,025	65,967	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058
1986 ¹	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376
Monthly data, seasonally adjusted ²											
1986:											
March	87,035	66,793	76.7	62,221	1,540	60,681	2,621	58,060	4,572	6.8	20,242
April	87,120	66,770	76.6	62,253	1,541	60,712	2,572	58,140	4,517	6.8	20,350
May	87,195	66,854	76.7	62,201	1,533	60,668	2,510	58,158	4,653	7.0	20,341
June	87,288	66,937	76.7	62,318	1,525	60,793	2,541	58,252	4,619	6.9	20,351
July	87,373	66,968	76.6	62,402	1,518	60,884	2,486	58,398	4,566	6.8	20,405
August	87,460	66,911	76.5	62,483	1,541	60,942	2,397	58,545	4,428	6.6	20,549
September	87,556	67,128	76.7	62,528	1,560	60,968	2,495	58,473	4,600	6.9	20,428
October	87,682	67,130	76.6	62,565	1,590	60,975	2,513	58,462	4,565	6.8	20,552
November	87,773	67,407	76.8	62,833	1,592	61,241	2,506	58,735	4,574	6.8	20,366
December	87,868	67,425	76.7	62,986	1,593	61,393	2,489	58,904	4,439	6.6	20,443
1987:											
January	88,020	67,672	76.9	63,187	1,591	61,596	2,474	59,123	4,484	6.6	20,348
February	88,099	67,764	76.9	63,335	1,584	61,751	2,544	59,207	4,429	6.5	20,335
March	88,186	67,644	76.7	63,282	1,575	61,707	2,639	59,068	4,362	6.4	20,542
Annual averages											
WOMEN											
1976	82,476	39,069	47.4	35,701	86	35,615	588	35,027	3,369	8.6	43,406
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686
1986 ¹	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376
Monthly data, seasonally adjusted ²											
1986:											
March	94,643	52,087	55.0	48,279	153	48,126	631	47,495	3,808	7.3	42,556
April	94,723	52,217	55.1	48,411	154	48,257	627	47,630	3,806	7.3	42,506
May	94,803	52,420	55.3	48,651	154	48,497	641	47,856	3,769	7.2	42,383
June	94,895	52,748	55.6	48,975	155	48,820	623	48,197	3,773	7.2	42,147
July	94,981	52,821	55.6	49,157	154	49,003	638	48,365	3,664	6.9	42,160
August	95,065	52,910	55.7	49,281	156	49,125	660	48,465	3,629	6.9	42,155
September	95,156	52,860	55.6	49,175	156	49,019	647	48,372	3,685	7.0	42,296
October	95,253	53,033	55.7	49,376	159	49,217	649	48,568	3,657	6.9	42,220
November	95,341	53,019	55.6	49,350	159	49,191	709	48,482	3,669	6.9	42,322
December	95,429	52,911	55.4	49,401	157	49,244	672	48,572	3,510	6.6	42,518
1987:											
January	95,556	53,110	55.6	49,572	157	49,415	671	48,744	3,538	6.7	42,446
February	95,639	53,325	55.8	49,787	156	49,631	692	48,939	3,538	6.6	42,314
March	95,729	53,314	55.7	49,822	161	49,661	645	49,016	3,492	6.6	42,415

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

² The population and Armed Forces figures are not adjusted for seasonal variation.

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1953 to date

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
	Annual averages							
1953 ¹	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 ¹	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
	Monthly data, seasonally adjusted ²							
1986:								
March	179,985	117,187	65.1	108,807	8,380	7.2	7.0	7.3
April	180,148	117,292	65.1	108,969	8,323	7.1	6.9	7.3
May	180,311	117,587	65.2	109,165	8,422	7.2	7.1	7.2
June	180,503	118,005	65.4	109,613	8,392	7.1	7.1	7.2
July	180,682	118,117	65.4	109,887	8,230	7.0	7.0	7.0
August	180,828	118,124	65.3	110,067	8,057	6.8	6.8	6.9
September	180,997	118,272	65.3	109,987	8,285	7.0	7.0	7.0
October	181,186	118,414	65.4	110,192	8,222	6.9	7.0	6.9
November	181,363	118,675	65.4	110,432	8,243	6.9	6.9	6.9
December	181,547	118,586	65.3	110,637	7,949	6.7	6.7	6.7
1987:								
January	181,827	119,034	65.5	111,011	8,023	6.7	6.8	6.7
February	181,998	119,349	65.6	111,382	7,967	6.7	6.7	6.7
March	182,179	119,222	65.4	111,368	7,854	6.6	6.6	6.6

¹ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-4. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	February										
	March 1987										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		TOTAL	Keeping house	Going to school	Unable to work	Other reasons
Number	Percent of labor force										
TOTAL											
16 years and over	182,179	118,353	65.0	110,229	8,124	6.9	63,826	28,744	9,473	3,027	22,582
16 to 19 years	14,555	7,287	50.1	5,946	1,341	18.4	7,268	403	6,332	31	502
16 to 17 years	7,464	3,008	40.3	2,375	633	21.1	4,457	88	4,164	4	201
18 to 19 years	7,091	4,279	60.3	3,572	707	16.5	2,812	315	2,168	28	301
20 to 24 years	19,150	14,821	77.4	13,254	1,568	10.6	4,329	1,579	1,928	85	737
25 to 54 years	98,621	81,320	82.5	76,675	4,644	5.7	17,302	12,207	1,187	1,049	2,858
25 to 34 years	42,208	35,025	83.0	32,677	2,348	6.7	7,183	5,114	786	292	991
25 to 29 years	21,467	17,907	83.4	16,580	1,327	7.4	3,561	2,393	512	131	527
30 to 34 years	20,740	17,119	82.5	16,096	1,023	6.0	3,622	2,722	274	161	464
35 to 44 years	33,417	28,200	84.4	26,725	1,475	5.2	5,218	3,741	291	354	832
35 to 39 years	18,459	15,624	84.6	14,726	898	5.7	2,835	2,058	195	156	423
40 to 44 years	14,958	12,576	84.1	11,999	577	4.6	2,382	1,681	96	198	408
45 to 54 years	22,995	18,095	78.7	17,274	822	4.5	4,900	3,352	110	403	1,035
45 to 49 years	12,152	9,868	81.2	9,457	411	4.2	2,285	1,580	84	173	448
50 to 54 years	10,843	8,228	75.9	7,817	411	5.0	2,615	1,772	25	230	588
55 to 64 years	21,904	11,846	54.1	11,371	475	4.0	10,058	5,236	18	735	4,068
55 to 59 years	11,094	7,138	64.3	6,856	282	3.9	3,957	2,337	14	335	1,271
60 to 64 years	10,809	4,708	43.6	4,515	193	4.1	6,101	2,900	4	400	2,797
65 years and over	27,950	3,080	11.0	2,983	97	3.1	24,870	9,319	8	1,127	14,415
65 to 69 years	9,677	1,872	19.3	1,801	69	3.7	7,805	3,041	6	257	4,501
70 to 74 years	7,547	762	10.1	742	21	2.8	6,785	2,629	1	231	3,925
75 years and over	10,726	446	4.2	439	6	1.3	10,279	3,649	1	640	5,989
Men											
16 years and over	86,611	65,409	75.5	60,716	4,693	7.2	21,202	520	4,891	1,692	14,098
16 to 19 years	7,308	3,716	50.8	2,964	752	20.2	3,592	18	3,311	14	249
16 to 17 years	3,794	1,510	39.8	1,177	332	22.0	2,285	11	2,172	2	99
18 to 19 years	3,514	2,206	62.8	1,787	419	19.0	1,308	7	1,139	12	150
20 to 24 years	9,291	7,749	83.4	6,878	872	11.2	1,542	32	1,042	64	405
25 to 54 years	48,156	45,095	93.6	42,394	2,701	6.0	3,061	181	534	698	1,647
25 to 34 years	20,724	19,509	94.1	18,168	1,341	6.9	1,215	65	395	200	554
25 to 29 years	10,530	9,829	93.3	9,081	748	7.6	701	33	282	80	307
30 to 34 years	10,193	9,680	95.0	9,086	594	6.1	513	33	113	120	247
35 to 44 years	16,310	15,427	94.6	14,597	830	5.4	883	54	97	229	503
35 to 39 years	9,032	8,579	95.0	8,070	509	5.9	453	35	66	102	249
40 to 44 years	7,278	6,848	94.1	6,527	321	4.7	430	19	31	127	254
45 to 54 years	11,122	10,160	91.3	9,629	530	5.2	963	62	42	269	590
45 to 49 years	5,892	5,473	92.9	5,229	244	4.5	420	27	29	117	247
50 to 54 years	5,230	4,687	89.6	4,400	287	6.1	543	35	13	152	343
55 to 64 years	10,303	6,988	67.8	6,685	303	4.3	3,314	92	5	480	2,738
55 to 59 years	5,271	4,198	79.6	4,007	191	4.5	1,073	41	3	219	810
60 to 64 years	5,032	2,790	55.5	2,678	113	4.0	2,241	51	2	260	1,928
65 years and over	11,554	1,861	16.1	1,796	65	3.5	9,693	197	437	9,059	
65 to 69 years	4,376	1,111	25.4	1,069	41	3.7	3,265	62	149	3,054	
70 to 74 years	3,229	481	14.9	463	19	4.0	2,748	36	97	2,615	
75 years and over	3,949	269	6.8	263	5	2.0	3,680	99	192	3,390	
Women											
16 years and over	95,568	52,945	55.4	49,513	3,432	6.5	42,624	28,223	4,582	1,335	8,483
16 to 19 years	7,247	3,571	49.3	2,982	589	16.5	3,676	384	3,021	17	253
16 to 17 years	3,670	1,498	40.8	1,197	301	20.1	2,172	76	1,992	2	102
18 to 19 years	3,577	2,073	58.0	1,785	288	13.9	1,504	308	1,029	15	151
20 to 24 years	9,859	7,072	71.7	6,376	696	9.8	2,787	1,547	887	21	333
25 to 54 years	50,465	36,225	71.8	34,281	1,943	5.4	14,241	12,026	653	351	1,211
25 to 34 years	21,485	15,516	72.2	14,509	1,007	6.5	5,968	5,048	391	92	437
25 to 29 years	10,937	8,078	73.9	7,499	579	7.2	2,860	2,360	230	51	220
30 to 34 years	10,547	7,439	70.5	7,010	429	5.8	3,109	2,689	161	41	217
35 to 44 years	17,107	12,773	74.7	12,128	645	5.0	4,334	3,687	194	125	329
35 to 39 years	9,427	7,045	74.7	6,656	389	5.5	2,382	2,025	129	54	174
40 to 44 years	7,680	5,728	74.6	5,472	256	4.5	1,952	1,662	65	71	154
45 to 54 years	11,873	7,935	66.8	7,644	291	3.7	3,938	3,290	68	134	446
45 to 49 years	6,260	4,395	70.2	4,228	167	3.8	1,865	1,553	55	56	201
50 to 54 years	5,613	3,541	63.1	3,417	124	3.5	2,072	1,737	12	78	245
55 to 64 years	11,601	4,858	41.9	4,686	172	3.5	6,743	5,144	14	255	1,330
55 to 59 years	5,823	2,940	50.5	2,849	91	3.1	2,883	2,295	11	116	461
60 to 64 years	5,778	1,918	33.2	1,837	81	4.2	3,860	2,849	2	140	869
65 years and over	16,396	1,219	7.4	1,188	32	2.6	15,177	9,122	8	690	5,356
65 to 69 years	5,301	761	14.4	732	28	3.7	4,540	2,979	6	108	1,447
70 to 74 years	4,318	281	6.5	279	2	.7	4,037	2,593	1	134	1,310
75 years and over	6,777	177	2.6	176	1	.8	6,599	3,550	1	448	2,599

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	February										
	March 1987										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		TOTAL	Keeping house	Going to school	Unable to work	Other reasons
Number	Percent of labor force										
WHITE											
16 years and over ..	156,561	102,137	65.2	96,032	6,105	6.0	54,424	25,125	7,284	2,358	19,657
16 to 19 years	11,937	6,367	53.3	5,343	1,024	16.1	5,570	321	4,865	28	356
16 to 17 years	6,117	2,661	43.5	2,160	501	18.8	3,456	77	3,223	4	152
18 to 19 years	5,820	3,706	63.7	3,183	523	14.1	2,114	244	1,642	24	204
20 to 24 years	15,980	12,664	79.3	11,595	1,069	8.4	3,315	1,256	1,490	47	522
25 to 54 years	84,165	69,833	83.0	66,287	3,546	5.1	14,331	10,459	904	769	2,202
25 to 34 years	35,575	29,775	83.7	28,027	1,748	5.9	5,800	4,296	606	210	688
25 to 29 years	18,028	15,233	84.5	14,244	988	6.5	2,797	1,971	399	88	339
30 to 34 years	17,547	14,543	82.9	13,783	760	5.2	3,004	2,325	208	121	349
35 to 44 years	28,774	24,375	84.7	23,232	1,143	4.7	4,399	3,273	207	276	642
35 to 39 years	15,774	13,394	84.9	12,707	688	8.4	2,380	1,787	127	127	324
40 to 44 years	13,000	10,981	84.5	10,526	455	4.1	2,019	1,476	79	149	319
45 to 54 years	19,817	15,684	79.1	15,028	656	4.2	4,133	2,890	90	282	871
45 to 49 years	10,438	8,515	81.6	8,187	329	3.9	1,923	1,373	70	116	354
50 to 54 years	9,378	7,169	76.4	6,842	327	4.6	2,211	1,537	21	166	517
55 to 64 years	19,317	10,463	54.2	10,079	384	3.7	8,854	4,652	17	582	3,603
55 to 59 years	9,724	6,284	64.6	6,054	230	3.7	3,440	2,031	13	274	1,122
60 to 64 years	9,593	4,179	43.6	4,025	154	3.7	5,414	2,621	4	308	2,481
65 years and over ..	25,162	2,809	11.2	2,728	82	2.9	22,353	8,437	8	933	12,975
65 to 69 years	8,646	1,697	19.6	1,635	61	3.6	6,948	2,714	6	199	4,028
70 to 74 years	6,788	694	10.2	679	15	2.2	6,093	2,368	1	188	3,537
75 years and over ..	9,729	418	4.3	412	6	1.4	9,311	3,354	1	547	5,409
Men											
16 years and over ..	74,984	57,185	76.3	53,508	3,678	6.4	17,799	394	3,743	1,322	12,340
16 to 19 years	6,014	3,249	54.0	2,658	592	18.2	2,764	13	2,560	14	176
16 to 17 years	3,128	1,341	42.9	1,071	269	20.1	1,788	8	1,705	2	73
18 to 19 years	2,885	1,909	66.2	1,586	322	16.9	977	5	855	12	104
20 to 24 years	7,818	6,672	85.3	6,047	624	9.4	1,146	20	795	35	295
25 to 54 years	41,602	39,324	94.5	37,164	2,160	5.5	2,277	116	384	527	1,251
25 to 34 years	17,704	16,845	95.1	15,788	1,057	6.3	860	37	297	149	376
25 to 29 years	8,953	8,459	94.5	7,859	600	7.1	495	18	227	59	191
30 to 34 years	8,751	8,386	95.8	7,929	458	5.5	365	19	71	90	185
35 to 44 years	14,202	13,549	95.4	12,888	661	4.9	653	39	56	180	378
35 to 39 years	7,810	7,477	95.7	7,070	407	5.4	333	26	36	81	190
40 to 44 years	6,393	6,072	95.0	5,818	254	4.2	320	13	20	99	188
45 to 54 years	9,696	8,931	92.1	8,488	443	5.0	765	41	30	197	497
45 to 49 years	5,123	4,814	94.0	4,607	208	4.3	309	20	20	79	191
50 to 54 years	4,572	4,117	90.0	3,882	235	5.7	456	21	11	118	306
55 to 64 years	9,133	6,228	68.2	5,982	246	3.9	2,905	71	4	390	2,440
55 to 59 years	4,657	3,732	80.1	3,571	161	4.3	925	29	2	180	714
60 to 64 years	4,476	2,496	55.8	2,411	85	3.4	1,980	42	2	210	1,726
65 years and over ..	10,418	1,711	16.4	1,656	55	3.2	8,706	172	357	8,178	8,178
65 to 69 years	3,938	1,020	25.9	982	38	3.7	2,917	55	117	2,745	2,745
70 to 74 years	2,914	435	14.9	422	13	3.0	2,479	29	77	2,374	2,374
75 years and over ..	3,566	256	7.2	251	5	2.1	3,310	88	163	3,059	3,059
Women											
16 years and over ..	81,577	44,952	55.1	42,525	2,427	5.4	36,625	24,731	3,541	1,036	7,317
16 to 19 years	5,924	3,117	52.6	2,685	432	13.9	2,806	308	2,305	14	180
16 to 17 years	2,989	1,320	44.2	1,088	232	17.6	1,669	69	1,518	2	80
18 to 19 years	2,934	1,797	61.2	1,597	200	11.1	1,137	238	787	12	100
20 to 24 years	8,162	5,992	73.4	5,548	444	7.4	2,170	1,236	695	12	227
25 to 54 years	42,563	30,509	71.7	29,123	1,386	4.5	12,054	10,343	520	242	951
25 to 34 years	17,871	12,930	72.4	12,240	691	5.3	4,941	4,259	309	60	312
25 to 29 years	9,075	6,774	74.6	6,385	388	5.7	2,302	1,953	172	29	148
30 to 34 years	8,796	6,157	70.0	5,854	302	4.9	2,639	2,306	137	31	164
35 to 44 years	14,571	10,826	74.3	10,344	482	4.5	3,745	3,234	151	96	264
35 to 39 years	7,964	5,917	74.3	5,637	281	4.7	2,047	1,775	91	46	134
40 to 44 years	6,607	4,909	74.3	4,708	201	4.1	1,699	1,459	59	50	131
45 to 54 years	10,121	6,753	66.7	6,540	213	3.2	3,368	2,849	60	85	374
45 to 49 years	5,315	3,701	69.6	3,580	121	3.3	1,614	1,364	50	37	163
50 to 54 years	4,806	3,052	63.5	2,960	92	3.0	1,755	1,486	10	48	211
55 to 64 years	10,184	4,235	41.6	4,097	139	3.3	5,949	4,581	13	192	1,163
55 to 59 years	5,067	2,552	50.4	2,483	69	2.7	2,515	2,002	11	93	408
60 to 64 years	5,117	1,683	32.9	1,614	69	4.1	3,434	2,579	2	99	755
65 years and over ..	14,744	1,098	7.4	1,072	26	2.4	13,646	8,265	8	577	4,797
65 to 69 years	4,708	677	14.4	653	23	3.4	4,031	2,659	6	82	1,283
70 to 74 years	3,874	259	6.7	257	2	.8	3,614	2,339	1	111	1,163
75 years and over ..	6,163	162	2.6	161	1	.4	6,001	3,266	1	384	2,350

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	February										
	March 1987										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		TOTAL	Keeping house	Going to school	Unable to work	Other reasons
Number	Percent of labor force										
BLACK											
16 years and over ..	20,249	12,687	62.7	10,927	1,760	13.9	7,561	2,887	1,615	602	2,457
16 to 19 years	2,155	768	35.6	481	287	37.4	1,387	73	1,172	3	139
16 to 17 years	1,115	283	25.4	162	121	42.8	832	9	776		46
18 to 19 years	1,040	485	46.6	319	166	34.2	555	63	396	3	92
20 to 24 years ..	2,595	1,773	68.3	1,320	453	25.6	822	292	297	33	199
25 to 54 years	11,069	8,822	79.7	7,887	935	10.6	2,247	1,297	146	247	558
25 to 34 years	5,107	4,090	80.1	3,578	511	12.5	1,017	596	92	72	257
25 to 29 years ..	2,651	2,080	78.5	1,797	283	13.6	570	316	59	39	157
30 to 34 years ..	2,457	2,009	81.8	1,781	228	11.3	448	280	33	33	100
35 to 44 years	3,518	2,902	82.5	2,618	284	9.8	616	343	43	69	161
35 to 39 years ..	2,026	1,706	84.2	1,517	189	11.1	321	176	35	27	82
40 to 44 years ..	1,491	1,196	80.2	1,100	95	7.9	295	167	8	41	79
45 to 54 years	2,444	1,830	74.9	1,691	139	7.6	614	358	11	106	140
45 to 49 years ..	1,293	1,018	78.7	953	65	6.4	273	143	8	45	78
50 to 54 years ..	1,152	811	70.4	738	73	9.0	340	215	3	61	62
55 to 64 years	2,093	1,105	52.8	1,033	71	6.5	988	486		136	366
55 to 59 years ..	1,098	676	61.6	641	35	5.2	422	246		55	120
60 to 64 years	994	428	43.1	392	36	8.4	566	239		81	246
65 years and over ..	2,337	220	9.4	206	14	6.1	2,117	739		183	1,195
65 to 69 years	852	139	16.3	131	7	5.0	713	272		54	387
70 years and over ..	1,485	81	5.5	75	6	7.4	1,404	467		128	808
Men											
16 years and over ..	9,080	6,335	69.8	5,480	855	13.5	2,744	107	827	330	1,481
16 to 19 years	1,060	387	36.5	244	142	36.8	673	4	599	-	70
16 to 17 years	562	139	24.7	80	59	42.3	423	3	392		26
18 to 19 years	499	248	49.8	164	84	33.8	250	-	207		43
20 to 24 years ..	1,182	880	74.4	662	218	24.8	303	10	164	25	103
25 to 54 years	4,955	4,355	87.9	3,916	439	10.1	601	56	64	146	336
25 to 34 years	2,304	2,042	88.6	1,810	233	11.4	262	26	40	43	153
25 to 29 years ..	1,197	1,046	87.4	928	118	11.3	150	14	22	18	97
30 to 34 years ..	1,108	996	89.9	881	115	11.5	112	13	18	24	56
35 to 44 years	1,566	1,387	88.6	1,250	137	9.9	178	11	18	44	106
35 to 39 years ..	902	814	90.3	727	87	10.7	88	7	12	20	49
40 to 44 years ..	663	573	86.4	523	49	8.6	90	4	6	23	57
45 to 54 years	1,085	924	85.2	856	69	7.4	161	19	6	59	77
45 to 49 years ..	574	491	85.6	464	27	5.6	82	7	4	28	44
50 to 54 years ..	511	433	84.7	392	41	9.5	78	12	2	32	33
55 to 64 years	942	593	63.0	546	48	8.0	348	17		82	249
55 to 59 years ..	497	368	74.1	345	23	6.3	129	11		37	82
60 to 64 years	444	225	50.7	201	24	10.8	219	6		46	167
65 years and over ..	941	122	12.9	113	9	7.4	819	20		77	723
65 to 69 years	370	73	19.8	70	3	(¹)	297	7		31	259
70 years and over ..	571	49	8.5	43	6	(¹)	522	13		45	464
Women											
16 years and over ..	11,169	6,352	56.9	5,447	905	14.2	4,817	2,780	788	272	977
16 to 19 years	1,095	381	34.8	236	145	38.0	714	69	573	3	69
16 to 17 years	553	144	26.0	82	62	43.4	409	6	384		20
18 to 19 years	541	237	43.8	155	82	34.7	304	63	189	3	49
20 to 24 years ..	1,413	894	63.2	658	235	26.3	519	282	133	8	96
25 to 54 years	6,114	4,467	73.1	3,971	496	11.1	1,646	1,241	82	101	222
25 to 34 years	2,803	2,047	73.0	1,769	278	13.6	755	570	52	29	104
25 to 29 years ..	1,454	1,034	71.1	869	165	16.0	420	302	37	21	60
30 to 34 years ..	1,349	1,013	75.1	900	113	11.2	336	267	15	9	44
35 to 44 years	1,952	1,515	77.6	1,368	147	9.7	437	332	25	25	55
35 to 39 years ..	1,124	892	79.3	790	102	11.4	233	169	23	7	33
40 to 44 years ..	828	623	75.3	577	46	7.3	205	163	2	18	22
45 to 54 years	1,359	905	66.6	835	71	7.8	454	339	5	47	63
45 to 49 years ..	719	527	73.4	489	38	7.3	191	136	4	17	34
50 to 54 years ..	641	378	59.1	346	32	8.5	262	203	1	29	29
55 to 64 years	1,151	511	44.4	488	24	4.7	640	469		54	117
55 to 59 years ..	602	309	51.3	297	12	3.9	293	236		19	39
60 to 64 years	550	203	36.9	191	12	5.8	347	233		35	79
65 years and over ..	1,396	98	7.0	94	5	4.6	1,298	719		106	472
65 to 69 years	482	66	13.6	61	4	(¹)	416	265		23	128
70 years and over ..	914	32	3.5	32		(¹)	882	454		83	344

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

A-5. Employment status of the black-and-other civilian noninstitutional population by age and sex

(Numbers in thousands)

Age and sex	February								Not in labor force
	March 1987								
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	25,618	16,216	63.3	14,197	174	14,022	2,019	12.5	9,402
16 to 19 years	2,618	920	35.1	603	3	600	317	34.4	1,698
16 to 17 years	1,347	347	25.7	215	1	214	132	38.0	1,000
18 to 19 years	1,271	573	45.1	388	3	386	185	32.2	698
20 to 24 years	3,171	2,157	68.0	1,659	16	1,642	499	23.1	1,014
25 to 54 years	14,456	11,486	79.5	10,388	96	10,292	1,098	9.6	2,969
25 to 34 years	6,633	5,250	79.2	4,650	41	4,609	601	11.4	1,383
25 to 29 years	3,439	2,674	77.8	2,336	19	2,317	338	12.6	765
30 to 34 years	3,194	1,367	42.8	2,314	21	2,291	262	19.2	618
35 to 44 years	4,644	3,824	82.4	3,492	34	3,459	332	8.7	819
35 to 39 years	2,686	2,230	83.0	2,020	18	2,001	210	9.4	456
40 to 44 years	1,958	1,595	81.5	1,473	15	1,458	122	7.6	363
45 to 54 years	3,178	2,411	75.9	2,246	21	2,225	166	6.9	767
45 to 49 years	1,714	1,351	78.8	1,270	4	1,267	82	6.1	362
50 to 54 years	1,465	1,059	72.3	976	18	958	84	7.9	405
55 to 64 years	2,587	1,383	53.5	1,292	44	1,248	91	6.6	1,204
55 to 59 years	1,371	854	62.3	802	24	778	52	6.0	517
60 to 64 years	1,216	529	43.5	489	20	470	39	7.4	687
65 years and over	2,788	271	9.7	256	16	240	15	5.5	2,517
65 to 69 years	1,031	174	16.9	166	2	164	9	5.2	857
70 to 74 years	759	68	9.0	63	10	53	5	(1)	691
75 years and over	997	28	2.8	27	4	23	1	(1)	969
Men									
16 years and over	11,627	8,223	70.7	7,208	142	7,066	1,015	12.3	3,403
16 to 19 years	1,294	466	36.0	306	3	303	160	34.3	828
16 to 17 years	666	169	25.4	106	1	105	63	37.3	497
18 to 19 years	628	297	47.3	200	3	198	97	32.6	331
20 to 24 years	1,473	1,077	73.1	830	15	816	247	22.9	396
25 to 54 years	6,554	5,771	88.1	5,230	73	5,157	541	9.4	783
25 to 34 years	3,019	2,664	88.2	2,380	32	2,348	284	10.7	355
25 to 29 years	1,577	1,370	86.9	1,222	14	1,208	148	10.8	207
30 to 34 years	1,442	1,294	89.7	1,158	17	1,140	136	10.5	148
35 to 44 years	2,108	1,878	89.1	1,709	25	1,684	169	9.0	230
35 to 39 years	1,223	1,102	90.1	1,000	12	988	102	9.2	121
40 to 44 years	885	776	87.6	709	13	696	67	8.6	109
45 to 54 years	1,427	1,229	86.1	1,141	16	1,125	88	7.1	198
45 to 49 years	769	658	85.6	622	3	620	36	5.5	110
50 to 54 years	658	570	86.7	519	14	505	52	9.1	87
55 to 64 years	1,169	760	65.0	702	37	665	58	7.6	409
55 to 59 years	614	466	75.9	436	18	418	30	6.4	148
60 to 64 years	555	294	53.0	266	19	248	28	9.4	261
65 years and over	1,136	149	13.1	140	15	125	10	6.4	987
65 to 69 years	438	90	20.6	87	2	85	4	3.9	348
70 to 74 years	315	47	14.9	41	9	32	6	(1)	268
75 years and over	383	12	3.1	12	4	8	(1)	(1)	371
Women									
16 years and over	13,991	7,993	57.1	6,988	32	6,956	1,004	12.6	5,998
16 to 19 years	1,323	454	34.3	297	-	297	157	34.6	870
16 to 17 years	681	178	26.1	109	-	109	69	38.7	503
18 to 19 years	643	276	42.9	188	-	188	88	31.9	367
20 to 24 years	1,697	1,080	63.6	828	2	826	251	23.3	618
25 to 54 years	7,902	5,715	72.3	5,158	23	5,135	557	9.7	2,186
25 to 34 years	3,614	2,586	71.6	2,269	9	2,260	317	12.2	1,028
25 to 29 years	1,862	1,304	70.0	1,114	5	1,109	190	14.6	558
30 to 34 years	1,752	1,282	73.2	1,156	4	1,151	126	9.8	470
35 to 44 years	2,536	1,947	76.8	1,784	9	1,775	163	8.4	589
35 to 39 years	1,463	1,128	77.1	1,020	6	1,013	108	9.6	335
40 to 44 years	1,073	819	76.3	764	2	762	55	6.7	254
45 to 54 years	1,752	1,182	67.5	1,104	5	1,100	78	6.6	569
45 to 49 years	945	693	73.4	648	1	647	46	6.6	252
50 to 54 years	807	489	60.6	457	4	453	32	6.6	318
55 to 64 years	1,417	623	43.9	589	7	583	33	5.3	795
55 to 59 years	756	388	51.3	366	6	360	22	5.6	368
60 to 64 years	661	235	35.5	223	1	222	12	4.9	426
65 years and over	1,652	121	7.3	116	1	115	5	4.4	1,530
65 to 69 years	593	84	14.2	79	-	79	5	6.1	509
70 to 74 years	444	21	4.7	22	1	21	1	(1)	423
75 years and over	614	16	2.6	15	-	15	-	(1)	598

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

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
TOTAL								
Civilian noninstitutional population	179,985	182,179	78,236	79,303	87,263	88,321	14,485	14,555
Civilian labor force	116,309	118,353	60,908	61,693	48,060	49,374	7,342	7,287
Percent of population ..	64.6	65.0	77.9	77.8	55.1	55.9	50.7	50.1
Employed	107,643	110,229	56,730	57,752	44,948	46,531	5,964	5,946
Agriculture	2,899	2,932	2,177	2,201	529	530	194	202
Nonagricultural industries	104,744	107,297	54,553	55,551	44,420	46,001	5,771	5,745
Unemployed	8,667	8,124	4,178	3,941	3,111	2,843	1,378	1,341
Unemployment rate	7.5	6.9	6.9	6.4	6.5	5.8	18.8	18.4
Not in labor force	63,675	63,826	17,328	17,610	39,204	38,948	7,143	7,268
White								
Civilian noninstitutional population ..	155,005	156,561	68,210	68,971	74,935	75,654	11,860	11,937
Civilian labor force	100,558	102,137	53,386	53,936	40,828	41,834	6,345	6,367
Percent of population ..	64.9	65.2	78.3	78.2	54.5	55.3	53.5	53.3
Employed	93,984	96,032	50,108	50,850	38,522	39,839	5,355	5,343
Agriculture	2,708	2,758	2,014	2,061	508	498	185	198
Nonagricultural industries ..	91,277	93,275	48,093	48,788	38,014	39,341	5,170	5,145
Unemployed	6,574	6,105	3,278	3,086	2,306	1,995	990	1,024
Unemployment rate	6.5	6.0	6.1	5.7	5.6	4.8	15.6	16.1
Not in labor force ..	54,447	54,424	14,825	15,035	34,107	33,819	5,515	5,570
Black								
Civilian noninstitutional population ..	19,889	20,249	7,862	8,020	9,892	10,074	2,135	2,155
Civilian labor force	12,479	12,687	5,858	5,949	5,787	5,971	834	768
Percent of population ..	62.7	62.7	74.5	74.2	58.5	59.3	39.1	35.6
Employed	10,643	10,927	5,081	5,236	5,082	5,211	480	481
Agriculture	137	113	120	98	10	15	7	2
Nonagricultural industries ..	10,506	10,814	4,961	5,139	5,072	5,195	473	479
Unemployed	1,836	1,760	777	713	705	760	354	287
Unemployment rate	14.7	13.9	13.3	12.0	12.2	12.7	42.5	37.4
Not in labor force ..	7,410	7,561	2,003	2,071	4,105	4,103	1,301	1,387

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	March 1987									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time¹	Part time¹	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
TOTAL ENROLLED										
Total, 16 to 24 years	16,044	7,564	47.1	6,595	1,194	5,401	969	131	838	12.8
16 to 19 years	11,148	4,701	42.2	3,948	327	3,622	753	58	694	16.0
20 to 24 years	4,896	2,863	58.5	2,647	867	1,779	216	72	144	7.5
High school	8,912	3,628	40.7	2,955	180	2,775	674	52	621	18.6
College	7,132	3,935	55.2	3,641	1,014	2,626	295	78	217	7.5
Full-time students	6,081	3,021	49.7	2,770	424	2,346	251	57	195	8.3
Part-time students	1,051	914	87.0	870	590	280	44	22	22	4.8
Men, 16 to 24 years	8,161	3,737	45.8	3,205	598	2,607	532	82	450	14.2
16 to 19 years	5,659	2,319	41.0	1,912	169	1,742	407	39	368	17.6
20 to 24 years	2,502	1,418	56.7	1,293	428	865	124	43	81	8.8
High school	4,699	1,906	40.6	1,528	112	1,416	378	39	339	19.8
College	3,462	1,831	52.9	1,677	486	1,191	154	43	111	8.4
Full-time students	2,971	1,397	47.0	1,276	211	1,065	121	29	92	8.7
Part-time students	491	434	88.2	401	275	125	33	14	19	7.6
Women, 16 to 24 years	7,882	3,827	48.6	3,390	596	2,794	437	49	388	11.4
16 to 19 years	5,489	2,382	43.4	2,037	157	1,879	345	19	326	14.5
20 to 24 years	2,393	1,445	60.4	1,354	439	914	92	29	62	6.3
High school	4,213	1,722	40.9	1,426	68	1,358	296	14	282	17.2
College	3,669	2,105	57.4	1,964	528	1,436	141	35	106	6.7
Full-time students	3,110	1,624	52.2	1,494	214	1,281	130	27	103	8.0
Part-time students	559	481	86.0	470	315	155	11	8	3	2.2
White										
Total, 16 to 24 years	13,275	6,688	50.4	5,955	1,060	4,895	732	82	650	10.9
16 to 19 years	9,177	4,193	45.7	3,595	293	3,302	598	46	552	14.3
20 to 24 years	4,098	2,495	60.9	2,361	767	1,594	134	36	98	5.4
Men	6,763	3,308	48.9	2,894	518	2,376	414	53	361	12.5
Women	6,512	3,379	51.9	3,061	543	2,519	318	29	289	9.4
High school	7,208	3,201	44.4	2,674	165	2,509	527	37	490	16.5
College	6,067	3,487	57.5	3,282	895	2,386	205	45	160	5.9
Full-time students	5,142	2,672	52.0	2,501	368	2,133	171	26	145	6.4
Part-time students	925	814	88.0	781	527	253	34	18	15	4.1
Black										
Total, 16 to 24 years	2,109	649	30.8	448	91	357	200	35	165	30.9
16 to 19 years	1,579	407	25.8	271	26	245	136	10	126	33.5
20 to 24 years	530	242	45.6	178	65	113	64	25	39	26.5
Men	1,053	315	30.0	221	54	166	95	20	75	30.0
Women	1,056	333	31.5	227	37	191	106	15	90	31.7
High school	1,393	349	25.1	221	13	208	128	11	117	36.6
College	715	299	41.8	227	78	149	72	24	48	24.2
Full-time students	622	227	36.5	163	36	127	63	20	43	28.0
Part-time students	94	72	77.2	63	42	22	9	4	5	(²)
Hispanic origin										
Total, 16 to 24 years	1,264	505	39.9	414	115	300	90	15	75	17.9
16 to 19 years	930	293	31.5	228	23	206	65	11	54	22.2
20 to 24 years	334	211	63.3	186	92	94	25	5	20	12.0
Men	625	248	39.7	199	58	141	49	11	39	19.8
Women	639	256	40.1	215	57	158	41	5	36	16.0
High school	797	229	28.7	177	18	160	52	6	46	22.6
College	467	276	59.1	237	97	140	39	9	29	14.0
Full-time students	365	188	51.6	160	42	118	29	4	24	15.2
Part-time students	101	87	85.8	77	55	22	10	5	5	11.4

See footnotes at end of table.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	March 1987									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time¹	Part time¹	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
TOTAL NOT ENROLLED										
Total, 16 to 24 years	17,662	14,544	82.3	12,605	10,822	1,783	1,939	1,767	172	13.3
16 to 19 years	3,407	2,586	75.9	1,998	1,507	490	588	523	65	22.7
20 to 24 years	14,255	11,958	83.9	10,607	9,315	1,292	1,351	1,245	107	11.3
Less than 4 years of high school ...	4,262	2,774	65.1	2,040	1,648	392	734	663	71	26.5
4 years of high school	9,134	7,807	85.5	6,916	5,910	1,006	892	812	80	11.4
1 to 3 years of college	2,817	2,555	90.7	2,314	2,027	287	242	225	17	9.5
4 years of college or more ...	1,448	1,407	97.2	1,335	1,237	98	72	68	4	5.1
Men, 16 to 24 years	8,437	7,728	91.6	6,637	5,966	670	1,091	1,041	50	14.1
16 to 19 years	1,649	1,396	84.7	1,052	842	210	344	320	24	24.6
20 to 24 years	6,789	6,332	93.3	5,584	5,124	460	747	721	27	11.8
Less than 4 years of high school ...	2,252	1,849	82.1	1,370	1,194	176	479	449	30	25.9
4 years of high school	4,328	4,086	94.4	3,618	3,262	356	467	453	14	11.4
1 to 3 years of college	1,188	1,142	96.1	1,035	934	101	107	103	4	9.3
4 years of college or more	669	651	97.3	614	576	37	38	35	2	5.8
Women, 16 to 24 years	9,224	6,816	73.9	5,968	4,856	1,112	848	726	122	12.4
16 to 19 years	1,758	1,189	67.7	945	665	280	244	202	42	20.5
20 to 24 years	7,466	5,627	75.4	5,023	4,190	832	604	524	80	10.7
Less than 4 years of high school ...	2,010	925	46.0	670	455	216	255	214	41	27.6
4 years of high school	4,806	3,721	77.4	3,297	2,648	650	424	358	66	11.4
1 to 3 years of college	1,629	1,413	86.8	1,278	1,093	186	135	122	13	9.5
4 years of college or more	779	756	97.0	722	661	61	34	32	2	4.5
White										
Total, 16 to 24 years	14,642	12,344	84.3	10,983	9,480	1,503	1,361	1,242	118	11.0
16 to 19 years	2,760	2,174	78.8	1,749	1,324	424	426	382	44	19.6
20 to 24 years	11,882	10,169	85.6	9,234	8,156	1,078	935	860	75	9.2
Men	7,068	6,613	93.6	5,811	5,255	556	802	775	27	12.1
Women	7,574	5,731	75.7	5,172	4,225	946	559	468	91	9.8
Less than 4 years of high school ...	3,353	2,297	68.5	1,787	1,446	342	510	469	41	22.2
4 years of high school	7,616	6,618	86.9	5,975	5,149	825	643	579	64	9.7
1 to 3 years of college	2,365	2,154	91.1	2,003	1,757	246	152	143	9	7.0
4 years of college or more	1,308	1,274	97.4	1,218	1,129	90	55	51	4	4.4
Black										
Total, 16 to 24 years	2,641	1,893	71.7	1,353	1,105	248	540	492	48	28.5
16 to 19 years	576	361	62.7	210	147	63	151	131	20	41.8
20 to 24 years	2,065	1,532	74.2	1,143	957	185	389	361	28	25.4
Men	1,189	951	80.0	685	587	99	266	246	20	27.9
Women	1,452	942	64.9	667	518	149	274	246	28	29.1
Less than 4 years of high school ...	807	403	50.0	194	151	44	209	183	26	51.8
4 years of high school	1,349	1,051	77.9	823	657	165	228	213	15	21.7
1 to 3 years of college	374	331	88.4	244	214	30	87	79	8	26.2
4 years of college or more ...	111	108	96.7	91	83	9	16	16		15.3
Hispanic origin										
Total, 16 to 24 years	1,995	1,467	73.5	1,270	1,071	199	197	187	10	13.4
16 to 19 years	393	259	65.9	184	123	61	75	72	3	28.8
20 to 24 years	1,602	1,208	75.4	1,086	948	138	123	115	7	10.1
Men	1,039	947	91.2	818	716	102	129	126	3	13.6
Women	957	520	54.4	452	355	98	68	61	7	13.1
Less than 4 years of high school ...	973	636	65.4	516	432	85	120	113	6	18.9
4 years of high school	755	595	78.8	529	443	85	66	63	4	11.2
1 to 3 years of college	212	185	87.1	174	146	28	11	11		5.8
4 years of college or more	55	51	(²)	51	50	1				(²)

¹ Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

college students into that group. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-8. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Mar. 1986	Mar. 1987	Total		Employed		Unemployed			
			Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Number		Percent of labor force	
							Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,712	7,810	7,151	7,208	6,719	6,802	432	406	6.0	5.6
30 to 44 years	6,410	6,254	6,111	5,971	5,726	5,644	385	327	6.3	5.5
30 to 34 years	1,233	987	1,150	921	1,034	836	116	85	10.1	9.2
35 to 39 years	3,110	2,744	2,988	2,632	2,815	2,486	173	146	5.8	5.5
40 to 44 years	2,067	2,523	1,973	2,418	1,877	2,322	96	96	4.9	4.0
45 years and over	1,302	1,556	1,040	1,237	993	1,158	47	79	4.5	6.4
NONVETERANS										
Total, 30 to 44 years	18,084	19,159	17,090	18,104	16,067	17,082	1,023	1,022	6.0	5.6
30 to 34 years	8,304	8,711	7,913	8,288	7,424	7,823	489	465	6.2	5.6
35 to 39 years	5,605	6,109	5,296	5,774	5,001	5,428	295	346	5.6	6.0
40 to 44 years	4,175	4,339	3,881	4,042	3,642	3,831	239	211	6.2	5.2

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-9. Employed and unemployed full- and part-time workers by sex, age, and race

(In thousands)

Sex, age, and race	March 1987							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	90,270	88,581	1,689	19,959	16,416	3,543	6,485	1,640
16 to 19 years	1,834	1,737	97	4,112	3,792	320	581	759
16 to 17 years	215	209	6	2,159	2,080	79	130	503
18 to 19 years	1,619	1,528	91	1,953	1,712	241	451	257
20 years and over	88,436	86,844	1,592	15,847	12,624	3,223	5,904	880
20 to 24 years	10,182	9,917	265	3,072	2,375	697	1,317	250
25 years and over	78,254	76,927	1,327	12,776	10,250	2,526	4,586	630
25 to 54 years	67,346	66,241	1,105	9,328	7,201	2,127	4,166	479
55 years and over	10,907	10,686	221	3,447	3,048	399	420	151
Men, 16 years and over	54,166	53,119	1,047	6,549	5,093	1,456	4,028	664
16 to 19 years	1,012	953	59	1,952	1,812	140	359	392
20 years and over	53,155	52,167	988	4,597	3,281	1,316	3,669	272
20 to 24 years	5,553	5,383	170	1,325	1,003	322	764	108
25 years and over	47,602	46,785	817	3,272	2,278	994	2,906	164
25 to 54 years	40,526	39,854	672	1,868	1,053	815	2,612	89
55 years and over	7,076	6,931	145	1,404	1,225	179	294	74
Women, 16 years and over	36,103	35,461	642	13,410	11,323	2,087	2,456	975
16 to 19 years	822	784	38	2,160	1,980	180	222	367
20 years and over	35,281	34,677	604	11,250	9,343	1,907	2,235	608
20 to 24 years	4,630	4,535	95	1,747	1,372	375	554	142
25 years and over	30,650	30,142	508	9,502	7,970	1,532	1,682	466
25 to 54 years	26,820	26,387	433	7,460	6,148	1,312	1,555	389
55 years and over	3,830	3,755	75	2,043	1,823	220	127	77
White								
Men, 16 years and over	47,753	46,889	864	5,755	4,572	1,183	3,148	530
16 to 19 years	888	834	54	1,770	1,658	112	279	313
20 years and over	46,865	46,055	810	3,985	2,914	1,071	2,869	217
20 to 24 years	4,884	4,746	138	1,163	908	255	549	75
25 years and over	41,980	41,308	672	2,823	2,006	817	2,320	141
25 to 54 years	35,611	35,059	552	1,554	891	663	2,082	78
55 years and over	6,370	6,250	120	1,269	1,115	154	237	63
Women, 16 years and over	30,599	30,076	523	11,926	10,267	1,659	1,678	750
16 to 19 years	729	693	36	1,957	1,800	157	150	283
20 years and over	29,869	29,382	487	9,969	8,467	1,502	1,528	467
20 to 24 years	4,039	3,959	80	1,509	1,208	301	347	98
25 years and over	25,831	25,424	407	8,460	7,259	1,201	1,181	369
25 to 54 years	22,466	22,123	343	6,657	5,614	1,043	1,077	308
55 years and over	3,364	3,300	64	1,804	1,645	159	103	61
Black								
Men, 16 years and over	4,873	4,717	156	608	381	227	739	116
16 to 19 years	100	96	4	144	116	28	72	70
20 years and over	4,773	4,621	152	463	264	199	667	46
20 to 24 years	541	511	30	121	63	58	193	24
25 years and over	4,232	4,110	122	343	203	140	474	21
25 to 54 years	3,690	3,590	100	225	108	117	428	10
55 years and over	541	520	21	118	95	23	46	11
Women, 16 years and over	4,267	4,188	79	1,181	798	383	697	208
16 to 19 years	74	71	3	164	143	21	69	76
20 years and over	4,193	4,117	76	1,018	656	362	628	132
20 to 24 years	481	469	12	177	108	69	192	43
25 years and over	3,712	3,648	64	841	547	294	437	88
25 to 54 years	3,337	3,282	55	634	395	239	422	74
55 years and over	375	366	9	206	152	54	15	14

¹ Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

A-10. Employment status of persons in families by family relationship

(Numbers in thousands)

Family relationship	March 1987									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over ¹	96,659	65.4	89,952	6,707	6.9	51,136	23,460	8,695	2,249	16,732
Husbands	39,619	78.3	37,838	1,781	4.5	10,959	203	238	909	9,609
With employed wife	24,734	91.7	23,749	985	4.0	2,228	76	157	318	1,677
With unemployed wife	1,087	90.7	919	168	15.5	111	3	4	27	77
With wife not in labor force ..	13,798	61.5	13,170	628	4.5	8,620	124	77	564	7,855
Wives	28,160	55.7	26,962	1,198	4.3	22,418	18,529	414	365	3,109
With employed husband	24,668	65.2	23,749	919	3.7	13,170	11,772	348	126	924
With unemployed husband	1,153	64.8	985	168	14.6	628	564	24	16	24
With husband not in labor force ..	2,339	21.3	2,228	111	4.8	8,620	6,193	42	223	2,161
Relatives in married-couple families ..	13,148	61.0	11,441	1,707	13.0	8,417	730	5,845	366	1,476
16 to 19 years ..	4,851	50.0	4,082	769	15.9	4,846	83	4,472	21	270
20 to 24 years ..	5,014	74.8	4,463	551	11.0	1,691	152	1,215	43	280
25 years and over ..	3,283	63.6	2,896	387	11.8	1,880	495	158	302	926
Women who maintain families ..	6,549	62.5	5,904	645	9.8	3,934	2,796	162	167	808
Relatives in families maintained by women ..	5,332	58.4	4,376	956	17.9	3,796	794	1,683	312	1,007
16 to 19 years ..	1,328	45.8	965	364	27.4	1,574	73	1,344	11	145
20 to 24 years ..	1,608	73.6	1,293	316	19.6	576	134	249	23	170
25 years and over ..	2,394	59.3	2,118	276	11.5	1,646	587	90	278	692
Men who maintain families ..	2,164	78.8	1,980	183	8.5	582	37	38	67	441
Relatives in families maintained by men ..	1,687	62.1	1,450	237	14.1	1,029	371	315	63	279
16 to 19 years ..	254	44.7	198	56	21.9	314	30	250	-	34
20 to 24 years ..	502	83.1	435	66	13.2	102	22	55	3	22
25 years and over ..	932	60.3	817	115	12.3	613	319	10	60	223

¹ Excludes persons living alone or with nonrelatives, persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table for husbands, wives, and women

who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-11. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total, 16 years and over	4,928	4,693	7.6	7.2	3,739	3,432	7.2	6.5
Married, spouse present	2,081	1,943	5.1	4.7	1,551	1,309	5.5	4.5
Widowed, divorced, or separated ..	637	579	9.9	8.9	817	759	7.9	7.4
Single (never married)	2,210	2,170	13.0	12.6	1,371	1,364	10.5	10.1
White, 16 years and over	3,820	3,678	6.8	6.4	2,754	2,427	6.3	5.4
Married, spouse present	1,771	1,654	4.8	4.4	1,308	1,064	5.2	4.1
Widowed, divorced, or separated ..	495	463	9.2	8.5	601	537	7.2	6.5
Single (never married)	1,555	1,561	10.9	10.8	844	827	7.9	7.6
Black, 16 years and over	962	855	15.3	13.5	874	905	14.1	14.2
Married, spouse present	234	222	7.8	7.0	185	198	7.9	8.2
Widowed, divorced, or separated ..	125	98	13.2	10.6	196	199	11.2	11.4
Single (never married)	603	536	26.0	23.9	493	508	23.4	23.3
Total, 25 years and over	3,189	3,070	6.0	5.7	2,404	2,147	5.9	5.1
Married, spouse present	1,885	1,800	4.8	4.5	1,285	1,087	5.0	4.0
Widowed, divorced, or separated ..	601	548	9.7	8.7	721	682	7.4	7.0
Single (never married)	703	721	9.3	9.2	398	377	7.5	6.7
White, 25 years and over	2,555	2,462	5.5	5.2	1,843	1,551	5.3	4.3
Married, spouse present	1,600	1,528	4.6	4.3	1,090	875	4.8	3.7
Widowed, divorced, or separated ..	460	443	9.0	8.5	535	476	6.8	6.1
Single (never married)	495	491	8.0	7.7	218	199	5.3	4.6
Black, 25 years and over	534	495	10.9	9.8	481	525	9.8	10.3
Married, spouse present	214	207	7.4	6.7	149	169	6.9	7.5
Widowed, divorced, or separated ..	124	87	13.2	9.6	168	185	10.0	10.9
Single (never married)	196	202	17.9	18.4	164	169	15.3	15.2

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total, 16 years and over	8,667	8,124	7.5	6.9	7.6	7.2	7.2	6.5
Managerial and professional specialty	645	638	2.4	2.3	2.2	2.3	2.7	2.1
Executive, administrative, and managerial ..	356	349	2.8	2.6	2.4	2.6	3.5	2.7
Professional specialty	290	289	2.0	1.9	2.0	2.1	2.1	1.8
Technical, sales, and administrative support ..	1,733	1,730	4.8	4.8	3.4	4.2	5.6	5.1
Technicians and related support	128	97	3.7	2.9	3.3	3.4	4.3	2.4
Sales occupations	746	764	5.5	5.5	3.3	4.1	7.8	6.9
Administrative support, including clerical ..	859	869	4.6	4.6	3.7	4.7	4.8	4.5
Service occupations ..	1,424	1,290	8.9	8.0	9.1	7.5	8.7	8.3
Private household ..	35	44	3.6	4.4	(¹)	(¹)	3.7	4.7
Protective service ..	96	67	5.1	3.4	4.8	3.4	7.6	3.8
Service, except private household and protective ..	1,293	1,179	9.8	8.9	10.6	9.0	9.3	8.9
Precision production, craft, and repair ..	1,235	1,033	8.6	7.3	8.3	7.4	11.3	6.6
Mechanics and repairers ..	228	200	5.0	4.3	5.0	4.4	4.2	.6
Construction trades ..	674	592	12.7	11.1	12.5	11.0	21.2	17.6
Other precision production, craft, and repair ..	333	242	7.4	5.7	6.4	5.5	11.1	6.6
Operators, fabricators, and laborers ..	2,293	2,179	12.3	11.5	12.2	11.6	12.5	11.2
Machine operators, assemblers, and inspectors ..	921	869	10.7	10.1	9.5	8.8	12.5	11.9
Transportation and material moving occupations ..	530	459	11.0	9.2	11.5	9.7	6.1	4.4
Handlers, equipment cleaners, helpers, and laborers ..	841	851	16.0	15.9	16.0	16.6	15.9	11.8
Construction laborers ..	246	255	28.0	29.5	27.9	29.6	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers ..	595	596	13.6	13.2	13.2	13.7	15.3	11.3
Farming, forestry, and fishing ..	365	339	10.8	9.7	10.3	9.9	13.6	8.9
No previous work experience ..	909	862						
16 to 19 years ..	586	565						
20 to 24 years ..	196	154						
25 years and over ..	127	143						

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

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total, 16 years and over	8,667	8,124	7.5	6.9	7.6	7.2	7.2	6.5
Nonagricultural private wage and salary workers	6,648	6,210	7.6	7.0	7.9	7.5	7.3	6.5
Mining	124	92	12.0	10.6	12.9	12.0	7.2	2.2
Construction	1,031	984	17.2	16.5	17.8	17.2	11.5	9.5
Manufacturing	1,652	1,566	7.6	7.2	6.5	6.3	9.8	9.1
Durable goods	930	875	7.2	6.9	6.6	6.3	8.5	8.3
Lumber and wood products	85	89	13.3	11.9	13.6	12.9	11.9	7.9
Furniture and fixtures	61	36	9.2	5.4	7.7	4.7	12.2	7.4
Stone, clay, and glass products	48	38	8.2	6.5	7.9	6.4	9.4	7.1
Primary metal industries	91	80	10.1	9.2	10.3	8.6	8.8	12.9
Fabricated metal products	99	108	7.6	8.0	7.5	7.2	7.7	10.4
Machinery, except electrical	191	147	7.1	6.2	6.8	6.1	8.0	6.8
Electrical machinery, equipment, and supplies	141	139	6.4	6.0	2.7	5.5	11.8	6.8
Transportation equipment	152	143	5.5	5.3	5.3	4.4	6.3	8.4
Automobiles	102	78	7.6	6.3	6.9	4.6	9.8	12.2
Other transportation equipment	49	65	3.5	4.4	3.7	4.2	3.1	5.1
Professional and photographic equipment	21	43	2.9	6.8	3.4	6.1	2.2	7.9
Other durable goods industries	41	52	8.0	9.9	8.4	6.7	7.4	13.7
Nondurable goods	722	690	8.1	7.8	6.2	6.3	10.9	9.9
Food and kindred products	234	187	12.6	10.2	9.7	8.6	18.6	13.2
Textile mill products	52	54	6.6	7.3	3.6	5.5	10.1	9.4
Apparel and other textile products	157	152	12.2	11.7	13.1	9.2	11.9	12.4
Paper and allied products	32	39	4.2	5.1	2.3	4.7	10.4	6.6
Printing and publishing	79	110	4.6	6.2	3.4	5.8	6.2	6.6
Chemicals and allied products	54	59	4.2	4.8	3.5	4.8	5.8	4.6
Rubber and miscellaneous plastics products	59	52	8.1	6.7	7.6	5.1	9.2	9.6
Other nondurable goods industries	54	36	11.7	8.8	9.5	5.3	16.0	13.9
Transportation and public utilities	371	289	6.0	4.7	6.7	5.0	4.4	4.0
Transportation	286	224	8.2	6.4	9.2	6.7	5.3	5.2
Communications and other public utilities	84	66	3.1	2.5	2.9	2.2	3.6	3.1
Wholesale and retail trade	1,774	1,741	8.0	7.6	7.0	7.1	9.2	8.2
Wholesale trade	232	230	5.5	5.2	5.7	5.1	5.1	5.5
Retail trade	1,542	1,511	8.6	8.2	7.4	7.8	9.7	8.6
Finance, insurance, and real estate	237	217	3.5	3.1	3.2	3.4	3.7	3.0
Service industries	1,460	1,322	6.3	5.5	7.0	6.0	5.9	5.2
Professional services	548	503	4.2	3.7	3.7	3.7	4.4	3.6
Other service industries	912	819	9.1	7.9	9.7	7.8	8.6	8.0
Agricultural wage and salary workers	254	234	15.2	13.5	14.3	13.9	18.8	12.3
Government, self-employed, and unpaid family workers	856	818	3.2	3.0	3.3	3.3	3.2	2.7
No previous work experience	909	862	-	-	-	-	-	-

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
NUMBER OF UNEMPLOYED												
Total unemployed	8,667	8,124	4,178	3,941	3,111	2,843	1,378	1,341	6,574	6,105	1,836	1,760
Job losers	4,654	4,227	3,032	2,800	1,363	1,176	259	252	3,707	3,291	834	814
On layoff	1,361	1,206	913	833	389	315	59	58	1,213	1,035	128	159
Other job losers	3,293	3,021	2,119	1,967	974	861	200	194	2,494	2,256	706	655
Job leavers	923	934	372	401	399	416	152	116	717	775	186	133
Reentrants	2,186	2,107	639	656	1,164	1,040	383	411	1,570	1,474	540	559
New entrants	904	857	135	84	185	211	584	562	580	566	277	253
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
Job losers	53.7	52.0	72.6	71.0	43.8	41.4	18.8	18.7	56.3	53.8	45.4	46.2
On layoff	15.7	14.8	21.9	21.1	12.5	11.1	4.3	4.3	18.4	16.9	7.0	9.0
Other job losers	38.0	37.2	50.7	49.9	31.3	30.3	14.5	14.4	37.9	36.9	38.5	37.2
Job leavers	10.7	11.5	8.9	10.2	12.8	14.6	11.1	8.7	10.9	12.7	10.1	7.6
Reentrants	25.2	25.9	15.3	16.6	37.4	36.6	27.8	30.6	23.9	24.1	29.4	31.8
New entrants	10.4	10.5	3.2	2.1	5.9	7.4	42.4	41.9	8.8	9.3	15.1	14.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	4.0	3.6	5.0	4.6	2.8	2.3	3.5	3.5	3.7	3.2	6.7	6.4
Job leavers .....	.8	.8	.6	.7	.8	.8	2.1	1.6	.7	.8	1.5	1.0
Reentrants	1.9	1.8	1.0	1.1	2.4	2.1	5.2	5.6	1.6	1.4	4.3	4.4
New entrants .....	.8	.7	.2	.1	.4	.4	8.0	7.7	.6	.6	2.2	2.0

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-15. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

Reason, sex, and age	March 1987						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	8,124	100.0	37.8	32.9	29.3	14.7	14.6
Job losers	4,227	100.0	29.8	34.2	36.0	18.8	17.2
On layoff	1,206	100.0	41.7	32.5	25.7	18.5	7.3
Other job losers	3,021	100.0	25.1	34.8	40.0	18.9	21.1
Job leavers	934	100.0	42.1	32.6	25.3	14.4	10.9
Reentrants	2,107	100.0	47.7	31.2	21.1	9.4	11.7
New entrants	857	100.0	47.8	30.9	21.4	7.9	13.4
Men, 20 years and over	3,941	100.0	29.3	33.9	36.8	19.0	17.8
Job losers	2,800	100.0	26.8	34.1	39.1	20.7	18.3
On layoff	833	100.0	38.0	34.4	27.6	20.8	6.9
Other job losers	1,967	100.0	22.1	34.0	43.9	20.7	23.2
Job leavers	401	100.0	36.2	35.2	28.6	13.2	15.4
Reentrants	656	100.0	35.1	32.5	32.3	15.8	16.5
New entrants	84	100.0	33.7	32.3	33.9	11.9	22.1
Women, 20 years and over	2,843	100.0	41.4	31.9	26.6	12.5	14.1
Job losers	1,176	100.0	32.0	34.4	33.6	16.6	17.0
On layoff	315	100.0	45.5	30.2	24.3	14.8	9.6
Other job losers	861	100.0	27.0	36.0	37.0	17.3	19.8
Job leavers	416	100.0	46.2	28.3	25.5	16.6	8.9
Reentrants	1,040	100.0	51.8	30.3	17.9	7.5	10.5
New entrants	211	100.0	33.7	33.7	32.6	7.0	25.5
Both sexes, 16 to 19 years	1,341	100.0	54.9	31.8	13.3	6.9	6.4
Job losers	252	100.0	53.7	33.8	12.5	7.8	4.7
On layoff	58	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	194	100.0	47.4	38.3	14.4	8.3	6.0
Job leavers	116	100.0	47.5	39.0	13.5	10.9	2.5
Reentrants	411	100.0	57.3	31.6	11.1	4.1	7.0
New entrants	562	100.0	55.1	29.6	15.3	7.7	7.6

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

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total, 16 years and over	8,667	8,124	100.0	100.0	7,113	6,485	100.0	100.0
Less than 5 weeks	3,194	3,068	36.8	37.8	2,329	2,112	32.7	32.6
5 to 14 weeks	2,867	2,672	33.1	32.9	2,402	2,190	33.8	33.8
5 to 10 weeks	1,966	1,809	22.7	22.3	1,609	1,445	22.6	22.3
11 to 14 weeks	901	864	10.4	10.6	792	744	11.1	11.5
15 weeks and over	2,606	2,384	30.1	29.3	2,383	2,183	33.5	33.7
15 to 26 weeks	1,352	1,196	15.6	14.7	1,230	1,065	17.3	16.4
27 weeks and over	1,254	1,188	14.5	14.6	1,153	1,118	16.2	17.2
27 to 51 weeks	580	498	6.7	6.1	520	464	7.3	7.2
52 weeks and over	674	690	7.8	8.5	633	654	8.9	10.1
Average (mean) duration, in weeks	15.3	15.6			16.7	17.6		
Median duration, in weeks	8.4	8.2			9.5	9.7		

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-17. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	March 1987							Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total, 16 years and over	8,124	3,068	2,672	1,196	1,188	15.6	8.2	36.8	37.8	30.1	29.3
16 to 19 years	1,341	736	427	92	86	8.9	4.6	52.4	54.9	16.6	13.3
20 to 24 years	1,568	623	566	173	207	13.7	7.7	35.2	39.7	26.2	24.2
25 to 34 years	2,348	807	786	418	338	15.7	9.0	36.2	34.4	30.4	32.2
35 to 44 years	1,475	474	466	247	287	19.8	9.9	33.6	32.2	37.0	36.2
45 to 54 years	822	241	250	160	171	20.0	12.1	31.0	29.3	37.9	40.3
55 to 64 years	475	138	154	93	90	19.6	11.0	24.8	29.0	42.6	38.5
65 years and over	97	50	24	13	9	12.2	4.8	35.8	52.1	29.8	22.7
Men, 16 years and over	4,693	1,548	1,579	808	759	17.2	9.7	32.0	33.0	34.1	33.4
16 to 19 years	752	393	242	60	57	9.9	4.8	49.4	52.3	18.3	15.6
20 to 24 years	872	306	353	104	109	14.2	8.7	31.0	35.1	28.4	24.4
25 to 34 years	1,341	402	453	268	218	17.1	10.3	30.3	30.0	35.6	36.2
35 to 44 years	830	213	278	159	181	22.6	11.8	28.5	25.6	42.5	40.9
45 to 54 years	530	130	152	132	116	21.7	14.1	26.5	24.5	42.7	46.9
55 to 64 years	303	73	87	72	70	22.4	14.1	21.3	24.2	44.5	47.0
65 years and over	65	31	14	13	7	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,432	1,521	1,094	388	429	13.3	6.4	43.3	44.3	24.8	23.8
16 to 19 years	589	343	185	32	29	7.6	4.3	56.0	58.2	14.5	10.4
20 to 24 years	696	317	213	69	97	13.1	6.1	41.2	45.5	23.1	23.9
25 to 34 years	1,007	405	332	150	120	13.8	7.3	43.4	40.2	23.9	26.8
35 to 44 years	645	262	188	88	107	16.2	7.9	40.4	40.6	29.9	30.2
45 to 54 years	291	111	98	28	54	16.9	8.3	37.7	38.1	30.6	28.3
55 to 64 years	172	64	67	21	20	14.7	7.5	30.4	37.4	39.6	23.5
65 years and over	32	20	10	-	2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,105	2,344	2,026	920	815	14.9	7.9	37.7	38.4	29.9	28.4
Men	3,678	1,219	1,245	659	555	16.5	9.6	32.7	33.1	34.1	33.0
Women	2,427	1,124	782	261	261	12.4	5.8	44.6	46.3	24.1	21.5
Black, 16 years and over	1,760	627	573	226	335	17.8	9.0	33.9	35.6	30.0	31.8
Men	855	273	289	117	177	20.1	9.8	30.2	31.9	32.8	34.3
Women	905	354	284	109	158	15.7	8.2	38.0	39.1	26.9	29.5
Men, 16 years and over:											
Married, spouse present	1,943	508	647	436	351	19.0	12.1	28.1	26.2	38.6	40.5
Widowed, divorced, or separated	579	161	174	104	140	22.7	12.0	28.2	27.9	39.2	42.1
Single (never married)	2,170	878	758	267	267	14.2	7.3	36.7	40.5	28.3	24.6
Women, 16 years and over:											
Married, spouse present	1,309	562	429	161	156	13.1	6.7	42.4	43.0	24.7	24.2
Widowed, divorced, or separated	759	305	239	101	113	15.3	7.6	38.5	40.2	30.8	28.2
Single (never married)	1,364	653	425	127	159	12.4	5.5	47.1	47.9	21.3	21.0

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks	Unemployed 15 weeks and over		
	March 1987							Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
OCCUPATION											
Managerial and professional specialty	638	192	219	121	105	17.1	9.9	34.3	30.1	30.3	35.6
Technical, sales, and administrative support ..	1,730	727	575	200	228	13.8	7.0	40.2	42.0	25.5	24.7
Service occupations	1,290	547	432	141	170	14.4	7.3	42.2	42.4	26.6	24.1
Precision production, craft, and repair ..	1,033	333	368	183	149	16.0	9.8	32.0	32.2	32.0	32.1
Operators, fabricators, and laborers ..	2,179	717	696	397	370	17.9	10.0	30.9	32.9	35.6	35.2
Farming, forestry, and fishing ..	339	123	93	81	42	16.0	10.3	27.5	36.4	43.8	36.3
INDUSTRY¹											
Agriculture	234	90	58	61	25	13.8	9.8	21.8	38.5	46.5	36.9
Construction	1,003	309	388	217	88	13.8	10.1	28.4	30.8	34.8	30.5
Manufacturing	1,569	526	484	248	311	19.3	9.7	34.3	33.5	35.9	35.6
Durable goods	879	269	267	136	206	21.8	11.1	29.2	30.7	39.0	39.0
Nondurable goods	690	256	217	111	105	16.1	8.2	41.0	37.1	32.0	31.4
Transportation and public utilities ..	329	107	114	54	54	16.1	8.9	34.2	32.6	27.4	32.8
Wholesale and retail trade	1,750	710	618	206	217	14.2	7.3	36.0	40.6	28.0	24.2
Finance and service industries	1,816	709	590	258	259	15.0	8.3	40.1	39.0	27.2	28.5
Public administration ..	226	73	78	38	38	17.2	9.3	36.1	32.2	29.9	33.5
No previous work experience ..	862	413	266	68	115	13.5	5.4	49.9	47.9	22.1	21.2

¹ Includes wage and salary workers only.

A-19. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	March 1987								
	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	8,124	6,782	24.6	6.8	75.3	35.4	17.3	4.5	1.64
16 to 19 years	1,341	1,274	12.6	3.1	84.3	27.5	13.7	2.3	1.43
20 to 24 years	1,568	1,355	27.8	5.9	76.6	35.2	17.0	4.5	1.67
25 to 34 years	2,348	1,900	25.6	8.4	74.5	37.0	18.2	4.3	1.68
35 to 44 years	1,475	1,212	28.6	9.1	70.9	40.4	19.3	6.0	1.74
45 to 54 years	822	592	31.3	6.3	73.8	37.8	18.1	4.7	1.72
55 to 64 years	475	358	28.2	8.1	61.2	34.4	19.3	8.9	1.60
65 years and over	97	91	11.0	8.8	71.4	35.2	12.1	4.4	1.43
Men, 16 years and over	4,693	3,724	27.7	7.4	76.3	33.1	18.8	5.4	1.69
16 to 19 years	752	700	17.3	4.4	83.3	25.7	15.7	2.0	1.48
20 to 24 years	872	706	26.5	6.2	80.9	34.4	17.8	4.2	1.70
25 to 34 years	1,341	1,030	31.1	7.9	74.9	34.5	18.9	5.1	1.72
35 to 44 years	830	649	32.7	10.2	71.5	38.7	24.7	8.0	1.86
45 to 54 years	530	362	34.5	8.3	76.2	35.1	18.2	6.6	1.79
55 to 64 years	303	216	28.2	7.9	62.5	25.9	17.1	12.5	1.54
65 years and over	65	61	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,432	3,058	20.7	6.1	74.1	38.1	15.4	3.5	1.58
16 to 19 years	589	574	6.8	1.4	85.5	29.6	11.5	2.6	1.37
20 to 24 years	696	649	29.3	5.5	72.0	36.1	16.2	4.6	1.64
25 to 34 years	1,007	871	18.9	9.0	74.1	39.8	17.2	3.3	1.62
35 to 44 years	645	563	24.0	7.8	70.2	42.5	13.1	3.7	1.61
45 to 54 years	291	230	26.1	3.0	70.0	42.2	17.4	1.3	1.60
55 to 64 years	172	142	28.2	8.5	59.2	47.2	21.8	3.5	1.68
65 years and over	32	30	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,105	4,962	24.2	7.0	75.2	37.8	16.9	5.1	1.66
Men	3,678	2,844	27.4	7.4	76.7	34.9	19.0	6.3	1.72
Women	2,427	2,118	20.0	6.5	73.3	41.6	14.1	3.5	1.59
Black, 16 years and over	1,760	1,587	25.1	6.0	77.9	27.7	17.2	2.5	1.56
Men	855	739	29.0	6.5	77.9	25.4	16.6	1.9	1.57
Women	905	848	21.7	5.5	77.8	29.7	17.6	2.9	1.55

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

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

A-20. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	March 1987								
	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	8,124	6,782	24.6	6.8	75.3	35.4	17.3	4.5	1.64
Job losers ¹	4,227	3,001	30.3	8.0	76.0	37.2	20.8	4.6	1.77
Job leavers	934	935	24.8	7.9	75.4	44.7	14.3	3.3	1.70
Reentrants	2,107	1,997	20.5	6.7	71.6	33.2	14.6	6.1	1.53
New entrants	857	849	13.7	1.6	81.4	23.6	14.4	2.0	1.37
Men, 16 years and over	4,693	3,724	27.7	7.4	76.3	33.1	18.8	5.4	1.69
Job losers ¹	2,979	2,072	31.0	8.1	76.8	33.9	20.4	5.4	1.76
Job leavers	474	469	26.2	7.0	73.3	39.2	15.8	5.5	1.67
Reentrants	864	812	26.4	8.1	72.2	33.5	18.7	6.8	1.66
New entrants	376	372	14.2	2.7	85.8	20.4	14.0	2.2	1.39
Women, 16 years and over	3,432	3,058	20.7	6.1	74.1	38.1	15.4	3.5	1.58
Job losers ¹	1,249	929	28.5	8.0	74.2	44.6	21.6	2.9	1.80
Job leavers	460	466	23.4	8.6	77.5	50.4	13.1	1.3	1.74
Reentrants	1,242	1,185	16.5	5.7	71.2	33.0	11.9	5.6	1.44
New entrants	481	477	13.2	.8	78.0	26.0	14.7	1.9	1.35

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-21. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

Industry and age	Total		Men		Women	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
All industries	107,643	110,229	59,686	60,716	47,957	49,513
16 to 19 years	5,964	5,946	2,956	2,964	3,008	2,982
16 to 17 years	2,331	2,375	1,174	1,177	1,157	1,197
18 to 19 years	3,634	3,572	1,782	1,787	1,852	1,785
20 to 24 years	13,529	13,254	7,091	6,878	6,439	6,376
25 to 54 years	73,985	76,675	41,292	42,394	32,693	34,281
25 to 34 years	31,794	32,677	17,866	18,168	13,929	14,509
35 to 44 years	25,380	26,725	13,976	14,597	11,404	12,128
45 to 54 years	16,811	17,274	9,451	9,629	7,360	7,644
55 to 64 years	11,272	11,371	6,573	6,685	4,699	4,686
55 to 59 years	6,839	6,856	3,968	4,007	2,871	2,849
60 to 64 years	4,433	4,515	2,605	2,678	1,828	1,837
65 years and over	2,892	2,983	1,774	1,796	1,117	1,188
Agriculture	2,899	2,932	2,341	2,363	558	569
16 to 19 years	194	202	164	163	29	39
16 to 17 years	85	84	69	71	16	13
18 to 19 years	109	118	95	92	13	26
20 to 24 years	334	395	280	357	54	38
25 to 54 years	1,678	1,639	1,298	1,258	380	381
25 to 34 years	698	715	569	576	129	139
35 to 44 years	521	502	400	377	121	125
45 to 54 years	459	421	329	305	129	117
55 to 64 years	413	430	349	349	63	81
55 to 59 years	226	213	184	166	42	47
60 to 64 years	186	217	166	183	21	34
65 years and over	281	267	249	236	32	31
Nonagricultural industries	104,744	107,297	57,345	58,353	47,399	48,944
16 to 19 years	5,771	5,745	2,791	2,801	2,979	2,943
16 to 17 years	2,246	2,291	1,105	1,107	1,141	1,184
18 to 19 years	3,525	3,454	1,687	1,695	1,838	1,759
20 to 24 years	13,195	12,859	6,811	6,520	6,385	6,338
25 to 54 years	72,308	75,036	39,994	41,136	32,314	33,900
25 to 34 years	31,097	31,961	17,297	17,591	13,799	14,370
35 to 44 years	24,859	26,223	13,575	14,220	11,284	12,003
45 to 54 years	16,352	16,852	9,121	9,325	7,231	7,528
55 to 64 years	10,860	10,941	6,224	6,336	4,636	4,605
55 to 59 years	6,612	6,643	3,784	3,841	2,828	2,802
60 to 64 years	4,247	4,298	2,440	2,495	1,807	1,803
65 years and over	2,610	2,716	1,525	1,559	1,085	1,157

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-22. Employed civilians by occupation, sex, and age

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total	107,643	110,229	59,686	60,716	56,730	57,752	47,957	49,513	44,948	46,531
Managerial and professional specialty	26,401	27,674	14,916	15,408	14,835	15,338	11,484	12,267	11,365	12,172
Executive, administrative, and managerial	12,475	13,002	7,988	8,136	7,954	8,100	4,487	4,865	4,448	4,827
Officials and administrators, public administration	511	525	322	309	321	309	190	216	190	215
Other executive, administrative, and managerial	8,523	8,924	5,805	5,939	5,780	5,901	2,718	2,986	2,694	2,957
Management-related occupations	3,440	3,553	1,861	1,889	1,853	1,890	1,579	1,664	1,565	1,656
Professional specialty	13,926	14,673	6,929	7,272	6,881	7,239	6,997	7,401	6,917	7,345
Engineers	1,631	1,694	1,531	1,569	1,531	1,568	100	125	100	125
Mathematical and computer scientists	639	742	394	484	395	483	244	259	243	257
Natural scientists	352	400	271	305	268	305	81	96	78	96
Health diagnosing occupations	712	789	595	666	595	664	117	123	116	123
Health assessment and treating occupations	1,999	2,138	338	289	336	289	1,662	1,849	1,660	1,848
Teachers, college and university	741	729	468	479	466	478	273	250	267	245
Teachers, except college and university	3,792	3,851	1,015	996	1,008	993	2,778	2,855	2,754	2,828
Lawyers and judges	643	682	515	558	514	558	128	124	128	124
Other professional specialty occupations	3,417	3,647	1,801	1,926	1,767	1,901	1,616	1,721	1,571	1,698
Technical, sales, and administrative support	34,032	34,594	12,069	12,178	11,537	11,641	21,963	22,416	20,276	20,784
Technicians and related support	3,287	3,254	1,794	1,627	1,766	1,599	1,494	1,626	1,473	1,613
Health technologists and technicians	1,092	1,103	173	166	171	166	919	937	905	935
Engineering and science technicians	1,122	1,039	916	823	903	808	206	217	203	213
Technicians, except health, engineering, and science	1,074	1,111	705	638	692	624	369	473	365	464
Sales occupations	12,859	13,207	6,699	6,916	6,380	6,590	6,160	6,291	5,234	5,349
Supervisors and proprietors	3,447	3,531	2,422	2,450	2,395	2,436	1,026	1,082	1,007	1,048
Sales representatives, finance and business services	2,261	2,245	1,322	1,361	1,305	1,353	939	883	908	857
Sales representatives, commodities, except retail	1,457	1,510	1,204	1,261	1,198	1,256	253	249	251	249
Sales workers, retail and personal services	5,643	5,876	1,730	1,834	1,462	1,534	3,912	4,043	3,039	3,161
Sales-related occupations	51	44	21	10	19	10	30	34	29	34
Administrative support, including clerical	17,886	18,134	3,576	3,634	3,391	3,452	14,310	14,499	13,570	13,822
Supervisors	698	697	295	290	293	290	402	407	401	404
Computer equipment operators	893	860	284	300	275	280	609	560	564	521
Secretaries, stenographers, and typists	4,936	4,990	66	77	58	68	4,870	4,914	4,640	4,670
Financial records processing	2,509	2,479	244	206	239	203	2,265	2,273	2,217	2,232
Mail and message distributing	888	946	585	632	556	601	304	314	290	301
Other administrative support, including clerical	7,962	8,161	2,101	2,131	1,971	2,010	5,860	6,031	5,458	5,695
Service occupations	14,663	14,882	5,899	5,981	5,037	5,064	8,764	8,901	7,782	7,868
Private household	938	939	37	34	27	17	902	905	738	709
Protective service	1,781	1,897	1,571	1,630	1,540	1,598	209	267	202	250
Service, except private household and protective	11,943	12,046	4,291	4,316	3,470	3,449	7,653	7,729	6,841	6,910
Food service	5,063	5,129	1,902	1,953	1,317	1,338	3,161	3,176	2,581	2,581
Health service	1,834	1,858	199	210	184	191	1,635	1,648	1,555	1,575
Cleaning and building service	2,968	2,885	1,798	1,719	1,605	1,535	1,170	1,166	1,119	1,097
Personal service	2,079	2,174	393	435	364	386	1,686	1,740	1,586	1,656
Precision production, craft, and repair	13,137	13,145	12,018	12,036	11,748	11,785	1,120	1,109	1,091	1,088
Mechanics and repairers	4,330	4,429	4,174	4,271	4,089	4,200	156	158	150	153
Construction trades	4,643	4,746	4,538	4,679	4,402	4,545	105	68	102	64
Other precision production, craft, and repair	4,164	3,970	3,306	3,086	3,256	3,040	858	884	839	872
Operators, fabricators, and laborers	16,402	16,785	12,233	12,447	11,229	11,456	4,169	4,338	4,005	4,169
Machine operators, assemblers, and inspectors	7,693	7,732	4,672	4,578	4,502	4,425	3,021	3,154	2,947	3,081
Manufacturing industries	6,463	6,395	3,863	3,725	3,752	3,622	2,600	2,670	2,545	2,618
Durable goods	3,553	3,534	2,453	2,408	2,378	2,354	1,100	1,126	1,081	1,107
Nondurable goods	2,910	2,861	1,410	1,316	1,374	1,268	1,500	1,544	1,463	1,511
Nonmanufacturing industries	1,230	1,337	809	853	750	803	422	484	402	463
Transportation and material moving occupations	4,296	4,534	3,882	4,109	3,780	3,974	414	425	407	412
Motor vehicle operators	3,219	3,438	2,844	3,058	2,758	2,929	375	380	369	367
Other transportation and material moving occupations	1,077	1,096	1,038	1,051	1,021	1,045	39	45	39	45
Handlers, equipment cleaners, helpers, and laborers	4,412	4,519	3,678	3,761	2,948	3,057	734	758	651	676
Construction laborers	633	610	613	589	548	529	20	21	20	20
Other handlers, equipment cleaners, helpers, and laborers	3,779	3,909	3,065	3,172	2,400	2,528	714	737	632	656
Farming, forestry, and fishing	3,008	3,149	2,551	2,667	2,344	2,468	457	482	429	449
Farm operators and managers	1,293	1,281	1,140	1,117	1,128	1,110	153	164	153	161
Other farming, forestry, and fishing occupations	1,715	1,867	1,412	1,549	1,216	1,359	304	318	276	288

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-23. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
TOTAL						
Total, 16 years and over (thousands) ..	107,643	110,229	59,686	60,716	47,957	49,513
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.5	25.1	25.0	25.4	23.9	24.8
Executive, administrative, and managerial ..	11.6	11.8	13.4	13.4	9.4	9.8
Professional specialty	12.9	13.3	11.6	12.0	14.6	14.9
Technical, sales, and administrative support ..	31.6	31.4	20.2	20.1	45.8	45.3
Technicians and related support	3.1	3.0	3.0	2.7	3.1	3.3
Sales occupations	11.9	12.0	11.2	11.4	12.8	12.7
Administrative support, including clerical ..	16.6	16.5	6.0	6.0	29.8	29.3
Service occupations	13.6	13.5	9.9	9.9	18.3	18.0
Private household .....	.9	.9	.1	.1	1.9	1.8
Protective service	1.7	1.7	2.6	2.7	.4	.5
Service, except private household and protective ..	11.1	10.9	7.2	7.1	16.0	15.6
Precision production, craft, and repair	12.2	11.9	20.1	19.8	2.3	2.2
Operators, fabricators, and laborers	15.2	15.2	20.5	20.5	8.7	8.8
Machine operators, assemblers, and inspectors ..	7.1	7.0	7.8	7.5	6.3	6.4
Transportation and material moving occupations	4.0	4.1	6.5	6.8	.9	.9
Handlers, equipment cleaners, helpers, and laborers ..	4.1	4.1	6.2	6.2	1.5	1.5
Farming, forestry, and fishing	2.8	2.9	4.3	4.4	1.0	1.0
White						
Total, 16 years and over (thousands) ..	93,984	96,032	52,751	53,508	41,233	42,525
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	25.5	26.1	26.1	26.4	24.9	25.8
Executive, administrative, and managerial ..	12.2	12.5	14.2	14.1	9.8	10.4
Professional specialty	13.3	13.7	11.9	12.4	15.1	15.3
Technical, sales, and administrative support ..	32.1	31.8	20.5	20.2	47.0	46.2
Technicians and related support	3.0	3.0	3.0	2.7	3.1	3.3
Sales occupations	12.6	12.5	11.9	12.0	13.4	13.2
Administrative support, including clerical ..	16.5	16.3	5.6	5.5	30.5	29.8
Service occupations	12.4	12.4	8.9	8.9	16.8	16.7
Private household .....	.7	.7	.1	.1	1.5	1.6
Protective service	1.6	1.6	2.5	2.5	.4	.5
Service, except private household and protective ..	10.1	10.0	6.3	6.3	14.9	14.7
Precision production, craft, and repair	12.6	12.4	20.7	20.5	2.2	2.2
Operators, fabricators, and laborers	14.5	14.4	19.5	19.4	8.1	8.0
Machine operators, assemblers, and inspectors ..	6.7	6.5	7.5	7.1	5.7	5.7
Transportation and material moving occupations ..	3.9	4.0	6.2	6.5	.9	.8
Handlers, equipment cleaners, helpers, and laborers ..	3.9	3.9	5.7	5.8	1.5	1.5
Farming, forestry, and fishing	2.9	3.0	4.4	4.6	1.1	1.1
Black						
Total, 16 years and over (thousands) ..	10,643	10,927	5,323	5,480	5,320	5,447
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	15.2	15.0	13.3	13.4	17.1	16.6
Executive, administrative, and managerial ..	6.1	6.2	6.4	7.1	5.9	5.3
Professional specialty	9.1	8.8	7.0	6.3	11.2	11.3
Technical, sales, and administrative support ..	27.8	28.5	17.1	17.3	38.4	39.7
Technicians and related support	2.8	2.2	2.1	1.8	3.6	2.6
Sales occupations	7.0	7.6	5.3	5.7	8.6	9.6
Administrative support, including clerical ..	18.0	18.6	9.7	9.8	26.2	27.4
Service occupations	23.5	22.5	18.1	17.8	28.8	27.3
Private household	2.3	2.0	.1	.1	4.5	3.9
Protective service	2.5	2.8	4.0	4.5	.9	1.2
Service, except private household and protective ..	18.7	17.7	14.0	13.2	23.4	22.3
Precision production, craft, and repair	9.4	9.0	15.9	15.6	2.9	2.3
Operators, fabricators, and laborers	22.3	23.3	32.0	32.7	12.6	13.8
Machine operators, assemblers, and inspectors ..	10.3	10.8	11.1	11.2	9.6	10.4
Transportation and material moving occupations ..	5.5	6.1	9.9	10.8	1.1	1.5
Handlers, equipment cleaners, helpers, and laborers ..	6.5	6.4	11.0	10.7	1.9	1.9
Farming, forestry, and fishing	1.8	1.8	3.5	3.2	.1	.3

A-24. Employed civilians by age, sex, and class of worker

(In thousands)

Age and sex	March 1987								
	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	99,092	1,134	16,883	81,075	7,921	284	1,494	1,303	135
16 to 19 years	5,685	231	312	5,142	47	13	161	8	32
16 to 17 years	2,256	172	99	1,984	27	8	63	4	16
18 to 19 years	3,429	59	212	3,158	20	5	98	4	16
20 to 24 years	12,527	121	1,239	11,168	317	15	331	52	12
25 to 34 years	29,921	185	4,405	25,332	1,987	53	435	256	24
35 to 44 years	23,870	159	5,111	18,600	2,273	80	231	254	18
45 to 54 years	15,160	144	3,380	11,636	1,623	69	164	247	10
55 to 64 years	9,744	170	2,046	7,528	1,165	32	114	285	30
55 to 59 years	5,959	101	1,276	4,581	667	17	69	124	20
60 to 64 years	3,785	68	770	2,946	497	16	45	161	10
65 years and over	2,184	124	391	1,670	509	22	57	201	10
Men, 16 years and over	53,024	132	8,031	44,861	5,291	38	1,189	1,116	58
16 to 19 years	2,770	30	148	2,591	25	6	127	7	28
16 to 17 years	1,086	30	52	1,004	17	3	52	4	15
18 to 19 years	1,683	-	96	1,587	8	3	75	3	14
20 to 24 years	6,315	21	580	5,714	195	11	300	48	9
25 to 34 years	16,274	26	2,079	14,169	1,311	7	337	228	11
35 to 44 years	12,790	21	2,420	10,349	1,428	2	165	212	-
45 to 54 years	8,193	10	1,595	6,588	1,129	3	115	189	-
55 to 64 years	5,502	16	1,007	4,479	833	-	94	249	6
55 to 59 years	3,359	6	649	2,704	482	-	55	111	-
60 to 64 years	2,143	10	358	1,775	351	1	39	139	6
65 years and over	1,180	8	202	971	369	9	51	182	4
Women, 16 years and over	46,068	1,001	8,853	36,214	2,630	247	305	187	77
16 to 19 years	2,915	201	163	2,551	22	6	34	1	4
16 to 17 years	1,169	142	47	980	10	5	12	-	1
18 to 19 years	1,746	59	116	1,571	11	2	23	1	2
20 to 24 years	6,212	99	659	5,454	123	4	32	4	3
25 to 34 years	13,647	159	2,326	11,163	676	47	98	28	13
35 to 44 years	11,081	138	2,691	8,252	844	78	66	42	17
45 to 54 years	6,967	134	1,785	5,048	494	67	49	58	10
55 to 64 years	4,242	153	1,040	3,049	332	32	20	36	25
55 to 59 years	2,600	95	627	1,878	185	17	14	14	20
60 to 64 years	1,642	58	413	1,171	146	15	6	22	5
65 years and over	1,004	117	189	698	140	13	6	19	6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	March 1987												
	Total em- ployed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision produc- tion, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, adminis- trative, and mana- gerial	Profes- sional specialty	Techni- cians and related support	Sales	Adminis- trative support, including clerical	Private house- hold	Other service¹		Machine oper- ators, assem- blers, and inspec- tors	Transpor- tation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	2,932	54	62	39	17	80		16	39	3	27	14	2,580
Mining	809	124	75	24	9	96		1	276	23	148	29	3
Construction	6,817	879	121	60	78	419		20	4,007	104	431	686	13
Manufacturing	20,520	2,306	1,681	650	727	2,495		362	3,900	6,395	759	1,183	63
Durable goods	12,197	1,407	1,138	463	295	1,413		204	2,735	3,534	403	547	59
Nondurable goods	8,323	899	543	187	432	1,082		159	1,164	2,861	356	635	4
Transportation and public utilities	7,671	824	428	245	293	2,024		262	1,261	110	1,712	503	9
Wholesale and retail trade	23,027	1,866	404	83	9,457	2,511		4,228	1,528	325	933	1,655	37
Wholesale trade	4,479	460	77	24	1,722	855		46	335	164	457	318	21
Retail trade	18,548	1,405	326	59	7,735	1,657		4,181	1,194	161	476	1,337	16
Finance, insurance, and real estate	7,480	1,802	203	150	1,786	2,999	-	292	124	26	14	33	52
Services	35,833	4,072	10,979	1,814	815	6,125	939	7,426	1,780	718	481	350	336
Private households	1,138	13	9	3	-	14	939	78	11	2	10	10	49
Other service industries	34,695	4,060	10,970	1,811	815	6,111	-	7,348	1,769	716	470	339	287
Professional services	23,485	2,212	9,882	1,463	124	4,406		4,328	402	185	307	103	73
Public administration	5,139	1,074	721	189	25	1,385		1,336	231	27	29	66	56

¹ Includes protective service, not shown separately.

A-26. Employed civilians with a job but not at work by reason, sex, and pay status

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Mar. 1986	Mar. 1987	Total		Wage and salary workers ¹			
			Mar. 1986	Mar. 1987	Paid absences		Unpaid absences	
					Mar. 1986	Mar. 1987	Mar. 1986	Mar. 1987
Total, 16 years and over	4,272	4,413	4,089	4,279	1,840	1,960	1,719	1,808
Vacation	1,670	1,871	1,630	1,827	1,047	1,182	422	476
Illness	1,430	1,357	1,388	1,339	552	529	725	689
Bad weather	216	123	170	90	(²)	(²)	(²)	(²)
Industrial dispute	26	19	26	19	(²)	(²)	(²)	(²)
All other reasons	931	1,043	874	1,003	242	248	573	644
Men, 16 years and over	2,313	2,208	2,152	2,107	1,014	982	791	817
Vacation	894	959	864	921	591	625	177	198
Illness	761	696	727	684	313	287	342	332
All other reasons ³	658	553	561	502	110	70	272	287
Women, 16 years and over	1,959	2,206	1,937	2,172	827	978	927	990
Vacation	776	912	766	906	457	557	245	278
Illness	668	661	662	655	239	242	382	357
All other reasons ³	515	632	510	611	132	179	300	356

¹ Excludes private household workers.

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

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

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

A-27. Persons at work by hours of work and type of industry

Hours of work	March 1987					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	105,816	2,798	103,018	100.0	100.0	100.0
1 to 34 hours	24,966	928	24,037	23.6	33.2	23.3
1 to 4 hours	808	43	765	.8	1.5	.7
5 to 14 hours	4,803	214	4,588	4.5	7.7	4.5
15 to 29 hours	12,540	401	12,139	11.9	14.3	11.8
30 to 34 hours	6,815	270	6,545	6.4	9.7	6.4
35 hours and over	80,850	1,868	78,981	76.4	66.8	76.7
35 to 39 hours	7,404	121	7,282	7.0	4.3	7.1
40 hours	42,483	558	41,925	40.1	20.0	40.7
41 hours and over	30,963	1,189	29,774	29.3	42.5	28.9
41 to 48 hours	11,573	250	11,323	10.9	8.9	11.0
49 to 59 hours	11,369	366	11,003	10.7	13.1	10.7
60 hours and over	8,021	573	7,448	7.6	20.5	7.2
Average hours, total at work	39.1	41.8	39.0			
Average hours, workers on full-time schedules	43.7	49.5	43.6			

A-28. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status

(Numbers in thousands)

Reason for working less than 35 hours	March 1987					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	24,966	6,277	18,689	24,037	5,959	18,077
Economic reasons	5,232	1,689	3,543	4,999	1,603	3,396
Slack work	2,440	1,400	1,040	2,280	1,318	962
Material shortages or repairs to plant and equipment ..	70	70	-	69	69	-
New job started during week	155	155	-	152	152	-
Job terminated during week	63	63	-	63	63	-
Could find only part-time work	2,504	-	2,504	2,434	-	2,434
Other reasons	19,735	4,590	15,145	19,038	4,357	14,681
Does not want, or unavailable for, full-time work ..	12,917	-	12,917	12,586	-	12,586
Vacation ..	1,009	1,009	-	999	999	-
Illness	1,600	1,451	149	1,551	1,425	126
Bad weather	416	416	-	300	300	-
Industrial dispute	6	6	-	3	3	-
Legal or religious holiday ..	36	36	-	36	36	-
Full time for this job	1,535	-	1,535	1,498	-	1,498
All other reasons ..	2,216	1,672	544	2,064	1,593	471
Average hours:						
Economic reasons ..	22.4	24.5	21.4	22.5	24.7	21.4
Other reasons ..	20.5	26.0	18.8	20.5	26.0	18.8
Worked 30 to 34 hours:						
Economic reasons ..	1,771	811	960	1,689	784	905
Other reasons ..	5,044	2,367	2,677	4,856	2,258	2,598

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-29. Persons at work in nonagricultural industries by class of worker and full- or part-time status

(Numbers in thousands)

Industry	March 1987								
	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, 16 years and over	103,018	4,999	14,681	83,338	53,564	11,323	18,451	39.0	43.6
Wage and salary workers	95,273	4,377	13,325	77,571	50,906	10,770	15,895	38.9	43.2
Mining	727	38	9	680	379	113	188	44.2	45.5
Construction	5,258	413	281	4,564	3,188	562	814	39.5	42.4
Manufacturing	19,448	526	611	18,311	11,652	3,166	3,493	42.0	43.3
Durable goods	11,589	194	270	11,125	7,036	1,842	2,247	42.6	43.5
Nondurable goods	7,859	331	341	7,187	4,617	1,323	1,247	41.1	42.9
Transportation and public utilities	7,042	221	374	6,447	4,213	912	1,322	41.7	43.6
Wholesale and retail trade	20,447	1,484	4,856	14,107	8,534	2,236	3,337	36.5	43.8
Finance, insurance, and real estate	6,686	101	687	5,898	4,079	677	1,142	39.8	42.4
Service industries	30,712	1,518	6,243	22,951	15,445	2,653	4,853	37.0	43.1
Private households	1,090	201	526	363	245	29	89	24.4	45.8
All other industries	29,622	1,317	5,717	22,588	15,200	2,624	4,764	37.5	43.1
Public administration	4,952	78	265	4,609	3,410	452	747	40.9	42.5
Self-employed workers	7,461	603	1,252	5,606	2,568	534	2,504	40.8	48.3
Unpaid family workers	284	19	104	161	90	18	53	35.1	45.4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-30. Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status

(Numbers in thousands)

Sex, age, race, and marital status	March 1987							
	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								
Total, 16 years and over	103,018	4,999	14,681	83,338	53,564	29,774	39.0	43.6
16 to 19 years	5,558	402	3,527	1,629	1,285	344	23.5	40.2
16 to 17 years	2,206	81	1,931	194	156	38	16.8	39.4
18 to 19 years	3,353	320	1,596	1,437	1,131	306	27.9	40.3
20 years and over	97,460	4,597	11,154	81,709	52,279	29,430	39.9	43.6
20 to 24 years	12,429	914	2,156	9,359	6,553	2,806	36.7	42.1
25 years and over	85,031	3,683	8,997	72,351	45,727	26,624	40.4	43.8
25 to 44 years	55,979	2,461	5,025	48,493	30,057	18,436	40.9	43.9
45 to 64 years	26,519	1,096	2,786	22,637	14,779	7,858	40.3	43.6
65 years and over	2,534	125	1,186	1,223	896	327	29.0	41.5
Men, 16 years and over								
16 to 19 years	56,246	2,300	4,411	49,535	28,356	21,179	42.0	45.0
16 to 17 years	2,716	185	1,659	872	676	196	24.6	41.0
16 to 17 years	1,063	43	901	119	95	24	17.9	40.6
18 to 19 years	1,653	142	758	753	581	172	28.9	41.1
20 years and over	53,530	2,115	2,752	48,663	27,680	20,983	42.9	45.1
20 to 24 years	6,327	447	906	4,974	3,170	1,804	38.4	43.3
25 years and over	47,202	1,669	1,845	43,688	24,508	19,180	43.5	45.3
25 to 44 years	30,807	1,113	680	29,014	15,850	13,164	44.2	45.6
45 to 64 years	14,942	494	548	13,900	8,127	5,773	43.3	45.0
65 years and over	1,454	62	618	774	531	243	31.0	42.3
Women, 16 years and over								
16 to 19 years	46,772	2,697	10,270	33,805	25,210	8,595	35.4	41.4
16 to 19 years	2,842	217	1,868	757	610	147	22.4	39.2
16 to 17 years	1,143	39	1,030	74	60	14	15.9	(1)
18 to 19 years	1,700	179	838	683	549	134	26.8	39.4
20 years and over	43,930	2,481	8,403	33,046	24,599	8,447	36.3	41.5
20 to 24 years	6,101	467	1,251	4,383	3,382	1,001	35.0	40.8
25 years and over	37,829	2,013	7,152	28,664	21,217	7,447	36.4	41.6
25 to 44 years	25,172	1,351	4,345	19,476	14,202	5,274	36.9	41.6
45 to 64 years	11,577	601	2,239	8,737	6,650	2,087	36.4	41.6
65 years and over	1,079	63	568	448	363	85	26.4	40.2
RACE								
White, 16 years and over	89,563	4,024	13,280	72,259	45,154	27,105	39.1	43.8
Men	49,427	1,870	3,942	43,615	24,212	19,403	42.3	45.3
Women	40,137	2,154	9,338	28,645	20,943	7,702	35.3	41.5
Black, 16 years and over								
Men	10,357	821	1,037	8,499	6,624	1,875	37.9	41.5
Women	5,186	361	337	4,488	3,261	1,227	39.5	42.4
	5,171	460	700	4,011	3,364	647	36.3	40.5
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	36,846	1,094	1,271	34,481	19,002	15,479	43.9	45.5
Widowed, divorced, or separated	5,514	299	272	4,943	2,815	2,128	42.4	45.0
Single (never married)	13,885	908	2,868	10,109	6,536	3,573	36.8	43.5
Women, 16 years and over:								
Married, spouse present	26,124	1,316	5,974	18,904	14,367	4,537	35.4	41.1
Widowed, divorced, or separated	8,989	645	1,177	7,167	5,124	2,043	37.7	42.1
Single (never married)	11,590	738	3,119	7,733	5,719	2,014	33.7	41.4

Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-31. Persons at work in nonfarm occupations by sex and full- or part-time status

(Numbers in thousands)

Occupation and sex	March 1987								Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over ¹	102,829	4,972	14,667	83,190	53,381	11,326	18,483	39.0	43.6
Managerial and professional specialty	26,541	487	2,502	23,553	12,771	3,136	7,646	42.6	45.5
Executive, administrative, and managerial	12,549	190	644	11,716	5,903	1,572	4,241	44.7	46.4
Professional specialty	13,992	297	1,858	11,837	6,868	1,564	3,405	40.7	44.7
Technical, sales, and administrative support	33,323	1,303	6,000	26,021	17,847	3,336	4,838	37.7	42.7
Technicians and related support	3,133	58	405	2,670	1,856	373	441	39.7	42.8
Sales occupations	12,721	736	2,614	9,370	4,902	1,294	3,174	38.9	45.7
Administrative support, including clerical	17,469	509	2,980	13,980	11,088	1,669	1,223	36.4	40.6
Service occupations	14,319	1,420	4,211	8,688	6,411	888	1,389	33.2	42.5
Private household	897	152	460	285	191	22	72	23.9	45.8
Protective service	1,809	64	159	1,586	1,019	238	329	41.3	44.5
Service, except private household and protective	11,613	1,204	3,592	6,817	5,201	628	988	32.7	41.9
Precision production, craft, and repair	12,608	650	466	11,492	7,362	1,908	2,223	41.3	43.2
Operators, fabricators, and laborers	16,038	1,112	1,489	13,437	8,991	2,059	2,387	39.3	43.0
Machine operators, assemblers, and inspectors	7,423	379	331	6,713	4,703	1,084	925	40.4	42.3
Transportation and material moving occupations	4,285	250	386	3,650	2,016	508	1,127	41.8	45.6
Handlers, equipment cleaners, helpers, and laborers	4,330	483	772	3,075	2,272	467	335	35.1	41.4
Men, 16 years and over ¹	55,975	2,269	4,353	49,353	28,163	7,262	13,928	42.1	45.1
Managerial and professional specialty	14,889	237	671	13,981	6,641	1,782	5,558	45.6	47.3
Executive, administrative, and managerial	7,866	117	238	7,511	3,275	970	3,265	46.8	48.0
Professional specialty	7,023	120	432	6,470	3,365	812	2,293	44.2	46.4
Technical, sales, and administrative support	11,814	271	1,085	10,459	5,548	1,575	3,336	42.6	45.7
Technicians and related support	1,575	22	118	1,434	897	213	324	42.1	44.3
Sales occupations	6,709	175	594	5,939	2,545	857	2,538	44.5	47.7
Administrative support, including clerical	3,530	73	372	3,085	2,106	506	474	39.4	42.4
Service occupations	5,794	387	1,210	4,197	2,905	493	799	36.8	43.6
Private household	35	10	15	10	4	1	5	(²)	(²)
Protective service	1,560	47	102	1,411	895	201	315	42.5	44.9
Service, except private household and protective	4,200	330	1,093	2,777	2,006	291	480	34.7	43.0
Precision production, craft, and repair	11,542	596	380	10,566	6,651	1,778	2,137	41.6	43.4
Operators, fabricators, and laborers	11,935	778	1,008	10,150	6,418	1,634	2,098	40.1	43.7
Machine operators, assemblers, and inspectors	4,436	173	155	4,107	2,656	737	715	41.7	43.3
Transportation and material moving occupations	3,890	206	232	3,452	1,885	485	1,082	42.8	45.7
Handlers, equipment cleaners, helpers, and laborers	3,610	399	620	2,591	1,878	412	301	35.3	41.6
Women, 16 years and over ¹	46,854	2,703	10,314	33,837	25,218	4,064	4,555	35.4	41.4
Managerial and professional specialty	11,653	250	1,831	9,572	6,130	1,354	2,087	38.8	43.0
Executive, administrative, and managerial	4,684	73	406	4,205	2,627	602	975	41.2	43.5
Professional specialty	6,969	177	1,425	5,367	3,503	752	1,112	37.2	42.6
Technical, sales, and administrative support	21,509	1,032	4,915	15,562	12,299	1,760	1,503	35.0	40.6
Technicians and related support	1,558	36	287	1,236	959	160	117	37.3	41.1
Sales occupations	6,012	561	2,020	3,431	2,358	437	636	32.8	42.1
Administrative support, including clerical	13,939	436	2,608	10,895	8,983	1,163	749	35.7	40.1
Service occupations	8,525	1,033	3,001	4,490	3,506	394	590	30.8	41.4
Private household	863	142	445	276	187	21	68	23.8	45.3
Protective service	249	17	57	175	124	37	14	34.3	41.7
Service, except private household and protective	7,413	874	2,499	4,040	3,195	337	508	31.5	41.1
Precision production, craft, and repair	1,066	54	86	926	710	130	86	38.3	41.0
Operators, fabricators, and laborers	4,103	335	481	3,287	2,573	425	289	37.0	40.8
Machine operators, assemblers, and inspectors	2,987	206	176	2,605	2,047	347	211	38.5	40.7
Transportation and material moving occupations	395	44	154	198	131	22	44	31.7	43.2
Handlers, equipment cleaners, helpers, and laborers	720	85	152	484	394	55	35	33.7	40.3

¹ Excludes farming, forestry, and fishing occupations.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-32. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Noninstitutional population ¹	181,678	181,843	181,998	182,183	182,354	182,525	182,713	182,935	183,114	183,297	183,575	183,738	183,915
Labor force ¹	118,880	118,987	119,274	119,685	119,789	119,821	119,988	120,163	120,426	120,336	120,782	121,089	120,958
Percent of population ²	65.4	65.4	65.5	65.7	65.7	65.6	65.7	65.7	65.8	65.7	65.8	65.9	65.8
Total employed ¹	110,500	110,664	110,852	111,293	111,559	111,764	111,703	111,941	112,183	112,387	112,759	113,122	113,104
Employment-population ratio ³	60.8	60.9	60.9	61.1	61.2	61.2	61.1	61.2	61.3	61.3	61.4	61.6	61.5
Resident Armed Forces ..	1,693	1,695	1,687	1,680	1,672	1,697	1,716	1,749	1,751	1,750	1,748	1,740	1,736
Civilian employed ..	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368
Agriculture ..	3,252	3,199	3,151	3,164	3,124	3,057	3,142	3,162	3,215	3,161	3,145	3,236	3,284
Nonagricultural industries ..	105,555	105,770	106,014	106,449	106,763	107,010	106,845	107,030	107,217	107,476	107,866	108,146	108,084
Unemployed	8,380	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949	8,023	7,967	7,854
Unemployment rate ⁴ ..	7.0	7.0	7.1	7.0	6.9	6.7	6.9	6.8	6.8	6.6	6.6	6.6	6.5
Not in labor force ..	62,798	62,856	62,724	62,498	62,565	62,704	62,725	62,772	62,688	62,961	62,793	62,649	62,957
Men													
Noninstitutional population ¹ ..	87,035	87,120	87,195	87,288	87,373	87,460	87,556	87,682	87,773	87,868	88,020	88,099	88,186
Labor force ¹	66,793	66,770	66,854	66,937	66,968	66,911	67,128	67,130	67,407	67,425	67,672	67,764	67,644
Percent of population ² ..	76.7	76.6	76.7	76.7	76.6	76.5	76.7	76.6	76.8	76.7	76.9	76.9	76.7
Total employed ¹	62,221	62,253	62,201	62,318	62,402	62,483	62,528	62,565	62,833	62,986	63,187	63,335	63,282
Employment-population ratio ³ ..	71.5	71.5	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.7	71.8	71.9	71.8
Resident Armed Forces ..	1,540	1,541	1,533	1,525	1,518	1,541	1,560	1,590	1,592	1,593	1,591	1,584	1,575
Civilian employed ..	60,681	60,712	60,668	60,793	60,884	60,942	60,968	60,975	61,241	61,393	61,596	61,751	61,707
Unemployed	4,572	4,517	4,653	4,619	4,566	4,428	4,600	4,565	4,574	4,439	4,484	4,429	4,362
Unemployment rate ⁴ ..	6.8	6.8	7.0	6.9	6.8	6.6	6.9	6.8	6.8	6.6	6.6	6.5	6.4
Not in labor force ..	20,242	20,350	20,341	20,351	20,405	20,549	20,428	20,552	20,366	20,443	20,348	20,335	20,542
Women													
Noninstitutional population ¹ ..	94,643	94,723	94,803	94,895	94,981	95,065	95,156	95,253	95,341	95,429	95,556	95,639	95,729
Labor force ¹	52,087	52,217	52,420	52,748	52,821	52,910	52,860	53,033	53,019	52,911	53,110	53,325	53,314
Percent of population ² ..	55.0	55.1	55.3	55.6	55.6	55.7	55.6	55.7	55.6	55.4	55.6	55.8	55.7
Total employed ¹	48,279	48,411	48,651	48,975	49,157	49,281	49,175	49,376	49,350	49,401	49,572	49,787	49,822
Employment-population ratio ³ ..	51.0	51.1	51.3	51.6	51.8	51.8	51.7	51.8	51.8	51.8	51.9	52.1	52.0
Resident Armed Forces ..	153	154	154	155	154	156	156	159	159	157	157	156	161
Civilian employed ..	48,126	48,257	48,497	48,820	49,003	49,125	49,019	49,217	49,191	49,244	49,415	49,631	49,661
Unemployed	3,808	3,806	3,769	3,773	3,664	3,629	3,685	3,657	3,669	3,510	3,538	3,538	3,492
Unemployment rate ⁴ ..	7.3	7.3	7.2	7.2	6.9	6.9	7.0	6.9	6.9	6.6	6.7	6.6	6.6
Not in labor force ..	42,556	42,506	42,383	42,147	42,160	42,155	42,296	42,220	42,322	42,518	42,446	42,314	42,415

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-32 through A-41 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Civilian noninstitutional population ¹	179,985	180,148	180,311	180,503	180,682	180,828	180,997	181,186	181,363	181,547	181,827	181,998	182,179
Civilian labor force	117,187	117,292	117,587	118,005	118,117	118,124	118,272	118,414	118,675	118,586	119,034	119,349	119,222
Percent of population	65.1	65.1	65.2	65.4	65.4	65.3	65.3	65.4	65.4	65.3	65.5	65.6	65.4
Employed	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368
Employment-population ratio ²	60.5	60.5	60.5	60.7	60.8	60.9	60.8	60.8	60.9	60.9	61.1	61.2	61.1
Unemployed	8,380	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949	8,023	7,967	7,854
Unemployment rate	7.2	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6
Men, 20 years and over													
Civilian noninstitutional population ¹	78,236	78,309	78,387	78,484	78,586	78,634	78,722	78,802	78,874	78,973	79,132	79,216	79,303
Civilian labor force	61,177	61,080	61,158	61,330	61,355	61,219	61,412	61,409	61,703	61,826	61,948	61,973	61,983
Percent of population	78.2	78.0	78.0	78.1	78.1	77.9	78.0	77.9	78.2	78.3	78.3	78.2	78.2
Employed	57,388	57,392	57,338	57,522	57,544	57,585	57,607	57,595	57,883	58,101	58,227	58,325	58,410
Employment-population ratio ²	73.4	73.3	73.1	73.3	73.2	73.2	73.2	73.1	73.4	73.6	73.6	73.6	73.7
Agriculture	2,389	2,319	2,279	2,309	2,275	2,185	2,286	2,297	2,303	2,289	2,254	2,300	2,411
Nonagricultural industries	54,999	55,073	55,059	55,213	55,269	55,400	55,321	55,298	55,580	55,812	55,974	56,024	55,999
Unemployed	3,789	3,688	3,820	3,808	3,811	3,634	3,805	3,814	3,820	3,725	3,720	3,648	3,573
Unemployment rate	6.2	6.0	6.2	6.2	6.2	5.9	6.2	6.2	6.2	6.0	6.0	5.9	5.8
Not in labor force	17,059	17,229	17,229	17,154	17,231	17,415	17,310	17,393	17,171	17,147	17,184	17,243	17,320
Women, 20 years and over													
Civilian noninstitutional population ¹	87,263	87,355	87,444	87,547	87,629	87,689	87,779	87,856	87,933	88,016	88,150	88,237	88,321
Civilian labor force	48,065	48,181	48,433	48,739	48,879	48,950	48,920	49,014	49,043	48,923	49,161	49,348	49,355
Percent of population	55.1	55.2	55.4	55.7	55.8	55.8	55.7	55.8	55.8	55.6	55.8	55.9	55.9
Employed	44,934	45,094	45,335	45,657	45,869	45,956	45,905	46,020	46,067	46,058	46,261	46,475	46,498
Employment-population ratio ²	51.5	51.6	51.8	52.2	52.3	52.4	52.3	52.4	52.4	52.3	52.5	52.7	52.6
Agriculture	589	585	604	583	607	622	614	612	675	621	628	641	589
Nonagricultural industries	44,345	44,509	44,731	45,074	45,262	45,334	45,291	45,408	45,392	45,437	45,633	45,835	45,909
Unemployed	3,131	3,087	3,098	3,082	3,010	2,994	3,015	2,994	2,976	2,865	2,900	2,873	2,857
Unemployment rate	6.5	6.4	6.4	6.3	6.2	6.1	6.2	6.1	6.1	5.9	5.9	5.8	5.8
Not in labor force	39,198	39,174	39,011	38,808	38,750	38,739	38,859	38,842	38,890	39,093	38,989	38,889	38,966
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,485	14,484	14,480	14,472	14,467	14,505	14,496	14,527	14,557	14,558	14,545	14,546	14,555
Civilian labor force	7,945	8,031	7,996	7,936	7,883	7,955	7,940	7,991	7,929	7,837	7,926	8,028	7,884
Percent of population	54.9	55.4	55.2	54.8	54.5	54.8	54.8	55.0	54.5	53.8	54.5	55.2	54.2
Employed	6,485	6,483	6,492	6,434	6,474	6,526	6,475	6,577	6,482	6,478	6,524	6,582	6,460
Employment-population ratio ²	44.8	44.8	44.8	44.5	44.8	45.0	44.7	45.3	44.5	44.5	44.9	45.2	44.4
Agriculture	274	295	268	272	242	250	242	253	237	251	264	295	284
Nonagricultural industries	6,211	6,188	6,224	6,162	6,232	6,276	6,233	6,324	6,245	6,227	6,260	6,287	6,176
Unemployed	1,460	1,548	1,504	1,502	1,409	1,429	1,465	1,414	1,447	1,359	1,402	1,446	1,424
Unemployment rate	18.4	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3	17.7	18.0	18.1
Not in labor force	6,540	6,453	6,484	6,536	6,584	6,550	6,556	6,536	6,628	6,721	6,619	6,518	6,671

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
WHITE													
Civilian noninstitutional population ¹	155,005	155,122	155,236	155,376	155,502	155,604	155,723	155,856	155,979	156,111	156,313	156,431	156,561
Civilian labor force	101,208	101,237	101,531	101,946	102,015	102,122	102,158	102,297	102,455	102,503	102,746	102,893	102,797
Percent of population	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.7
Employed	94,955	95,095	95,283	95,720	95,861	96,177	96,000	96,147	96,281	96,533	96,717	96,995	96,998
Employment-population ratio ² ..	61.3	61.3	61.4	61.6	61.6	61.8	61.6	61.7	61.7	61.8	61.9	62.0	62.0
Unemployed	6,253	6,142	6,248	6,226	6,154	5,945	6,158	6,150	6,174	5,970	6,029	5,898	5,799
Unemployment rate	6.2	6.1	6.2	6.1	6.0	5.8	6.0	6.0	6.0	5.8	5.9	5.7	5.6
Men, 20 years and over													
Civilian labor force	53,532	53,444	53,532	53,651	53,639	53,583	53,727	53,757	54,015	54,172	54,182	54,175	54,107
Percent of population ..	78.5	78.3	78.4	78.5	78.4	78.2	78.4	78.3	78.7	78.8	78.7	78.6	78.4
Employed	50,615	50,663	50,628	50,762	50,731	50,877	50,845	50,845	51,089	51,286	51,297	51,362	51,364
Employment-population ratio ² ..	74.2	74.2	74.1	74.2	74.1	74.3	74.2	74.1	74.4	74.6	74.5	74.5	74.5
Unemployed	2,917	2,781	2,904	2,889	2,908	2,706	2,882	2,912	2,926	2,886	2,885	2,813	2,743
Unemployment rate ..	5.4	5.2	5.4	5.4	5.4	5.1	5.4	5.4	5.4	5.3	5.3	5.2	5.1
Women, 20 years and over													
Civilian labor force	40,826	40,890	41,103	41,424	41,584	41,640	41,547	41,598	41,540	41,514	41,680	41,762	41,828
Percent of population ..	54.5	54.5	54.8	55.1	55.3	55.4	55.2	55.2	55.1	55.0	55.2	55.2	55.3
Employed	38,519	38,651	38,854	39,179	39,368	39,466	39,365	39,431	39,399	39,456	39,568	39,735	39,839
Employment-population ratio ² ..	51.4	51.5	51.8	52.2	52.4	52.5	52.3	52.3	52.3	52.3	52.4	52.6	52.7
Unemployed	2,307	2,239	2,249	2,245	2,216	2,174	2,182	2,167	2,141	2,058	2,111	2,028	1,989
Unemployment rate ..	5.7	5.5	5.5	5.4	5.3	5.2	5.3	5.2	5.2	5.0	5.1	4.9	4.8
Both sexes, 16 to 19 years													
Civilian labor force	6,850	6,903	6,896	6,871	6,792	6,899	6,884	6,942	6,900	6,817	6,885	6,955	6,862
Percent of population ..	57.8	58.1	58.1	57.9	57.2	58.1	57.9	58.4	58.0	57.3	57.8	58.4	57.5
Employed	5,821	5,781	5,801	5,779	5,762	5,834	5,790	5,871	5,793	5,791	5,852	5,898	5,795
Employment-population ratio ² ..	49.1	48.7	48.8	48.7	48.5	49.1	48.7	49.4	48.7	48.7	49.2	49.5	48.5
Unemployed	1,029	1,122	1,095	1,092	1,030	1,065	1,094	1,071	1,107	1,026	1,033	1,057	1,067
Unemployment rate ..	15.0	16.3	15.9	15.9	15.2	15.4	15.9	15.4	16.0	15.1	15.0	15.2	15.5
Men	15.9	17.1	17.0	17.1	15.6	16.6	16.6	15.7	16.3	15.5	16.1	16.0	17.1
Women ..	14.1	15.4	14.7	14.6	14.7	14.2	15.1	15.2	15.7	14.6	13.8	14.3	13.9
BLACK													
Civilian noninstitutional population ¹	19,889	19,916	19,943	19,974	20,002	20,028	20,056	20,089	20,120	20,152	20,187	20,218	20,249
Civilian labor force	12,634	12,687	12,721	12,712	12,611	12,553	12,652	12,720	12,719	12,707	12,831	12,957	12,844
Percent of population ..	63.5	63.7	63.8	63.6	63.0	62.7	63.1	63.3	63.2	63.1	63.6	64.1	63.4
Employed	10,770	10,809	10,839	10,818	10,822	10,716	10,799	10,895	10,910	10,968	10,997	11,101	11,053
Employment-population ratio ² ..	54.2	54.3	54.3	54.2	54.1	53.5	53.8	54.2	54.2	54.4	54.5	54.9	54.6
Unemployed	1,864	1,878	1,882	1,894	1,789	1,837	1,853	1,825	1,809	1,739	1,833	1,855	1,791
Unemployment rate ..	14.8	14.8	14.8	14.9	14.2	14.6	14.6	14.3	14.2	13.7	14.3	14.3	13.9
Men, 20 years and over													
Civilian labor force	5,902	5,904	5,924	5,948	5,939	5,885	5,906	5,932	5,934	5,947	5,986	6,012	5,997
Percent of population ..	75.1	75.0	75.1	75.3	75.0	74.2	74.4	74.6	74.5	74.5	74.9	75.1	74.8
Employed	5,149	5,149	5,161	5,157	5,170	5,110	5,116	5,153	5,171	5,244	5,256	5,288	5,305
Employment-population ratio ² ..	65.5	65.4	65.4	65.3	65.3	64.5	64.5	64.8	65.0	65.7	65.7	66.0	66.1
Unemployed	753	755	763	791	769	775	790	779	763	703	730	724	692
Unemployment rate ..	12.8	12.8	12.9	13.3	12.9	13.2	13.4	13.1	12.9	11.8	12.2	12.0	11.5
Women, 20 years and over													
Civilian labor force	5,799	5,853	5,876	5,848	5,848	5,841	5,872	5,909	5,943	5,907	5,984	6,030	5,987
Percent of population ..	58.6	59.1	59.2	58.8	58.8	58.6	58.8	59.1	59.3	58.9	59.6	59.9	59.4
Employed	5,084	5,120	5,130	5,107	5,141	5,112	5,145	5,178	5,200	5,182	5,221	5,255	5,211
Employment-population ratio ² ..	51.4	51.7	51.7	51.4	51.6	51.3	51.5	51.8	51.9	51.7	52.0	52.2	51.7
Unemployed	715	733	746	741	707	729	727	731	743	725	763	775	776
Unemployment rate ..	12.3	12.5	12.7	12.7	12.1	12.5	12.4	12.4	12.5	12.3	12.8	12.9	13.0

See footnotes at end of table.

HOUSEHOLD DATA
SEASONALLY ADJUSTED

A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	933	930	921	916	824	827	874	879	842	853	860	915	861
Percent of population ..	43.7	43.5	43.2	42.9	38.7	38.8	40.9	41.1	39.3	39.8	40.1	42.6	40.0
Employed	537	540	548	554	511	494	538	564	539	542	520	559	537
Employment-population ratio ² ..	25.2	25.3	25.7	26.0	24.0	23.1	25.2	26.3	25.1	25.3	24.2	26.0	24.9
Unemployed	396	390	373	362	313	333	336	315	303	311	340	356	324
Unemployment rate ..	42.4	41.9	40.5	39.5	38.0	40.3	38.4	35.8	36.0	36.5	39.5	38.9	37.6
Men	42.6	41.2	40.5	39.7	40.5	38.8	38.6	37.8	35.0	36.1	36.5	38.3	36.5
Women ..	42.2	42.7	40.5	39.4	35.0	41.9	38.3	33.8	37.0	36.9	43.2	39.5	38.8
HISPANIC ORIGIN													
Civilian noninstitutional population ¹ ..	12,219	12,255	12,290	12,326	12,362	12,397	12,432	12,469	12,505	12,540	12,653	12,692	12,732
Civilian labor force	7,926	7,969	8,006	8,085	8,121	8,130	8,179	8,200	8,226	8,320	8,431	8,457	8,392
Percent of population ..	64.9	65.0	65.1	65.6	65.7	65.6	65.8	65.8	65.8	66.3	66.6	66.6	65.9
Employed	7,095	7,129	7,136	7,224	7,269	7,248	7,286	7,345	7,437	7,446	7,538	7,644	7,639
Employment-population ratio ² ..	58.1	58.2	58.1	58.6	58.8	58.5	58.6	58.9	59.5	59.5	59.6	60.2	60.0
Unemployed	831	840	870	861	852	882	893	855	789	874	893	813	753
Unemployment rate ..	10.5	10.5	10.9	10.6	10.5	10.8	10.9	10.4	9.6	10.5	10.6	9.6	9.0

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-35. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTIC													
Total	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368
Married men, spouse present	39,396	39,504	39,582	39,613	39,634	39,735	39,691	39,780	39,952	40,093	40,102	39,913	40,100
Married women, spouse present ..	26,761	26,889	27,016	27,354	27,474	27,388	27,249	27,323	27,333	27,400	27,525	27,817	27,965
Women who maintain families ..	5,754	5,799	5,734	5,719	5,812	5,832	5,926	6,016	6,041	6,005	5,985	5,906	5,933
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers ..	1,655	1,539	1,489	1,508	1,504	1,509	1,521	1,562	1,582	1,621	1,650	1,647	1,739
Self-employed workers ..	1,450	1,467	1,472	1,492	1,434	1,387	1,460	1,451	1,425	1,400	1,370	1,454	1,418
Unpaid family workers	169	173	177	163	171	174	159	164	198	152	136	126	150
Nonagricultural industries:													
Wage and salary workers ..	97,661	97,858	98,047	98,314	98,312	98,586	98,692	98,846	98,869	99,164	99,550	99,748	99,834
Government	16,160	16,231	16,333	16,377	16,582	16,446	16,333	16,264	16,457	16,443	16,412	16,532	16,568
Private industries	81,501	81,627	81,714	81,937	81,730	82,140	82,359	82,582	82,412	82,721	83,138	83,216	83,265
Private households ..	1,227	1,309	1,261	1,267	1,241	1,247	1,229	1,216	1,183	1,189	1,269	1,204	1,227
Other industries	80,274	80,318	80,453	80,670	80,489	80,893	81,130	81,366	81,229	81,532	81,869	82,012	82,038
Self-employed workers ..	7,713	7,634	7,793	7,832	8,019	7,956	7,939	7,993	8,179	8,056	8,192	8,187	8,050
Unpaid family workers ..	243	251	235	236	258	271	275	265	252	239	246	255	273
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons ..	5,548	5,853	5,825	5,538	5,442	5,471	5,544	5,740	5,563	5,596	5,505	5,780	5,456
Slack work	2,352	2,534	2,605	2,437	2,473	2,417	2,472	2,481	2,510	2,444	2,473	2,535	2,440
Could only find part-time work ..	2,908	2,922	2,843	2,813	2,661	2,741	2,772	2,826	2,714	2,867	2,695	2,828	2,698
Voluntary part time ..	13,778	13,900	13,853	14,142	13,967	13,981	13,922	14,178	14,021	13,877	14,170	14,061	14,167
Nonagricultural industries:													
Part time for economic reasons ..	5,295	5,567	5,569	5,322	5,222	5,269	5,303	5,450	5,319	5,342	5,201	5,459	5,164
Slack work	2,160	2,382	2,485	2,307	2,317	2,283	2,314	2,314	2,366	2,286	2,281	2,340	2,218
Could only find part-time work ..	2,819	2,806	2,749	2,727	2,609	2,678	2,710	2,739	2,626	2,765	2,599	2,742	2,595
Voluntary part time ..	13,351	13,528	13,412	13,613	13,578	13,606	13,520	13,736	13,567	13,455	13,750	13,597	13,682

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**

A-36. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637	111,011	111,382	111,368
16 to 24 years	20,418	20,298	20,211	20,250	20,268	20,281	20,163	20,263	20,201	20,093	20,237	20,293	20,113
16 to 19 years	6,485	6,483	6,492	6,434	6,474	6,526	6,475	6,577	6,482	6,478	6,524	6,582	6,460
16 to 17 years	2,652	2,619	2,612	2,611	2,605	2,593	2,670	2,714	2,648	2,717	2,713	2,727	2,688
18 to 19 years	3,877	3,842	3,873	3,821	3,830	3,903	3,804	3,877	3,843	3,771	3,816	3,844	3,809
20 to 24 years	13,933	13,815	13,719	13,816	13,794	13,755	13,688	13,686	13,719	13,615	13,713	13,711	13,652
25 years and over	88,422	88,650	88,916	89,387	89,730	89,792	89,796	89,899	90,221	90,524	90,725	91,104	91,290
25 to 54 years	74,164	74,398	74,464	74,894	75,207	75,405	75,582	75,714	75,889	76,247	76,281	76,680	76,844
55 years and over	14,230	14,266	14,352	14,501	14,447	14,445	14,269	14,223	14,341	14,349	14,450	14,363	14,426
Men, 16 years and over	60,681	60,712	60,668	60,793	60,884	60,942	60,968	60,975	61,241	61,393	61,596	61,751	61,707
16 to 24 years	10,661	10,576	10,496	10,509	10,590	10,567	10,528	10,587	10,546	10,449	10,526	10,608	10,452
16 to 19 years	3,293	3,320	3,330	3,271	3,340	3,357	3,361	3,380	3,358	3,292	3,369	3,426	3,297
16 to 17 years	1,355	1,356	1,367	1,350	1,357	1,325	1,399	1,391	1,353	1,373	1,395	1,425	1,355
18 to 19 years	1,942	1,960	1,960	1,923	1,970	2,005	1,965	2,003	2,009	1,933	1,974	2,000	1,945
20 to 24 years	7,368	7,256	7,166	7,238	7,250	7,210	7,167	7,207	7,188	7,157	7,156	7,182	7,155
25 years and over	50,057	50,142	50,152	50,267	50,321	50,393	50,419	50,348	50,705	50,943	51,053	51,207	51,278
25 to 54 years	41,626	41,720	41,637	41,853	41,884	42,050	42,124	42,049	42,278	42,485	42,569	42,702	42,729
55 years and over	8,411	8,426	8,462	8,441	8,402	8,357	8,323	8,329	8,428	8,507	8,458	8,470	8,546
Women, 16 years and over	48,126	48,257	48,497	48,820	49,003	49,125	49,019	49,217	49,191	49,244	49,415	49,631	49,661
16 to 24 years	9,757	9,722	9,715	9,741	9,678	9,714	9,635	9,676	9,655	9,644	9,711	9,685	9,661
16 to 19 years	3,192	3,163	3,162	3,163	3,134	3,169	3,114	3,197	3,124	3,186	3,154	3,155	3,163
16 to 17 years	1,297	1,263	1,245	1,261	1,248	1,268	1,271	1,323	1,295	1,344	1,318	1,302	1,333
18 to 19 years	1,935	1,882	1,913	1,898	1,860	1,898	1,839	1,874	1,834	1,838	1,842	1,844	1,864
20 to 24 years	6,565	6,559	6,553	6,578	6,544	6,545	6,521	6,479	6,531	6,458	6,557	6,529	6,498
25 years and over	38,365	38,508	38,764	39,120	39,409	39,399	39,377	39,551	39,516	39,581	39,672	39,897	40,012
25 to 54 years	32,538	32,678	32,827	33,041	33,323	33,355	33,458	33,665	33,611	33,762	33,712	33,978	34,116
55 years and over	5,819	5,840	5,890	6,060	6,045	6,088	5,946	5,894	5,913	5,842	5,992	5,893	5,879

A-37. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	8,380	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949	8,023	7,967	7,854
16 to 24 years	3,125	3,218	3,242	3,157	3,071	3,001	3,173	3,022	3,005	2,986	3,045	3,049	2,969
16 to 19 years	1,460	1,548	1,504	1,502	1,409	1,429	1,465	1,414	1,447	1,359	1,402	1,446	1,424
16 to 17 years	653	686	686	681	642	641	668	647	686	629	683	693	670
18 to 19 years	808	868	816	813	740	787	790	766	768	737	735	765	753
20 to 24 years	1,665	1,670	1,738	1,655	1,662	1,572	1,708	1,608	1,558	1,627	1,643	1,603	1,545
25 years and over	5,239	5,097	5,161	5,212	5,148	5,087	5,130	5,197	5,230	4,961	5,024	4,912	4,872
25 to 54 years	4,615	4,521	4,634	4,677	4,584	4,525	4,523	4,597	4,630	4,422	4,552	4,459	4,363
55 years and over	623	576	556	569	574	561	587	603	571	527	477	452	509
Men, 16 years and over	4,572	4,517	4,653	4,619	4,566	4,428	4,600	4,565	4,574	4,439	4,484	4,429	4,362
16 to 24 years	1,694	1,757	1,778	1,699	1,660	1,625	1,761	1,615	1,635	1,623	1,626	1,673	1,589
16 to 19 years	783	829	833	811	755	794	795	751	754	714	764	781	789
16 to 17 years	349	363	369	337	345	350	373	344	366	325	380	383	344
18 to 19 years	434	467	464	463	395	441	416	409	388	395	401	410	444
20 to 24 years	911	928	945	888	905	831	966	864	881	909	862	892	800
25 years and over	2,867	2,758	2,855	2,885	2,896	2,835	2,857	2,945	2,931	2,809	2,901	2,760	2,758
25 to 54 years	2,494	2,420	2,536	2,551	2,548	2,471	2,472	2,558	2,568	2,462	2,578	2,461	2,435
55 years and over	364	348	344	363	350	356	364	385	361	351	310	293	316
Women, 16 years and over	3,808	3,806	3,769	3,773	3,664	3,629	3,685	3,657	3,669	3,510	3,538	3,538	3,492
16 to 24 years	1,431	1,461	1,464	1,458	1,411	1,376	1,412	1,407	1,370	1,363	1,419	1,375	1,380
16 to 19 years	677	719	671	691	654	635	670	663	693	645	638	665	635
16 to 17 years	304	323	317	344	297	291	295	303	320	304	303	310	326
18 to 19 years	374	401	352	350	345	346	374	357	380	342	334	355	309
20 to 24 years	754	742	793	767	757	741	742	744	677	718	781	710	745
25 years and over	2,372	2,339	2,306	2,327	2,252	2,252	2,273	2,252	2,299	2,152	2,124	2,152	2,113
25 to 54 years	2,121	2,101	2,098	2,126	2,036	2,054	2,051	2,039	2,062	1,960	1,974	1,998	1,928
55 years and over	259	228	212	206	224	205	223	218	210	176	167	158	193

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-38. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	7.2	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6
16 to 24 years	13.3	13.7	13.8	13.5	13.2	12.9	13.6	13.0	12.9	12.9	13.1	13.1	12.9
16 to 19 years	18.4	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3	17.7	18.0	18.1
16 to 17 years	19.8	20.8	20.8	20.7	19.8	19.8	20.0	19.3	20.6	18.8	20.1	20.3	20.0
18 to 19 years	17.2	18.4	17.4	17.5	16.2	16.8	17.2	16.5	16.7	16.3	16.2	16.6	16.5
20 to 24 years	10.7	10.8	11.2	10.7	10.8	10.3	11.1	10.5	10.2	10.7	10.7	10.5	10.2
25 years and over	5.6	5.4	5.5	5.5	5.4	5.4	5.4	5.5	5.5	5.2	5.2	5.1	5.1
25 to 54 years	5.9	5.7	5.9	5.9	5.7	5.7	5.6	5.7	5.8	5.5	5.6	5.5	5.4
55 years and over	4.2	3.9	3.7	3.8	3.8	3.7	4.0	4.1	3.8	3.5	3.2	3.0	3.4
Men, 16 years and over	7.0	6.9	7.1	7.1	7.0	6.8	7.0	7.0	6.9	6.7	6.8	6.7	6.6
16 to 24 years	13.7	14.2	14.5	13.9	13.6	13.3	14.3	13.2	13.4	13.4	13.4	13.6	13.2
16 to 19 years	19.2	20.0	20.0	19.9	18.4	19.1	19.1	18.2	18.3	17.8	18.5	18.6	19.3
16 to 17 years	20.5	21.1	21.3	20.0	20.3	20.9	21.0	19.8	21.3	19.1	21.4	21.2	20.2
18 to 19 years	18.3	19.2	19.1	19.4	16.7	18.0	17.5	17.0	16.2	17.0	16.9	17.0	18.6
20 to 24 years	11.0	11.3	11.7	10.9	11.1	10.3	11.9	10.7	10.9	11.3	10.7	11.1	10.1
25 years and over	5.4	5.2	5.4	5.4	5.4	5.3	5.4	5.5	5.5	5.2	5.4	5.1	5.1
25 to 54 years	5.7	5.5	5.7	5.7	5.7	5.6	5.5	5.7	5.7	5.5	5.7	5.4	5.4
55 years and over	4.1	4.0	3.9	4.1	4.0	4.1	4.2	4.4	4.1	4.0	3.5	3.3	3.6
Women, 16 years and over	7.3	7.3	7.2	7.2	7.0	6.9	7.0	6.9	6.9	6.7	6.7	6.7	6.6
16 to 24 years	12.8	13.1	13.1	13.0	12.7	12.4	12.8	12.7	12.4	12.4	12.7	12.4	12.5
16 to 19 years	17.5	18.5	17.5	17.9	17.3	16.7	17.7	17.2	18.2	16.8	16.8	17.4	16.7
16 to 17 years	19.0	20.4	20.3	21.4	19.2	18.7	18.8	18.6	19.8	18.4	18.7	19.2	19.7
18 to 19 years	16.2	17.6	15.5	15.6	15.6	15.4	16.9	16.0	17.2	15.7	15.3	16.1	14.2
20 to 24 years	10.3	10.2	10.8	10.4	10.4	10.2	10.2	10.3	9.4	10.0	10.6	9.8	10.3
25 years and over	5.8	5.7	5.6	5.6	5.4	5.4	5.5	5.4	5.5	5.2	5.1	5.1	5.0
25 to 54 years	6.1	6.0	6.0	6.0	5.8	5.8	5.8	5.7	5.8	5.5	5.5	5.6	5.4
55 years and over	4.3	3.8	3.5	3.3	3.6	3.3	3.6	3.6	3.4	2.9	2.7	2.6	3.2

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTIC													
Total (all civilian workers) ..	7.2	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7	6.7	6.7	6.6
Men, 20 years and over	6.2	6.0	6.2	6.2	6.2	5.9	6.2	6.2	6.2	6.0	6.0	5.9	5.8
Women, 20 years and over ..	6.5	6.4	6.4	6.3	6.2	6.1	6.2	6.1	6.1	5.9	5.9	5.8	5.8
Both sexes, 16 to 19 years ..	18.4	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3	17.7	18.0	18.1
White	6.2	6.1	6.2	6.1	6.0	5.8	6.0	6.0	6.0	5.8	5.9	5.7	5.6
Black and other ..	13.4	13.5	13.5	13.5	12.7	13.1	13.1	12.7	12.7	12.3	12.6	12.8	12.5
Black	14.8	14.8	14.8	14.9	14.2	14.6	14.6	14.3	14.2	13.7	14.3	14.3	13.9
Hispanic origin ..	10.5	10.5	10.9	10.6	10.5	10.8	10.9	10.4	9.6	10.5	10.6	9.6	9.0
Married men, spouse present ..	4.5	4.2	4.4	4.5	4.4	4.2	4.3	4.6	4.5	4.3	4.2	4.2	4.1
Married women, spouse present ..	5.5	5.3	5.3	5.2	5.1	5.1	5.1	5.0	5.0	4.8	4.8	4.8	4.5
Women who maintain families ..	10.1	9.5	10.1	10.0	9.5	10.1	9.8	8.9	9.7	9.8	9.8	9.5	9.7
Full-time workers	6.8	6.7	6.9	6.7	6.6	6.4	6.6	6.6	6.6	6.3	6.4	6.3	6.2
Part-time workers	9.1	9.4	9.1	9.1	9.2	9.3	9.3	9.2	9.1	8.8	9.0	8.7	9.2
Unemployed 15 weeks and over ¹ ..	1.9	1.8	1.9	1.9	1.9	1.9	2.0	1.8	1.9	1.8	1.8	1.8	1.7
Labor force time lost ² ..	8.1	8.1	8.2	8.1	7.8	7.7	7.9	7.8	7.7	7.6	7.6	7.6	7.4
INDUSTRY													
Nonagricultural private wage and salary workers ..	7.1	7.1	7.2	7.1	7.1	6.9	7.0	7.0	7.0	6.8	6.7	6.6	6.5
Mining	10.5	12.4	13.6	17.3	16.6	16.6	13.9	14.5	14.5	14.1	14.0	12.4	9.3
Construction	13.0	12.3	13.0	12.4	13.0	12.4	12.9	13.8	15.1	13.7	12.2	11.6	12.5
Manufacturing	7.2	6.9	7.4	7.2	6.9	6.9	7.0	7.3	7.1	6.9	6.8	6.8	6.9
Durable goods	6.9	6.9	7.3	7.0	6.7	6.8	6.5	7.2	6.6	6.4	6.8	6.8	6.7
Nondurable goods	7.6	6.9	7.5	7.5	7.2	6.9	7.7	7.3	7.9	7.7	6.8	6.9	7.3
Transportation and public utilities ..	5.8	5.5	5.3	5.4	5.5	4.8	4.7	5.2	4.4	4.6	4.8	4.0	4.6
Wholesale and retail trade	7.7	7.9	7.9	7.7	7.8	7.5	7.6	7.4	7.2	7.2	7.5	7.2	7.3
Finance and service industries	5.6	5.8	5.5	5.5	5.7	5.6	5.6	5.4	5.4	5.1	5.2	5.4	4.9
Agricultural wage and salary workers ..	12.1	13.4	15.3	13.2	11.4	13.3	12.9	11.9	10.1	11.5	11.6	11.2	10.7

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

A-40. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
DURATION													
Less than 5 weeks	3,536	3,565	3,610	3,415	3,399	3,436	3,415	3,418	3,382	3,355	3,416	3,361	3,383
5 to 14 weeks	2,625	2,650	2,671	2,650	2,521	2,407	2,524	2,563	2,613	2,389	2,530	2,477	2,447
15 weeks and over	2,243	2,130	2,232	2,299	2,250	2,272	2,373	2,168	2,217	2,171	2,200	2,131	2,050
15 to 26 weeks	1,078	982	1,065	1,038	1,058	1,068	1,110	950	1,045	1,023	1,022	1,008	945
27 weeks and over	1,165	1,148	1,167	1,261	1,192	1,204	1,263	1,218	1,172	1,148	1,178	1,123	1,105
Average (mean) duration, in weeks	14.6	14.7	14.8	15.2	15.1	15.6	15.5	15.2	14.8	15.0	15.0	14.6	14.9
Median duration, in weeks	6.8	6.6	6.8	7.2	7.1	7.1	7.1	7.0	7.0	7.1	7.0	6.6	6.6
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	42.1	42.7	42.4	40.8	41.6	42.3	41.1	41.9	41.2	42.4	41.9	42.2	42.9
5 to 14 weeks	31.2	31.8	31.4	31.7	30.9	29.7	30.4	31.5	31.8	30.2	31.1	31.1	31.1
15 weeks and over	26.7	25.5	26.2	27.5	27.5	28.0	28.5	26.6	27.0	27.4	27.0	26.7	26.0
15 to 26 weeks	12.8	11.8	12.5	12.4	12.9	13.2	13.4	11.7	12.7	12.9	12.5	12.7	12.0
27 weeks and over	13.9	13.8	13.7	15.1	14.6	14.8	15.2	14.9	14.3	14.5	14.5	14.1	14.0

A-41. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NUMBER OF UNEMPLOYED													
Job losers	4,210	4,035	4,214	4,272	4,063	3,824	4,044	3,984	3,947	3,890	3,971	3,839	3,822
On layoff	1,144	1,057	1,118	1,074	1,078	1,017	1,029	1,072	1,073	1,078	1,118	998	1,011
Other job losers	3,066	2,978	3,096	3,198	2,985	2,807	3,015	2,912	2,874	2,812	2,854	2,842	2,811
Job leavers	989	1,071	979	1,009	1,025	990	1,041	1,027	1,056	1,036	891	1,046	1,000
Reentrants	2,196	2,188	2,200	2,107	2,205	2,199	2,145	2,190	2,119	2,019	2,054	2,042	2,111
New entrants	1,006	1,048	1,046	1,050	989	1,014	1,038	972	1,076	1,015	1,084	1,040	956
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	50.1	48.4	49.9	50.6	49.1	47.6	48.9	48.7	48.1	48.9	49.6	48.2	48.4
On layoff	13.6	12.7	13.2	12.7	13.0	12.7	12.4	13.1	13.1	13.5	14.0	12.5	12.8
Other job losers	36.5	35.7	36.7	37.9	36.0	35.0	36.5	35.6	35.1	35.3	35.7	35.7	35.6
Job leavers	11.8	12.8	11.6	12.0	12.4	12.3	12.6	12.6	12.9	13.0	11.1	13.1	12.7
Reentrants	26.1	26.2	26.1	25.0	26.6	27.4	25.9	26.8	25.8	25.4	25.7	25.6	26.8
New entrants	12.0	12.6	12.4	12.4	11.9	12.6	12.6	11.9	13.1	12.8	13.6	13.1	12.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.6	3.4	3.6	3.6	3.4	3.2	3.4	3.4	3.3	3.3	3.3	3.2	3.2
Job leavers .....	.8	.9	.8	.9	.9	.8	.9	.9	.9	.9	.7	.9	.8
Reentrants	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.8
New entrants .....	.9	.9	.9	.9	.8	.9	.9	.8	.9	.9	.9	.9	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-42. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Noninstitutional population ¹	177,364	177,816	178,305	178,834	179,222	179,649	180,135	180,641	181,517	182,008	182,530	183,115	183,743
Labor force ²	114,226	115,209	115,514	115,960	116,728	116,878	117,188	117,887	118,699	119,315	119,866	120,308	120,943
Percent of population ²	64.4	64.8	64.8	64.8	65.1	65.1	65.1	65.3	65.4	65.6	65.7	65.7	65.8
Total employed ³	105,358	106,737	107,069	107,638	108,321	108,531	108,914	109,673	110,444	110,936	111,675	112,170	112,995
Employment-population ratio ³	59.4	60.0	60.0	60.2	60.4	60.4	60.5	60.7	60.8	61.0	61.2	61.3	61.5
Resident Armed Forces	1,685	1,691	1,710	1,701	1,700	1,703	1,721	1,700	1,692	1,687	1,695	1,750	1,741
Civilian employed	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420	111,254
Agriculture	3,300	3,345	3,331	3,323	3,312	3,250	3,094	3,093	3,212	3,171	3,108	3,179	3,222
Nonagricultural industries	100,373	101,701	102,029	102,615	103,308	103,578	104,100	104,880	105,540	106,078	106,873	107,241	108,032
Unemployed	8,868	8,472	8,445	8,321	8,407	8,347	8,274	8,214	8,256	8,379	8,191	8,138	7,948
Unemployment rate ⁴	7.8	7.4	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.8	6.8	6.6
Not in labor force	63,138	62,607	62,791	62,874	62,494	62,771	62,947	62,754	62,817	62,693	62,664	62,807	62,800
Men													
Noninstitutional population ¹	84,812	85,026	85,263	85,523	85,695	85,899	86,133	86,376	86,957	87,201	87,463	87,775	88,101
Labor force ²	65,007	65,292	65,487	65,709	65,774	65,887	65,998	66,220	66,732	66,854	67,002	67,321	67,693
Percent of population ²	76.6	76.8	76.8	76.8	76.8	76.7	76.6	76.7	76.7	76.7	76.6	76.7	76.8
Total employed ³	60,008	60,584	60,838	61,143	61,202	61,353	61,511	61,742	62,252	62,257	62,471	62,795	63,268
Employment-population ratio ³	70.8	71.3	71.4	71.5	71.4	71.4	71.4	71.5	71.6	71.4	71.4	71.5	71.8
Resident Armed Forces	1,541	1,546	1,562	1,553	1,552	1,554	1,569	1,551	1,539	1,533	1,540	1,592	1,583
Civilian employed	58,466	59,038	59,276	59,590	59,650	59,799	59,942	60,191	60,712	60,724	60,931	61,203	61,685
Unemployed	4,999	4,707	4,649	4,566	4,572	4,535	4,486	4,479	4,480	4,596	4,531	4,526	4,425
Unemployment rate ⁴	7.7	7.2	7.1	6.9	7.0	6.9	6.8	6.8	6.7	6.9	6.8	6.7	6.5
Not in labor force	19,806	19,734	19,776	19,814	19,921	20,011	20,136	20,155	20,225	20,347	20,460	20,454	20,408
Women													
Noninstitutional population ¹	92,552	92,790	93,043	93,311	93,527	93,751	94,000	94,265	94,560	94,807	95,067	95,341	95,642
Labor force ²	49,219	49,918	50,027	50,251	50,954	50,991	51,190	51,667	51,967	52,462	52,864	52,988	53,250
Percent of population ²	53.2	53.8	53.8	53.9	54.5	54.4	54.5	54.8	55.0	55.3	55.6	55.6	55.7
Total employed ³	45,351	46,153	46,232	46,495	47,119	47,179	47,403	47,931	48,192	48,679	49,204	49,376	49,727
Employment-population ratio ³	49.0	49.7	49.7	49.8	50.4	50.3	50.4	50.8	51.0	51.3	51.8	51.8	52.0
Resident Armed Forces	144	145	148	148	148	149	151	149	152	154	155	158	158
Civilian employed	45,207	46,008	46,083	46,348	46,971	47,029	47,251	47,782	48,040	48,525	49,049	49,217	49,569
Unemployed	3,869	3,765	3,796	3,756	3,835	3,812	3,787	3,736	3,775	3,783	3,659	3,612	3,523
Unemployment rate ⁴	7.9	7.5	7.6	7.5	7.5	7.5	7.4	7.2	7.3	7.2	6.9	6.8	6.6
Not in labor force	43,333	42,872	43,016	43,060	42,573	42,761	42,810	42,598	42,593	42,346	42,204	42,354	42,392

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-42 through A-53 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-43. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Civilian noninstitutional population ¹	175,679	176,125	176,595	177,133	177,522	177,946	178,414	178,941	179,825	180,321	180,835	181,365	182,002
Civilian labor force	112,541	113,518	113,804	114,259	115,028	115,175	115,467	116,187	117,008	117,628	118,171	118,558	119,202
Percent of population	64.1	64.5	64.4	64.5	64.8	64.7	64.7	64.9	65.1	65.2	65.3	65.4	65.5
Employed	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420	111,254
Employment-population ratio ²	59.0	59.6	59.7	59.8	60.1	60.0	60.1	60.3	60.5	60.6	60.8	60.9	61.1
Unemployed	8,868	8,472	8,445	8,321	8,407	8,347	8,274	8,214	8,256	8,379	8,191	8,138	7,948
Unemployment rate	7.9	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.1	6.9	6.9	6.7
Men, 20 years and over													
Civilian noninstitutional population ¹	75,786	76,074	76,356	76,660	76,831	77,064	77,313	77,571	78,169	78,393	78,647	78,883	79,217
Civilian labor force	59,307	59,586	59,835	60,014	60,012	60,194	60,319	60,580	61,137	61,189	61,329	61,646	61,968
Percent of population	78.3	78.3	78.4	78.3	78.1	78.1	78.0	78.1	78.2	78.1	78.0	78.1	78.2
Employed	55,154	55,681	55,984	56,249	56,247	56,439	56,645	56,929	57,428	57,417	57,579	57,860	58,320
Employment-population ratio ²	72.8	73.2	73.3	73.4	73.2	73.2	73.3	73.4	73.5	73.2	73.2	73.3	73.6
Agriculture	2,382	2,426	2,434	2,433	2,364	2,314	2,223	2,228	2,330	2,302	2,249	2,296	2,322
Nonagricultural industries	52,772	53,256	53,550	53,816	53,883	54,125	54,422	54,701	55,098	55,115	55,330	55,563	55,999
Unemployed	4,153	3,904	3,851	3,765	3,765	3,756	3,675	3,651	3,710	3,772	3,750	3,786	3,647
Unemployment rate	7.0	6.6	6.4	6.3	6.3	6.2	6.1	6.0	6.1	6.2	6.1	6.1	5.9
Not in labor force	16,479	16,488	16,521	16,646	16,819	16,870	16,994	16,991	17,032	17,204	17,318	17,237	17,249
Women, 20 years and over													
Civilian noninstitutional population ¹	84,962	85,273	85,586	85,895	86,094	86,377	86,651	86,900	87,187	87,449	87,699	87,935	88,236
Civilian labor force	45,265	45,927	46,049	46,348	46,955	47,138	47,305	47,726	47,990	48,451	48,916	48,993	49,288
Percent of population	53.3	53.9	53.8	54.0	54.5	54.6	54.6	54.9	55.0	55.4	55.8	55.7	55.9
Employed	42,110	42,861	42,941	43,243	43,803	43,976	44,155	44,668	44,902	45,362	45,910	46,048	46,411
Employment-population ratio ²	49.6	50.3	50.2	50.3	50.9	50.9	51.0	51.4	51.5	51.9	52.3	52.4	52.6
Agriculture	597	614	591	577	603	607	578	598	619	591	614	636	619
Nonagricultural industries	41,513	42,247	42,350	42,666	43,200	43,368	43,577	44,070	44,283	44,771	45,296	45,412	45,792
Unemployed	3,155	3,066	3,107	3,105	3,152	3,162	3,151	3,058	3,088	3,089	3,006	2,945	2,877
Unemployment rate	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.4	6.4	6.1	6.0	5.8
Not in labor force	39,697	39,346	39,537	39,547	39,139	39,239	39,346	39,174	39,197	38,998	38,783	38,942	38,948
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,931	14,778	14,653	14,577	14,597	14,506	14,450	14,470	14,469	14,479	14,489	14,547	14,548
Civilian labor force	7,969	8,005	7,921	7,898	8,061	7,843	7,842	7,881	7,880	7,988	7,926	7,919	7,946
Percent of population	53.4	54.2	54.1	54.2	55.2	54.1	54.3	54.5	54.5	55.2	54.7	54.4	54.6
Employed	6,410	6,503	6,434	6,446	6,570	6,414	6,394	6,376	6,422	6,470	6,492	6,512	6,522
Employment-population ratio ²	42.9	44.0	43.9	44.2	45.0	44.2	44.2	44.1	44.4	44.7	44.8	44.8	44.8
Agriculture	321	305	306	313	346	329	293	266	263	278	245	247	281
Nonagricultural industries	6,088	6,198	6,128	6,133	6,225	6,085	6,101	6,110	6,159	6,191	6,247	6,265	6,241
Unemployed	1,559	1,502	1,487	1,451	1,490	1,429	1,448	1,505	1,458	1,518	1,434	1,407	1,424
Unemployment rate	19.6	18.8	18.8	18.4	18.5	18.2	18.5	19.1	18.5	19.0	18.1	17.8	17.9
Not in labor force	6,962	6,773	6,732	6,679	6,536	6,663	6,608	6,589	6,589	6,491	6,563	6,628	6,602

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional

population.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
WHITE													
Civilian noninstitutional population ¹	152,101	152,234	152,386	152,666	153,196	153,491	153,825	154,204	154,893	155,245	155,609	155,982	156,435
Civilian labor force	97,986	98,626	98,492	98,812	99,595	99,684	99,888	100,536	101,126	101,571	102,098	102,418	102,812
Percent of population ..	64.4	64.8	64.6	64.7	65.0	64.9	64.9	65.2	65.3	65.4	65.6	65.7	65.7
Employed	91,324	92,293	92,257	92,608	93,331	93,435	93,705	94,472	94,945	95,366	96,013	96,320	96,903
Employment-population ratio ² ..	60.0	60.6	60.5	60.7	60.9	60.9	60.9	61.3	61.3	61.4	61.7	61.8	61.9
Unemployed	6,662	6,333	6,235	6,204	6,265	6,248	6,183	6,063	6,182	6,205	6,086	6,098	5,909
Unemployment rate ..	6.8	6.4	6.3	6.3	6.3	6.3	6.2	6.0	6.1	6.1	6.0	6.0	5.7
Men, 20 years and over													
Civilian labor force	52,235	52,422	52,495	52,606	52,679	52,838	52,917	53,145	53,543	53,542	53,650	53,981	54,155
Percent of population ..	78.7	78.8	78.8	78.7	78.5	78.5	78.4	78.6	78.6	78.4	78.3	78.6	78.6
Employed	49,043	49,467	49,612	49,725	49,814	49,964	50,082	50,390	50,703	50,684	50,818	51,073	51,341
Employment-population ratio ² ..	73.9	74.3	74.4	74.4	74.2	74.2	74.2	74.5	74.4	74.2	74.2	74.4	74.5
Unemployed	3,192	2,955	2,883	2,882	2,865	2,874	2,835	2,754	2,840	2,858	2,832	2,908	2,814
Unemployment rate ..	6.1	5.6	5.5	5.5	5.4	5.4	5.4	5.2	5.3	5.3	5.3	5.4	5.2
Women, 20 years and over													
Civilian labor force	38,705	39,174	39,127	39,337	39,939	40,042	40,203	40,565	40,767	41,139	41,590	41,551	41,757
Percent of population ..	52.7	53.3	53.1	53.3	53.9	53.9	54.0	54.3	54.4	54.8	55.3	55.1	55.2
Employed	36,413	36,923	36,862	37,083	37,625	37,725	37,909	38,354	38,473	38,895	39,400	39,429	39,714
Employment-population ratio ² ..	49.6	50.2	50.0	50.2	50.8	50.8	50.9	51.4	51.4	51.8	52.4	52.3	52.5
Unemployed	2,292	2,251	2,265	2,254	2,313	2,317	2,294	2,211	2,294	2,244	2,191	2,122	2,043
Unemployment rate ..	5.9	5.7	5.8	5.7	5.8	5.8	5.7	5.5	5.6	5.5	5.3	5.1	4.9
Both sexes, 16 to 19 years													
Civilian labor force	7,046	7,030	6,871	6,869	6,978	6,804	6,768	6,826	6,817	6,890	6,858	6,886	6,901
Percent of population ..	57.2	57.8	56.9	57.1	58.3	57.2	57.0	57.5	57.5	58.0	57.7	57.9	57.9
Employed	5,867	5,903	5,783	5,801	5,891	5,746	5,714	5,728	5,769	5,787	5,795	5,818	5,848
Employment-population ratio ² ..	47.6	48.5	47.9	48.3	49.2	48.3	48.2	48.3	48.6	48.7	48.8	48.9	49.1
Unemployed	1,178	1,127	1,088	1,068	1,087	1,057	1,054	1,098	1,048	1,103	1,063	1,068	1,052
Unemployment rate ..	16.7	16.0	15.8	15.5	15.6	15.5	15.6	16.1	15.4	16.0	15.5	15.5	15.2
Men	17.6	16.6	16.8	16.4	16.4	16.1	16.7	17.0	15.8	17.0	16.3	15.8	16.4
Women ..	15.8	15.4	14.8	14.6	14.7	14.9	14.3	15.1	14.9	14.9	14.6	15.2	14.0
BLACK													
Civilian noninstitutional population ¹	19,222	19,303	19,387	19,481	19,543	19,620	19,701	19,790	19,863	19,945	20,028	20,120	20,218
Civilian labor force	11,827	11,916	12,135	12,251	12,308	12,307	12,369	12,473	12,589	12,707	12,605	12,715	12,877
Percent of population ..	61.5	61.7	62.6	62.9	63.0	62.7	62.8	63.0	63.4	63.7	62.9	63.2	63.7
Employed	9,847	10,017	10,210	10,403	10,398	10,469	10,544	10,592	10,732	10,822	10,779	10,924	11,051
Employment-population ratio ² ..	51.2	51.9	52.7	53.4	53.2	53.4	53.5	53.5	54.0	54.3	53.8	54.3	54.7
Unemployed	1,980	1,899	1,925	1,848	1,910	1,838	1,824	1,881	1,857	1,885	1,826	1,791	1,827
Unemployment rate ..	16.7	15.9	15.9	15.1	15.5	14.9	14.7	15.1	14.7	14.8	14.5	14.1	14.2
Men, 20 years and over													
Civilian labor force	5,662	5,633	5,706	5,738	5,717	5,714	5,766	5,795	5,886	5,925	5,910	5,938	5,998
Percent of population ..	75.2	74.4	74.9	74.8	74.5	74.1	74.4	74.4	75.0	75.1	74.6	74.6	74.9
Employed	4,812	4,797	4,883	4,995	4,941	4,964	5,040	5,022	5,123	5,156	5,132	5,189	5,283
Employment-population ratio ² ..	63.9	63.3	64.1	65.1	64.4	64.4	65.0	64.4	65.3	65.4	64.8	65.2	66.0
Unemployed	850	836	823	744	776	751	726	773	763	770	778	748	715
Unemployment rate ..	15.0	14.8	14.4	13.0	13.6	13.1	12.6	13.3	13.0	13.0	13.2	12.6	11.9
Women, 20 years and over													
Civilian labor force	5,381	5,477	5,568	5,654	5,695	5,720	5,714	5,779	5,788	5,859	5,854	5,920	6,000
Percent of population ..	56.6	57.3	57.9	58.5	58.7	58.7	58.3	58.7	58.6	59.1	58.7	59.1	59.6
Employed	4,606	4,751	4,830	4,906	4,934	4,975	4,959	5,042	5,073	5,119	5,133	5,187	5,229
Employment-population ratio ² ..	48.4	49.7	50.2	50.7	50.9	51.0	50.6	51.2	51.4	51.6	51.5	51.8	52.0
Unemployed	775	726	738	748	761	745	755	736	715	740	721	733	771
Unemployment rate ..	14.4	13.3	13.3	13.2	13.4	13.0	13.2	12.7	12.4	12.6	12.3	12.4	12.9

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	785	805	861	859	896	873	888	900	915	922	842	858	879
Percent of population	35.9	37.1	40.0	40.2	41.2	40.4	41.2	41.9	42.8	43.2	39.4	40.1	40.9
Employed	429	468	497	503	523	531	545	528	537	547	514	548	539
Employment-population ratio ²	19.6	21.6	23.1	23.5	24.1	24.5	25.3	24.6	25.1	25.6	24.1	25.6	25.1
Unemployed	356	337	364	356	373	342	343	372	378	375	327	310	340
Unemployment rate	45.4	41.9	42.3	41.5	41.6	39.2	38.6	41.3	41.3	40.7	38.9	36.1	38.7
Men	45.2	41.5	41.5	42.9	41.8	40.0	39.7	42.4	41.1	40.5	39.3	36.3	37.1
Women	45.6	42.3	43.1	39.9	41.4	38.3	37.3	40.2	41.6	40.9	38.4	35.9	40.4
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	11,311	11,423	11,533	11,643	11,753	11,862	11,969	12,075	12,184	12,290	12,397	12,504	12,692
Civilian labor force	7,282	7,394	7,503	7,612	7,572	7,623	7,787	7,802	7,881	8,020	8,143	8,249	8,427
Percent of population	64.4	64.7	65.1	65.4	64.4	64.3	65.1	64.6	64.7	65.3	65.7	66.0	66.4
Employed	6,474	6,590	6,716	6,813	6,797	6,816	6,968	6,960	7,027	7,163	7,268	7,409	7,607
Employment-population ratio ²	57.2	57.7	58.2	58.5	57.8	57.5	58.2	57.6	57.7	58.3	58.6	59.3	59.9
Unemployed	808	804	787	799	776	807	819	842	855	857	876	839	820
Unemployment rate	11.1	10.9	10.5	10.5	10.2	10.6	10.5	10.8	10.8	10.7	10.8	10.2	9.7

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Employed and unemployed full- and part-time workers by sex, and age, seasonally adjusted

(In thousands)

Full- and part- time status, sex, and age	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
EMPLOYED													
Full-time workers	85,189	86,488	86,967	87,461	88,040	88,461	88,422	89,252	89,786	90,131	90,892	91,276	92,020
Men, 16 years and over	52,360	53,065	53,336	53,526	53,580	53,855	53,869	54,151	54,545	54,518	54,757	54,925	55,383
Men, 20 years and over	50,930	51,580	51,888	52,083	52,127	52,362	52,461	52,749	53,181	53,136	53,367	53,585	54,036
Women, 16 years and over	32,857	33,454	33,638	33,947	34,418	34,591	34,564	35,118	35,218	35,615	36,154	36,388	36,580
Women, 20 years and over	31,805	32,408	32,543	32,857	33,327	33,535	33,492	34,059	34,194	34,541	35,122	35,378	35,538
Both sexes, 16 to 19 years	2,454	2,500	2,537	2,522	2,586	2,564	2,469	2,444	2,411	2,454	2,402	2,313	2,447
Part-time workers	18,448	18,518	18,376	18,490	18,590	18,372	18,736	18,767	18,957	19,102	19,027	19,187	19,234
Men, 16 years and over	6,077	5,987	5,952	6,067	6,018	5,956	6,082	6,056	6,137	6,215	6,178	6,299	6,258
Men, 20 years and over	4,202	4,119	4,085	4,166	4,114	4,089	4,163	4,183	4,247	4,291	4,186	4,277	4,288
Women, 16 years and over	12,368	12,513	12,441	12,441	12,562	12,395	12,664	12,729	12,814	12,869	12,856	12,910	12,971
Women, 20 years and over	10,323	10,419	10,381	10,422	10,496	10,405	10,637	10,662	10,717	10,786	10,744	10,733	10,891
Both sexes, 16 to 19 years	3,923	3,980	3,910	3,902	3,980	3,878	3,937	3,922	3,993	4,025	4,097	4,177	4,055
UNEMPLOYED													
Looking for full-time work	7,374	6,975	6,942	6,887	6,896	6,783	6,778	6,705	6,759	6,827	6,647	6,609	6,432
Men, 16 years and over	4,375	4,110	4,074	3,999	3,942	3,940	3,924	3,889	3,863	3,990	3,901	3,907	3,770
Men, 20 years and over	3,898	3,654	3,616	3,520	3,529	3,503	3,446	3,427	3,484	3,525	3,495	3,535	3,392
Women, 16 years and over	2,996	2,894	2,878	2,905	2,901	2,870	2,874	2,834	2,844	2,858	2,755	2,717	2,605
Women, 20 years and over	2,628	2,524	2,534	2,543	2,568	2,554	2,550	2,476	2,519	2,529	2,435	2,388	2,325
Both sexes, 16 to 19 years	849	797	792	825	799	726	782	802	755	772	717	685	716
Looking for part-time work	1,490	1,484	1,519	1,431	1,510	1,555	1,511	1,503	1,495	1,544	1,559	1,520	1,521
Men, 16 years and over	633	622	582	574	590	618	578	598	578	624	636	619	618
Men, 20 years and over	256	252	235	245	236	252	230	226	225	244	251	253	257
Women, 16 years and over	867	868	925	857	925	939	921	911	919	926	904	915	902
Women, 20 years and over	523	538	580	561	581	611	603	577	565	564	579	551	550
Both sexes, 16 to 19 years	711	694	704	626	693	692	678	700	706	736	728	715	715

NOTE: Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full

or part time; unemployed persons are classified according to whether they are seeking full- or part-time jobs.

A-46. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420	111,254
Married men, spouse present	38,778	39,016	39,165	39,271	39,392	39,163	39,139	39,307	39,439	39,566	39,687	39,942	40,038
Married women, spouse present	25,178	25,696	25,717	25,928	26,090	26,134	26,375	26,718	26,759	27,086	27,370	27,352	27,769
Women who maintain families	5,371	5,549	5,528	5,418	5,561	5,639	5,601	5,590	5,727	5,751	5,857	6,021	5,942
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,497	1,566	1,554	1,603	1,581	1,579	1,484	1,514	1,603	1,512	1,511	1,588	1,679
Self-employed workers	1,592	1,546	1,563	1,517	1,507	1,472	1,445	1,415	1,459	1,477	1,427	1,425	1,414
Unpaid family workers	212	219	214	209	225	189	175	165	164	171	168	171	137
Nonagricultural industries:													
Wage and salary workers	92,230	93,503	93,912	94,591	95,262	95,517	95,968	96,747	97,638	98,073	98,530	98,960	99,710
Government	15,700	15,759	15,757	15,860	15,921	15,974	16,042	16,182	16,216	16,314	16,454	16,388	16,504
Private industries	76,529	77,744	78,154	78,732	79,341	79,543	79,926	80,566	81,422	81,759	82,076	82,572	83,207
Private households	1,205	1,305	1,200	1,243	1,297	1,223	1,266	1,211	1,227	1,279	1,239	1,196	1,233
Other industries	75,325	76,439	76,954	77,489	78,044	78,320	78,660	79,354	80,195	80,480	80,837	81,376	81,973
Self-employed workers	7,832	7,843	7,749	7,706	7,778	7,751	7,780	7,920	7,706	7,753	7,971	8,076	8,143
Unpaid family workers	336	340	322	341	328	297	280	251	258	241	268	252	258
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,864	5,706	5,673	5,722	5,581	5,646	5,635	5,493	5,515	5,739	5,486	5,633	5,580
Slack work	2,472	2,301	2,387	2,544	2,444	2,539	2,444	2,298	2,371	2,525	2,454	2,478	2,483
Could only find part-time work	3,076	3,035	2,870	2,842	2,795	2,771	2,833	2,881	2,834	2,859	2,725	2,802	2,740
Voluntary part time	13,009	13,317	13,148	13,191	13,449	13,299	13,566	13,653	13,818	13,965	13,957	14,025	14,133
Nonagricultural industries:													
Part time for economic reasons	5,645	5,457	5,440	5,498	5,319	5,370	5,369	5,271	5,269	5,486	5,265	5,370	5,275
Slack work	2,340	2,169	2,241	2,400	2,270	2,362	2,290	2,174	2,211	2,391	2,305	2,322	2,280
Could only find part-time work	2,986	2,944	2,794	2,768	2,709	2,693	2,735	2,784	2,753	2,761	2,666	2,710	2,645
Voluntary part time	12,532	12,848	12,691	12,731	12,984	12,836	13,129	13,212	13,364	13,518	13,568	13,586	13,676

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-47. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420	111,254
16 to 24 years	20,499	20,806	20,609	20,699	20,635	20,417	20,325	20,309	20,385	20,253	20,237	20,186	20,214
16 to 19 years	6,410	6,503	6,434	6,446	6,570	6,414	6,394	6,376	6,422	6,470	6,492	6,512	6,522
16 to 17 years	2,339	2,409	2,414	2,459	2,546	2,455	2,491	2,484	2,562	2,614	2,623	2,693	2,709
18 to 19 years	4,080	4,088	4,012	3,985	4,020	3,954	3,896	3,900	3,862	3,845	3,846	3,830	3,823
20 to 24 years	14,090	14,302	14,175	14,252	14,065	14,003	13,931	13,933	13,963	13,783	13,746	13,673	13,692
25 years and over	83,184	84,230	84,756	85,228	85,994	86,402	86,888	87,652	88,371	88,984	89,773	90,215	91,040
25 to 54 years	68,899	69,990	70,547	71,054	71,630	72,100	72,671	73,388	74,109	74,585	75,398	75,950	76,602
55 years and over	14,266	14,228	14,222	14,198	14,340	14,281	14,222	14,303	14,232	14,373	14,387	14,304	14,413
Men, 16 years and over	58,466	59,038	59,276	59,590	59,650	59,799	59,942	60,191	60,712	60,724	60,931	61,203	61,685
16 to 24 years	10,827	11,009	10,833	10,912	10,773	10,725	10,621	10,567	10,679	10,527	10,562	10,527	10,528
16 to 19 years	3,313	3,357	3,292	3,341	3,403	3,360	3,297	3,262	3,285	3,307	3,353	3,343	3,364
16 to 17 years	1,225	1,235	1,234	1,283	1,316	1,295	1,292	1,298	1,319	1,358	1,360	1,372	1,392
18 to 19 years	2,089	2,119	2,050	2,056	2,069	2,071	2,005	1,972	1,976	1,948	1,980	1,982	1,973
20 to 24 years	7,514	7,652	7,541	7,571	7,370	7,364	7,323	7,304	7,394	7,220	7,209	7,184	7,164
25 years and over	47,654	48,026	48,441	48,666	48,891	49,067	49,327	49,613	50,050	50,187	50,378	50,665	51,179
25 to 54 years	39,203	39,646	40,037	40,314	40,413	40,628	40,882	41,176	41,623	41,737	42,019	42,271	42,667
55 years and over	8,436	8,376	8,410	8,367	8,458	8,432	8,442	8,462	8,407	8,443	8,361	8,421	8,491
Women, 16 years and over	45,207	46,008	46,083	46,348	46,971	47,029	47,251	47,782	48,040	48,525	49,049	49,217	49,569
16 to 24 years	9,673	9,796	9,776	9,786	9,862	9,692	9,704	9,742	9,707	9,726	9,676	9,658	9,686
16 to 19 years	3,097	3,146	3,142	3,105	3,168	3,054	3,097	3,114	3,138	3,163	3,139	3,169	3,158
16 to 17 years	1,115	1,174	1,180	1,176	1,229	1,160	1,198	1,185	1,244	1,256	1,262	1,321	1,318
18 to 19 years	1,991	1,969	1,963	1,929	1,951	1,884	1,891	1,929	1,906	1,898	1,866	1,849	1,850
20 to 24 years	6,576	6,650	6,634	6,681	6,695	6,638	6,608	6,628	6,569	6,563	6,537	6,489	6,528
25 years and over	35,530	36,204	36,315	36,561	37,103	37,335	37,561	38,039	38,322	38,797	39,395	39,549	39,860
25 to 54 years	29,696	30,344	30,511	30,739	31,217	31,472	31,789	32,212	32,486	32,849	33,379	33,679	33,935
55 years and over	5,830	5,852	5,811	5,830	5,882	5,848	5,780	5,841	5,826	5,930	6,026	5,883	5,922

A-48. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	8,868	8,472	8,445	8,321	8,407	8,347	8,274	8,214	8,256	8,379	8,191	8,138	7,948
16 to 24 years	3,478	3,336	3,311	3,222	3,261	3,186	3,159	3,216	3,129	3,206	3,082	3,004	3,021
16 to 19 years	1,559	1,502	1,487	1,451	1,490	1,429	1,448	1,505	1,458	1,518	1,434	1,407	1,424
16 to 17 years	676	643	645	618	666	657	639	685	672	684	650	654	682
18 to 19 years	891	859	828	838	832	771	797	825	795	832	772	757	751
20 to 24 years	1,919	1,834	1,825	1,771	1,771	1,757	1,710	1,711	1,671	1,688	1,647	1,598	1,597
25 years and over	5,397	5,132	5,128	5,102	5,153	5,147	5,119	4,999	5,133	5,157	5,122	5,129	4,936
25 to 54 years	4,727	4,469	4,482	4,427	4,551	4,527	4,502	4,401	4,521	4,611	4,544	4,550	4,458
55 years and over	671	673	654	652	604	637	625	577	612	567	574	567	479
Men, 16 years and over	4,999	4,707	4,649	4,566	4,572	4,535	4,486	4,479	4,480	4,596	4,531	4,526	4,425
16 to 24 years	1,919	1,817	1,825	1,772	1,780	1,744	1,727	1,746	1,662	1,745	1,682	1,624	1,629
16 to 19 years	846	803	798	801	807	779	812	827	771	824	781	740	778
16 to 17 years	362	354	341	334	363	371	352	368	363	356	356	345	369
18 to 19 years	489	449	447	469	451	406	451	462	416	465	417	397	418
20 to 24 years	1,073	1,014	1,027	971	974	965	915	919	891	920	901	885	851
25 years and over	3,090	2,882	2,827	2,789	2,803	2,773	2,768	2,728	2,828	2,833	2,863	2,895	2,806
25 to 54 years	2,663	2,493	2,414	2,389	2,438	2,419	2,402	2,373	2,460	2,502	2,497	2,529	2,491
55 years and over	418	405	409	395	357	374	364	352	361	352	357	366	307
Women, 16 years and over	3,869	3,765	3,796	3,756	3,835	3,812	3,787	3,736	3,775	3,783	3,659	3,612	3,523
16 to 24 years	1,560	1,518	1,486	1,451	1,481	1,442	1,432	1,470	1,467	1,461	1,400	1,380	1,391
16 to 19 years	714	699	688	651	684	650	637	678	687	694	653	667	646
16 to 17 years	314	288	304	284	303	285	288	317	309	328	294	309	313
18 to 19 years	401	410	381	368	381	365	346	363	378	368	355	360	333
20 to 24 years	846	819	798	800	797	792	795	792	780	767	747	713	745
25 years and over	2,307	2,250	2,301	2,312	2,350	2,374	2,352	2,271	2,304	2,324	2,259	2,234	2,130
25 to 54 years	2,065	1,976	2,068	2,038	2,113	2,108	2,100	2,028	2,061	2,108	2,047	2,020	1,967
55 years and over	253	268	246	257	247	263	261	225	251	215	217	201	173

A-49. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over ..	7.9	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.1	6.9	6.9	6.7
16 to 24 years	14.5	13.8	13.8	13.5	13.6	13.5	13.5	13.7	13.3	13.7	13.2	13.0	13.0
16 to 19 years	19.6	18.8	18.8	18.4	18.5	18.2	18.5	19.1	18.5	19.0	18.1	17.8	17.9
16 to 17 years	22.4	21.1	21.1	20.1	20.7	21.1	20.4	21.6	20.8	20.7	19.9	19.5	20.1
18 to 19 years	17.9	17.4	17.1	17.4	17.2	16.3	17.0	17.5	17.0	17.8	16.7	16.5	16.4
20 to 24 years	12.0	11.4	11.4	11.1	11.2	11.1	10.9	10.9	10.7	10.9	10.7	10.5	10.4
25 years and over	6.1	5.7	5.7	5.6	5.7	5.6	5.6	5.4	5.5	5.5	5.4	5.4	5.1
25 to 54 years	6.4	6.0	6.0	5.9	6.0	5.9	5.8	5.7	5.7	5.8	5.7	5.7	5.5
55 years and over ..	4.5	4.5	4.4	4.4	4.0	4.3	4.2	3.9	4.1	3.8	3.8	3.8	3.2
Men, 16 years and over ..	7.9	7.4	7.3	7.1	7.1	7.0	7.0	6.9	6.9	7.0	6.9	6.9	6.7
16 to 24 years	15.1	14.2	14.4	14.0	14.2	14.0	14.0	14.2	13.5	14.2	13.7	13.4	13.4
16 to 19 years	20.3	19.3	19.5	19.3	19.2	18.8	19.8	20.2	19.0	20.0	18.9	18.1	18.8
16 to 17 years	22.8	22.3	21.7	20.7	21.6	22.3	21.4	22.1	21.6	20.8	20.7	20.1	21.0
18 to 19 years	19.0	17.5	17.9	18.6	17.9	16.4	18.4	19.0	17.4	19.3	17.4	16.7	17.5
20 to 24 years	12.5	11.7	12.0	11.4	11.7	11.6	11.1	11.2	10.8	11.3	11.1	11.0	10.6
25 years and over	6.1	5.7	5.5	5.4	5.4	5.3	5.3	5.2	5.3	5.3	5.4	5.4	5.2
25 to 54 years	6.4	5.9	5.7	5.6	5.7	5.6	5.5	5.4	5.6	5.7	5.6	5.6	5.5
55 years and over ..	4.7	4.6	4.6	4.5	4.1	4.2	4.1	4.0	4.1	4.0	4.1	4.2	3.5
Women, 16 years and over ..	7.9	7.6	7.6	7.5	7.5	7.5	7.4	7.3	7.3	7.2	6.9	6.8	6.6
16 to 24 years	13.9	13.4	13.2	12.9	13.1	12.9	12.9	13.1	13.1	13.1	12.6	12.5	12.6
16 to 19 years	18.7	18.2	18.0	17.3	17.8	17.6	17.1	17.9	18.0	18.0	17.2	17.4	17.0
16 to 17 years	22.0	19.7	20.5	19.5	19.8	19.7	19.4	21.1	19.9	20.7	18.9	19.0	19.2
18 to 19 years	16.8	17.2	16.3	16.0	16.4	16.2	15.5	15.8	16.6	16.2	16.0	16.3	15.2
20 to 24 years	11.4	11.0	10.7	10.7	10.6	10.7	10.7	10.7	10.6	10.5	10.3	9.9	10.2
25 years and over	6.1	5.9	6.0	5.9	6.0	6.0	5.9	5.6	5.7	5.7	5.4	5.3	5.1
25 to 54 years	6.5	6.1	6.3	6.2	6.3	6.3	6.2	5.9	6.0	6.0	5.8	5.7	5.5
55 years and over ..	4.2	4.4	4.1	4.2	4.0	4.3	4.3	3.7	4.1	3.5	3.5	3.3	2.8

A-50. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total (all civilian workers) ..	7.9	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.1	6.9	6.9	6.7
Men, 20 years and over	7.0	6.6	6.4	6.3	6.3	6.2	6.1	6.0	6.1	6.2	6.1	6.1	5.9
Women, 20 years and over ..	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.4	6.4	6.1	6.0	5.8
Both sexes, 16 to 19 years ..	19.6	18.8	18.8	18.4	18.5	18.2	18.5	19.1	18.5	19.0	18.1	17.8	17.9
White	6.8	6.4	6.3	6.3	6.3	6.3	6.2	6.0	6.1	6.1	6.0	6.0	5.7
Black and other	15.3	14.3	14.3	13.7	14.1	13.5	13.3	13.7	13.3	13.5	13.0	12.6	12.7
Black	16.7	15.9	15.9	15.1	15.5	14.9	14.7	15.1	14.7	14.8	14.5	14.1	14.2
Hispanic origin ..	11.1	10.9	10.5	10.5	10.2	10.6	10.5	10.8	10.8	10.7	10.8	10.2	9.7
Married men, spouse present	4.8	4.6	4.5	4.5	4.4	4.3	4.3	4.3	4.4	4.4	4.3	4.5	4.2
Married women, spouse present ...	5.9	5.7	5.8	5.6	5.6	5.8	5.6	5.4	5.4	5.3	5.1	4.9	4.7
Women who maintain families ..	10.8	10.0	9.9	10.5	10.4	10.4	10.7	10.1	10.0	9.9	9.8	9.5	9.7
Full-time workers ..	7.6	7.2	7.1	7.0	7.0	6.8	6.8	6.7	6.7	6.8	6.6	6.5	6.3
Part-time workers	9.4	9.3	9.5	9.0	9.3	9.7	9.3	9.1	9.0	9.2	9.2	9.0	9.0
Unemployed 15 weeks and over ¹ ..	2.7	2.5	2.3	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8
Labor force time lost ² ..	9.0	8.6	8.4	8.4	8.2	8.2	8.1	7.9	8.0	8.1	7.8	7.7	7.5
INDUSTRY													
Nonagricultural private wage and salary workers ..	7.8	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	7.1	7.0	6.9	6.6
Mining	11.4	8.5	9.1	11.0	10.7	9.4	9.2	8.6	10.2	14.5	15.7	14.4	12.0
Construction	14.5	14.9	14.2	13.7	13.3	12.7	13.5	13.1	12.9	12.5	12.8	14.2	12.1
Manufacturing	7.9	7.4	7.4	7.2	7.7	7.8	7.8	7.5	7.2	7.2	6.9	7.1	6.9
Durable goods	7.8	7.2	6.8	7.0	7.4	7.8	7.8	7.4	7.1	7.1	6.7	6.7	6.8
Nondurable goods	7.9	7.6	8.2	7.5	8.0	7.8	7.8	7.6	7.3	7.3	7.3	7.6	7.0
Transportation and public utilities	5.6	5.4	5.8	5.3	5.1	5.2	5.1	5.2	5.2	5.4	5.0	4.7	4.4
Wholesale and retail trade	8.4	8.0	7.8	7.7	7.7	7.5	7.7	7.7	7.6	7.9	7.6	7.3	7.3
Finance and service industries	6.3	5.7	5.8	5.9	5.8	5.8	5.5	5.4	5.6	5.6	5.6	5.3	5.1
Agricultural wage and salary workers ..	14.8	13.1	13.5	12.6	14.0	12.5	13.4	12.3	12.4	14.0	12.5	11.2	11.2

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-51. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
DURATION													
Less than 5 weeks	3,326	3,264	3,422	3,402	3,561	3,502	3,486	3,444	3,481	3,530	3,417	3,385	3,386
5 to 14 weeks	2,523	2,370	2,467	2,431	2,517	2,510	2,517	2,494	2,582	2,657	2,484	2,522	2,485
15 weeks and over	3,046	2,781	2,597	2,449	2,365	2,325	2,281	2,231	2,231	2,220	2,298	2,185	2,127
15 to 26 weeks	1,155	1,112	1,075	1,036	1,020	1,037	1,036	998	1,074	1,028	1,079	1,006	992
27 weeks and over	1,890	1,669	1,522	1,413	1,345	1,288	1,245	1,233	1,156	1,192	1,220	1,179	1,135
Average (mean) duration, in weeks	19.5	18.6	17.4	16.8	16.0	15.7	15.4	15.4	14.9	14.9	15.4	15.0	14.8
Median duration, in weeks	8.6	8.3	7.4	7.2	7.0	6.8	7.0	6.9	6.8	6.9	7.1	7.0	6.8
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	37.4	38.8	40.3	41.1	42.2	42.0	42.1	42.2	42.0	42.0	41.7	41.8	42.3
5 to 14 weeks	28.4	28.2	29.1	29.4	29.8	30.1	30.4	30.5	31.1	31.6	30.3	31.2	31.1
15 weeks and over	34.2	33.1	30.6	29.6	28.0	27.9	27.5	27.3	26.9	26.4	28.0	27.0	26.6
15 to 26 weeks	13.0	13.2	12.7	12.5	12.1	12.4	12.5	12.2	13.0	12.2	13.2	12.4	12.4
27 weeks and over	21.3	19.8	17.9	17.1	15.9	15.4	15.0	15.1	13.9	14.2	14.9	14.6	14.2

A-52. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
NUMBER OF UNEMPLOYED													
Job losers	4,722	4,375	4,295	4,228	4,225	4,082	4,194	4,043	4,053	4,174	3,977	3,940	3,877
On layoff	1,235	1,157	1,164	1,109	1,178	1,136	1,155	1,154	1,141	1,083	1,041	1,074	1,042
Other job losers	3,487	3,219	3,131	3,119	3,047	2,947	3,040	2,889	2,912	3,091	2,936	2,866	2,835
Job leavers	786	799	844	862	858	893	878	883	984	1,020	1,019	1,040	979
Reentrants	2,183	2,146	2,227	2,192	2,258	2,306	2,233	2,228	2,181	2,165	2,183	2,109	2,069
New entrants	1,162	1,150	1,094	1,037	1,055	1,060	997	1,047	1,036	1,048	1,014	1,021	1,027
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	53.3	51.7	50.8	50.8	50.3	48.9	50.5	49.3	49.1	49.6	48.5	48.6	48.8
On layoff	13.9	13.7	13.8	13.3	14.0	13.6	13.9	14.1	13.8	12.9	12.7	13.2	13.1
Other job losers	39.4	38.0	37.0	37.5	36.3	35.3	36.6	35.2	35.3	36.8	35.8	35.3	35.7
Job leavers	8.9	9.4	10.0	10.4	10.2	10.7	10.6	10.8	11.9	12.1	12.4	12.8	12.3
Reentrants	24.7	25.3	26.3	26.3	26.9	27.6	26.9	27.2	26.4	25.8	26.6	26.0	26.0
New entrants	13.1	13.6	12.9	12.5	12.6	12.7	12.0	12.8	12.6	12.5	12.4	12.6	12.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.2	3.9	3.8	3.7	3.7	3.5	3.6	3.5	3.5	3.5	3.4	3.3	3.3
Job leavers .....	.7	.7	.7	.8	.7	.8	.8	.8	.8	.9	.9	.9	.8
Reentrants	1.9	1.9	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7
New entrants	1.0	1.0	1.0	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-53. Persons not in the labor force by reason, sex, and race, seasonally adjusted

(In thousands)

Reason, sex, and race	1984				1985				1986				1987
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Total not in labor force	63,138	62,607	62,791	62,874	62,494	62,771	62,947	62,754	62,817	62,693	62,664	62,807	62,800
Do not want a job now	56,801	56,450	57,241	56,774	56,766	56,889	56,830	56,744	57,193	56,838	56,865	57,013	57,094
Current activity:													
Going to school	6,667	6,469	6,902	6,357	6,292	6,208	6,310	6,316	6,249	6,513	6,189	6,330	6,428
Ill health, disability	4,024	4,083	4,049	3,843	4,042	3,833	3,836	3,969	4,189	4,040	4,087	3,928	4,152
Keeping house	28,450	27,897	28,018	27,861	27,399	27,271	27,028	26,839	26,796	26,487	26,176	26,000	26,290
Retired	13,478	13,670	13,687	14,255	14,354	14,714	15,131	15,234	15,133	15,326	15,885	16,069	15,768
Other activity	4,182	4,331	4,585	4,458	4,679	4,863	4,525	4,386	4,826	4,471	4,528	4,686	4,456
Want a job now	6,254	6,018	5,917	6,041	5,880	5,808	6,020	5,961	5,789	5,882	5,980	5,808	5,823
Reason not looking:													
School attendance	1,536	1,626	1,478	1,483	1,446	1,460	1,417	1,483	1,416	1,379	1,578	1,427	1,342
Ill health, disability	744	822	809	819	763	813	780	854	835	898	903	746	842
Home responsibilities	1,483	1,219	1,449	1,347	1,231	1,265	1,395	1,360	1,365	1,311	1,203	1,347	1,222
Think cannot get a job	1,348	1,300	1,211	1,272	1,253	1,170	1,230	1,158	1,107	1,119	1,150	1,127	1,168
Job-market factors	937	947	867	928	858	822	813	792	765	761	736	851	756
Personal factors	411	353	344	344	395	348	417	365	343	358	414	277	412
Other reasons ¹	1,142	1,051	969	1,120	1,186	1,100	1,197	1,107	1,065	1,175	1,145	1,160	1,249
Men													
Total not in labor force	19,806	19,734	19,776	19,814	19,921	20,011	20,136	20,155	20,225	20,347	20,460	20,454	20,408
Do not want a job now	17,656	17,640	17,895	17,801	18,059	17,972	18,093	18,143	18,350	18,441	18,382	18,454	18,434
Want a job now	2,072	2,034	1,918	1,986	1,936	2,006	2,003	1,995	1,940	1,948	2,087	2,026	2,005
Reason not looking:													
School attendance	814	803	717	744	692	732	667	709	726	667	824	680	652
Ill health, disability	363	362	383	386	362	348	361	401	364	471	438	359	396
Think cannot get a job	500	503	475	476	507	513	499	492	438	392	425	497	490
Other reasons ¹	395	365	343	380	375	414	477	393	412	418	399	490	467
Women													
Total not in labor force	43,333	42,872	43,016	43,060	42,573	42,761	42,810	42,598	42,593	42,346	42,204	42,354	42,392
Do not want a job now	39,145	38,810	39,346	38,973	38,707	38,917	38,737	38,601	38,843	38,396	38,482	38,559	38,660
Want a job now	4,182	3,984	3,999	4,055	3,943	3,802	4,016	3,966	3,849	3,933	3,893	3,782	3,818
Reason not looking:													
School attendance	722	823	761	740	754	728	749	774	690	711	754	747	690
Ill health, disability	381	459	426	433	401	465	420	453	471	426	465	387	447
Home responsibilities	1,483	1,219	1,449	1,347	1,231	1,265	1,395	1,360	1,365	1,311	1,203	1,347	1,222
Think cannot get a job	848	797	736	795	746	658	731	666	669	727	725	630	678
Other reasons ¹	748	686	626	740	811	686	721	713	653	757	746	670	782
White													
Total not in labor force	54,115	53,608	53,894	53,854	53,601	53,807	53,937	53,668	53,767	53,674	53,511	53,564	53,623
Do not want a job now	49,594	49,341	49,593	49,514	49,219	49,641	49,426	49,317	49,506	49,387	49,208	49,367	49,450
Want a job now	4,472	4,255	4,212	4,367	4,373	4,245	4,430	4,382	4,265	4,352	4,298	4,217	4,195
Reason not looking:													
School attendance	1,088	1,120	1,014	1,042	1,054	1,010	1,026	1,052	994	975	1,065	975	933
Ill health, disability	560	561	587	592	551	560	588	604	625	618	625	536	611
Home responsibilities	1,071	882	1,063	1,027	942	1,003	1,036	1,009	1,020	1,032	898	975	907
Think cannot get a job	900	829	774	781	878	764	790	808	749	741	780	817	800
Other reasons ¹	853	862	774	926	948	908	990	910	876	985	931	914	944
Black													
Total not in labor force	7,395	7,387	7,252	7,230	7,235	7,313	7,332	7,317	7,274	7,238	7,423	7,405	7,341
Do not want a job now	5,854	5,859	5,772	5,748	5,901	5,934	5,948	5,930	5,947	5,937	6,027	6,020	5,945
Want a job now	1,585	1,531	1,446	1,485	1,354	1,383	1,332	1,397	1,353	1,299	1,425	1,423	1,436
Reason not looking:													
School attendance	400	428	354	374	369	398	319	348	386	333	460	381	353
Ill health, disability	181	214	214	209	215	211	191	235	211	220	248	192	229
Home responsibilities	349	296	337	282	253	264	301	295	287	270	263	318	287
Think cannot get a job	409	418	368	459	351	355	350	345	321	296	275	291	342
Other reasons ¹	246	175	174	160	166	156	171	174	147	180	179	241	224

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-54. Persons not in the labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age							
	1986	1987	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			1986	1987	1986	1987	1986	1987	1986	1987
TOTAL										
Total not in labor force	64,003	63,994	7,297	7,313	4,510	4,256	21,634	21,350	30,562	31,075
Do not want a job now	58,080	58,063	5,905	6,020	3,544	3,421	18,616	18,236	30,014	30,384
Current activity:										
Going to school	7,879	8,098	5,237	5,358	1,679	1,700	934	1,026	29	12
Ill, disabled	4,205	4,187	37	40	118	109	1,989	1,960	2,061	2,080
Keeping house	26,697	26,168	280	331	1,355	1,239	12,755	12,402	12,307	12,195
Retired	15,192	15,828	-	-	-	-	360	448	14,833	15,379
Other activity	4,107	3,783	351	291	392	373	2,578	2,400	784	718
Want a job now	5,924	5,932	1,392	1,294	966	834	3,017	3,110	547	692
Reason for not looking:										
School attendance	1,648	1,557	1,138	1,016	266	220	239	311	5	12
Ill health, disability	797	804	19	13	65	36	537	562	176	192
Home responsibilities	1,366	1,225	85	72	314	250	937	864	31	38
Think cannot get a job	1,149	1,217	79	110	172	169	731	708	166	229
Job-market factors	815	805	49	60	140	121	535	527	89	97
Personal factors	334	411	28	49	32	50	197	180	77	132
Other reasons ¹	964	1,129	71	83	149	159	573	665	169	221
Men										
Total not in labor force	20,994	21,181	3,600	3,574	1,524	1,499	4,110	4,111	11,760	11,997
Do not want a job now	18,971	19,114	2,912	2,942	1,182	1,193	3,377	3,302	11,502	11,674
Current activity:										
Going to school	4,010	4,166	2,692	2,769	909	909	402	481	11	5
Ill, disabled	2,185	2,127	28	26	57	59	1,108	1,087	991	956
Keeping house	363	398	7	8	16	22	126	132	213	236
Retired	10,042	10,319	-	-	-	-	293	339	9,750	9,979
Other activity	2,370	2,104	185	139	200	203	1,448	1,263	537	498
Want a job now	2,023	2,068	689	632	343	304	732	807	260	319
Reason for not looking:										
School attendance	856	767	593	525	162	122	96	117	4	4
Ill health, disability	347	377	2	3	33	23	234	257	80	93
Think cannot get a job	448	501	47	72	74	93	246	241	82	94
Other reasons ¹	372	422	47	32	74	66	156	192	94	131
Women										
Total not in labor force	43,010	42,813	3,697	3,739	2,986	2,757	17,524	17,239	18,802	19,078
Do not want a job now	39,109	38,949	2,994	3,080	2,362	2,226	15,239	14,934	18,514	18,708
Current activity:										
Going to school	3,867	3,932	2,546	2,590	771	789	534	545	17	6
Ill, disabled	2,020	2,059	10	14	59	50	879	872	1,071	1,124
Keeping house	26,334	25,770	272	324	1,339	1,218	12,628	12,271	12,094	11,959
Retired	5,151	5,509	-	-	-	-	68	109	5,083	5,399
Other activity	1,736	1,679	166	152	193	169	1,130	1,137	249	220
Want a job now	3,901	3,864	703	660	626	529	2,287	2,304	289	369
Reason not looking:										
School attendance	792	790	545	490	104	98	142	194	1	8
Ill health, disability	450	427	16	10	33	12	305	305	97	99
Home responsibilities	1,366	1,225	85	72	314	250	937	864	31	38
Think cannot get a job	701	716	32	37	100	76	486	468	84	134
Other reasons	593	707	25	51	75	93	417	473	76	90

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

NOTE: Detail in tables A-54 and A-55 may not add to not-in-labor-

force totals because of differences in the weighting patterns used in aggregating these data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-55. Persons not in the labor force by reason, race, Hispanic origin, age, and sex

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	1986	1987	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
WHITE												
Total not in labor force	54,712	54,566	9,131	8,855	18,145	17,856	27,436	27,854	17,696	17,781	37,015	36,785
Do not want a job now	50,367	50,290	7,463	7,389	15,933	15,620	26,969	27,280	16,183	16,334	34,183	33,956
Current activity:												
Going to school	6,156	6,286	5,434	5,487	693	786	26	11	3,141	3,242	3,015	3,044
Ill, disabled	3,424	3,337	136	112	1,578	1,522	1,710	1,704	1,787	1,711	1,637	1,626
Keeping house	23,786	23,332	1,358	1,326	11,288	10,925	11,141	11,080	292	321	23,494	23,011
Retired	13,731	14,268	-	-	340	420	13,392	13,847	9,101	9,330	4,630	4,938
Other activity	3,269	3,067	535	464	2,034	1,967	700	638	1,862	1,730	1,407	1,337
Want a job now	4,346	4,275	1,668	1,469	2,213	2,235	467	572	1,513	1,447	2,833	2,829
Reason for not looking:												
School attendance	1,127	1,058	974	836	151	212	3	10	607	505	519	553
Ill health, disability	592	579	73	33	379	401	140	147	282	297	311	282
Home responsibilities	1,025	912	299	224	702	661	24	28	-	-	1,025	913
Think cannot get a job	786	843	150	181	493	476	143	185	305	334	481	509
Other reasons ¹	816	883	172	195	488	485	157	202	319	311	497	572
BLACK												
Total not in labor force	7,498	7,571	2,152	2,194	2,684	2,670	2,663	2,707	2,667	2,747	4,831	4,824
Do not want a job now	6,115	6,116	1,519	1,594	2,006	1,924	2,593	2,600	2,232	2,227	3,880	3,889
Current activity:												
Going to school	1,248	1,295	1,110	1,156	137	141	2	-	620	636	628	660
Ill, disabled	694	771	12	35	368	402	316	336	354	379	340	392
Keeping house	2,244	2,156	234	222	1,032	995	978	940	56	62	2,186	2,095
Retired	1,244	1,298	-	-	14	25	1,231	1,272	790	828	454	469
Other activity	684	596	163	181	455	361	66	52	412	322	272	273
Want a job now	1,384	1,454	632	599	679	747	69	106	435	518	950	934
Reason for not looking:												
School attendance	456	414	399	348	57	63	-	2	211	208	245	205
Ill health, disability	189	208	11	19	144	144	33	44	56	71	133	137
Home responsibilities	293	289	87	92	197	187	8	11	-	-	293	289
Think cannot get a job	325	344	90	92	213	216	20	35	124	154	201	190
Other reasons ¹	122	198	45	48	68	137	8	14	44	85	78	113
HISPANIC ORIGIN												
Total not in labor force	4,390	4,371	1,315	1,258	1,967	2,030	1,109	1,083	1,206	1,200	3,184	3,171
Do not want a job now	3,874	3,768	1,042	1,026	1,745	1,707	1,084	1,034	1,037	998	2,836	2,771
Current activity:												
Going to school	722	730	651	638	67	89	3	3	348	353	374	378
Ill, disabled	322	299	15	18	193	175	115	105	197	158	126	141
Keeping house	2,043	2,020	283	331	1,309	1,281	448	407	12	42	2,030	1,978
Retired	502	495	-	-	8	5	493	490	313	306	188	189
Other activity	285	224	93	39	168	157	25	29	167	139	118	85
Want a job now	517	602	273	232	222	322	25	49	168	202	347	400
Reason for not looking:												
School attendance	123	130	108	99	15	30	-	-	59	60	64	70
Ill health, disability	73	67	29	-	30	51	14	16	31	36	41	31
Home responsibilities	160	158	70	57	92	101	-	1	-	-	160	158
Think cannot get a job	106	159	38	46	61	92	7	21	51	83	55	76
Other reasons ¹	55	88	28	30	24	48	4	11	7	23	27	65

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

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	1st Quarter 1987							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
TOTAL								
Personal factors:								
Employers think too young or old	154	7	3	26	117	131	19	9
Lacks education or training	165	34	35	92	5	115	48	31
Other personal handicap	92	8	12	62	10	73	17	10
Job-market factors:								
Could not find work	457	31	73	312	42	268	177	78
Thinks no job available	348	29	48	215	55	257	83	31
Men								
Personal factors:								
Employers think too young or old	61	5	3	12	41	53	4	6
Lacks education or training	71	21	24	28	-	40	31	16
Other personal handicap	26	4	3	14	5	21	6	3
Job-market factors:								
Could not find work	197	23	39	118	17	101	92	35
Thinks no job available	145	20	25	69	31	120	20	24
Women								
Personal factors:								
Employers think too young or old	93	3	-	15	76	78	15	3
Lacks education or training	94	14	11	64	5	75	17	16
Other personal handicap	66	4	9	48	5	52	11	7
Job-market factors:								
Could not find work	260	8	34	195	24	167	85	44
Thinks no job available	202	9	24	146	24	137	63	6

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented

and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-57. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	1986	1987	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
TOTAL												
Do not intend to seek work	53,740	53,700	6,061	6,010	17,686	17,250	29,993	30,441	46,573	46,597	5,745	5,634
Intend to seek work in the next 12 months	10,262	10,292	5,745	5,557	3,947	4,101	569	634	8,138	7,968	1,753	1,936
Never worked	2,047	1,961	1,883	1,775	148	176	16	9	1,474	1,346	511	533
Last worked over 5 years ago	1,180	1,239	63	72	940	983	177	185	874	904	258	310
Last worked 1 to 5 years ago	2,096	2,197	656	629	1,283	1,359	156	209	1,653	1,696	349	410
Worked during previous 12 months	4,939	4,896	3,142	3,082	1,576	1,584	220	231	4,138	4,023	636	684
Men												
Do not intend to seek work	16,946	17,065	2,307	2,359	3,167	3,018	11,472	11,689	14,427	14,610	2,058	1,982
Intend to seek work in the next 12 months	4,047	4,115	2,817	2,714	942	1,092	288	308	3,269	3,170	609	764
Never worked	967	954	936	898	31	53	-	3	730	615	220	292
Last worked over 5 years ago	231	284	23	27	135	181	73	76	159	169	52	100
Last worked 1 to 5 years ago	608	647	228	221	303	320	77	105	495	509	70	100
Worked during previous 12 months	2,241	2,230	1,631	1,568	473	538	138	124	1,886	1,877	266	272
Women												
Do not intend to seek work	36,795	36,635	3,755	3,652	14,519	14,230	18,521	18,751	32,146	31,987	3,687	3,652
Intend to seek work in the next 12 months	6,215	6,177	2,930	2,844	3,005	3,008	281	325	4,869	4,798	1,144	1,172
Never worked	1,080	1,006	947	877	117	123	16	6	744	731	290	241
Last worked over 5 years ago	949	955	41	45	805	801	103	109	715	735	205	209
Last worked 1 to 5 years ago	1,488	1,550	431	410	979	1,039	79	104	1,158	1,187	279	310
Worked during previous 12 months	2,698	2,666	1,512	1,515	1,103	1,046	82	107	2,252	2,146	370	412

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-58. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987
TOTAL								
Civilian noninstitutional population	179,825	182,002	154,893	156,435	19,863	20,218	12,184	12,692
Civilian labor force	115,822	118,008	100,181	101,869	12,364	12,647	7,794	8,322
Percent of population	64.4	64.8	64.7	65.1	62.2	62.6	64.0	65.6
Employed	107,095	109,592	93,517	95,482	10,553	10,870	6,882	7,450
Agriculture	2,794	2,800	2,621	2,634	121	118	274	369
Nonagricultural industries	104,301	106,792	90,896	92,848	10,432	10,752	6,608	7,081
Unemployed	8,727	8,416	6,664	6,387	1,811	1,777	912	872
Unemployment rate	7.5	7.1	6.7	6.3	14.7	14.1	11.7	10.5
Not in labor force ..	64,003	63,994	54,712	54,566	7,498	7,571	4,390	4,371
Men, 16 years and over								
Civilian noninstitutional population ..	85,418	86,518	74,115	74,917	8,897	9,065	6,023	6,282
Civilian labor force	64,424	65,337	56,419	57,136	6,229	6,317	4,817	5,082
Percent of population ..	75.4	75.5	76.1	76.3	70.0	69.7	80.0	80.9
Employed	59,458	60,430	52,560	53,269	5,269	5,434	4,256	4,530
Agriculture	2,239	2,242	2,088	2,104	111	102	245	328
Nonagricultural industries ..	57,219	58,188	50,472	51,165	5,158	5,331	4,011	4,202
Unemployed	4,966	4,907	3,859	3,867	960	884	561	552
Unemployment rate ..	7.7	7.5	6.8	6.8	15.4	14.0	11.7	10.9
Not in labor force ..	20,994	21,181	17,696	17,781	2,667	2,747	1,206	1,200
Men, 20 years and over								
Civilian noninstitutional population ..	78,169	79,217	68,154	68,920	7,849	8,009	5,369	5,615
Civilian labor force	60,776	61,610	53,264	53,888	5,822	5,929	4,517	4,763
Percent of population ..	77.7	77.8	78.2	78.2	74.2	74.0	84.1	84.8
Employed	56,567	57,466	49,971	50,622	5,032	5,190	4,047	4,292
Agriculture	2,107	2,102	1,961	1,969	107	99	229	305
Nonagricultural industries ..	54,460	55,364	48,010	48,653	4,925	5,091	3,818	3,986
Unemployed	4,209	4,143	3,292	3,266	790	739	470	471
Unemployment rate ..	6.9	6.7	6.2	6.1	13.6	12.5	10.4	9.9
Not in labor force ..	17,394	17,607	14,890	15,031	2,027	2,080	852	853
Women, 16 years and over								
Civilian noninstitutional population ..	94,408	95,484	80,777	81,518	10,966	11,153	6,161	6,411
Civilian labor force	51,398	52,671	43,762	44,733	6,135	6,330	2,976	3,240
Percent of population ..	54.4	55.2	54.2	54.9	55.9	56.7	48.3	50.5
Employed	47,637	49,162	40,957	42,213	5,284	5,436	2,626	2,920
Agriculture	555	559	532	529	10	16	29	41
Nonagricultural industries ..	47,083	48,603	40,424	41,683	5,274	5,421	2,597	2,879
Unemployed	3,760	3,509	2,805	2,520	851	893	350	320
Unemployment rate ..	7.3	6.7	6.4	5.6	13.9	14.1	11.8	9.9
Not in labor force ..	43,010	42,813	37,015	36,785	4,831	4,824	3,184	3,171
Women, 20 years and over								
Civilian noninstitutional population ..	87,187	88,236	74,877	75,599	9,876	10,060	5,514	5,754
Civilian labor force	47,874	49,163	40,694	41,669	5,748	5,958	2,769	3,003
Percent of population ..	54.9	55.7	54.3	55.1	58.2	59.2	50.2	52.2
Employed	44,741	46,244	38,352	39,582	5,051	5,208	2,476	2,740
Agriculture	527	528	505	499	9	15	26	41
Nonagricultural industries ..	44,215	45,716	37,847	39,083	5,042	5,192	2,451	2,699
Unemployed	3,133	2,918	2,341	2,087	697	750	293	263
Unemployment rate ..	6.5	5.9	5.8	5.0	12.1	12.6	10.6	8.8
Not in labor force ..	39,313	39,074	34,183	33,929	4,128	4,102	2,745	2,750
Both sexes, 16 to 19 years								
Civilian noninstitutional population ..	14,469	14,548	11,862	11,917	2,138	2,149	1,300	1,323
Civilian labor force	7,172	7,236	6,223	6,312	794	760	507	556
Percent of population ..	49.6	49.7	52.5	53.0	37.1	35.4	39.0	42.0
Employed	5,787	5,882	5,193	5,278	470	472	359	418
Agriculture	160	170	155	166	5	4	19	22
Nonagricultural industries ..	5,627	5,711	5,038	5,112	466	468	339	396
Unemployed	1,385	1,354	1,030	1,034	324	288	149	138
Unemployment rate ..	19.3	18.7	16.6	16.4	40.8	37.9	29.3	24.8
Not in labor force ..	7,297	7,313	5,639	5,605	1,344	1,389	793	768

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented

and Hispanics are included in both the white and black population groups.

A-59. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1986	1987	1986	1987	1986	1987	1986	1987
TOTAL								
Civilian noninstitutional population	12,184	12,692	7,155	7,381	1,488	1,541	897	818
Civilian labor force	7,794	8,322	4,674	4,985	787	827	604	537
Percent of population	64.0	65.6	65.3	67.5	52.9	53.7	67.3	65.6
Employed	6,882	7,450	4,100	4,382	657	733	560	512
Agriculture	274	369	245	325	7	6	4	5
Nonagricultural industries	6,608	7,081	3,855	4,057	650	727	556	508
Unemployed	912	872	574	603	130	94	44	24
Unemployment rate	11.7	10.5	12.3	12.1	16.6	11.4	7.3	4.5
Not in labor force	4,390	4,371	2,480	2,396	700	714	294	282
Men, 16 years and over								
Civilian noninstitutional population	6,023	6,282	3,641	3,813	646	677	452	419
Civilian labor force	4,817	5,082	2,967	3,150	473	502	358	327
Percent of population	80.0	80.9	81.5	82.6	73.2	74.2	79.2	78.0
Employed	4,256	4,530	2,601	2,771	400	438	335	311
Agriculture	245	328	222	293	6	5	2	5
Nonagricultural industries	4,011	4,202	2,379	2,477	394	433	333	306
Unemployed	561	552	365	379	73	63	23	16
Unemployment rate	11.7	10.9	12.3	12.0	15.4	12.5	6.4	4.9
Not in labor force	1,206	1,200	675	663	173	175	94	92
Men, 20 years and over								
Civilian noninstitutional population	5,369	5,615	3,221	3,371	568	588	420	389
Civilian labor force	4,517	4,763	2,753	2,924	448	464	343	317
Percent of population	84.1	84.8	85.5	86.7	78.9	78.9	81.7	81.5
Employed	4,047	4,292	2,456	2,605	382	413	322	301
Agriculture	229	305	206	273	6	5	2	5
Nonagricultural industries	3,818	3,986	2,250	2,332	376	408	320	296
Unemployed	470	471	297	319	66	51	21	16
Unemployment rate	10.4	9.9	10.8	10.9	14.7	11.0	6.0	5.1
Not in labor force	852	853	468	446	119	124	78	72
Women, 16 years and over								
Civilian noninstitutional population	6,161	6,411	3,513	3,568	841	865	445	400
Civilian labor force	2,976	3,240	1,708	1,835	314	326	246	210
Percent of population	48.3	50.5	48.6	51.4	37.3	40.8	55.3	52.5
Employed	2,626	2,920	1,499	1,611	257	295	225	202
Agriculture	29	41	23	32	1	1	2	-
Nonagricultural industries	2,597	2,879	1,477	1,580	256	293	223	202
Unemployed	350	320	209	224	58	31	21	8
Unemployment rate	11.8	9.9	12.2	12.2	18.4	9.5	8.5	3.8
Not in labor force	3,184	3,171	1,805	1,733	527	539	200	190
Women, 20 years and over								
Civilian noninstitutional population	5,514	5,754	3,081	3,150	752	765	423	384
Civilian labor force	2,769	3,003	1,563	1,680	291	303	238	201
Percent of population	50.2	52.2	50.7	53.3	38.7	39.6	56.3	52.3
Employed	2,476	2,740	1,395	1,497	246	278	218	194
Agriculture	26	41	20	32	1	1	2	-
Nonagricultural industries	2,451	2,699	1,375	1,465	245	277	217	194
Unemployed	293	263	168	183	46	25	19	7
Unemployment rate	10.6	8.8	10.8	10.9	15.7	8.3	8.1	3.5
Not in labor force	2,745	2,750	1,518	1,470	461	461	186	182
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,300	1,323	853	860	168	188	54	46
Civilian labor force	507	556	359	380	47	59	24	18
Percent of population	39.0	42.0	42.1	44.2	28.0	31.4	(²)	(²)
Employed	359	418	250	280	29	42	19	17
Agriculture	19	22	19	19	-	-	-	-
Nonagricultural industries	339	396	231	260	29	41	19	17
Unemployed	149	138	109	101	19	18	4	1
Unemployment rate	29.3	24.8	30.4	26.5	(²)	(²)	(²)	(²)
Not in labor force	793	768	494	480	120	129	30	28

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Data not shown where base is less than 60,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-60. Employed civilians by selected social and economic categories, race, and Hispanic origin

(In thousands)

Category	Total		White		Black		Hispanic origin	
	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987
CHARACTERISTIC								
Total (all civilian workers)	107,095	109,592	93,517	95,482	10,553	10,870	6,882	7,450
Men	59,458	60,430	52,560	53,269	5,269	5,434	4,256	4,530
Women ..	47,637	49,162	40,957	42,213	5,284	5,436	2,626	2,920
OCCUPATION								
Managerial and professional specialty	26,297	27,360	23,925	24,821	1,592	1,628	908	958
Executive, administrative, and managerial ..	12,388	12,851	11,413	11,803	663	687	462	454
Professional specialty ..	13,908	14,509	12,512	13,018	930	941	446	504
Technical, sales, and administrative support ..	33,717	34,500	29,949	30,441	2,871	3,083	1,675	1,899
Technicians and related support ..	3,303	3,217	2,865	2,820	307	261	114	141
Sales occupations	12,750	13,154	11,726	12,000	711	798	601	679
Administrative support, including clerical ..	17,665	18,130	15,358	15,621	1,853	2,023	959	1,078
Service occupations ..	14,583	14,836	11,578	11,802	2,461	2,492	1,306	1,398
Private household ..	956	939	687	724	242	200	133	137
Protective service	1,773	1,872	1,487	1,539	256	300	107	118
Service, except private household and protective ..	11,854	12,025	9,404	9,539	1,964	1,992	1,065	1,143
Precision production, craft, and repair ..	12,969	13,219	11,707	11,941	962	973	973	1,030
Mechanics and repairers ..	4,336	4,439	3,937	4,003	306	345	275	308
Construction trades	4,592	4,755	4,203	4,372	313	317	367	362
Other precision production, craft, and repair ..	4,041	4,024	3,566	3,565	344	311	331	360
Operators, fabricators, and laborers	16,626	16,777	13,689	13,817	2,491	2,508	1,719	1,751
Machine operators, assemblers, and inspectors ..	7,782	7,662	6,390	6,223	1,118	1,141	929	876
Transportation and material moving occupations ..	4,352	4,570	3,674	3,846	609	656	314	357
Handlers, equipment cleaners, helpers, and laborers ..	4,492	4,545	3,625	3,747	764	710	475	518
Construction laborers	614	599	513	480	88	107	85	92
Other handlers, equipment cleaners, helpers, and laborers ..	3,878	3,946	3,112	3,267	676	604	391	426
Farming, forestry, and fishing ..	2,904	2,900	2,670	2,660	175	187	302	414
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers ..	1,334	1,401	1,202	1,282	100	93	247	320
Self-employed workers ..	1,331	1,290	1,291	1,245	21	25	26	45
Unpaid family workers	129	109	127	106			2	4
Nonagricultural industries:								
Wage and salary workers ..	96,484	98,549	83,681	85,227	10,067	10,372	6,215	6,657
Government	16,463	16,757	13,491	13,721	2,470	2,515	852	921
Private industries	80,021	81,792	70,191	71,506	7,597	7,857	5,363	5,735
Private households ..	1,135	1,141	814	874	290	244	147	157
Other industries	78,886	80,651	69,377	70,632	7,307	7,613	5,216	5,578
Self-employed workers ..	7,567	7,991	6,985	7,395	359	374	385	408
Unpaid family workers ..	251	252	229	225	6	5	8	16
FULL- AND PART-TIME STATUS¹								
Full-time schedules	86,100	88,174	75,015	76,608	8,621	8,889	5,674	6,135
Part time for economic reasons	5,393	5,451	4,377	4,437	847	857	518	547
Part time for noneconomic reasons ..	15,603	15,967	14,124	14,437	1,085	1,124	690	767

¹ Employed persons with a job but not at work are distributed according to whether they usually work full or part time.
NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-61. Employed civilians of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987
CHARACTERISTIC								
Total (all civilian workers)	6,882	7,450	4,100	4,382	657	733	560	512
Men	4,256	4,530	2,601	2,771	400	438	335	311
Women ..	2,626	2,920	1,499	1,611	257	295	225	202
OCCUPATION								
Managerial and professional specialty	908	958	445	489	89	101	123	109
Executive, administrative, and managerial ..	462	454	232	227	38	46	68	56
Professional specialty ..	446	504	214	263	51	55	56	53
Technical, sales, and administrative support ..	1,675	1,899	918	980	192	225	195	170
Technicians and related support ..	114	141	63	72	12	11	12	12
Sales occupations ..	601	679	327	345	71	63	79	77
Administrative support, including clerical ..	959	1,078	528	563	108	151	104	81
Service occupations ..	1,306	1,398	736	795	130	134	69	62
Private household ..	133	137	71	64	1	3	3	4
Protective service ..	107	118	64	76	22	19	8	6
Service, except private household and protective ..	1,065	1,143	601	655	108	112	58	52
Precision production, craft, and repair ..	973	1,030	638	664	76	96	69	70
Mechanics and repairers ..	275	308	170	187	20	38	23	28
Construction trades ..	367	362	251	250	26	32	21	22
Other precision production, craft, and repair ..	331	360	217	227	30	27	26	20
Operators, fabricators, and laborers ..	1,719	1,751	1,103	1,086	160	170	96	96
Machine operators, assemblers, and inspectors ..	929	876	567	517	94	75	53	48
Transportation and material moving occupations ..	314	357	207	214	30	39	21	31
Handlers, equipment cleaners, helpers, and laborers ..	475	518	329	355	36	56	23	18
Construction laborers ..	85	92	68	77	7	4	2	2
Other handlers, equipment cleaners, helpers, and laborers ..	391	426	262	277	29	52	21	16
Farming, forestry, and fishing ..	302	414	260	367	10	6	7	6
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers ..	247	320	226	291	7	6	2	1
Self-employed workers ..	26	45	18	31			2	3
Unpaid family workers ..	2	4	1	3			1	
Nonagricultural industries:								
Wage and salary workers ..	6,215	6,657	3,639	3,835	620	694	515	471
Government ..	852	921	514	599	107	116	51	43
Private industries ..	5,363	5,735	3,126	3,236	513	578	464	428
Private households ..	147	157	81	79	1	3	3	4
Other industries ..	5,216	5,578	3,045	3,157	512	575	461	424
Self-employed workers ..	385	408	212	211	30	33	39	35
Unpaid family workers ..	8	16	4	11	-	-	2	2
FULL- AND PART-TIME STATUS²								
Full-time schedules ..	5,674	6,135	3,375	3,546	556	630	476	443
Part time for economic reasons ..	518	547	352	395	38	30	20	17
Part time for noneconomic reasons ..	690	767	374	440	63	73	64	52

¹ Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

² Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-62. Employed civilians by sex, age, race, and Hispanic origin

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	i	i	i	i	i	i	i	i
	1986	1987	1986	1987	1986	1987	1986	1987
Total, 16 years and over ..	107,095	109,592	93,517	95,482	10,553	10,870	6,882	7,450
16 to 19 years	5,787	5,882	5,193	5,278	470	472	359	418
16 to 17 years ..	2,197	2,347	1,997	2,140	156	149	112	133
18 to 19 years ..	3,590	3,535	3,196	3,137	314	323	247	285
20 to 24 years	13,520	13,254	11,814	11,567	1,376	1,350	1,211	1,239
25 years and over ..	87,789	90,457	76,509	78,638	8,707	9,048	5,312	5,793
25 to 54 years	73,715	76,206	63,891	65,897	7,529	7,845	4,759	5,248
55 years and over ..	14,074	14,251	12,618	12,740	1,179	1,203	554	545
Men, 16 years and over ..	59,458	60,430	52,560	53,269	5,269	5,434	4,256	4,530
16 to 19 years	2,891	2,964	2,589	2,647	237	244	209	238
16 to 17 years ..	1,099	1,173	996	1,064	79	78	72	75
18 to 19 years ..	1,792	1,791	1,593	1,584	158	166	137	163
20 to 24 years	7,081	6,852	6,184	5,998	722	689	765	762
25 years and over ..	49,486	50,614	43,787	44,624	4,310	4,501	3,281	3,529
25 to 54 years	41,179	42,222	36,245	37,040	3,702	3,868	2,938	3,187
55 years and over ..	8,306	8,392	7,541	7,584	608	634	343	343
Women, 16 years and over ..	47,637	49,162	40,957	42,213	5,284	5,436	2,626	2,920
16 to 19 years	2,896	2,918	2,604	2,630	233	228	150	180
16 to 17 years ..	1,098	1,174	1,001	1,077	78	71	39	58
18 to 19 years ..	1,798	1,744	1,603	1,554	155	157	110	122
20 to 24 years	6,439	6,402	5,630	5,569	654	661	446	477
25 years and over ..	38,303	39,843	32,722	34,014	4,397	4,547	2,031	2,262
25 to 54 years	32,535	33,985	27,646	28,857	3,827	3,977	1,821	2,061
55 years and over ..	5,768	5,858	5,077	5,156	571	569	210	202

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-63. Unemployment rates by sex, age, race, and Hispanic origin

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	i	i	i	i	i	i	i	i
	1986	1987	1986	1987	1986	1987	1986	1987
Total, 16 years and over ..	7.5	7.1	6.7	6.3	14.7	14.1	11.7	10.5
16 to 19 years	19.3	18.7	16.6	16.4	40.8	37.9	29.3	24.8
16 to 17 years ..	21.5	20.7	19.0	18.5	42.9	43.9	34.8	28.8
18 to 19 years ..	17.9	17.3	14.9	14.8	39.6	34.7	26.5	22.8
20 to 24 years	11.5	11.3	9.7	9.4	24.8	24.7	13.9	12.8
25 years and over ..	6.0	5.6	5.4	5.0	10.6	10.4	9.7	8.7
25 to 54 years	6.2	6.0	5.6	5.3	11.2	11.0	9.7	8.6
55 years and over ..	4.6	3.6	4.4	3.3	6.4	6.2	9.0	9.2
Men, 16 years and over ..	7.7	7.5	6.8	6.8	15.4	14.0	11.7	10.9
16 to 19 years	20.7	20.5	18.0	18.5	41.8	37.3	30.4	25.5
16 to 17 years ..	23.2	22.4	20.9	20.6	43.0	43.7	32.6	26.2
18 to 19 years ..	19.1	19.1	16.0	17.0	41.2	33.8	29.1	25.2
20 to 24 years	12.3	12.2	10.7	10.7	24.0	23.2	13.8	12.7
25 years and over ..	6.1	5.9	5.5	5.4	11.5	10.6	9.6	9.3
25 to 54 years	6.4	6.3	5.7	5.8	12.2	11.0	9.5	9.2
55 years and over ..	4.8	4.0	4.5	3.6	7.5	7.7	10.0	9.2
Women, 16 years and over ..	7.3	6.7	6.4	5.6	13.9	14.1	11.8	9.9
16 to 19 years	17.8	16.8	15.1	14.1	39.7	38.5	27.8	23.8
16 to 17 years ..	19.7	18.9	17.0	16.4	42.9	44.1	38.6	31.9
18 to 19 years ..	16.6	15.4	13.9	12.5	37.9	35.6	22.9	19.3
20 to 24 years	10.6	10.2	8.5	8.0	25.7	26.3	14.0	12.9
25 years and over ..	5.8	5.2	5.3	4.5	9.7	10.2	9.8	7.9
25 to 54 years	6.1	5.6	5.5	4.8	10.3	10.9	9.9	7.8
55 years and over ..	4.4	3.0	4.3	2.7	5.1	4.4	7.9	8.6

A-64. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987
DURATION								
Total, 16 years and over	8,727	8,416	6,664	6,387	1,811	1,777	912	872
Less than 5 weeks	3,405	3,326	2,652	2,595	661	640	378	363
5 to 14 weeks	2,867	2,756	2,212	2,098	577	584	285	291
15 weeks and over	2,454	2,334	1,800	1,694	574	554	249	219
15 to 26 weeks	1,250	1,156	949	873	259	239	139	127
27 weeks and over	1,204	1,178	851	822	315	314	111	91
Average (mean) duration, in weeks	15.0	14.9	14.3	14.2	17.3	17.1	13.4	12.6
Median duration, in weeks	7.5	7.4	7.3	7.0	8.4	8.7	6.8	7.0
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	39.0	39.5	39.8	40.6	36.5	36.0	41.4	41.6
5 to 14 weeks	32.9	32.7	33.2	32.8	31.8	32.9	31.3	33.4
15 weeks and over	28.1	27.7	27.0	26.5	31.7	31.2	27.3	25.1
15 to 26 weeks	14.3	13.7	14.2	13.7	14.3	13.5	15.2	14.6
27 weeks and over	13.8	14.0	12.8	12.9	17.4	17.7	12.1	10.5

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-65. Unemployed persons by reason for unemployment, race, and Hispanic origin

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987	i 1986	i 1987
NUMBER OF UNEMPLOYED								
Total, 16 years and over	8,727	8,416	6,664	6,387	1,811	1,777	912	872
Job losers	4,642	4,453	3,678	3,471	852	852	512	517
On layoff	1,484	1,364	1,283	1,172	179	172	127	117
Other job losers	3,158	3,089	2,395	2,299	673	679	385	400
Job leavers	986	981	795	804	162	147	87	78
Reentrants	2,195	2,084	1,602	1,513	522	511	195	183
New entrants	904	898	590	600	276	268	116	94
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	53.2	52.9	55.2	54.3	47.0	47.9	56.2	59.3
On layoff	17.0	16.2	19.3	18.3	9.9	9.7	13.9	13.5
Other job losers	36.2	36.7	35.9	36.0	37.1	38.2	42.2	45.9
Job leavers	11.3	11.7	11.9	12.6	8.9	8.3	9.5	9.0
Reentrants	25.1	24.8	24.0	23.7	28.8	28.7	21.4	21.0
New entrants	10.4	10.7	8.9	9.4	15.2	15.1	12.8	10.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	4.0	3.8	3.7	3.4	6.9	6.7	6.6	6.2
Job leavers .....	.9	.8	.8	.8	1.3	1.2	1.1	.9
Reentrants	1.9	1.8	1.6	1.5	4.2	4.0	2.5	2.2
New entrants .....	.8	.8	.6	.6	2.2	2.1	1.5	1.1

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-66. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	1986	1987	Total		Employed		Unemployed			
			1986	1987	1986	1987	Number		Percent of labor force	
							1986	1987	1986	1987
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,700	7,804	7,144	7,221	6,706	6,815	438	406	6.1	5.6
30 to 44 years	6,416	6,275	6,127	6,001	5,737	5,656	390	345	6.4	5.7
30 to 34 years	1,253	1,007	1,181	947	1,072	853	109	94	9.2	9.9
35 to 39 years	3,134	2,781	3,014	2,672	2,817	2,524	197	148	6.5	5.6
40 to 44 years	2,029	2,487	1,932	2,382	1,848	2,279	84	103	4.4	4.3
45 years and over	1,284	1,529	1,017	1,220	970	1,159	48	61	4.7	5.0
NONVETERANS										
Total, 30 to 44 years	17,999	19,074	16,994	18,060	15,953	16,980	1,041	1,080	6.1	6.0
30 to 34 years	8,269	8,712	7,850	8,284	7,354	7,761	495	523	6.3	6.3
35 to 39 years	5,538	6,043	5,234	5,722	4,934	5,385	300	336	5.7	5.9
40 to 44 years	4,192	4,319	3,910	4,054	3,665	3,834	246	220	6.3	5.4

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-67. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	I	I	I	I	I	I	I	I	I	I	I	I
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
TOTAL, 30 to 44 years												
Civilian noninstitutional population	5,699	5,559	611	599	254	310	15,467	16,418	1,829	1,922	1,567	1,685
Civilian labor force	5,479	5,340	557	551	238	284	14,750	15,707	1,602	1,703	1,450	1,575
Employed	5,165	5,048	490	512	218	261	13,937	14,880	1,403	1,496	1,298	1,450
Unemployed	314	292	66	39	20	23	813	827	198	207	152	124
Unemployment rate	5.7	5.5	11.8	7.1	8.4	8.2	5.5	5.3	12.4	12.2	10.5	7.9
30 to 34 years												
Civilian noninstitutional population	1,087	851	145	130	64	65	7,117	7,532	857	885	712	759
Civilian labor force	1,040	808	126	117	55	54	6,836	7,229	757	802	665	710
Employed	959	733	101	103	45	48	6,448	6,824	661	704	603	660
Unemployed	81	74	24	15	10	7	388	405	95	98	62	50
Unemployment rate	7.8	9.2	19.0	12.6	(¹)	(¹)	5.7	5.6	12.5	12.2	9.3	7.0
35 to 39 years												
Civilian noninstitutional population	2,786	2,459	298	280	123	163	4,779	5,180	539	586	493	524
Civilian labor force	2,692	2,368	274	262	118	156	4,551	4,966	476	508	455	488
Employed	2,533	2,239	242	245	109	144	4,312	4,710	424	439	400	441
Unemployed	160	129	32	17	9	12	239	256	53	69	55	47
Unemployment rate	5.9	5.4	11.7	6.5	7.6	7.9	5.3	5.2	11.1	13.6	12.1	9.6
40 to 44 years												
Civilian noninstitutional population	1,826	2,250	168	189	67	82	3,571	3,706	433	451	362	402
Civilian labor force	1,747	2,165	157	171	65	74	3,363	3,512	369	394	330	377
Employed	1,673	2,076	147	164	64	69	3,177	3,346	318	353	295	349
Unemployed	73	89	10	7	1	5	186	166	50	41	35	28
Unemployment rate	4.2	4.1	6.4	4.1	1.5	6.2	5.5	4.7	13.6	10.3	10.6	7.4

¹ Data not shown where base is less than 60,000.

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who never served in the Armed Forces; published data are limited to those 30 to 44 years of age, the group that most closely corresponds to

the bulk of the Vietnam-era veteran population. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-68. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Type of family, race, and Hispanic origin	1986					1987				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			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										
Total families	62,944	6,482	31.5	68.5	58.7	63,778	6,230	30.9	69.1	58.7
With children under 18 years of age ..	31,498	3,812	35.0	65.0	55.4	31,647	3,627	33.6	66.4	56.2
Married-couple families	50,054	4,578	23.2	76.8	66.6	50,542	4,399	22.4	77.6	67.2
With children under 18 years of age ..	24,198	2,752	23.7	76.3	65.8	24,145	2,605	21.5	78.5	67.5
Families maintained by women	10,270	1,525	52.9	47.1	37.7	10,553	1,457	53.4	46.6	35.7
With children under 18 years of age ..	6,262	904	65.4	34.6	27.2	6,458	880	64.8	35.2	25.9
Families maintained by men	2,620	378	45.2	54.8	47.4	2,683	374	43.3	56.7	48.1
With children under 18 years of age ..	1,038	156	59.6	40.4	34.6	1,043	141	60.6	39.4	35.9
White										
Total families	54,456	5,044	29.3	70.7	60.3	55,043	4,817	28.4	71.6	60.9
With children under 18 years of age ..	26,501	2,950	32.0	68.0	57.8	26,507	2,776	30.1	69.9	59.2
Married-couple families	45,281	3,883	23.6	76.4	65.7	45,650	3,714	23.0	77.0	66.6
With children under 18 years of age ..	21,533	2,324	24.2	75.8	64.9	21,440	2,189	22.3	77.7	66.8
Families maintained by women	7,076	883	49.3	50.7	40.5	7,238	815	48.2	51.8	39.1
With children under 18 years of age ..	4,130	501	61.3	38.7	30.7	4,225	477	59.3	40.7	29.6
Families maintained by men	2,100	279	46.2	53.8	47.3	2,156	288	41.7	58.3	49.7
With children under 18 years of age ..	837	124	60.0	40.0	34.4	841	110	58.2	41.8	37.3
Black										
Total families	6,849	1,248	39.8	60.2	51.8	7,028	1,230	41.7	58.3	48.6
With children under 18 years of age ..	3,994	742	46.7	53.3	46.0	4,149	740	48.0	52.0	43.4
Married-couple families	3,484	554	20.4	79.6	72.3	3,540	541	19.6	80.4	69.3
With children under 18 years of age ..	1,832	333	19.2	80.8	72.7	1,887	322	17.7	82.3	71.1
Families maintained by women	2,952	608	57.4	42.6	33.7	3,049	610	60.3	39.7	31.0
With children under 18 years of age ..	1,997	380	70.3	29.7	22.9	2,089	389	71.5	28.5	21.3
Families maintained by men	413	85	41.2	58.8	48.2	439	79	49.4	50.6	43.0
With children under 18 years of age ..	165	28	(¹)	(¹)	(¹)	173	29	(¹)	(¹)	(¹)
Hispanic origin										
Total families	4,195	642	36.3	63.7	52.5	4,369	650	33.7	66.3	56.6
With children under 18 years of age ..	2,748	439	38.3	61.7	50.8	2,840	424	37.7	62.3	52.8
Married-couple families	2,925	458	29.3	70.7	57.8	3,072	456	27.4	72.6	62.9
With children under 18 years of age ..	1,971	337	30.3	69.7	58.5	2,030	317	28.9	71.1	60.7
Families maintained by women	978	136	57.4	42.6	33.8	1,007	132	51.5	48.5	37.9
With children under 18 years of age ..	674	81	66.7	33.3	24.7	706	78	64.6	35.4	26.6
Families maintained by men	292	49	(¹)	(¹)	(¹)	290	62	41.0	59.0	50.8
With children under 18 years of age ..	103	20	(¹)	(¹)	(¹)	104	28	(¹)	(¹)	(¹)

¹ Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-69. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1986				1987			
	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								
Total unemployed in families ¹	7,234	33.8	66.2	56.4	6,942	32.9	67.1	56.8
Husbands	1,936	42.0	58.0	43.2	1,842	40.3	59.7	44.0
With children under 18 years of age	1,258	45.7	54.3	38.9	1,129	44.1	55.9	38.9
Wives	1,439	19.2	80.8	73.3	1,292	19.5	80.5	72.2
With children under 18 years of age	894	18.5	81.5	73.5	839	17.9	82.1	73.5
Relatives in married-couple families	1,703	13.6	86.4	79.7	1,758	12.5	87.5	81.5
Women who maintain families	648	84.8	15.2	9.6	644	85.3	14.7	8.4
With children under 18 years of age	540	92.2	7.8	4.0	543	91.7	8.3	2.5
Relatives in families maintained by women	1,088	34.5	65.5	53.8	1,008	33.7	66.3	52.5
Men who maintain families	186	75.1	24.9	17.5	180	63.8	36.2	27.3
With children under 18 years of age	100	87.9	12.1	5.2	89	90.5	9.5	7.1
Relatives in families maintained by men	233	26.4	73.6	64.5	218	30.5	69.5	61.4
White								
Total unemployed in families ¹	5,514	31.6	68.4	58.1	5,275	30.6	69.4	58.9
Husbands	1,657	42.8	57.2	41.7	1,588	41.4	58.6	42.5
With children under 18 years of age	1,070	46.4	53.6	37.6	960	45.8	54.2	36.6
Wives	1,229	18.6	81.4	74.0	1,075	19.6	80.4	72.6
With children under 18 years of age	750	18.3	81.7	73.8	693	17.7	82.3	74.2
Relatives in married-couple families	1,370	12.8	87.2	79.8	1,434	12.3	87.7	82.2
Women who maintain families	370	79.4	20.6	12.7	343	81.6	18.4	10.6
With children under 18 years of age	297	88.6	11.4	5.5	279	89.8	10.2	3.0
Relatives in families maintained by women	585	32.1	67.9	56.4	534	28.9	71.1	55.1
Men who maintain families	145	75.5	24.5	17.6	138	63.8	36.2	27.0
With children under 18 years of age	81	88.7	11.3	5.1	68	90.8	9.2	6.0
Relatives in families maintained by men	158	25.6	74.4	66.9	165	27.3	72.7	64.4
Black								
Total unemployed in families ¹	1,506	41.2	58.8	50.6	1,463	42.0	58.0	48.3
Husbands	217	36.2	63.8	54.1	189	34.9	65.1	51.6
With children under 18 years of age	138	39.4	60.6	48.9	121	35.7	64.3	50.1
Wives	162	21.7	78.3	70.1	180	18.9	81.1	69.7
With children under 18 years of age	112	18.1	81.9	73.6	122	20.0	80.0	69.5
Relatives in married-couple families	284	15.6	84.4	80.3	271	14.1	85.9	76.6
Women who maintain families	263	92.3	7.7	5.1	288	89.7	10.3	5.3
With children under 18 years of age	232	96.4	3.6	2.3	255	93.7	6.3	2.1
Relatives in families maintained by women	480	37.0	63.0	50.9	448	38.7	61.3	50.1
Men who maintain families	33	(²)	(²)	(²)	38	(²)	(²)	(²)
With children under 18 years of age	15	(²)	(²)	(²)	20	(²)	(²)	(²)
Relatives in families maintained by men	66	27.6	72.4	59.8	49	(²)	(²)	(²)
Hispanic origin								
Total unemployed in families ¹	775	38.1	61.9	51.2	748	35.7	64.3	54.6
Husbands	218	51.2	48.8	37.4	217	46.6	53.4	41.1
With children under 18 years of age	177	52.7	47.3	36.4	166	49.2	50.8	37.2
Wives	139	20.0	80.0	65.0	127	24.7	75.3	64.1
With children under 18 years of age	109	21.6	78.4	63.4	83	27.1	72.9	61.8
Relatives in married-couple families	184	19.1	80.9	69.2	191	13.9	86.1	80.6
Women who maintain families	62	80.8	19.2	13.2	54	(²)	(²)	(²)
With children under 18 years of age	44	(²)	(²)	(²)	47	(²)	(²)	(²)
Relatives in families maintained by women	114	40.5	59.5	50.1	92	36.4	63.6	49.9
Men who maintain families	28	(²)	(²)	(²)	33	(²)	(²)	(²)
With children under 18 years of age	14	(²)	(²)	(²)	17	(²)	(²)	(²)
Relatives in families maintained by men	30	(²)	(²)	(²)	35	(²)	(²)	(²)

¹ Excludes persons living alone or with nonrelatives, persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns

used in aggregating the data.

² Data not shown where base is less than 60,000.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-70. Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1986				1987			
	Total	Percent of employed:			Total	Percent of employed:		
		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								
Total employed in families¹	87,378	24.5	75.5	63.7	89,373	23.7	76.3	64.5
Husbands	37,268	32.5	67.5	48.8	37,711	30.9	69.1	50.3
With children under 18 years of age	21,832	34.5	65.5	43.2	21,950	32.6	67.4	45.2
Wives	25,802	10.0	90.0	84.8	26,748	9.6	90.4	85.1
With children under 18 years of age	14,079	6.0	94.0	89.3	14,572	5.8	94.2	89.6
Relatives in married-couple families	11,182	7.1	92.9	88.5	11,333	6.9	93.1	88.7
Women who maintain families	5,657	63.5	36.5	23.5	5,883	64.6	35.4	23.1
With children under 18 years of age	3,745	78.3	21.7	9.5	3,891	80.1	19.9	9.3
Relatives in families maintained by women	4,294	24.7	75.3	64.6	4,357	24.7	75.3	64.6
Men who maintain families	1,829	55.8	44.2	32.9	1,900	55.3	44.7	34.3
With children under 18 years of age	843	80.5	19.5	9.5	862	82.0	18.0	9.2
Relatives in families maintained by men	1,345	18.7	81.3	73.8	1,441	18.3	81.7	74.1
White								
Total employed in families¹	76,609	24.0	76.0	63.8	78,268	23.1	76.9	64.7
Husbands	33,830	33.0	67.0	47.6	34,159	31.4	68.6	49.2
With children under 18 years of age	19,581	35.3	64.7	41.4	19,665	33.3	66.7	43.4
Wives	23,014	9.6	90.4	85.2	23,861	9.2	90.8	85.5
With children under 18 years of age	12,348	5.5	94.5	89.9	12,774	5.2	94.8	90.3
Relatives in married-couple families	9,945	7.0	93.0	88.5	10,019	6.7	93.3	88.9
Women who maintain families	4,076	61.0	39.0	24.3	4,255	62.3	37.7	24.2
With children under 18 years of age	2,656	76.5	23.5	9.4	2,781	78.7	21.3	9.4
Relatives in families maintained by women	3,171	24.2	75.8	64.5	3,229	24.3	75.7	64.5
Men who maintain families	1,483	55.1	44.9	33.7	1,567	55.0	45.0	34.2
With children under 18 years of age	684	80.7	19.3	9.3	715	81.0	19.0	9.8
Relatives in families maintained by men	1,090	18.7	81.3	74.7	1,178	17.1	82.9	75.6
Black								
Total employed in families¹	8,213	30.6	69.4	60.6	8,445	30.0	70.0	61.2
Husbands	2,451	26.3	73.7	61.6	2,519	25.1	74.9	62.6
With children under 18 years of age	1,547	25.4	74.6	62.3	1,616	24.6	75.4	63.0
Wives	1,977	14.7	85.3	79.0	2,047	13.8	86.2	80.5
With children under 18 years of age	1,202	9.6	90.4	84.1	1,264	10.1	89.9	84.6
Relatives in married-couple families	866	9.3	90.7	87.0	927	8.5	91.5	86.0
Women who maintain families	1,450	70.8	29.2	20.5	1,488	71.9	28.1	18.9
With children under 18 years of age	1,014	83.0	17.0	9.4	1,032	84.5	15.5	8.2
Relatives in families maintained by women	1,002	26.9	73.1	64.6	986	26.1	73.9	63.7
Men who maintain families	272	60.3	39.7	27.5	267	59.5	40.5	33.1
With children under 18 years of age	135	80.2	19.8	10.4	126	87.4	12.6	6.1
Relatives in families maintained by men	194	19.3	80.7	68.6	210	24.4	75.6	68.6
Hispanic origin								
Total employed in families¹	5,584	29.1	70.9	61.2	6,066	27.0	73.0	62.5
Husbands	2,275	43.0	57.0	44.3	2,422	38.6	61.4	46.3
With children under 18 years of age	1,662	45.5	54.5	40.9	1,752	40.6	59.4	43.1
Wives	1,309	10.5	89.5	82.5	1,471	8.8	91.2	85.5
With children under 18 years of age	871	8.5	91.5	84.1	999	8.1	91.9	86.2
Relatives in married-couple families	749	7.9	92.1	85.8	891	7.6	92.4	84.9
Women who maintain families	418	59.4	40.6	31.4	445	63.0	37.0	26.4
With children under 18 years of age	283	75.7	24.3	15.1	297	77.7	22.3	13.3
Relatives in families maintained by women	413	20.4	79.6	69.5	421	24.3	75.7	64.8
Men who maintain families	215	44.2	55.8	46.0	213	48.4	51.6	47.3
With children under 18 years of age	80	70.9	29.1	22.9	75	75.7	24.3	22.1
Relatives in families maintained by men	205	11.7	88.3	82.8	203	10.9	89.1	81.7

¹ Excludes persons living alone or with nonrelatives, persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns

used in aggregating the data.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-71. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings	
	i 1986	i 1987	i 1986	i 1987
TOTAL				
Total families with earners ¹	42,101	42,209	\$531	\$557
Married-couple families	33,612	33,527	597	620
One earner	13,219	12,825	386	395
Husband	10,120	9,739	454	469
Wife	2,394	2,378	225	219
Other family member	705	707	209	207
Two or more earners	20,393	20,702	733	763
Husband and wife	17,638	18,076	749	779
Husband and other family member(s)	1,944	1,889	701	725
Wife and other family member(s)	633	592	444	453
Other family members only	177	146	454	515
Families maintained by women	6,690	6,857	303	309
One earner	4,635	4,686	237	248
Householder	3,651	3,726	248	257
Other family member	984	960	202	215
Two or more earners	2,055	2,170	495	489
Families maintained by men	1,799	1,826	437	461
One earner	1,146	1,124	355	353
Two or more earners	653	701	588	654
White				
Total families with earners ¹	36,203	36,267	554	578
Married-couple families	30,063	29,858	606	630
One earner	11,896	11,553	400	406
Husband	9,223	8,906	466	480
Wife	2,052	2,034	225	220
Two or more earners	18,168	18,304	743	774
Husband and wife	15,689	15,967	759	790
Families maintained by women	4,718	4,905	313	321
Families maintained by men	1,421	1,504	467	483
Black				
Total families with earners ¹	4,719	4,715	377	399
Married-couple families	2,600	2,687	483	503
One earner	976	910	262	270
Husband	622	550	295	319
Wife	282	285	218	202
Two or more earners	1,624	1,777	641	647
Husband and wife	1,424	1,574	656	670
Families maintained by women	1,801	1,754	269	273
Families maintained by men	319	273	339	380
Hispanic origin				
Total families with earners ¹	2,997	3,124	401	412
Married-couple families	2,274	2,355	427	449
One earner	1,098	1,060	294	271
Husband	903	883	312	295
Wife	138	110	187	199
Two or more earners	1,175	1,295	579	609
Husband and wife	920	1,004	595	624
Families maintained by women	495	526	275	270
Families maintained by men	228	243	408	415

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

A-72. Families with unemployed members and wage and salary workers by type of family and median weekly earnings

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings	
	i 1986	i 1987	i 1986	i 1987
Married-couple families ¹	3,169	2,926	\$351	\$400
Husband unemployed	1,152	1,002	230	228
Wife only earner	846	744	214	211
Wife and other earner(s)	191	155	391	386
Other earner(s) only	115	103	193	178
Wife unemployed	1,030	905	380	395
Husband only earner	882	773	354	384
Husband and other earner(s) ..	124	113	570	590
Other earner(s) only	23	20	(²)	(²)
Other member(s) unemployed ..	988	1,019	625	645
Husband or wife earner	423	397	402	543
Both husband and wife earners ..	530	590	793	745
Other combinations of earners ..	35	32	(²)	(²)
Families maintained by women ¹ ..	664	617	271	272
Householder unemployed	117	73	188	(²)
Other member(s) unemployed ..	547	545	294	286
Families maintained by men ¹	182	199	328	345

¹ Data exclude families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is

either self-employed or in the Armed Forces.

² Data not shown where base is less than 100,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-73. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	i 1986	i 1987	i 1986	i 1987
SEX AND AGE				
Total, 16 years and over	76,693	78,190	\$354	\$369
Men, 16 years and over	45,086	45,599	419	434
16 to 24 years	6,183	6,100	245	257
25 years and over	38,904	39,499	459	477
Women, 16 years and over	31,606	32,591	287	299
16 to 24 years	5,115	5,139	222	227
25 years and over	26,491	27,452	302	315
FAMILY RELATIONSHIP				
Husbands	30,124	30,371	471	486
Wives	16,747	17,042	293	309
Women who maintain families	4,454	4,610	289	294
Men who maintain families	1,416	1,383	382	393
Other persons in families:				
Men	5,616	5,779	245	263
Women	3,986	4,137	224	237
All other men ¹	7,919	8,062	395	408
All other women ¹	6,431	6,805	312	318
RACE AND HISPANIC ORIGIN				
White	66,118	67,236	366	381
Men	39,535	39,855	434	453
Women	26,583	27,381	290	303
Black	8,383	8,633	288	295
Men	4,305	4,508	312	320
Women	4,078	4,125	263	271
Hispanic origin	5,388	5,692	269	286
Men	3,471	3,666	295	304
Women	1,917	2,026	229	255

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-74. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	i 1986	i 1987	i 1986	i 1987
SEX AND AGE				
Total, 16 years and over	18,294	18,731	\$95	\$98
Men, 16 years and over	5,809	5,902	88	92
16 to 24 years	3,383	3,344	71	71
25 years and over ..	2,425	2,558	114	130
Women, 16 years and over ..	12,485	12,829	98	101
16 to 24 years	4,054	4,003	69	68
25 years and over ..	8,431	8,826	114	117
FAMILY RELATIONSHIP				
Husbands ..	1,515	1,614	117	135
Wives ..	6,548	6,788	115	119
Women who maintain families ..	989	1,031	110	104
Men who maintain families ..	114	117	139	117
Other persons in families:				
Men ..	3,168	3,147	70	72
Women ..	3,366	3,359	64	65
All other men ¹ ..	1,011	1,023	107	113
All other women ¹ ..	1,582	1,652	105	104
RACE AND HISPANIC ORIGIN				
White ..	16,054	16,417	95	99
Men ..	4,965	5,076	87	92
Women ..	11,090	11,341	99	102
Black ..	1,736	1,773	93	92
Men ..	653	585	96	88
Women ..	1,084	1,189	92	95
Hispanic origin ..	989	1,188	96	101
Men ..	411	478	100	104
Women ..	578	709	93	98

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-75. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings	
	1986	1987	1986	1987
TOTAL				
Managerial and professional specialty	19,771	20,696	\$501	\$522
Executive, administrative, and managerial	9,606	9,880	510	523
Professional specialty	10,165	10,816	495	521
Technical, sales, and administrative support	23,243	23,969	316	325
Technicians and related support	2,870	2,692	403	423
Sales occupations	7,040	7,418	340	370
Administrative support, including clerical	13,333	13,859	297	304
Service occupations	8,012	8,078	227	234
Private household	299	300	130	137
Protective service	1,613	1,616	401	419
Service, except private household and protective	6,101	6,162	210	215
Precision production, craft, and repair	10,503	10,613	406	415
Mechanics and repairers	3,592	3,693	413	419
Construction trades	3,261	3,373	406	411
Other precision production, craft, and repair	3,650	3,548	399	414
Operators, fabricators, and laborers	14,139	13,843	294	303
Machine operators, assemblers, and inspectors	7,289	6,935	290	294
Transportation and material moving occupations	3,522	3,605	339	367
Handlers, equipment cleaners, helpers, and laborers	3,329	3,303	258	267
Farming, forestry, and fishing	1,024	991	221	217
Men				
Managerial and professional specialty	11,249	11,597	605	631
Executive, administrative, and managerial	5,945	5,877	621	637
Professional specialty	5,304	5,720	592	627
Technical, sales, and administrative support	8,685	9,038	434	451
Technicians and related support	1,623	1,445	485	507
Sales occupations	4,131	4,433	445	475
Administrative support, including clerical	2,931	3,160	403	400
Service occupations	4,118	4,067	284	292
Private household	8	16	(¹)	(¹)
Protective service	1,458	1,450	413	429
Service, except private household and protective	2,652	2,601	241	247
Precision production, craft, and repair	9,656	9,757	418	426
Mechanics and repairers	3,473	3,572	412	418
Construction trades	3,199	3,346	407	412
Other precision production, craft, and repair	2,984	2,838	441	466
Operators, fabricators, and laborers	10,460	10,268	321	336
Machine operators, assemblers, and inspectors	4,357	4,152	350	348
Transportation and material moving occupations	3,321	3,403	346	371
Handlers, equipment cleaners, helpers, and laborers	2,782	2,713	268	282
Farming, forestry, and fishing	919	872	223	221
Women				
Managerial and professional specialty	8,522	9,099	405	433
Executive, administrative, and managerial	3,661	4,003	383	411
Professional specialty	4,860	5,095	420	448
Technical, sales, and administrative support	14,559	14,931	279	288
Technicians and related support	1,247	1,248	336	354
Sales occupations	2,910	2,985	233	247
Administrative support, including clerical	10,402	10,699	281	289
Service occupations	3,895	4,011	194	198
Private household	291	284	132	131
Protective service	155	166	302	312
Service, except private household and protective	3,450	3,561	195	199
Precision production, craft, and repair	847	856	280	304
Mechanics and repairers	119	121	437	451
Construction trades	62	26	(¹)	(¹)
Other precision production, craft, and repair	667	710	258	290
Operators, fabricators, and laborers	3,679	3,575	224	224
Machine operators, assemblers, and inspectors	2,931	2,783	223	223
Transportation and material moving occupations	201	203	278	290
Handlers, equipment cleaners, helpers, and laborers	547	589	219	216
Farming, forestry, and fishing	105	119	206	170

¹ Data not shown where base is less than 100,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-76. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	1st Quarter 1987							
	Metropolitan areas			Nonmetropolitan areas			Urban areas	Rural areas
	Total	Central cities	Suburbs	Total	Farm	Nonfarm		
TOTAL								
Civilian noninstitutional population	141,257	56,673	84,584	40,745	2,920	37,825	134,061	47,941
Civilian labor force	93,152	36,252	56,900	24,856	1,942	22,913	87,677	30,331
Percent of population	65.9	64.0	67.3	61.0	66.5	60.6	65.4	63.3
Employed	86,904	33,218	53,685	22,688	1,876	20,813	81,513	28,079
Unemployed	6,249	3,034	3,215	2,167	67	2,100	6,164	2,252
Unemployment rate	6.7	8.4	5.6	8.7	3.4	9.2	7.0	7.4
Not in labor force	48,104	20,421	27,684	15,889	978	14,911	46,384	17,610
Men, 20 years and over								
Civilian noninstitutional population	61,450	24,359	37,091	17,755	1,390	16,365	57,732	21,473
Civilian labor force	48,539	18,749	29,790	13,067	1,153	11,913	45,222	16,383
Percent of population	79.0	77.0	80.3	73.6	83.0	72.8	78.3	76.3
Employed	45,480	17,254	28,225	11,983	1,124	10,859	42,240	15,223
Unemployed	3,059	1,495	1,564	1,084	29	1,055	2,982	1,161
Unemployment rate	6.3	8.0	5.3	8.3	2.5	8.9	6.6	7.1
Not in labor force	12,911	5,610	7,301	4,688	237	4,451	12,509	5,090
Women, 20 years and over								
Civilian noninstitutional population	68,621	28,127	40,494	19,628	1,284	18,343	65,853	22,395
Civilian labor force	38,972	15,563	23,409	10,195	665	9,530	37,170	11,997
Percent of population	56.8	55.3	57.8	51.9	51.7	52.0	56.4	53.6
Employed	36,799	14,452	22,347	9,448	640	8,809	35,000	11,248
Unemployed	2,172	1,110	1,062	746	25	721	2,170	748
Unemployment rate	5.6	7.1	4.5	7.3	3.7	7.6	5.8	6.2
Not in labor force	29,649	12,564	17,085	9,433	620	8,813	28,683	10,398
Both sexes, 16 to 19 years								
Civilian noninstitutional population	11,186	4,187	6,999	3,363	246	3,117	10,476	4,072
Civilian labor force	5,641	1,940	3,701	1,594	125	1,470	5,285	1,951
Percent of population	50.4	46.3	52.9	47.4	50.7	47.2	50.4	47.9
Employed	4,624	1,512	3,113	1,257	112	1,145	4,273	1,608
Unemployed	1,017	428	588	337	13	324	1,012	342
Unemployment rate	18.0	22.1	15.9	21.2	10.3	22.1	19.1	17.6
Not in labor force	5,545	2,247	3,298	1,768	121	1,647	5,191	2,122
White								
Civilian noninstitutional population	119,953	42,500	77,453	36,482	2,830	33,652	112,115	44,320
Civilian labor force	79,467	27,527	51,940	22,402	1,893	20,509	73,644	28,225
Percent of population	66.2	64.8	67.1	61.4	66.9	60.9	65.7	63.7
Employed	74,867	25,689	49,178	20,615	1,835	18,780	69,207	26,275
Unemployed	4,600	1,838	2,763	1,787	58	1,729	4,437	1,950
Unemployment rate	5.8	6.7	5.3	8.0	3.1	8.4	6.0	6.9
Not in labor force	40,486	14,974	25,513	14,079	936	13,143	38,471	16,095
Black								
Civilian noninstitutional population	16,676	11,798	4,878	3,542	82	3,460	17,300	2,917
Civilian labor force	10,594	7,192	3,402	2,053	43	2,010	10,958	1,689
Percent of population	63.5	61.0	69.7	58.0	52.6	58.1	63.3	57.9
Employed	9,133	6,092	3,042	1,736	34	1,702	9,419	1,451
Unemployed	1,461	1,100	360	317	9	308	1,539	238
Unemployment rate	13.8	15.3	10.6	15.4	(¹)	15.3	14.0	14.1
Not in labor force	6,082	4,606	1,476	1,489	39	1,450	6,342	1,228
Hispanic origin								
Civilian noninstitutional population	11,792	6,763	5,028	901	44	856	11,732	961
Civilian labor force	7,751	4,272	3,479	571	30	541	7,694	627
Percent of population	65.7	63.2	69.2	63.4	(¹)	63.2	65.6	65.3
Employed	6,972	3,791	3,181	478	28	449	6,892	557
Unemployed	779	481	298	93	2	92	802	70
Unemployment rate	10.0	11.3	8.6	16.4	(¹)	17.0	10.4	11.1
Not in labor force	4,041	2,491	1,549	330	15	315	4,037	334

¹ Data not shown where base is less than 60,000.

NOTE: Data for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are

included in both the white and black population groups. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-77. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin

(Numbers in thousands)

Employment status, race, and Hispanic origin	1st Quarter 1987					
	Total United States		Metropolitan areas		Nonmetropolitan areas	
	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas
TOTAL						
Civilian noninstitutional population	27,735	154,267	18,444	122,812	9,291	31,454
Civilian labor force	15,517	102,491	10,255	82,897	5,262	19,593
Percent of population	55.9	66.4	55.6	67.5	56.6	62.3
Employed	13,495	96,097	8,863	78,040	4,632	18,057
Unemployed	2,022	6,394	1,391	4,857	631	1,537
Unemployment rate	13.0	6.2	13.6	5.9	12.0	7.8
Men, 20 years and over	12.8	5.8	13.7	5.4	11.0	7.5
Women, 20 years and over	10.9	5.2	10.8	4.9	11.1	6.3
Both sexes, 16 to 19 years	30.1	17.0	31.4	16.3	27.5	19.7
Men	31.3	18.8	33.6	17.8	26.9	22.3
Women	28.7	15.2	28.9	14.8	28.3	16.7
Not in labor force	12,218	51,776	8,189	39,915	4,028	11,861
White						
Civilian noninstitutional population	16,897	139,538	10,081	109,872	6,815	29,666
Civilian labor force	9,632	92,237	5,731	73,736	3,901	18,501
Percent of population	57.0	66.1	56.8	67.1	57.2	62.4
Employed	8,611	86,871	5,090	69,777	3,521	17,093
Unemployed	1,021	5,366	641	3,959	380	1,408
Unemployment rate	10.6	5.8	11.2	5.4	9.7	7.6
Men, 20 years and over	10.6	5.6	11.4	5.1	9.5	7.4
Women, 20 years and over	8.5	4.7	8.5	4.3	8.6	6.0
Both sexes, 16 to 19 years	23.9	15.6	26.0	14.6	20.3	19.3
Men	26.4	17.7	30.8	16.5	18.5	21.6
Women	20.9	13.5	20.1	12.7	22.2	16.6
Not in labor force	7,265	47,301	4,351	36,136	2,914	11,165
Black						
Civilian noninstitutional population	9,913	10,305	7,737	8,939	2,176	1,366
Civilian labor force	5,397	7,250	4,198	6,396	1,199	854
Percent of population	54.4	70.4	54.3	71.5	55.1	62.5
Employed	4,455	6,414	3,476	5,657	979	757
Unemployed	942	836	722	738	220	97
Unemployment rate	17.5	11.5	17.2	11.5	18.3	11.4
Men, 20 years and over	17.3	9.0	17.8	8.9	15.6	9.4
Women, 20 years and over	14.5	11.2	13.7	11.2	17.5	11.3
Both sexes, 16 to 19 years	40.5	35.8	39.5	37.2	43.5	(¹)
Men	39.0	35.8	39.0	35.3	(¹)	(¹)
Women	42.1	35.7	40.1	39.0	(¹)	(¹)
Not in labor force	4,516	3,055	3,538	2,543	977	512
Hispanic origin						
Civilian noninstitutional population	4,418	8,275	4,080	7,711	337	564
Civilian labor force	2,524	5,797	2,332	5,419	192	379
Percent of population	57.1	70.1	57.2	70.3	57.0	67.2
Employed	2,171	5,278	2,024	4,948	147	330
Unemployed	353	519	308	470	45	49
Unemployment rate	14.0	9.0	13.2	8.7	23.3	12.8
Men, 20 years and over	14.1	7.9	13.5	7.5	21.0	14.1
Women, 20 years and over	10.9	8.0	9.9	8.0	22.2	7.1
Both sexes, 16 to 19 years	27.3	23.6	25.5	22.9	(¹)	(¹)
Men	27.4	24.5	27.2	24.2	(¹)	(¹)
Women	27.1	22.3	22.6	21.2	(¹)	(¹)
Not in labor force	1,893	2,478	1,748	2,293	145	185

¹ Data not shown where base is less than 60,000.

NOTE: Data for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black

population groups. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by major industry, 1935 to date

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing								Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government				
													Federal	State	Local		
Annual averages																	
1935	27,039	23,558	10,893	897	927	9,069	16,146	2,786	(1)	(1)	1,320	3,128	753	(1)	(1)		
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	(1)	(1)	1,373	3,312	826	(1)	(1)		
1937	31,011	27,255	12,936	1,015	1,127	10,794	18,075	3,134	(1)	(1)	1,417	3,503	833	(1)	(1)		
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(1)	(1)	1,410	3,458	829	(1)	(1)		
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	(1)	(1)	1,447	3,502	905	(1)	(1)		
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	(1)	(1)	1,485	3,665	996	(1)	(1)		
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	(1)	(1)		
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	(1)	(1)		
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	(1)	(1)		
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	(1)	(1)		
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,949	5,365	1,481	4,222	2,808	(1)	(1)		
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	(1)	(1)		
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	6,485	1,728	5,025	1,892	(1)	(1)		
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	(1)	(1)		
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	(1)	(1)		
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	(1)	(1)		
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	(1)	(1)		
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,812	7,192	2,035	5,699	2,420	(1)	(1)		
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	(1)	(1)		
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	(1)	(1)		
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	(1)	(1)		
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	(1)	(1)		
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,328	4,071		
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,980	7,770	2,481	6,765	2,191	1,415	4,232		
1959 ²	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366		
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547		
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,607	4,708		
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,668	4,881		
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121		
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	1,856	5,392		
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700		
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080		
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371		
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660		
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904		
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158		
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437		
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790		
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146		
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407		
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758		
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865		
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023		
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446		
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633		
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765		
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619		
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458		
1983	90,200	74,330	23,334	952	3,948	18,434	66,866	4,954	5,268	15,613	5,468	19,694	2,774	3,662	9,434		
1984	94,496	78,472	24,727	966	4,383	19,378	69,769	5,159	5,555	16,545	5,689	20,797	2,807	3,734	9,482		
1985	97,614	81,199	24,930	930	4,687	19,314	72,684	5,242	5,740	17,360	5,953	21,974	2,875	3,848	9,692		
1986	100,167	83,432	24,938	792	4,960	19,186	75,229	5,286	5,853	17,978	6,305	23,072	2,899	3,937	9,899		
Monthly data, seasonally adjusted																	
1986:																	
March	99,484	82,785	24,945	852	4,838	19,255	74,539	5,280	5,841	17,828	6,184	22,707	2,923	3,927	9,849		
April	99,783	83,072	25,038	821	4,972	19,245	74,745	5,266	5,864	17,851	6,228	22,825	2,914	3,938	9,859		
May	99,918	83,198	24,965	790	4,974	19,201	74,953	5,265	5,872	17,911	6,261	22,924	2,899	3,936	9,885		
June	99,843	83,161	24,854	772	4,947	19,135	74,989	5,167	5,829	17,944	6,295	23,072	2,875	3,927	9,880		
July	100,105	83,508	24,869	768	4,980	19,121	75,236	5,288	5,849	17,992	6,334	23,176	2,866	3,921	9,810		
August	100,283	83,655	24,888	753	5,012	19,123	75,395	5,255	5,863	18,030	6,364	23,255	2,875	3,919	9,834		
September	100,560	83,786	24,858	743	5,010	19,105	75,702	5,316	5,859	18,065	6,388	23,300	2,901	3,932	9,941		
October	100,826	83,956	24,865	746	5,001	19,118	75,961	5,316	5,864	18,143	6,409	23,359	2,896	3,959	10,015		
November	101,068	84,178	24,891	742	4,993	19,156	76,177	5,351	5,859	18,197	6,429	23,451	2,899	3,965	10,026		
December	101,322	84,394	24,920	738	4,996	19,186	76,402	5,359	5,859	18,206	6,472	23,578	2,907	3,983	10,038		
1987:																	
January	101,626	84,708	25,008	731	5,109	19,168	76,618	5,382	5,864	18,289	6,495	23,670	2,914	3,983	10,021		
February ^p	101,862	84,958	25,040	732	5,094	19,214	76,822	5,389	5,876	18,376	6,518	23,759	2,915	3,984	10,005		
March ^p	102,026	85,060	24,972	735	5,047	19,190	77,054	5,411	5								

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Total		98,113	98,617	100,185	100,500	101,148					
Total private		81,165	81,604	83,289	83,324	83,862	65,407	65,795	67,134	67,143	67,633
Mining		868	842	726	722	726	611	588	507	507	509
Metal mining	10	43.9	43.9	42.3	43.6		32.6	32.2	31.5	32.7	
Iron ores	101	8.8	8.8	8.4	9.6		6.6	6.5	6.2	7.4	
Copper ores	102	12.9	13.2	13.6	13.8		9.9	9.9	10.7	10.9	
Coal mining	11,12	181.0	179.8	164.7	163.6		147.7	146.8	134.4	133.6	
Bituminous coal and lignite mining	12	178.7	177.6	162.6	161.5		145.9	145.0	132.6	131.8	
Oil and gas extraction	13	542.2	514.2	418.2	415.1	414.7	356.8	331.2	266.4	265.3	
Crude petroleum, natural gas, and natural gas liquids	131,2	249.3	247.5	214.6	212.6	-	119.8	118.2	105.9	105.4	
Oil and gas field services	138	292.9	266.7	203.6	202.5		237.0	213.0	160.5	159.9	
Nonmetallic minerals, except fuels	14	100.4	104.2	100.4	100.0		74.0	77.7	75.0	74.9	
Crushed and broken stone	142	33.0	34.9	33.9	33.5		25.8	27.7	26.1	26.1	
Sand and gravel	144	29.8	31.4	29.6	29.6		-	-	-	-	
Chemical and fertilizer minerals	147	20.1	20.0	19.5	19.4						
Construction		4,353	4,441	4,675	4,559	4,633	3,317	3,404	3,593	3,475	3,542
General building contractors	15	1,197.2	1,200.9	1,235.8	1,200.2	1,204.4	865.8	872.9	898.0	862.3	
Residential building construction	152	589.7	588.4	626.1	605.0	-	412.1	414.5	442.4	421.0	
Operative builders	153	57.3	56.8	53.5	54.3		30.2	30.1	27.1	27.7	
Nonresidential building construction	154	550.2	555.7	556.2	540.9		423.5	428.3	428.5	413.6	
Heavy construction contractors	16	648.3	679.2	651.7	634.7		516.9	548.6	528.6	513.1	
Highway and street construction	161	186.8	208.0	216.0	212.1		145.4	165.4	170.6	166.3	
Heavy construction, except highway	162	461.5	471.2	435.7	422.6		371.5	383.2	358.0	346.8	
Special trade contractors	17	2,507.2	2,561.0	2,787.7	2,723.7		1,934.2	1,982.7	2,166.2	2,099.9	
Plumbing, heating, and air conditioning	171	607.3	609.7	652.2	644.1		442.8	444.3	476.7	468.9	
Painting, paper hanging, and decorating	172	145.3	148.3	163.8	160.2		117.4	120.8	134.9	131.5	
Electrical work	173	497.2	494.2	534.7	527.5		381.6	378.4	411.9	404.3	
Masonry, stonework, and plastering	174	397.4	411.1	465.1	450.1		334.8	348.1	391.8	377.6	
Carpentering and flooring	175	157.5	158.1	172.2	169.1		117.7	117.8	130.0	127.0	
Roofing and sheet metal work	176	170.1	182.2	204.8	191.6		131.9	143.8	162.9	148.8	
Manufacturing		19,137	19,148	19,005	19,062	19,082	12,973	12,982	12,893	12,950	12,981
Durable goods		11,381	11,384	11,193	11,231	11,246	7,525	7,528	7,385	7,423	7,447
Lumber and wood products	24	690.6	695.9	726.0	728.8	732.0	578.9	584.1	604.5	607.4	609.3
Logging camps and logging contractors	241	77.0	74.1	77.0	76.8	-	64.8	62.2	64.7	64.3	-
Sawmills and planing mills	242	189.5	191.4	201.5	202.4		167.0	169.4	175.6	176.7	
Sawmills and planing mills, general	2421	155.8	157.5	164.8	165.5		137.7	139.7	143.3	144.3	
Hardwood dimension and flooring	2426	30.4	30.4	33.0	33.3		26.5	26.7	29.0	29.2	
Millwork, plywood, and structural members	243	238.9	243.1	260.9	262.2		197.6	201.1	214.7	216.1	
Millwork	2431	92.8	94.0	100.6	101.8		74.6	75.5	80.6	81.9	
Wood kitchen cabinets	2434	62.9	64.8	71.2	71.4		50.7	52.5	57.1	57.3	
Hardwood veneer and plywood	2435	24.0	24.3	25.4	25.5		21.1	21.3	22.1	22.3	
Softwood veneer and plywood	2436	39.0	39.7	41.7	41.7		35.8	36.4	38.0	38.0	
Wood containers	244	40.4	41.3	40.8	40.5		34.0	34.9	34.4	34.3	
Wood buildings and mobile homes	245	68.3	68.6	68.2	68.1		51.6	51.9	51.2	51.1	
Mobile homes	2451	49.2	49.3	46.8	46.9		38.9	39.1	37.4	37.5	
Miscellaneous wood products	249	76.5	77.4	77.6	78.8		63.9	64.6	63.9	64.9	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Furniture and fixtures	25	495.2	494.8	503.8	505.0	506.0	395.9	396.0	403.5	404.5	406.5
Household furniture	251	296.9	297.0	303.5	305.8	-	249.3	249.7	255.8	258.4	-
Wood household furniture	2511	132.7	132.3	135.4	136.0	-	115.3	115.0	118.4	119.0	-
Upholstered household furniture ..	2512	92.3	92.4	95.7	96.6	-	76.2	76.4	79.5	80.5	-
Metal household furniture	2514	31.1	31.2	32.5	33.3	-	25.7	25.7	26.7	27.6	-
Mattresses and bedsprings ..	2515	28.1	28.2	28.2	28.3	-	21.3	21.7	21.2	21.5	-
Office furniture	252	66.0	65.9	67.0	66.4	-	51.0	51.1	52.2	51.3	-
Public building and related furniture ..	253	26.2	25.9	27.1	27.4	-	20.0	19.8	20.9	21.1	-
Partitions and fixtures	254	67.6	67.8	69.0	68.3	-	49.1	49.4	49.5	48.7	-
Miscellaneous furniture and fixtures ..	259	38.5	38.2	37.2	37.1	-	26.5	26.0	25.1	25.0	-
Stone, clay, and glass products ..	32	571.3	578.9	573.8	572.6	578.9	435.8	443.4	439.3	439.1	446.2
Flat glass	321	15.2	15.2	14.6	14.5	-	11.9	11.9	11.4	11.3	-
Glass and glassware, pressed or blown ..	322	91.2	90.6	91.4	91.0	-	77.8	77.2	78.0	77.5	-
Glass containers	3221	47.1	47.0	46.8	46.6	-	42.3	42.1	42.1	41.7	-
Pressed and blown glass, nec ..	3229	44.1	43.6	44.6	44.4	-	35.5	35.1	35.9	35.8	-
Products of purchased glass ..	323	52.3	52.4	53.3	53.5	-	36.6	36.7	37.5	37.4	-
Cement, hydraulic	324	22.7	22.8	21.6	21.8	-	17.6	17.8	16.6	16.8	-
Structural clay products	325	36.9	37.0	37.2	37.1	-	28.4	28.4	29.0	29.1	-
Pottery and related products	326	34.6	35.0	34.4	34.3	-	27.4	27.6	27.1	27.3	-
Concrete, gypsum, and plaster products ..	327	194.2	201.0	201.4	199.8	-	148.0	154.6	153.6	152.5	-
Concrete block and brick ..	3271	18.3	18.9	19.6	19.2	-	12.2	12.6	13.0	12.8	-
Concrete products, nec ..	3272	67.2	68.6	66.7	67.2	-	51.0	52.3	49.7	50.3	-
Ready-mixed concrete	3273	88.2	93.0	94.7	93.1	-	68.9	73.6	75.1	73.7	-
Misc. nonmetallic mineral products ..	329	112.6	113.1	108.5	108.5	-	79.0	79.9	77.3	77.6	-
Abrasive products	3291	20.2	20.1	20.0	19.9	-	13.3	13.3	13.2	13.2	-
Asbestos products ..	3292	10.5	10.5	10.3	10.4	-	7.9	7.9	7.8	7.9	-
Mineral wool ..	3296	26.6	27.0	24.8	24.6	-	-	-	-	-	-
Primary metal industries	33	794.8	791.1	741.8	753.0	758.6	603.9	600.7	553.2	563.5	570.2
Blast furnaces and basic steel products ..	331	298.0	295.0	263.8	273.3	278.0	230.4	227.4	196.4	204.5	208.9
Blast furnaces and steel mills ..	3312	232.5	229.2	200.6	209.8	-	182.6	179.3	150.0	157.6	-
Steel pipe and tubes	3317	23.3	23.2	21.5	21.4	-	16.9	16.7	15.5	15.5	-
Iron and steel foundries ..	332	139.2	138.7	132.4	132.7	-	109.6	109.5	103.7	104.0	-
Gray iron foundries	3321	87.4	87.4	82.7	82.9	-	71.5	71.7	67.1	67.2	-
Malleable iron foundries ..	3322	9.9	9.9	8.9	9.3	-	7.0	7.0	6.3	6.6	-
Steel foundries, nec ..	3325	28.2	27.7	26.4	26.0	-	20.7	20.4	19.4	19.2	-
Primary nonferrous metals ..	333	41.7	41.7	40.2	39.9	-	29.5	29.5	27.5	27.5	-
Primary aluminum	3334	23.8	23.8	23.1	23.0	-	17.4	17.4	15.7	15.8	-
Nonferrous rolling and drawing ..	335	187.5	187.4	182.3	183.0	-	133.6	133.6	129.3	130.5	-
Copper rolling and drawing ..	3351	23.5	23.6	23.2	23.4	-	18.1	18.2	18.1	18.2	-
Aluminum sheet, plate, and foil ..	3353	30.6	30.8	29.1	29.3	-	22.0	22.3	21.1	21.4	-
Nonferrous wire drawing and insulating ..	3357	80.8	80.5	77.9	78.2	-	57.7	57.3	54.3	55.0	-
Nonferrous foundries	336	84.6	84.9	82.4	83.3	-	68.1	68.4	66.5	67.0	-
Aluminum foundries ..	3361	52.1	52.5	50.8	51.4	-	42.6	42.9	41.7	42.0	-
Fabricated metal products	34	1,442.8	1,443.9	1,422.9	1,421.2	1,421.6	1,064.2	1,065.1	1,049.8	1,049.2	1,051.9
Metal cans and shipping containers ..	341	58.0	58.3	56.4	56.6	-	49.7	50.0	48.2	48.4	-
Metal cans	3411	46.5	46.8	45.2	45.4	-	40.7	41.0	39.4	39.6	-
Cutlery, hand tools, and hardware ..	342	142.3	142.4	139.7	139.4	-	104.7	104.8	102.5	102.0	-
Hand and edge tools, and hand saws and blades ..	3423,5	48.6	48.5	48.6	49.0	-	35.5	35.3	35.3	35.4	-
Hardware, nec ..	3429	80.5	80.5	78.3	77.7	-	60.3	60.4	58.8	58.2	-
Plumbing and heating, except electric ..	343	66.6	65.9	66.3	65.6	-	47.5	46.8	47.6	46.8	-
Plumbing fittings and brass goods ..	3432	25.8	25.7	25.5	25.4	-	18.9	18.8	18.6	18.5	-
Heating equipment, except electric ..	3433	29.1	28.6	29.6	29.0	-	19.6	19.1	20.4	19.7	-
Fabricated structural metal products ..	344	427.4	428.1	426.2	422.0	-	297.8	298.4	297.9	294.3	-
Fabricated structural metal ..	3441	75.0	74.8	71.6	71.2	-	53.2	53.0	50.2	49.8	-
Metal doors, sash, and trim ..	3442	87.0	87.5	89.0	87.8	-	63.8	64.1	65.3	64.2	-
Fabricated plate work (boiler shops) ..	3443	96.8	96.1	93.0	93.0	-	60.9	60.4	58.0	57.9	-
Sheet metal work ..	3444	107.1	107.9	109.2	108.1	-	78.3	79.0	80.6	79.7	-
Architectural metal work ..	3446	27.8	27.8	29.0	28.2	-	20.2	20.1	21.4	20.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	97.0	97.4	96.6	97.0		73.9	74.4	73.8	74.1	
Screw machine products	3451	45.7	45.7	45.0	45.5		36.9	37.0	36.7	37.1	
Bolts, nuts, rivets, and washers	3452	51.3	51.7	51.6	51.5		37.0	37.4	37.1	37.0	
Metal forgings and stampings	346	241.4	242.4	232.6	234.6		193.7	194.8	186.2	188.1	
Iron and steel forgings	3462	34.0	34.1	31.5	31.6		26.1	26.3	24.2	24.3	
Automotive stampings	3465	104.1	104.4	99.1	100.7		89.2	89.4	84.4	85.9	
Metal stampings, nec	3469	92.5	93.0	91.5	92.0		70.4	71.1	69.9	70.5	
Metal services, nec	347	112.7	112.6	115.7	116.4		90.3	90.2	92.7	93.1	
Plating and polishing	3471	75.2	75.0	76.5	76.6		61.0	60.7	62.1	61.8	
Metal coating and allied services	3479	37.5	37.6	39.2	39.8		29.3	29.5	30.6	31.3	
Ordnance and accessories, nec	348	77.8	78.6	81.1	81.0		48.5	48.9	51.3	52.0	
Ammunition, except for small arms, nec	3483	44.2	44.3	46.9	46.9		27.0	26.9	29.3	29.8	
Misc. fabricated metal products	349	219.6	218.2	208.3	208.6		158.1	156.8	149.6	150.4	
Valves and pipe fittings	3494	84.5	84.1	78.1	77.6		56.1	56.0	51.5	51.3	
Misc. fabricated wire products	3496	51.2	51.0	50.4	50.8		38.7	38.5	37.9	38.4	
Machinery, except electrical	35	2,126.7	2,122.3	2,024.8	2,042.6	2,046.2	1,276.3	1,274.5	1,202.5	1,217.2	1,222.3
Engines and turbines	351	100.2	100.3	94.0	94.2		63.4	63.4	59.0	59.0	
Turbines and turbine generator sets	3511	32.7	32.7	29.8	29.5		17.4	17.6	16.1	15.7	
Internal combustion engines, nec	3519	67.5	67.6	64.2	64.7		46.0	45.8	42.9	43.3	
Farm and garden machinery	352	98.5	99.2	89.5	100.9		67.5	68.6	57.7	68.2	
Farm machinery and equipment	3523	70.8	71.5	61.1	70.6		45.9	46.7	35.8	44.4	
Construction and related machinery	353	243.6	240.1	210.2	216.5		149.5	147.4	122.8	128.7	
Construction machinery	3531	83.8	84.1	73.5	78.8		51.0	51.3	41.9	47.1	
Mining machinery	3532	19.5	19.3	17.8	18.7		12.3	12.1	10.5	11.3	
Oil field machinery	3533	59.7	56.2	40.2	40.1		36.9	34.6	23.5	23.3	
Conveyors and conveying equipment	3535	30.5	30.5	30.2	30.2		16.3	16.5	15.5	15.5	
Industrial trucks and tractors	3537	25.0	24.9	24.5	24.7		17.4	17.3	17.3	17.4	
Metalworking machinery	354	308.1	308.6	301.5	300.5		220.2	220.1	215.3	213.9	
Machine tools, metal cutting types	3541	53.5	53.5	49.3	48.5		33.8	33.6	31.2	30.3	
Machine tools, metal forming types	3542	18.6	18.6	18.1	18.2		11.3	11.2	11.0	11.0	
Special dies, tools, jigs, and fixtures	3544	143.1	143.8	144.9	145.0		111.0	111.7	111.8	111.5	
Machine tool accessories	3545	54.9	54.8	52.7	52.6		38.1	38.0	36.6	36.6	
Power driven hand tools	3546	21.2	21.3	20.3	20.2		15.4	15.4	14.7	14.7	
Special industry machinery	355	163.8	164.3	158.7	158.5		97.3	97.2	93.8	94.3	
Food products machinery	3551	38.3	38.8	38.2	38.2		23.3	23.5	23.1	23.2	
Textile machinery	3552	17.8	18.0	18.7	18.8		12.0	12.1	12.5	12.7	
Printing trades machinery	3555	29.0	29.1	28.1	27.8		16.9	16.8	16.3	16.1	
General industrial machinery	356	265.3	264.6	260.4	260.5		167.9	167.7	166.1	165.6	
Pumps and pumping equipment	3561	49.2	48.7	45.4	45.7		29.2	28.9	26.2	26.1	
Ball and roller bearings	3562	46.2	46.1	45.6	45.9		33.8	33.9	34.6	34.6	
Air and gas compressors	3563	24.4	24.1	23.3	23.3		13.9	13.5	13.0	13.0	
Blowers and fans	3564	31.6	31.6	32.6	32.4		19.7	19.9	20.9	20.9	
Speed changers, drives, and gears	3566	20.4	20.6	20.7	20.6		14.2	14.4	14.1	13.9	
Power transmission equipment, nec	3568	16.0	15.9	15.8	15.7		10.7	10.7	10.8	10.6	
Office and computing machines	357	489.3	486.7	461.2	460.3		173.0	171.7	154.5	152.7	
Electronic computing equipment	3573	426.0	423.3	400.8	400.5		142.1	140.4	125.2	124.3	
Refrigeration and service machinery	358	169.9	170.2	169.2	171.3		118.9	119.3	120.5	122.4	
Refrigeration and heating equipment	3585	120.5	120.8	122.5	124.1		86.5	86.8	89.3	90.7	
Misc. machinery, except electrical	359	288.0	288.3	280.1	279.9		218.6	219.1	212.8	212.4	
Carburetors, pistons, rings, and valves	3592	36.0	36.6	34.0	34.3		29.3	29.8	28.1	28.4	
Machinery, except electrical, nec	3599	252.0	251.7	246.1	245.6		189.3	189.3	184.7	184.0	
Electrical and electronic equipment	36	2,176.3	2,175.3	2,155.6	2,149.9	2,146.6	1,257.1	1,254.9	1,247.9	1,244.0	1,244.8
Electric distributing equipment	361	115.9	116.7	114.4	114.1		83.6	84.3	83.3	83.1	
Transformers	3612	53.3	53.8	53.8	53.6		39.2	39.7	40.0	39.8	
Switchgear and switchboard apparatus	3613	62.6	62.9	60.6	60.5		44.4	44.6	43.3	43.3	
Electrical industrial apparatus	362	197.4	197.7	197.3	196.9		138.8	138.6	137.3	136.6	
Motors and generators	3621	98.7	98.9	99.9	99.7		76.5	76.5	76.4	76.2	
Industrial controls	3622	62.4	62.4	61.1	60.6		37.5	37.3	35.9	35.5	
Household appliances	363	133.9	135.3	138.9	139.3		104.7	106.2	109.6	109.9	
Household refrigerators and freezers	3632	25.5	26.4	27.3	27.5		20.0	20.9	22.3	22.4	
Household laundry equipment	3633	21.7	21.9	23.0	23.0		17.5	17.6	17.8	18.1	
Electric housewares and fans	3634	35.6	35.9	35.8	35.4		26.3	26.9	27.3	27.1	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	196.5	194.9	189.1	189.7		142.2	141.1	136.1	136.7	
Electric lamps	3641	27.5	27.4	27.4	27.5		23.7	23.6	23.3	23.4	
Current-carrying wiring devices	3643	79.6	79.2	75.0	75.1		52.2	52.2	48.5	48.8	
Noncurrent-carrying wiring devices ..	3644	17.9	17.7	16.8	16.7		12.6	12.5	12.0	11.8	
Residential lighting fixtures	3645	27.5	26.6	26.2	27.0		21.1	20.2	19.9	20.6	
Radio and TV receiving equipment ..	365	80.2	79.3	77.6	77.3		55.6	54.6	52.4	52.2	
Radio and TV receiving sets	3651	63.1	62.8	60.5	59.9		43.6	43.2	40.4	39.8	
Communication equipment	366	663.1	663.0	652.3	648.6		277.2	275.8	271.0	269.7	
Telephone and telegraph apparatus ..	3661	127.0	125.7	117.0	115.9		73.8	73.0	68.6	68.3	
Radio and TV communication equipment ..	3662	536.1	537.3	535.3	532.7		203.4	202.8	202.4	201.4	
Electronic components and accessories ..	367	637.7	638.1	635.1	633.9		350.0	351.4	353.1	351.5	
Electronic tubes	3671-3	42.5	42.8	41.6	41.3		24.9	25.4	25.8	25.6	
Semiconductors and related devices ..	3674	266.8	267.1	263.4	263.0		99.4	99.4	101.0	100.3	
Electronic components, nec	3679	259.9	259.7	261.2	260.8		175.1	175.5	174.6	173.9	
Misc. electrical equipment and supplies ..	369	151.6	150.3	150.9	150.1		105.0	102.9	105.1	104.3	
Storage batteries	3691	28.5	27.7	29.5	28.9		22.5	21.6	22.9	22.4	
Engine electrical equipment ..	3694	64.1	63.8	64.6	64.2		47.9	47.0	49.4	48.9	
Transportation equipment	37	1,997.6	1,991.3	1,978.7	1,988.3	1,980.2	1,260.8	1,253.6	1,240.5	1,250.5	1,242.8
Motor vehicles and equipment	371	861.3	857.7	822.2	833.2	821.8	664.5	661.2	634.8	645.4	634.6
Motor vehicles and car bodies ..	3711	394.9	392.0	364.6	375.4	-	294.5	291.5	271.0	280.2	-
Truck and bus bodies	3713	37.3	37.3	38.7	39.7		29.0	29.1	30.1	31.0	
Motor vehicle parts and accessories ..	3714	386.9	384.6	375.9	374.0		309.0	307.0	300.8	300.3	
Truck trailers	3715	26.1	27.1	26.9	27.5		19.6	20.6	20.5	21.1	
Aircraft and parts ..	372	665.5	661.9	689.1	687.4		324.2	320.9	342.2	341.1	
Aircraft	3721	346.6	347.4	367.4	367.6		146.6	147.7	164.2	163.6	
Aircraft engines and engine parts ..	3724	153.3	147.9	152.3	151.8		80.6	75.5	78.3	77.7	
Aircraft equipment, nec ..	3728	165.6	166.6	169.4	168.0		97.0	97.7	99.7	99.8	
Ship and boat building and repairing ..	373	186.7	186.4	182.2	182.4		140.7	139.9	135.8	135.6	
Ship building and repairing ..	3731	139.6	138.0	132.8	131.8		102.7	100.8	96.0	94.7	
Boat building and repairing ..	3732	47.1	48.4	49.4	50.6		38.0	39.1	39.8	40.9	
Railroad equipment	374	31.4	31.6	25.5	25.0		21.9	22.2	17.1	16.8	
Guided missiles, space vehicles, and parts ..	376	184.7	185.7	194.0	193.1		62.7	62.8	65.7	65.6	
Guided missiles and space vehicles ..	3761	142.3	143.0	148.1	147.9		46.8	46.9	47.8	48.2	
Miscellaneous transportation equipment ..	379	55.0	55.1	53.9	55.2		37.6	37.5	36.8	37.7	
Travel trailers and campers ..	3792	21.1	21.5	21.7	22.8		16.6	16.9	17.0	17.9	
Instruments and related products	38	722.8	724.2	706.5	705.0	706.6	391.0	392.1	383.0	382.8	383.7
Engineering and scientific instruments ..	381	83.7	83.9	82.4	82.6	-	35.8	36.3	36.5	36.7	-
Measuring and controlling devices ..	382	252.3	252.8	245.3	244.3		138.9	139.3	135.3	135.7	
Environmental controls	3822	42.7	43.0	41.4	41.6		27.2	27.4	25.8	26.5	
Process control instruments	3823	55.4	55.4	53.1	52.3		28.4	28.4	27.1	26.9	
Instruments to measure electricity ..	3825	109.8	109.9	104.5	104.3		55.6	55.6	51.9	52.0	
Optical instruments and lenses	383	32.9	32.8	31.2	31.1		16.3	16.2	15.3	15.3	
Medical instruments and supplies	384	180.8	182.0	183.7	182.6		109.1	109.9	111.1	110.4	
Surgical and medical instruments ..	3841	85.8	86.6	87.1	86.4		48.8	49.3	50.7	50.3	
Surgical appliances and supplies ..	3842	80.0	80.4	81.7	81.3		52.0	52.3	52.0	51.8	
Ophthalmic goods	385	39.7	39.4	41.5	42.1		26.4	26.1	28.1	28.4	
Photographic equipment and supplies ..	386	122.0	122.1	111.2	110.9		56.5	56.5	48.7	48.3	
Watches, clocks, and watchcases ..	387	11.4	11.2	11.2	11.4		8.0	7.8	8.0	8.0	
Miscellaneous manufacturing	39	363.3	366.0	359.5	364.2	369.3	260.6	263.3	260.3	264.5	269.3
Jewelry, silverware, and plated ware ..	391	53.6	54.0	51.6	52.0	-	36.1	36.6	35.6	35.9	-
Jewelry, precious metal ..	3911	36.2	36.5	34.6	34.8		24.3	24.5	23.5	23.7	
Musical instruments	393	14.0	14.4	15.2	15.2		11.1	11.5	12.4	12.4	
Toys and sporting goods	394	94.7	96.2	94.3	97.6		69.3	70.7	70.1	72.8	
Dolls, games, toys, and children's vehicles ..	3942,4	42.3	43.3	40.8	43.3		28.5	29.5	28.9	31.1	
Sporting and athletic goods, nec ..	3949	52.4	52.9	53.5	54.3		40.8	41.2	41.2	41.7	
Pens, pencils, office, and art supplies ..	395	32.0	32.0	31.4	31.8		21.4	21.4	21.6	21.7	
Costume jewelry and notions	396	37.7	38.1	38.9	39.8		28.4	28.8	29.9	30.9	
Costume jewelry	3961	21.1	21.3	22.6	23.6		15.9	16.0	17.5	18.5	
Miscellaneous manufactures	399	131.3	131.3	128.1	127.8		94.3	94.3	90.7	90.8	
Signs and advertising displays	3993	54.5	55.2	54.5	53.6		38.3	38.8	37.7	37.2	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Nondurable goods		7,756	7,764	7,812	7,831	7,836	5,448	5,454	5,508	5,527	5,534
Food and kindred products	20	1,574.3	1,573.0	1,604.4	1,600.5	1,596.1	1,092.7	1,090.1	1,120.4	1,117.0	1,114.0
Meat products	201	371.3	372.9	384.0	382.8	-	315.3	316.3	325.1	324.2	-
Meat packing plants	2011	141.4	141.6	141.3	140.0	-	118.5	118.4	118.1	116.8	-
Sausages and other prepared meats	2013	73.7	73.6	74.3	73.8	-	53.8	53.6	54.5	54.1	-
Poultry dressing plants	2016	132.5	134.0	143.3	143.8	-	121.5	122.7	129.3	130.0	-
Dairy products	202	160.3	161.3	162.8	162.4	-	94.5	95.4	97.5	97.3	-
Cheese, natural and processed	2022	38.5	39.0	38.6	38.5	-	29.5	29.8	29.8	29.8	-
Fluid milk	2026	86.5	86.8	88.1	88.0	-	42.1	42.4	44.0	44.1	-
Preserved fruits and vegetables	203	208.8	210.4	211.9	214.9	-	167.8	169.2	169.8	172.5	-
Canned specialties	2032	24.3	23.5	24.1	24.3	-	17.1	16.4	17.0	16.9	-
Canned fruits and vegetables	2033	64.3	65.2	68.9	69.7	-	50.5	51.0	54.0	54.7	-
Frozen fruits and vegetables	2037	46.7	47.9	41.6	45.7	-	40.4	41.6	35.9	40.0	-
Grain mill products	204	123.2	122.8	122.5	122.8	-	83.7	83.2	84.0	84.3	-
Flour and other grain mill products	2041	22.3	22.1	22.5	22.3	-	15.0	14.9	15.2	15.1	-
Prepared feeds, nec	2048	44.5	44.3	43.2	43.1	-	27.8	27.5	27.2	27.2	-
Bakery products	205	210.2	210.7	214.9	213.3	-	124.7	125.7	129.6	128.6	-
Bread, cake, and related products	2051	166.4	166.2	168.8	167.6	-	89.6	89.9	92.3	91.5	-
Cookies and crackers	2052	43.8	44.5	46.1	45.7	-	35.1	35.8	37.3	37.1	-
Sugar and confectionery products	206	96.5	89.9	103.4	99.2	-	75.0	68.9	80.9	77.3	-
Cane and beet sugar	2061-3	22.6	18.8	25.2	24.1	-	17.7	14.2	19.8	19.0	-
Confectionery products	2065	53.8	52.1	57.9	55.1	-	43.6	42.1	47.3	44.7	-
Fats and oils	207	35.6	35.6	33.9	34.9	-	26.2	26.2	24.6	25.3	-
Beverages	208	210.8	212.2	211.9	212.4	-	88.8	89.5	91.4	91.4	-
Malt beverages	2082	43.0	43.2	42.4	42.8	-	27.2	27.4	26.6	27.2	-
Bottled and canned soft drinks	2086	124.0	124.7	124.7	124.1	-	39.5	40.0	40.7	40.3	-
Misc. food and kindred products	209	157.6	157.2	159.1	157.8	-	116.7	115.7	117.5	116.1	-
Tobacco manufactures	21	63.0	60.9	61.7	59.8	56.9	47.1	45.2	46.9	45.0	41.9
Cigarettes	211	43.6	43.2	43.0	42.5	-	32.0	31.8	31.9	31.4	-
Textile mill products	22	700.4	703.4	718.6	721.5	723.5	605.1	607.8	623.4	626.4	628.9
Weaving mills, cotton	221	101.6	101.5	102.0	102.8	-	91.7	91.5	91.9	92.7	-
Weaving mills, synthetics	222	89.2	88.8	91.5	91.6	-	79.3	79.1	81.5	81.6	-
Weaving and finishing mills, wool	223	16.6	16.7	16.7	16.8	-	14.0	14.0	13.7	13.8	-
Narrow fabric mills	224	21.1	21.3	21.3	21.6	-	18.1	18.4	18.5	18.8	-
Knitting mills	225	199.3	200.7	204.9	206.0	-	173.0	174.1	179.8	180.8	-
Women's hosiery, except socks	2251	35.3	35.6	35.3	35.2	-	31.4	31.6	31.3	31.4	-
Hosiery, nec	2252	34.2	34.7	35.2	35.4	-	30.5	30.9	31.6	31.7	-
Knit outerwear mills	2253	65.3	66.0	69.9	70.4	-	57.0	57.7	62.2	62.7	-
Knit underwear mills	2254	24.0	23.5	23.2	23.1	-	19.8	19.3	19.9	19.9	-
Circular knit fabric mills	2257	22.4	22.8	23.4	23.6	-	19.3	19.7	20.3	20.5	-
Textile finishing, except wool	226	58.4	58.4	58.9	58.8	-	49.0	49.2	49.3	49.4	-
Finishing plants, cotton	2261	22.6	22.5	22.8	22.8	-	19.2	19.2	19.3	19.4	-
Finishing plants, synthetics	2262	21.5	21.5	21.8	21.7	-	17.5	17.5	17.6	17.6	-
Floor covering mills	227	57.3	57.6	59.4	59.5	-	47.4	47.6	48.4	48.6	-
Yarn and thread mills	228	101.9	102.8	108.1	108.2	-	90.3	90.9	96.8	97.0	-
Yarn mills, except wool	2281	72.8	73.4	77.7	78.3	-	65.6	66.1	70.4	71.0	-
Throwing and winding mills	2282	16.0	16.1	17.3	17.1	-	14.0	13.8	15.3	15.0	-
Miscellaneous textile goods	229	55.0	55.6	55.8	56.2	-	42.3	43.0	43.5	43.7	-
Apparel and other textile products	23	1,123.2	1,119.9	1,108.2	1,117.3	1,119.1	947.6	944.2	935.1	943.4	943.9
Men's and boys' suits and coats	231	62.0	60.6	60.0	59.7	-	53.5	52.2	51.6	51.3	-
Men's and boys' furnishings	232	317.3	315.5	315.7	316.6	-	274.7	273.1	273.1	273.7	-
Men's and boys' shirts and nightwear	2321	84.3	84.8	85.5	85.6	-	72.9	73.2	73.3	73.4	-
Men's and boys' separate trousers	2327	57.4	57.0	54.3	53.8	-	50.2	49.9	47.8	47.2	-
Men's and boys' work clothing	2328	99.9	97.3	98.7	98.9	-	87.7	85.4	86.6	86.7	-
Women's and misses' outerwear	233	363.8	365.5	348.2	357.1	-	305.3	306.9	292.9	301.2	-
Women's and misses' blouses and waists	2331	52.7	52.5	51.8	52.9	-	44.1	43.8	43.0	43.8	-
Women's and misses' dresses	2335	97.0	99.4	88.0	91.4	-	82.2	84.7	73.0	76.4	-
Women's and misses' suits and coats	2337	41.4	40.6	40.0	42.8	-	34.0	33.0	32.2	34.8	-
Women's and misses' outerwear, nec	2339	172.7	173.0	168.4	170.0	-	145.0	145.4	144.7	146.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	77.4	76.2	73.8	73.5		64.7	63.7	61.3	60.9	
Women's and children's underwear	2341	61.7	60.5	59.2	59.0		53.1	52.0	50.7	50.4	
Brassieres and allied garments ..	2342	15.7	15.7	14.6	14.5		11.6	11.7	10.6	10.5	
Children's outerwear	236	63.5	61.6	63.6	61.9		53.6	51.3	53.6	52.2	
Children's dresses and blouses	2361	26.3	25.1	26.9	26.1		23.3	21.9	23.7	23.0	
Misc. apparel and accessories	238	41.7	41.8	41.1	41.7		34.7	34.6	34.2	34.7	
Misc. fabricated textile products	239	179.4	180.8	187.7	188.8		146.7	148.2	154.1	155.1	
Curtains and draperies	2391	25.6	26.2	27.5	27.3		20.5	21.0	22.2	22.0	
House furnishings, nec	2392	49.6	49.8	51.0	51.5		41.8	42.0	43.1	43.6	
Automotive and apparel trimmings ..	2396	36.9	37.6	39.5	39.4		30.7	31.5	33.2	33.3	
Paper and allied products	26	682.1	684.7	690.3	689.7	690.1	516.8	519.4	523.6	523.7	523.3
Paper and pulp mills	261,2,6	195.9	196.2	196.5	196.1	-	150.0	150.2	149.6	149.0	-
Paper mills, except building paper	262	171.8	171.9	172.2	171.3		130.5	130.7	130.3	129.6	
Paperboard mills	263	55.2	55.1	54.8	54.7		42.3	42.1	41.6	41.2	
Misc. converted paper products	264	235.1	236.8	239.9	240.4		172.6	174.6	177.7	179.1	
Paper coating and glazing ..	2641	58.9	58.7	59.8	59.6		36.8	36.6	37.6	38.1	
Envelopes	2642	27.6	27.7	28.1	28.0		21.2	21.4	22.1	22.1	
Bags, except textile bags	2643	52.6	52.7	54.4	54.6		41.3	41.5	43.2	43.4	
Paperboard containers and boxes ..	265	195.9	196.6	199.1	198.5		151.9	152.5	154.7	154.4	
Folding paperboard boxes	2651	42.2	42.6	42.8	42.6		33.3	33.7	33.7	33.6	
Corrugated and solid fiber boxes	2653	103.7	104.0	104.3	104.1		78.7	78.8	79.3	79.1	
Sanitary food containers	2654	23.7	23.8	24.5	24.6		19.8	20.0	20.9	21.1	
Printing and publishing ..	27	1,465.2	1,470.8	1,498.9	1,504.1	1,507.2	814.5	819.5	838.0	840.2	842.8
Newspapers ..	271	458.5	458.7	461.3	461.0	-	170.7	170.2	171.5	171.4	-
Periodicals ..	272	112.8	112.1	113.9	115.1		32.3	32.6	37.2	37.0	
Books	273	112.7	114.0	116.5	117.4		60.1	61.0	62.2	63.2	
Book publishing ..	2731	82.9	84.1	86.4	87.2		36.2	37.2	38.4	39.3	
Book printing	2732	29.8	29.9	30.1	30.2		23.9	23.8	23.8	23.9	
Miscellaneous publishing	274	77.2	78.4	85.1	86.1		42.1	42.6	46.0	46.8	
Commercial printing	275	507.5	510.7	522.8	525.2		369.2	372.4	378.5	379.2	
Commercial printing, letterpress	2751	164.3	164.7	169.2	168.8		120.1	120.9	122.8	122.3	
Commercial printing, lithographic	2752	315.6	318.0	324.1	327.1		227.6	229.5	232.7	233.5	
Manifold business forms	276	47.6	47.6	47.4	47.3		33.3	33.4	33.7	33.6	
Blankbooks and bookbinding	278	73.1	73.7	74.3	74.5		58.9	59.4	59.7	59.9	
Printing trade services ..	279	52.8	52.8	54.9	55.0		39.5	39.6	41.3	41.2	
Chemicals and allied products	28	1,028.3	1,029.8	1,013.8	1,017.2	1,017.8	571.8	573.0	566.2	571.7	572.6
Industrial inorganic chemicals	281	139.0	138.9	133.5	133.5	-	71.0	70.8	68.7	68.9	-
Industrial inorganic chemicals, nec	2819	90.9	91.1	88.1	88.3		48.6	48.7	48.7	49.2	
Plastics materials and synthetics	282	167.9	167.8	164.6	163.9		112.8	113.2	110.5	109.8	
Plastics materials and resins	2821	74.3	74.1	74.6	74.5		44.7	44.8	44.4	44.1	
Organic fibers, noncellulosic	2824	63.2	63.1	59.9	59.8		45.1	45.2	43.3	43.3	
Drugs	283	203.8	204.3	207.0	207.7		95.4	96.0	96.5	97.7	
Pharmaceutical preparations	2834	164.3	164.8	167.1	167.8		76.1	76.7	77.2	78.4	
Soap, cleaners, and toilet goods	284	145.0	146.3	146.9	149.2		90.9	92.6	91.8	94.5	
Soap and other detergents	2841	41.2	41.1	41.1	41.0		26.2	26.3	25.8	25.9	
Toilet preparations	2844	63.5	64.7	64.9	66.7		42.9	44.3	44.3	46.1	
Polishing, sanitation, and finishing preparations	2842,3	40.3	40.5	40.9	41.5		21.8	22.0	21.7	22.5	
Paints and allied products	285	63.0	63.1	61.8	62.4		30.2	30.2	30.2	30.5	
Industrial organic chemicals	286	157.0	155.8	151.5	151.4		81.4	80.9	82.4	83.6	
Cyclic crudes and intermediates	2865	30.5	30.1	28.6	28.6		20.3	20.0	19.1	19.1	
Gum, wood, and industrial organic chemicals, nec ..	2861,9	126.5	125.7	122.9	122.8		61.1	60.9	63.3	64.5	
Agricultural chemicals	287	58.4	59.2	55.7	56.4		36.3	36.9	34.3	35.0	
Miscellaneous chemical products	289	94.2	94.4	92.8	92.7		53.8	52.4	51.8	51.7	
Petroleum and coal products	29	163.3	163.7	155.3	155.3	155.8	100.2	100.8	99.0	99.7	101.4
Petroleum refining	291	129.7	129.2	120.7	120.4	-	77.3	77.1	75.2	75.7	-
Paving and roofing materials	295	22.6	23.5	23.8	24.0		16.5	17.4	17.8	17.9	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Nondurable goods—Continued											
Rubber and misc. plastics products	30	797.6	800.5	811.4	815.0	818.8	620.9	624.5	631.2	635.3	639.3
Tires and inner tubes	301	90.3	90.1	86.7	86.5	-	63.6	64.5	62.8	63.0	-
Rubber and plastics footwear	302	12.6	12.5	11.7	11.7	-	10.7	10.7	9.8	9.7	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	21.6	21.7	21.7	21.5	-	14.6	14.7	15.5	15.4	-
Fabricated rubber products, nec	306	108.6	109.2	108.8	109.6	-	83.4	84.0	83.4	84.3	-
Miscellaneous plastics products	307	564.5	567.0	582.5	585.7	-	448.6	450.6	459.7	462.9	-
Leather and leather products	31	158.7	157.0	149.5	150.1	150.9	131.1	129.8	124.0	124.7	125.4
Leather tanning and finishing	311	14.2	14.1	13.5	13.6	-	11.8	11.8	11.2	11.1	-
Footwear, except rubber	314	95.7	94.6	88.3	88.7	-	80.8	79.8	75.1	75.8	-
Men's footwear, except athletic	3143	41.0	40.7	37.7	37.9	-	32.9	32.5	30.5	30.9	-
Women's footwear, except athletic	3144	34.3	33.5	33.4	33.2	-	30.1	29.4	29.7	29.5	-
Luggage	316	10.9	11.0	10.5	10.4	-	7.9	8.1	7.5	7.5	-
Handbags and personal leather goods	317	20.9	20.1	18.9	19.0	-	16.9	16.1	15.3	15.3	-
Transportation and public utilities ..		5,206	5,215	5,312	5,316	5,344	4,311	4,312	4,386	4,391	4,420
Transportation ..		2,990	3,001	3,083	3,083	3,108					
Railroad transportation ..	40	325.0	325.5	298.3	291.4						
Class I railroads ² ..	4011	294.0	295.0	268.5	261.9						
Local and interurban passenger transit ..	41	288.4	290.4	295.1	296.7		267.5	269.7	273.2	274.9	
Local and suburban transportation	411	94.7	95.0	96.1	97.0		87.4	87.7	88.2	89.0	
Taxicabs	412	37.8	37.5	37.1	37.4		-	-	-	-	
Intercity highway transportation	413	35.7	35.4	33.9	33.7		32.2	32.0	30.8	30.8	
School buses	415	97.9	99.0	103.8	103.5		-	-	-	-	
Trucking and warehousing	42	1,359.2	1,364.8	1,417.7	1,417.5		1,178.7	1,183.6	1,232.9	1,232.4	
Trucking and trucking terminals ..	421,3	1,265.2	1,272.6	1,316.7	1,318.6		1,100.0	1,106.6	1,148.0	1,149.7	
Public warehousing	422	94.0	92.2	101.0	98.9		78.7	77.0	84.9	82.7	
Water transportation	44	177.1	179.7	175.2	175.2						
Local water transportation	445	25.5	25.9	24.9	25.1						
Water transportation services ..	446	94.7	96.5	98.7	98.0						
Transportation by air ..	45	536.2	535.7	583.0	583.8						
Air transportation	451,2	471.0	469.6	514.0	515.3						
Air transportation services ..	458	65.2	66.1	69.0	68.5						
Pipe lines, except natural gas ..	46	18.5	18.3	17.7	17.6		13.5	13.4	12.9	12.8	
Transportation services ..	47	285.7	286.4	296.0	300.5						
Freight forwarding ..	471	64.5	65.7	73.7	74.6						
Communication and public utilities		2,216	2,214	2,229	2,233	2,236	-	-	-	-	
Communication	48	1,298.7	1,298.6	1,303.6	1,307.4	-	993.2	994.3	979.9	984.5	
Telephone communication	481	884.8	883.5	887.2	889.1	-	660.6	660.1	644.2	646.8	
Radio and television broadcasting ..	483	242.0	243.3	241.3	240.6	-	198.2	199.5	198.6	198.4	
Radio broadcasting	4832	115.7	116.1	116.1	115.2	-	-	-	-	-	
Television broadcasting ..	4833	126.3	127.2	125.2	125.4	-	-	-	-	-	
Electric, gas, and sanitary services	49	917.7	915.1	925.2	925.3		729.2	727.0	730.3	729.8	
Electric services	491	451.1	451.2	458.8	459.5		348.9	349.0	351.4	351.6	
Gas production and distribution	492	167.6	165.1	163.0	162.5		131.7	129.6	128.8	128.5	
Combination utility services ..	493	205.0	204.8	204.7	204.7		169.0	168.8	166.5	166.0	
Sanitary services	495	67.8	67.6	70.9	70.8		58.4	58.2	61.4	61.5	
Wholesale trade ..		5,794	5,803	5,826	5,826	5,842	4,648	4,651	4,658	4,656	4,665
Durable goods	50	3,461	3,466	3,478	3,476	3,484	2,759	2,760	2,759	2,753	
Motor vehicles and automotive equipment	501	426.2	424.7	428.9	426.7	-	340.9	339.5	343.6	341.7	
Automobiles and other motor vehicles	5012	107.7	107.5	108.5	108.0	-	-	-	-	-	
Automotive parts and supplies	5013	287.7	286.4	289.1	287.9	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	133.6	133.1	137.4	137.8		108.0	107.4	110.2	110.4	
Furniture	5021	57.5	57.5	59.3	59.5		-	-	-	-	
Home furnishings	5023	76.1	75.6	78.1	78.3		-	-	-	-	
Lumber and construction materials	503	218.8	220.4	228.9	228.2		179.1	180.5	187.5	186.4	
Lumber, plywood, and millwork	5031	101.4	102.0	105.5	105.8		-	-	-	-	
Construction materials, nec	5039	117.4	118.4	123.4	122.4		-	-	-	-	
Sporting goods, toys, and hobby goods	504	82.0	83.1	81.8	82.4		67.3	68.2	67.0	67.4	
Metals and minerals, except petroleum	505	139.5	139.4	135.7	135.9		110.4	110.1	106.2	106.3	
Electrical goods	506	500.4	500.5	495.7	494.8		385.5	385.4	377.1	375.8	
Electrical apparatus and equipment	5063	272.7	272.6	269.4	268.6		-	-	-	-	
Electrical appliances, TV and radios	5064	74.3	74.9	75.6	75.2		-	-	-	-	
Electronic parts and equipment	5065	153.4	153.0	150.7	151.0		-	-	-	-	
Hardware, plumbing, and heating equipment	507	260.7	261.3	269.8	268.0		209.4	208.4	217.2	215.4	
Hardware	5072	87.6	88.0	91.8	92.2		-	-	-	-	
Plumbing and hydronic heating supplies	5074	105.5	105.4	107.9	107.4		-	-	-	-	
Machinery, equipment, and supplies	508	1,501.7	1,504.6	1,498.6	1,501.7		1,199.5	1,200.9	1,189.1	1,190.3	
Commercial machines and equipment	5081	545.0	546.6	552.8	554.5		-	-	-	-	
Construction and mining machinery	5082	81.0	80.9	81.4	81.8		-	-	-	-	
Farm machinery and equipment	5083	124.2	125.4	123.4	123.9		-	-	-	-	
Industrial machinery and equipment	5084	326.1	324.4	307.0	307.0		-	-	-	-	
Industrial supplies	5085	133.2	133.5	133.4	133.6		-	-	-	-	
Professional equipment and supplies	5086	177.2	177.3	179.9	179.6		-	-	-	-	
Miscellaneous durable goods	509	198.3	198.7	201.2	200.0		159.3	159.3	160.7	159.2	
Scrap and waste materials	5093	90.7	90.6	90.7	90.3		-	-	-	-	
Nondurable goods											
Paper and paper products	511	2,333	2,337	2,348	2,350	2,358	1,889	1,891	1,899	1,903	
Drugs, proprietaries, and sundries	512	188.5	188.9	188.3	189.1	-	153.4	153.8	152.7	153.0	
Apparel, piece goods, and notions	513	170.9	170.9	172.3	173.7		142.3	142.3	142.4	143.3	
Groceries and related products	514	194.9	196.4	197.2	197.6		145.4	146.5	148.3	148.7	
Groceries, general line	5141	739.5	738.5	758.6	757.3		625.2	623.5	640.0	639.0	
Meats and meat products	5147	243.5	243.5	250.4	248.9		-	-	-	-	
Fresh fruits and vegetables	5148	66.0	65.8	66.1	66.1		-	-	-	-	
Chemicals and allied products	516	85.6	86.4	94.4	93.9		-	-	-	-	
Petroleum and petroleum products	517	131.9	132.6	129.2	129.1		95.3	96.0	92.9	92.9	
Petroleum bulk stations and terminals	5171	203.7	203.3	197.4	196.4		157.3	156.7	152.7	152.7	
Petroleum products, nec	5172	84.7	84.5	80.8	80.2		-	-	-	-	
Beer, wine, and distilled beverages	518	119.0	118.8	116.6	116.2		-	-	-	-	
Beer and ale	5181	147.5	147.9	150.8	150.4		121.6	121.9	123.7	123.8	
Wines and distilled beverages	5182	91.4	91.8	94.2	93.9		-	-	-	-	
Miscellaneous nondurable goods	519	56.1	56.1	56.6	56.5		-	-	-	-	
Farm supplies	5191	427.4	431.0	425.2	429.8		344.3	347.2	341.8	347.0	
Retail trade											
Building materials and garden supplies	52	17,315	17,418	18,033	17,880	17,988	15,378	15,470	16,023	15,865	15,962
Lumber and other building materials	521	656.8	667.9	673.1	672.3		549.2	559.0	556.4	555.7	
Hardware stores	525	351.2	354.8	366.7	365.1		297.0	300.5	308.4	307.1	
General merchandise stores	53	152.1	152.6	155.0	154.1		128.2	128.5	128.9	128.1	
Department stores	531	2,253.4	2,246.4	2,391.3	2,283.1	2,292.1	2,114.1	2,109.2	2,247.5	2,143.3	
Variety stores	533	1,903.0	1,896.6	2,020.6	1,923.0	-	1,803.2	1,798.7	1,918.3	1,824.3	
Misc. general merchandise stores	539	219.7	220.2	233.2	226.8		198.0	198.6	210.2	204.1	
Food stores	54	130.7	129.6	137.5	133.3		112.9	111.9	119.0	114.9	
Grocery stores	541	2,868.3	2,865.9	2,984.3	2,983.9	2,973.3	2,651.6	2,647.2	2,749.7	2,743.7	
Meat markets and freezer provisioners	542	2,504.1	2,498.2	2,599.4	2,597.1	-	2,329.3	2,321.7	2,406.9	2,399.5	
Dairy products stores	545	61.3	61.8	64.6	63.6		-	-	-	-	
Retail bakeries	546	46.1	46.3	48.2	48.6		-	-	-	-	
Automotive dealers and service stations	55	159.8	161.9	169.5	166.4		144.1	146.0	154.4	150.9	
New and used car dealers	551,2	1,908.9	1,917.6	1,969.7	1,962.8	1,967.3	1,592.6	1,599.8	1,648.0	1,640.4	
Auto and home supply stores	553	930.7	931.0	952.0	952.0	-	773.6	773.6	787.8	787.7	
Gasoline service stations	554	296.8	299.1	309.7	304.6		236.9	238.8	250.0	245.2	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a
Retail trade—Continued											
Apparel and accessory stores	56	1,044.8	1,049.3	1,116.3	1,082.5		879.2	882.3	944.4	911.5	
Men's and boys' clothing and furnishings	561	109.6	108.6	113.8	110.5		90.9	90.1	94.8	90.7	
Women's ready-to-wear stores	562	385.6	384.9	405.8	396.0		326.0	326.0	346.1	336.5	
Family clothing stores	565	215.2	217.0	236.7	223.2		186.9	187.3	205.3	192.4	
Shoe stores	566	205.6	210.5	214.2	209.3		165.3	169.6	172.4	168.3	
Furniture and home furnishings stores	57	769.8	770.4	813.4	803.8		640.3	640.4	676.4	667.4	
Furniture and home furnishings stores ..	571	425.3	427.2	454.1	450.5		348.9	350.9	373.8	369.9	
Furniture stores	5712	266.9	268.3	283.7	282.5		-	-	-	-	
Household appliance stores	572	87.9	86.7	88.1	86.2		74.9	73.7	75.1	73.5	
Radio, television, and music stores ..	573	256.6	256.5	271.2	267.1		216.5	215.8	227.5	224.0	
Radio and television stores	5732	186.0	186.4	196.2	194.5		-	-	-	-	
Music stores	5733	70.6	70.1	75.0	72.6		-	-	-	-	
Eating and drinking places ..	58	5,584.3	5,692.1	5,788.5	5,811.7	5,924.4	5,055.2	5,158.4	5,260.6	5,282.6	
Miscellaneous retail	59	2,229.0	2,208.6	2,296.8	2,279.9		1,896.1	1,873.4	1,940.2	1,920.6	
Drug stores and proprietary stores ..	591	553.1	555.4	577.1	574.6		473.0	474.9	492.0	488.2	
Liquor stores	592	127.1	127.9	131.1	128.7		-	-	-	-	
Miscellaneous shopping goods stores ..	594	735.0	729.1	779.6	754.4		615.6	610.3	654.9	631.5	
Sporting goods and bicycle shops ..	5941	125.7	123.6	135.0	130.1		-	-	-	-	
Book stores	5942	77.8	77.3	80.0	82.2		-	-	-	-	
Stationery stores ..	5943	77.6	76.9	78.5	78.2		-	-	-	-	
Jewelry stores	5944	148.6	147.3	156.0	147.9		-	-	-	-	
Gift, novelty, and souvenir shops	5947	129.5	130.7	134.0	131.2		-	-	-	-	
Sewing, needlework, and piece goods ..	5949	69.1	67.5	68.5	69.1		-	-	-	-	
Nonstore retailers	596	260.3	257.4	254.6	253.0		234.8	232.1	229.0	227.7	
Mail order houses	5961	123.9	122.1	123.6	120.6		-	-	-	-	
Merchandising machine operators ..	5962	81.9	81.8	82.2	83.3		-	-	-	-	
Fuel and ice dealers ..	598	113.5	112.6	121.3	121.2		95.8	94.8	101.7	101.2	
Retail stores, nec	599	362.2	348.0	352.0	367.1		304.3	288.3	287.7	300.9	
Finance, insurance, and real estate³ ..		6,103	6,144	6,444	6,461	6,510	4,499	4,530	4,736	4,748	4,792
Finance ..		3,073	3,089	3,233	3,238	3,248					
Banking	60	1,738.0	1,742.4	1,756.0	1,751.3		1,265.9	1,269.2	1,269.8	1,264.3	
Commercial and stock savings banks ..	602	1,569.1	1,571.7	1,577.3	1,572.3		1,137.5	1,139.4	1,136.3	1,130.6	
State banks, Federal Reserve	6022	342.0	342.2	351.2	350.2		-	-	-	-	
State banks, not Federal Reserve ..	6023,4	380.8	381.7	384.7	383.7		-	-	-	-	
Mutual savings banks ..	603	81.6	82.1	87.1	86.5		-	-	-	-	
Credit agencies other than banks ..	61	801.2	808.7	884.5	887.2		608.8	614.7	671.6	673.4	
Savings and loan associations	612	362.5	364.4	390.5	391.6		277.2	278.6	299.5	299.9	
Federal savings and loan associations ..	6122	203.5	204.9	219.9	220.4		-	-	-	-	
State associations, insured ..	6123	148.4	148.7	158.7	159.4		-	-	-	-	
Personal credit institutions	614	225.7	228.3	237.5	237.8		176.8	179.2	186.7	186.9	
Business credit institutions	615	52.9	53.4	55.3	54.8		-	-	-	-	
Mortgage bankers and brokers	616	136.2	138.8	176.3	178.2		-	-	-	-	
Security, commodity brokers, and services ..	62	366.9	369.9	410.8	413.9						
Security brokers and dealers ..	621	293.4	295.4	327.5	330.4						
Holding and other investment offices ..	67	167.3	167.7	182.0	185.7						
Insurance ..		1,887	1,898	1,998	2,007	2,016					
Insurance carriers ..	63	1,304.9	1,311.8	1,362.9	1,364.8		885.6	889.9	915.5	914.9	
Life insurance	631	554.5	555.5	562.1	562.3		337.7	338.2	339.0	338.5	
Medical service and health insurance	632	176.6	178.4	185.7	186.7		143.3	144.8	151.1	151.5	
Fire, marine, and casualty insurance ..	633	482.3	485.1	511.0	512.6		334.4	335.6	346.2	346.3	
Title insurance	636	53.7	54.4	60.6	60.9		-	-	-	-	
Insurance agents, brokers, and service	64	581.9	586.1	635.3	641.7						

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,143	1,157	1,213	1,216	1,246					
Real estate	65	1,129.1	1,142.9	1,199.3	1,202.6						
Real estate operators and lessors	651	494.4	498.5	506.7	503.7						
Real estate agents and managers	653	472.8	480.9	515.7	521.4						
Subdividers and developers	655	135.2	136.3	144.3	144.2						
Combined real estate, insurance, etc	66	14.0	14.0	13.4	13.5						
Services		22,389	22,593	23,268	23,498	23,737	19,670	19,858	20,338	20,551	20,762
Hotels and other lodging places	70	1,280.7	1,306.3	1,319.7	1,334.9		-	-	-	-	-
Hotels, motels, and tourist courts	701	1,248.8	1,273.6	1,288.4	1,302.9		1,118.7	1,141.8	1,140.7	1,154.2	
Personal services	72	1,119.7	1,123.8	1,147.1	1,160.3		-	-	-	-	-
Laundry, cleaning, and garment services	721	389.1	389.8	405.7	404.2		347.2	347.7	360.3	359.1	
Photographic studios, portrait	722	51.4	51.1	57.7	58.6		-	-	-	-	-
Beauty shops	723	343.4	345.1	353.2	356.5		309.7	312.4	318.0	321.1	
Funeral service and crematories	726	75.1	75.5	77.6	77.9		-	-	-	-	-
Business services	73	4,602.2	4,651.1	4,919.7	4,951.4	5,022.8	3,964.2	4,010.6	4,212.3	4,236.6	
Advertising	731	193.0	192.5	192.7	192.9	-	141.9	141.4	142.0	141.6	
Advertising agencies	7311	144.7	144.3	143.9	144.3						
Credit reporting and collection	732	91.3	92.5	102.1	102.4		-	-	-	-	-
Mailing, reproduction, and stenographic	733	196.4	198.1	209.1	210.5		-	-	-	-	-
Services to buildings	734	681.0	683.2	703.7	705.2		607.5	610.6	636.9	639.2	
Personnel supply services	736	919.1	959.5	1,055.0	1,068.7		-	-	-	-	-
Employment agencies	7361	167.2	169.7	197.4	199.0		-	-	-	-	-
Temporary help supply services	7362	706.2	743.4	813.1	824.4		-	-	-	-	-
Computer and data processing services	737	571.5	573.5	603.2	606.6		466.8	467.9	475.1	476.9	
Computer programming and software	7372	206.6	208.3	221.4	224.4		-	-	-	-	-
Data processing services	7374	269.4	268.2	280.8	282.8		-	-	-	-	-
Miscellaneous business services	739	1,941.2	1,943.1	2,044.6	2,055.8						
Research development laboratories, nec	7391	187.2	188.5	197.1	198.5						
Management and public relations	7392	535.6	537.8	571.8	580.9						
Detective and protective services	7393	438.6	437.9	451.5	450.7						
Equipment rental and leasing	7394	181.6	181.4	189.3	188.3						
Photofinishing laboratories	7395	75.9	76.4	79.4	77.8						
Auto repair, services, and garages	75	744.2	746.0	777.9	779.8		622.8	623.7	649.3	652.8	
Automotive rentals, without drivers	751	155.6	155.7	171.4	171.2		-	-	-	-	-
Automotive repair shops	753	451.2	452.0	463.4	462.1		375.2	375.9	384.5	384.2	
Miscellaneous repair services	76	328.8	328.5	326.3	325.9		274.0	273.3	270.4	270.1	
Electrical repair shops	762	103.2	103.8	106.4	107.2		-	-	-	-	-
Motion pictures	78	203.9	220.0	223.8	222.5		171.4	187.6	188.7	187.8	
Motion picture production and services	781	97.7	111.0	116.7	116.5		80.0	93.5	95.3	94.8	
Motion picture theaters	783	95.2	97.9	95.9	94.9		-	-	-	-	-
Amusement and recreation services	79	742.7	771.0	838.4	852.8		646.4	675.4	721.3	732.0	
Health services	80	6,451.1	6,484.3	6,743.1	6,763.4	6,794.8	5,736.6	5,760.6	5,990.8	6,009.0	
Offices of physicians	801	986.7	994.0	1,052.6	1,056.8	-	815.3	822.5	865.8	870.9	
Offices of dentists	802	448.1	450.4	468.3	469.6		397.8	396.4	413.1	414.4	
Nursing and personal care facilities	805	1,252.1	1,261.1	1,315.1	1,315.7		1,130.9	1,138.4	1,188.7	1,188.5	
Skilled nursing care facilities	8051	824.4	829.8	864.2	864.4		-	-	-	-	-
Nursing and personal care, nec	8059	427.7	431.3	450.9	451.3		-	-	-	-	-
Hospitals	806	3,011.1	3,018.2	3,084.5	3,094.4		2,746.0	2,750.8	2,812.3	2,821.5	
General medical and surgical hospitals	8062	2,827.4	2,834.3	2,895.7	2,904.7		-	-	-	-	-
Psychiatric hospitals	8063	58.5	58.6	60.0	60.4						
Specialty hospitals, excluding psychiatric	8069	125.2	125.3	128.8	129.3						
Medical and dental laboratories	807	123.8	124.4	135.9	136.1						
Outpatient care facilities	808	234.6	237.4	257.3	258.4						

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Services—Continued											
Legal services	81	710.0	710.5	759.6	762.3		601.2	602.2	636.8	639.4	
Educational services	82	1,458.7	1,465.6	1,377.1	1,467.0						
Elementary and secondary schools ..	821	400.3	399.7	393.2	395.4						
Colleges and universities	822	919.5	924.9	843.2	927.6						
Correspondence and vocational schools ..	824	68.5	69.2	68.1	69.2						
Social services	83	1,404.6	1,411.5	1,463.8	1,476.4						
Individual and family services	832	271.9	273.9	294.9	298.8						
Job training and related services ..	833	211.6	212.9	217.8	220.5						
Residential care	836	303.5	304.4	318.0	318.9						
Museums, botanical and zoological gardens ..	84	40.6	41.9	44.3	44.8						
Membership organizations ..	86	1,509.3	1,508.8	1,486.5	1,502.8						
Business associations ..	861	89.3	89.2	87.8	89.5						
Labor organizations	863	142.7	143.1	141.3	142.5						
Civic and social associations ..	864	333.0	331.3	317.0	328.8						
Miscellaneous services	89	1,290.3	1,299.5	1,317.1	1,331.0		1,058.9	1,066.3	1,069.9	1,082.7	
Engineering and architectural services	891	693.1	697.5	713.9	713.2		585.5	588.7	598.9	597.9	
Noncommercial research organizations ..	892	118.0	119.6	120.8	122.5		-	-	-	-	
Accounting, auditing, and bookkeeping ..	893	452.4	455.4	455.3	467.3		359.6	362.4	354.7	366.4	
Government ..		16,948	17,013	16,896	17,176	17,286					
Federal Government ⁴ ..		2,898	2,908	2,888	2,895	2,909					
Executive, by agency ⁴ ..		2,841.6	2,852.0	2,831.9							
Department of Defense ..		989.6	988.2	964.8							
Postal Service ⁵ ..		775.1	782.1	808.1							
Other executive agencies ..		1,076.9	1,081.7	1,059.0							
Legislative ..		38.0	37.7	37.6							
Judicial ..		18.2	18.3	18.9							
Federal government, by industry:											
Manufacturing activities ..		128.5	127.7	123.6	123.7						
Shipbuilding and repairing ..	3731	77.7	77.3	73.7	74.0						
Transportation and public utilities, except Postal											
Service ..		38.9	39.2	38.7	39.6						
Services ..		409.7	409.5	406.8	404.3						
Hospitals ..	806	251.4	251.0	250.1	246.8						
State government ..		4,014	4,029	3,947	4,076	4,107					
Hospitals ..	806	456.3	456.1	462.3	461.8	-					
Education ..	82	1,686.0	1,697.8	1,584.6	1,710.8						
General administration, including executive, legislative, and judicial functions ..		1,276.9	1,280.6	1,297.2	1,299.5						
Local government ..		10,036	10,076	10,061	10,205	10,270					
Transportation and public utilities ..		510.8	510.3	511.3	510.5	-					
Hospitals ..	806	617.0	617.1	628.1	629.5						
Education ..	82	5,735.3	5,765.0	5,723.8	5,856.0						
General administration, including executive, legislative, and judicial functions ..		2,873.8	2,884.5	2,904.9	2,911.8						

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Data relate to line haul railroads with operating revenues of \$50,000,000 or more.

³ Data for nonoffice sales agents are excluded from the nonsupervisory count for all series in this division.

⁴ Prepared by the Office of Personnel Management. Data relate to

civilian employment only and exclude the Central Intelligence Agency and the National Security Agency.

⁵ Includes rural mail carriers.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

B-3. Women employees on nonagricultural payrolls by major industry and manufacturing group

(In thousands)

Industry	Dec. 1985	Jan. 1986	Nov. 1986	Dec. 1986	Jan. 1987
Total	45,390	44,672	46,999	47,247	46,412
Total private	36,890	36,281	38,179	38,459	37,747
Goods-producing	6,858	6,815	6,949	6,928	6,858
Mining	119	119	101	101	100
Construction	483	484	527	524	519
Manufacturing	6,256	6,212	6,321	6,303	6,239
Durable goods	3,014	3,004	3,028	3,022	2,996
Lumber and wood products	108	107	117	117	116
Furniture and fixtures	154	153	158	158	159
Stone, clay, and glass products	113	112	115	114	113
Primary metal industries	103	102	101	100	100
Fabricated metal products	323	321	327	326	323
Machinery, except electrical	462	464	447	447	445
Electrical and electronic equipment	906	905	903	902	893
Transportation equipment	366	367	381	382	379
Instruments and related products	311	310	307	307	305
Miscellaneous manufacturing	169	163	173	170	163
Nondurable goods	3,242	3,208	3,293	3,281	3,243
Food and kindred products	503	482	529	518	497
Tobacco manufactures	24	23	22	21	21
Textile mill products	338	337	350	350	347
Apparel and other textile products	903	902	896	897	890
Paper and allied products	166	165	171	171	168
Printing and publishing	620	617	641	643	641
Chemicals and allied products	286	284	288	287	287
Petroleum and coal products	27	26	24	24	23
Rubber and misc. plastics products	278	278	282	282	282
Leather and leather products	98	95	91	89	88
Service-producing	38,532	37,857	40,050	40,319	39,554
Transportation and public utilities	1,481	1,469	1,525	1,530	1,525
Wholesale trade	1,673	1,669	1,732	1,732	1,713
Retail trade	9,650	9,148	9,793	10,039	9,493
Finance, insurance, and real estate	3,746	3,754	3,995	4,024	4,029
Services	13,482	13,426	14,185	14,206	14,129
Government	8,500	8,391	8,820	8,788	8,665
Federal	1,023	1,021	1,024	1,028	1,027
State	1,866	1,829	1,938	1,928	1,888
Local	5,611	5,541	5,858	5,832	5,750

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-4. Employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total	99,484	99,783	99,918	99,843	100,105	100,283	100,560	100,826	101,068	101,322	101,626	101,862	102,026
Total private ..	82,785	83,072	83,198	83,161	83,508	83,655	83,786	83,956	84,178	84,394	84,708	84,958	85,060
Goods-producing ..	24,945	25,038	24,965	24,854	24,869	24,888	24,858	24,865	24,891	24,920	25,008	25,040	24,972
Mining	852	821	790	772	768	753	743	746	742	738	731	732	735
Oil and gas extraction ..	518	488	461	446	442	431	422	423	420	414	412	414	418
Construction	4,838	4,972	4,974	4,947	4,980	5,012	5,010	5,001	4,993	4,996	5,109	5,094	5,047
General building contractors ..	1,298	1,315	1,314	1,299	1,299	1,306	1,301	1,302	1,307	1,298	1,333	1,322	1,302
Manufacturing ..	19,255	19,245	19,201	19,135	19,121	19,123	19,105	19,118	19,156	19,186	19,168	19,214	19,190
Durable goods	11,418	11,415	11,378	11,307	11,294	11,302	11,271	11,266	11,282	11,289	11,265	11,300	11,280
Lumber and wood products ..	715	719	719	721	724	729	734	737	743	749	754	755	752
Furniture and fixtures	493	494	496	496	498	499	500	500	500	500	503	503	504
Stone, clay, and glass products	594	600	599	597	593	592	594	590	591	594	595	598	594
Primary metal industries	787	785	780	761	758	751	749	749	751	752	741	753	755
Blast furnaces and basic steel products	293	291	288	286	285	272	270	272	271	270	264	274	276
Fabricated metal products	1,450	1,451	1,447	1,440	1,428	1,429	1,433	1,429	1,427	1,431	1,430	1,430	1,427
Machinery, except electrical	2,118	2,111	2,100	2,089	2,079	2,072	2,044	2,039	2,036	2,030	2,029	2,043	2,042
Electrical and electronic equipment	2,177	2,177	2,175	2,143	2,169	2,168	2,162	2,167	2,166	2,164	2,156	2,154	2,147
Transportation equipment	1,989	1,986	1,972	1,974	1,969	1,985	1,979	1,979	1,993	1,990	1,979	1,986	1,978
Motor vehicles and equipment	858	854	839	839	824	839	834	824	837	832	826	836	823
Instruments and related products	726	723	721	717	713	713	713	713	710	709	709	707	708
Miscellaneous manufacturing	369	369	369	369	363	364	363	363	365	370	369	371	373
Nondurable goods	7,837	7,830	7,823	7,828	7,827	7,821	7,834	7,852	7,874	7,897	7,903	7,914	7,910
Food and kindred products ..	1,632	1,633	1,640	1,648	1,645	1,642	1,644	1,644	1,654	1,657	1,654	1,657	1,656
Tobacco manufactures	63	63	62	62	62	59	60	59	61	60	59	60	59
Textile mill products	707	703	705	707	710	711	709	711	717	719	722	727	727
Apparel and other textile products	1,117	1,119	1,113	1,106	1,108	1,108	1,110	1,113	1,112	1,124	1,123	1,116	1,116
Paper and allied products	688	689	689	690	687	685	691	694	694	697	694	695	694
Printing and publishing	1,469	1,472	1,474	1,477	1,483	1,481	1,485	1,491	1,493	1,493	1,500	1,506	1,506
Chemicals and allied products	1,031	1,028	1,024	1,026	1,025	1,026	1,025	1,023	1,023	1,020	1,021	1,021	1,019
Petroleum and coal products	166	166	166	164	163	163	162	161	160	159	159	159	158
Rubber and misc. plastics products	804	800	796	797	792	794	797	805	809	815	819	820	821
Leather and leather products	160	157	154	151	152	152	151	151	151	153	152	153	154
Service-producing ..	74,539	74,745	74,953	74,989	75,236	75,395	75,702	75,961	76,177	76,402	76,618	76,822	77,054
Transportation and public utilities	5,280	5,266	5,265	5,167	5,288	5,255	5,316	5,316	5,351	5,359	5,382	5,389	5,411
Transportation	3,053	3,040	3,037	3,035	3,057	3,063	3,088	3,094	3,117	3,125	3,140	3,143	3,162
Communication and public utilities	2,227	2,226	2,228	2,132	2,231	2,192	2,228	2,222	2,234	2,234	2,242	2,246	2,249
Wholesale trade	5,841	5,864	5,872	5,829	5,849	5,863	5,859	5,864	5,859	5,859	5,864	5,876	5,880
Durable goods	3,480	3,485	3,488	3,454	3,483	3,485	3,485	3,489	3,489	3,491	3,495	3,497	3,498
Nondurable goods	2,361	2,379	2,384	2,375	2,366	2,378	2,374	2,375	2,370	2,368	2,369	2,379	2,382
Retail trade	17,828	17,851	17,911	17,944	17,992	18,030	18,065	18,143	18,197	18,206	18,289	18,376	18,411
General merchandise stores	2,333	2,342	2,344	2,350	2,354	2,359	2,362	2,379	2,367	2,341	2,333	2,366	2,380
Food stores	2,901	2,910	2,917	2,932	2,938	2,951	2,952	2,963	2,968	2,979	2,990	3,008	3,006
Automotive dealers and service stations	1,939	1,940	1,944	1,945	1,950	1,962	1,970	1,973	1,977	1,984	1,988	1,993	1,987
Eating and drinking places ..	5,868	5,859	5,889	5,918	5,931	5,923	5,948	5,982	6,006	6,035	6,080	6,092	6,108
Finance, insurance, and real estate	6,184	6,228	6,261	6,295	6,334	6,364	6,388	6,409	6,429	6,472	6,495	6,518	6,554
Finance	3,095	3,120	3,137	3,159	3,176	3,192	3,202	3,212	3,220	3,236	3,239	3,248	3,255
Insurance	1,900	1,910	1,918	1,927	1,945	1,952	1,962	1,971	1,979	1,990	2,002	2,009	2,018
Real estate	1,189	1,198	1,206	1,209	1,213	1,220	1,224	1,226	1,230	1,246	1,254	1,261	1,281
Services	22,707	22,825	22,924	23,072	23,176	23,255	23,300	23,359	23,451	23,578	23,670	23,759	23,832
Business services	4,698	4,750	4,755	4,792	4,835	4,848	4,883	4,908	4,926	4,966	4,990	5,042	5,074
Health services	6,497	6,511	6,543	6,571	6,601	6,634	6,649	6,677	6,695	6,726	6,757	6,784	6,802
Government	16,699	16,711	16,720	16,682	16,597	16,628	16,774	16,870	16,890	16,928	16,918	16,904	16,966
Federal	2,923	2,914	2,899	2,875	2,866	2,875	2,901	2,896	2,899	2,907	2,914	2,915	2,924
State	3,927	3,938	3,936	3,927	3,921	3,919	3,932	3,959	3,965	3,983	3,983	3,984	4,003
Local	9,849	9,859	9,885	9,880	9,810	9,834	9,941	10,015	10,026	10,038	10,021	10,005	10,039

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1986												1987
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total	44,955	45,127	45,237	45,397	45,556	45,602	45,758	45,906	46,074	46,271	46,440	46,590	46,713
Total private	36,639	36,767	36,867	37,014	37,142	37,182	37,386	37,508	37,568	37,720	37,869	38,002	38,123
Goods-producing	6,893	6,889	6,887	6,893	6,885	6,866	6,874	6,872	6,877	6,895	6,914	6,940	6,937
Mining	120	120	118	114	112	108	106	105	102	102	101	101	101
Construction	494	493	499	505	510	512	517	518	520	522	526	528	530
Manufacturing	6,279	6,276	6,270	6,274	6,263	6,246	6,251	6,249	6,255	6,271	6,287	6,311	6,306
Durable goods	3,020	3,017	3,014	3,019	3,016	2,996	3,003	3,008	3,008	3,013	3,016	3,021	3,010
Lumber and wood products	110	111	112	111	112	113	114	115	115	116	117	118	120
Furniture and fixtures	152	153	154	154	155	155	155	155	155	156	156	156	158
Stone, clay, and glass products	115	114	113	114	114	115	115	114	114	113	114	115	115
Primary metal industries	103	103	102	102	101	99	99	101	101	101	101	101	100
Fabricated metal products	322	322	322	324	323	324	322	322	325	324	325	326	324
Machinery, except electrical	464	460	460	461	458	456	454	451	448	448	448	446	444
Electrical and electronic equipment	905	903	901	902	903	887	901	903	901	903	901	901	893
Transportation equipment	368	370	369	370	370	369	370	373	374	377	380	382	380
Instruments and related products	311	311	312	311	310	309	308	308	308	308	306	306	306
Miscellaneous manufacturing	170	170	169	170	170	169	165	166	167	167	168	170	170
Nondurable goods	3,259	3,259	3,256	3,255	3,247	3,250	3,248	3,241	3,247	3,258	3,271	3,290	3,296
Food and kindred products	507	513	513	512	513	517	512	510	511	513	519	523	523
Tobacco manufactures	22	22	22	22	21	21	21	19	20	20	21	20	20
Textile mill products	340	342	343	341	343	343	346	345	344	344	347	349	349
Apparel and other textile products	912	902	899	902	895	892	894	889	890	892	891	902	900
Paper and allied products	167	168	168	168	168	168	169	168	169	170	171	172	170
Printing and publishing	619	622	623	626	625	629	632	632	634	637	639	639	644
Chemicals and allied products	287	287	287	286	287	288	287	288	288	289	289	288	290
Petroleum and coal products	26	26	26	26	26	25	25	25	25	24	24	24	24
Rubber and misc. plastics products	282	281	281	279	278	278	274	275	277	281	282	284	287
Leather and leather products	97	96	94	93	91	89	88	90	89	88	88	89	89
Service-producing	38,062	38,238	38,350	38,504	38,671	38,736	38,884	39,034	39,197	39,376	39,526	39,650	39,776
Transportation and public utilities	1,475	1,478	1,482	1,483	1,486	1,441	1,501	1,482	1,506	1,506	1,519	1,521	1,531
Wholesale trade	1,676	1,689	1,691	1,707	1,718	1,706	1,715	1,715	1,713	1,712	1,713	1,718	1,720
Retail trade	9,268	9,313	9,347	9,362	9,383	9,392	9,422	9,479	9,488	9,531	9,563	9,561	9,618
Finance, insurance, and real estate	3,771	3,796	3,816	3,848	3,878	3,904	3,932	3,957	3,967	3,982	4,003	4,028	4,045
Services	13,556	13,602	13,644	13,721	13,792	13,873	13,942	14,003	14,017	14,094	14,157	14,234	14,272
Government	8,316	8,360	8,370	8,383	8,414	8,420	8,372	8,398	8,506	8,551	8,571	8,588	8,590
Federal	1,034	1,038	1,036	1,034	1,030	1,020	1,017	1,021	1,031	1,030	1,033	1,035	1,039
State	1,832	1,843	1,847	1,856	1,863	1,868	1,868	1,867	1,861	1,872	1,878	1,885	1,892
Local	5,450	5,479	5,487	5,493	5,521	5,532	5,487	5,510	5,614	5,649	5,660	5,668	5,659

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all

seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Total private	66,916	67,167	67,261	67,223	67,517	67,632	67,742	67,854	68,076	68,255	68,463	68,716	68,787
Goods-producing	17,454	17,546	17,475	17,388	17,395	17,429	17,407	17,408	17,452	17,483	17,552	17,588	17,524
Mining	598	573	547	535	533	526	520	522	523	520	511	516	517
Construction	3,795	3,913	3,903	3,874	3,901	3,932	3,927	3,912	3,909	3,910	4,010	3,994	3,944
Manufacturing	13,061	13,060	13,025	12,979	12,961	12,971	12,960	12,974	13,020	13,053	13,031	13,078	13,063
Durable goods	7,545	7,547	7,519	7,462	7,441	7,458	7,438	7,435	7,452	7,466	7,440	7,480	7,469
Lumber and wood products	602	605	605	606	604	610	615	618	623	627	628	631	628
Furniture and fixtures	395	395	397	397	398	400	401	402	400	401	402	403	405
Stone, clay, and glass products	459	463	462	460	458	456	457	454	455	458	460	463	461
Primary metal industries	596	596	591	574	569	562	560	560	562	563	552	563	566
Blast furnaces and basic steel products	225	224	222	220	220	207	204	206	203	203	196	205	207
Fabricated metal products	1,069	1,073	1,068	1,062	1,052	1,054	1,058	1,056	1,055	1,060	1,057	1,057	1,056
Machinery, except electrical	1,267	1,263	1,256	1,250	1,240	1,239	1,215	1,211	1,205	1,204	1,203	1,214	1,216
Electrical and electronic equipment	1,252	1,249	1,250	1,224	1,246	1,249	1,245	1,247	1,252	1,251	1,247	1,245	1,242
Transportation equipment	1,247	1,245	1,233	1,233	1,223	1,235	1,235	1,236	1,249	1,245	1,238	1,248	1,238
Motor vehicles and equipment	660	658	645	644	629	640	639	630	642	638	637	647	634
Instruments and related products	392	392	390	389	387	389	388	387	385	386	383	384	384
Miscellaneous manufacturing	266	266	267	267	264	264	264	264	266	271	270	272	273
Nondurable goods	5,516	5,513	5,506	5,517	5,520	5,513	5,522	5,539	5,568	5,587	5,591	5,598	5,594
Food and kindred products	1,145	1,145	1,149	1,160	1,158	1,153	1,157	1,155	1,168	1,168	1,167	1,170	1,169
Tobacco manufactures	48	48	47	46	47	43	44	44	46	45	45	45	44
Textile mill products	611	607	610	611	614	615	612	616	622	624	627	631	633
Apparel and other textile products	940	943	938	933	936	935	937	940	940	951	948	942	940
Paper and allied products	521	522	523	524	522	519	523	527	528	531	527	528	525
Printing and publishing	817	820	820	823	828	825	827	832	833	837	841	840	840
Chemicals and allied products	573	572	569	572	572	574	572	571	572	569	571	573	573
Petroleum and coal products	103	103	103	103	102	103	102	102	102	102	102	103	103
Rubber and misc. plastics products	625	623	620	621	617	621	624	628	632	634	636	638	639
Leather and leather products	133	130	127	124	124	125	124	124	125	126	127	128	128
Service-producing	49,462	49,621	49,786	49,835	50,122	50,203	50,335	50,446	50,624	50,772	50,911	51,128	51,263
Transportation and public utilities	4,373	4,362	4,361	4,270	4,354	4,325	4,387	4,393	4,424	4,441	4,448	4,458	4,483
Wholesale trade	4,693	4,712	4,711	4,674	4,705	4,708	4,700	4,694	4,693	4,694	4,696	4,703	4,707
Retail trade	15,867	15,880	15,939	15,981	16,018	16,045	16,091	16,153	16,187	16,193	16,267	16,339	16,371
Finance, insurance, and real estate	4,571	4,603	4,629	4,651	4,683	4,704	4,716	4,723	4,745	4,771	4,789	4,806	4,836
Services	19,958	20,064	20,146	20,259	20,362	20,421	20,441	20,483	20,575	20,673	20,711	20,822	20,866

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
INDEXES OF DIFFUSION
SEASONALLY ADJUSTED**

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, seasonally adjusted

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1985.....	52.4	47.8	53.8	49.2	51.6	47.0	56.2	56.8	50.8	61.9	57.6	59.5
	1986.....	59.7	53.5	45.1	54.1	49.2	46.2	54.6	54.3	54.9	55.1	62.7	62.4
	1987.....	51.6	^p 63.0	^p 49.7									
Over 3-month span	1985.....	51.1	49.7	46.2	46.2	45.1	51.1	49.7	51.1	55.1	55.9	61.4	60.5
	1986.....	58.1	54.3	51.1	49.7	48.4	44.9	47.3	54.1	54.9	62.4	65.1	63.0
	1987.....	^p 62.7	^p 57.3										
Over 6-month span	1985.....	49.2	47.8	43.0	45.9	44.3	44.3	48.9	50.8	54.1	57.0	57.0	55.9
	1986.....	53.8	53.8	47.6	45.9	45.9	48.6	49.7	55.4	61.1	60.5	^p 63.5	^p 60.8
	1987.....												
Over 12-month span	1985.....	46.2	45.7	46.8	43.8	44.9	47.3	47.6	48.9	47.3	49.5	48.9	48.6
	1986.....	50.3	51.1	52.2	52.4	52.7	54.6	53.5	^p 55.1	^p 55.9			
	1987.....												

Based on the number of employees, seasonally adjusted for 1, 3, and 6 month spans, on the payrolls of 185 private nonagricultural industries. Data for the 12-month span are unadjusted.

^p = preliminary.

NOTE: Figures are the percent of industries with employment

rising. (Half of the unchanged components are counted as rising.) Data are centered within the spans. Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Alabama	1,444.6	1,466.1	1,467.9	12.9	11.9	11.8	71.6	75.1	74.3
Birmingham	377.0	381.1	381.8	6.0	6.1	6.1	22.0	22.6	23.2
Huntsville	114.2	118.4	118.6	.1	.1	.1	4.3	4.8	4.7
Mobile	156.7	158.3	158.5	.8	.4	.4	10.2	9.6	9.5
Montgomery	118.8	122.4	122.3	.1	.1	.1	8.5	9.4	9.4
Tuscaloosa	55.8	57.4	57.4	2.9	2.7	2.7	2.6	2.8	2.7
Alaska	214.5	204.3	206.3	9.9	8.2	8.3	10.6	9.6	9.4
Arizona	1,323.7	1,363.7	1,375.5	11.0	10.9	11.0	111.4	106.9	106.0
Phoenix	873.1	898.7	904.0	.5	.6	.6	78.7	72.6	71.6
Tucson	239.4	240.6	244.4	2.0	1.6	1.6	20.7	21.1	21.3
Arkansas	794.3	810.2	817.5	4.8	4.0	4.0	32.1	32.6	32.5
Fayetteville-Springdale	43.7	44.2	45.1	(¹)	(¹)	(¹)	1.8	1.7	1.7
Fort Smith	70.3	72.9	73.0	1.1	.9	.9	2.7	2.9	2.8
Little Rock-North Little Rock	220.4	224.5	224.9	.4	.4	.4	10.7	11.1	11.0
Pine Bluff	31.9	31.4	31.8	(¹)	(¹)	(¹)	2.5	1.7	1.7
California	11,041.7	11,381.8	11,417.5	47.3	39.6	39.0	481.8	522.7	522.9
Anaheim-Santa Ana	1,013.6	1,062.4	1,066.2	2.6	2.1	2.0	51.2	53.4	54.2
Bakersfield	157.8	155.6	155.3	16.6	12.4	12.0	10.1	9.3	9.4
Fresno	188.6	197.6	199.0	.8	.6	.7	10.4	11.8	11.5
Los Angeles-Long Beach	3,858.2	3,943.6	3,959.9	11.6	10.4	10.4	121.7	129.0	129.5
Modesto	93.4	98.3	99.2	.1	.1	.1	5.8	6.2	6.4
Oakland	772.2	803.6	806.1	2.5	2.4	2.4	40.9	45.3	44.8
Oxnard-Ventura	167.9	197.5	198.1	3.3	2.8	2.7	9.3	10.8	11.0
Riverside-San Bernardino	547.7	580.2	584.2	1.3	1.2	1.2	38.6	44.1	45.6
Sacramento	502.7	525.2	526.2	.9	.7	.7	25.8	30.2	29.0
Salinas-Seaside-Monterey	99.4	102.9	102.8	.5	.5	.5	3.8	4.3	4.2
San Diego	804.8	835.5	839.4	.7	.8	.8	49.3	54.0	54.5
San Francisco	911.3	927.1	924.4	1.2	1.1	1.1	30.5	32.3	31.7
San Jose	760.5	762.8	763.1	.1	.2	.1	29.1	29.0	28.3
Santa Barbara-Santa Maria-Lompoc	142.9	144.5	145.1	1.5	1.3	1.3	6.5	6.1	6.1
Santa Rosa-Petaluma	113.5	118.6	118.6	.5	.6	.6	6.6	7.3	7.1
Stockton	128.9	133.8	134.2	.1	.1	.1	6.8	7.7	7.5
Vallejo-Fairfield-Napa	115.5	121.7	122.4	.3	.3	.3	6.6	7.4	7.5
Colorado	1,399.8	1,391.7	1,391.7	29.9	24.7	24.3	72.5	69.8	68.0
Boulder-Longmont	102.4	103.3	104.2	.3	.2	.3	3.9	3.7	3.6
Denver	800.0	796.6	796.5	19.5	16.1	16.2	40.9	39.1	37.7
Connecticut	1,558.3	1,615.6	1,616.1	1.4	1.5	1.4	59.6	67.2	65.6
Bridgeport-Milford	188.9	193.9	193.5	(¹)	(¹)	(¹)	6.5	7.6	7.4
Hartford	445.6	468.1	467.3	.1	.2	.2	14.8	17.9	17.4
New Britain	63.9	64.8	65.0	(¹)	(¹)	(¹)	2.7	3.5	3.4
New Haven-Meriden	237.5	245.5	245.5	.2	.2	.2	10.7	11.7	11.7
Stamford	118.0	124.1	123.4	.7	.6	.6	4.8	5.0	4.9
Waterbury	82.7	85.3	84.8	(¹)	(¹)	(¹)	3.1	3.8	3.7
Delaware	288.5	306.3	305.4	.1	.1	.1	15.9	17.5	16.6
Wilmington	251.3	266.8	266.5	.2	.2	.2	15.4	17.0	16.2
District of Columbia	630.8	637.7	640.3	.1	.1	.1	13.0	13.7	13.5
Washington MSA	1,927.1	2,003.1	2,000.6	.9	.9	.9	108.7	119.7	114.8
Florida	4,542.1	4,721.8	4,754.8	9.8	9.7	9.8	334.3	337.6	338.7
Daytona Beach	105.4	108.6	110.9	(¹)	(¹)	(¹)	7.7	8.5	8.4
Fort Lauderdale-Hollywood-Pompano Beach	441.0	452.2	455.3	.4	.4	.4	36.1	36.3	36.5
Fort Myers-Cape Coral	99.5	108.2	110.0	(¹)	(¹)	(¹)	11.4	12.5	12.8
Gainesville	89.2	92.1	92.1	(¹)	(¹)	(¹)	4.7	4.2	4.2
Jacksonville	366.5	382.4	383.9	.5	.5	.5	27.3	27.4	27.3
Lakeland-Winter Haven	135.2	139.7	140.1	4.2	4.7	4.7	8.3	8.6	8.5
Melbourne-Titusville-Palm Bay	139.1	137.0	137.2	(¹)	(¹)	(¹)	9.3	8.1	8.1
Miami-Hialeah	793.3	807.6	808.9	.9	.9	.9	39.2	38.2	38.3
Orlando	430.7	460.3	465.3	(¹)	(¹)	(¹)	33.8	34.1	34.3
Pensacola	117.8	120.8	120.4	.4	.3	.3	9.7	10.0	10.0
Sarasota	97.0	99.1	100.7	(¹)	(¹)	(¹)	10.0	9.7	9.6
Tallahassee	100.7	105.5	106.4	(¹)	(¹)	(¹)	4.6	5.8	5.8
Tampa-St. Petersburg-Clearwater	752.2	778.2	782.4	.7	.7	.7	60.2	62.3	62.6
West Palm Beach-Boca Raton-DeLray Beach	301.2	321.1	322.5	(¹)	(¹)	(¹)	27.0	30.5	30.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P
Alabama	357.1	354.6	354.7	71.4	70.6	70.9	310.1	324.7	323.4
Birmingham	55.9	51.8	51.7	27.4	27.5	27.5	93.1	97.0	96.4
Huntsville	31.0	30.6	30.6	2.6	2.6	2.7	21.7	22.4	22.4
Mobile	26.1	26.6	26.8	9.7	9.1	9.0	41.3	43.7	43.7
Montgomery	17.3	17.7	17.6	4.6	4.7	4.7	26.2	27.8	27.9
Tuscaloosa	8.5	9.0	9.0	1.9	2.1	2.1	11.3	11.9	11.7
Alaska	8.7	8.0	9.2	17.2	16.9	16.8	42.6	41.2	40.4
Arizona	181.1	184.9	184.2	64.4	68.9	69.2	320.4	334.4	334.9
Phoenix	130.1	133.1	133.1	41.9	46.0	46.0	220.3	229.3	229.4
Tucson	31.5	30.8	30.8	9.2	9.9	9.9	52.6	54.6	54.8
Arkansas	208.1	213.2	213.1	46.7	48.5	48.5	177.8	181.9	182.7
Fayetteville-Springdale	9.4	9.8	10.2	3.9	3.9	3.9	10.3	10.8	10.7
Fort Smith	24.2	25.3	25.4	3.5	3.7	3.8	15.1	15.6	15.5
Little Rock-North Little Rock	32.7	31.6	31.5	14.4	14.6	14.6	53.5	54.8	54.6
Pine Bluff	5.8	6.1	6.2	2.8	2.7	2.8	6.3	6.3	6.3
California	2,035.5	2,048.6	2,053.7	562.3	577.9	577.4	2,631.6	2,760.0	2,742.1
Anaheim-Santa Ana	238.1	242.7	243.2	33.5	34.7	34.7	251.0	270.4	269.1
Bakersfield	10.0	10.2	10.2	8.0	8.2	8.2	39.0	40.1	39.9
Fresno	19.1	20.2	20.3	9.6	10.4	10.3	48.7	51.2	51.1
Los Angeles-Long Beach	884.2	885.0	890.6	200.0	202.5	201.9	897.5	936.2	930.5
Modesto	19.3	19.8	20.4	4.2	4.2	4.2	23.5	25.6	25.4
Oakland	101.1	102.9	102.3	52.3	55.4	55.4	195.2	202.7	202.2
Oxnard-Ventura	28.0	29.4	29.5	8.2	9.9	10.1	47.6	50.3	50.0
Riverside-San Bernardino	71.8	76.0	76.5	29.3	30.9	30.8	137.3	145.5	145.0
Sacramento	35.7	37.3	37.4	22.8	23.7	23.8	122.7	128.9	127.9
Salinas-Seaside-Monterey	8.3	9.0	9.1	4.7	4.8	4.8	26.8	27.4	27.0
San Diego	122.2	120.5	120.6	31.6	32.3	32.6	190.9	200.2	199.5
San Francisco	77.8	77.7	76.8	80.0	79.4	79.1	210.0	219.9	217.2
San Jose	266.5	259.5	258.6	21.3	20.8	20.9	147.1	153.0	151.4
Santa Barbara-Santa Maria-Lompoc	24.3	23.5	22.9	5.5	5.3	5.3	33.2	34.5	34.3
Santa Rosa-Petaluma	17.5	18.1	18.0	5.3	5.5	5.6	29.7	31.7	31.3
Stockton	19.8	20.6	20.8	8.1	8.2	8.2	30.2	31.6	31.1
Vallejo-Fairfield-Napa	10.5	11.9	11.8	4.3	4.4	4.4	27.4	30.2	29.8
Colorado	185.1	182.1	182.1	87.4	88.2	88.0	344.4	346.7	343.9
Boulder-Longmont	28.0	28.6	28.6	2.4	2.2	2.3	22.4	22.9	22.6
Denver	97.1	93.9	93.9	62.7	63.8	63.9	199.1	202.5	200.3
Connecticut	396.9	396.0	395.0	68.3	71.0	70.8	344.5	362.7	359.3
Bridgeport-Milford	61.0	60.5	60.4	7.2	7.5	7.6	43.8	44.7	44.3
Hartford	92.1	94.5	94.2	17.0	17.3	17.3	94.2	98.6	97.7
New Britain	23.1	21.4	21.2	3.2	3.3	3.2	12.4	13.1	13.2
New Haven-Meriden	46.9	48.1	47.8	17.7	18.0	17.9	54.1	56.6	56.2
Stamford	25.9	25.3	25.0	4.7	4.9	4.8	27.8	29.9	29.5
Waterbury	25.9	24.7	24.6	3.1	3.1	3.1	15.9	17.1	16.8
Delaware	67.9	69.3	68.8	12.3	12.6	12.6	62.4	68.8	67.9
Wilmington	57.8	59.3	58.9	13.2	13.6	13.7	52.3	57.2	56.2
District of Columbia	15.3	15.6	15.6	24.1	24.6	24.4	60.6	61.6	61.8
Washington MSA	84.4	85.7	85.7	90.7	96.2	96.0	385.1	407.0	403.8
Florida	518.2	523.0	525.3	243.3	247.4	246.5	1,220.8	1,293.1	1,297.1
Daytona Beach	12.5	12.3	12.6	3.3	3.3	3.3	30.2	31.3	32.0
Fort Lauderdale-Hollywood-Pompano Beach	42.8	43.4	43.9	20.9	21.9	22.0	130.6	134.2	135.2
Fort Myers-Cape Coral	4.9	5.4	5.5	4.6	4.9	5.0	30.3	32.9	33.8
Gainesville	5.4	5.5	5.5	1.7	1.7	1.7	19.5	20.5	20.6
Jacksonville	37.2	37.9	38.1	27.1	27.3	27.6	96.8	103.1	103.1
Lakeland-Winter Haven	22.3	22.2	22.1	5.9	6.0	6.1	37.2	39.2	39.3
Melbourne-Titusville-Palm Bay	28.0	26.8	26.9	5.8	5.5	5.5	31.5	32.4	32.2
Miami-Hialeah	93.9	91.8	92.0	66.6	67.0	66.3	210.2	218.6	218.1
Orlando	49.9	53.2	53.7	23.0	24.2	24.5	111.9	118.4	118.9
Pensacola	11.1	11.2	11.2	6.1	6.3	6.3	29.6	31.0	30.3
Sarasota	7.8	8.1	8.2	3.5	3.5	3.5	29.4	29.6	29.8
Tallahassee	4.2	4.6	4.6	2.8	2.9	2.8	20.8	22.6	22.4
Tampa-St. Petersburg-Clearwater	90.0	88.9	89.5	37.3	36.9	36.8	207.7	215.1	216.7
West Palm Beach-Boca Raton-Delray Beach	38.0	37.1	37.0	10.8	11.6	11.7	79.4	85.3	85.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P
Alabama	67.4	70.3	70.2	253.2	261.1	262.8	300.9	297.8	299.8
Birmingham	27.8	28.5	28.5	85.5	87.8	88.6	59.3	59.8	59.8
Huntsville	3.3	3.4	3.4	23.2	25.8	26.0	28.0	28.7	28.7
Mobile	7.6	7.5	7.4	33.2	33.4	33.6	27.8	28.0	28.1
Montgomery	7.0	7.3	7.3	23.6	24.1	24.1	31.5	31.3	31.2
Tuscaloosa	1.9	2.0	2.0	7.6	7.8	7.9	19.1	19.1	19.3
Alaska	12.5	12.2	12.2	43.5	41.8	41.9	69.5	66.4	68.1
Arizona	86.4	91.3	91.4	319.4	335.5	339.4	229.6	230.9	239.4
Phoenix	68.0	72.1	72.2	216.1	226.1	228.4	117.5	118.9	122.7
Tucson	12.1	12.5	12.5	61.0	61.5	62.7	50.3	48.6	50.8
Arkansas	36.5	37.3	37.3	140.9	146.3	149.4	147.4	146.4	150.0
Fayetteville-Springdale	1.5	1.4	1.4	6.1	6.3	6.4	10.7	10.3	10.8
Fort Smith	2.7	2.7	2.7	13.6	14.6	14.5	7.4	7.2	7.4
Little Rock-North Little Rock	14.9	15.4	15.3	48.2	50.8	51.2	45.6	45.8	46.3
Pine Bluff	1.5	1.6	1.6	5.6	5.8	5.8	7.4	7.2	7.4
California	745.7	776.4	778.2	2,690.7	2,789.9	2,819.2	1,846.8	1,866.7	1,885.0
Anaheim-Santa Ana	81.3	84.2	84.7	242.2	260.0	261.7	113.7	114.9	116.6
Bakersfield	6.1	6.3	6.3	29.8	30.8	30.8	38.2	38.3	38.5
Fresno	13.3	13.7	13.9	42.2	45.6	45.9	44.5	44.1	45.3
Los Angeles-Long Beach	268.9	278.0	278.7	984.9	1,009.5	1,022.8	489.4	493.0	495.5
Modesto	4.4	4.6	4.6	20.1	21.0	21.1	16.0	16.8	17.0
Oakland	48.1	53.5	53.9	174.5	180.9	183.2	157.6	160.5	161.9
Oxnard-Ventura	10.0	10.4	10.4	41.6	43.4	43.7	39.9	40.5	40.7
Riverside-San Bernardino	22.3	24.5	24.5	129.7	135.5	137.1	117.4	122.5	123.5
Sacramento	29.3	31.2	31.2	105.5	110.2	111.2	160.0	163.0	165.0
Salinas-Seaside-Monterey	4.6	5.0	5.1	24.1	25.3	25.4	26.4	26.6	26.7
San Diego	54.0	57.7	58.0	205.0	215.9	217.6	151.1	154.1	155.8
San Francisco	113.7	113.0	112.2	262.9	268.3	269.6	135.2	135.4	136.7
San Jose	33.0	32.9	33.0	179.9	183.1	185.7	83.5	84.3	85.1
Santa Barbara-Santa Maria-Lompoc	7.8	8.0	8.0	37.3	38.5	39.4	26.8	27.3	27.8
Santa Rosa-Petaluma	7.7	8.1	8.1	24.7	25.6	26.0	21.5	21.7	21.9
Stockton	7.9	8.2	8.2	27.4	27.8	28.3	28.6	29.6	30.0
Vallejo-Fairfield-Napa	4.5	4.7	4.7	25.2	26.3	27.1	36.7	36.5	36.8
Colorado	97.1	97.6	97.3	324.9	326.1	326.6	258.5	256.5	261.5
Boulder-Longmont	3.8	3.9	3.9	20.4	21.5	21.6	21.2	20.3	21.3
Denver	65.0	65.4	65.3	193.2	193.5	194.2	122.5	122.3	125.0
Connecticut	134.4	143.4	143.6	357.8	378.1	379.7	195.4	195.7	200.7
Bridgeport-Milford	10.0	11.1	11.1	42.1	44.3	44.5	18.3	18.2	18.2
Hartford	71.3	77.1	77.4	99.0	103.5	104.1	57.1	59.0	59.0
New Britain	3.5	4.0	4.0	12.4	13.1	13.2	6.6	6.4	6.8
New Haven-Meriden	14.2	14.7	14.7	63.1	65.5	66.0	30.6	30.7	31.0
Stamford	10.6	11.5	11.5	33.8	36.8	36.9	9.7	10.1	10.2
Waterbury	3.9	4.1	4.1	19.5	20.3	20.3	11.3	12.2	12.2
Delaware	21.5	24.2	24.3	62.9	68.4	68.4	45.6	45.4	46.7
Wilmington	19.5	22.2	22.3	56.6	60.9	61.1	36.5	36.4	37.8
District of Columbia	35.7	36.8	36.8	215.3	223.5	225.5	266.7	261.8	262.4
Washington MSA	109.8	117.2	117.3	592.1	622.7	625.0	555.3	553.7	557.1
Florida	329.2	347.4	348.5	1,181.3	1,244.4	1,261.6	705.2	719.2	727.3
Daytona Beach	6.2	6.6	6.6	28.3	28.8	29.9	17.2	17.8	18.1
Fort Lauderdale-Hollywood-Pompano Beach	35.9	37.6	37.6	120.0	122.5	123.7	54.3	55.9	56.0
Fort Myers-Cape Coral	7.4	8.3	8.3	26.2	28.9	29.2	14.5	15.2	15.2
Gainesville	4.0	3.9	3.9	19.5	20.8	20.9	34.3	35.4	35.2
Jacksonville	34.5	36.2	36.3	87.1	92.0	92.9	56.0	58.0	58.1
Lakeland-Winter Haven	7.9	8.0	7.9	30.9	31.9	32.5	18.5	19.1	19.0
Melbourne-Titusville-Palm Bay	5.0	5.1	5.2	39.8	39.1	39.2	19.6	19.9	20.0
Miami-Hialeah	65.5	68.5	69.1	213.0	215.8	217.4	104.0	106.8	106.8
Orlando	28.6	31.0	31.3	132.6	145.4	148.2	50.8	53.9	54.3
Pensacola	5.2	5.5	5.5	27.8	29.0	28.8	27.9	27.5	28.0
Sarasota	7.9	8.0	8.1	26.7	28.0	29.3	11.6	12.1	12.1
Tallahassee	4.4	4.4	4.4	20.1	20.4	20.7	43.6	44.5	45.4
Tampa-St. Petersburg-Clearwater	59.9	62.3	62.8	200.1	211.4	212.5	96.3	100.6	100.8
West Palm Beach-Boca Raton-Delray Beach	24.7	26.9	27.1	85.1	91.2	92.1	36.2	38.5	39.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P
Georgia	2,603.7	2,719.4	2,723.7	8.1	8.8	8.8	144.1	156.9	157.4
Albany	48.9	48.6	48.7	(¹)	(¹)	(¹)	2.1	2.2	2.2
Athens	60.3	62.6	62.8	.1	.2	.2	2.3	2.6	2.5
Atlanta	1,286.6	1,365.6	1,366.7	1.3	1.7	1.7	71.9	82.5	82.6
Augusta	148.7	152.5	152.4	.5	.5	.5	9.0	8.5	8.4
Columbus	87.9	90.4	90.3	.1	.1	.1	5.1	5.1	5.2
Macon-Warner Robins	114.0	116.4	116.9	.1	.1	.1	4.9	4.9	5.1
Savannah	95.9	101.7	101.0	(¹)	(¹)	(¹)	5.8	7.8	7.6
Hawaii	432.8	443.1	447.1	(¹)	(¹)	(¹)	17.4	21.5	21.5
Honolulu	347.2	354.7	358.0	(¹)	(¹)	(¹)	14.3	17.5	17.4
Idaho	325.2	329.3	330.8	3.3	2.5	2.5	11.5	12.4	11.8
Boise City	83.8	86.0	85.9	(²)	(²)	(²)	4.1	4.4	4.3
Illinois	4,679.8	4,767.5	4,775.2	25.0	23.6	23.5	143.0	160.4	152.5
Aurora-Elgin	126.4	132.2	131.3	(¹)	(¹)	(¹)	4.1	4.9	4.6
Bloomington-Normal	53.5	53.5	53.4	(¹)	(¹)	(¹)	.9	1.0	.9
Champaign-Urbana-Rantoul	81.8	79.3	82.6	(¹)	(¹)	(¹)	1.9	2.0	2.0
Chicago	2,893.9	2,945.3	2,942.0	2.7	3.0	3.1	91.2	105.0	103.6
Davenport-Rock Island-Moline	151.1	149.0	152.1	(¹)	(¹)	(¹)	4.1	4.3	4.3
Decatur	49.7	48.9	48.8	(¹)	(¹)	(¹)	1.5	1.5	1.5
Joliet	92.6	93.3	93.1	(¹)	(¹)	(¹)	3.8	4.0	3.8
Kankakee	31.6	32.1	32.2	(¹)	(¹)	(¹)	.9	1.2	1.1
Lake County	168.1	171.9	171.1	(¹)	(¹)	(¹)	5.1	5.3	5.2
Peoria	130.2	130.0	130.2	(¹)	(¹)	(¹)	4.7	4.7	4.7
Rockford	121.8	123.3	122.9	(¹)	(¹)	(¹)	2.8	3.3	3.0
Springfield	92.0	91.7	91.8	(¹)	(¹)	(¹)	1.9	2.1	2.0
Indiana	2,162.6	2,232.4	2,241.0	8.8	7.7	7.5	76.9	93.3	90.7
Anderson	47.4	47.7	47.2	(²)	(²)	(²)	1.1	1.2	1.2
Bloomington	48.3	49.5	50.6	(²)	(²)	(²)	1.4	1.6	1.6
Elkhart-Goshen	87.5	92.1	92.9	(²)	(²)	(²)	2.1	2.4	2.4
Evansville	120.4	122.5	122.3	2.5	2.2	2.2	7.1	8.0	7.7
Fort Wayne	169.5	176.8	176.5	(²)	(²)	(²)	7.2	8.3	8.0
Gary-Hammond	210.5	203.4	206.4	(²)	(²)	(²)	9.8	10.4	10.6
Indianapolis	556.7	581.0	580.4	.7	.7	.7	23.1	27.8	27.2
Kokomo	44.0	44.2	44.3	(²)	(²)	(²)	.9	1.0	1.0
Lafayette	61.2	61.6	62.4	(²)	(²)	(²)	1.4	2.0	1.9
Muncie	48.4	48.9	49.0	(²)	(²)	(²)	1.3	1.6	1.6
South Bend-Mishawaka	103.8	107.6	107.3	(²)	(²)	(²)	4.0	4.6	4.4
Terre Haute	51.7	51.8	52.1	.5	.4	.4	1.4	1.7	1.6
Iowa	1,048.2	1,073.7	1,085.4	1.4	1.6	1.6	25.8	31.8	30.2
Cedar Rapids	80.4	81.9	81.3	.1	.1	.1	2.2	2.9	2.8
Des Moines	191.6	197.7	198.6	(¹)	(¹)	(¹)	5.7	6.4	5.9
Dubuque	39.4	38.1	41.0	(¹)	(¹)	(¹)	.9	1.1	1.1
Iowa City	49.0	46.7	49.3	(¹)	(¹)	(¹)	1.1	1.3	1.2
Sioux City	47.2	46.2	46.0	(¹)	(¹)	(¹)	1.4	1.6	1.6
Waterloo-Cedar Falls	58.5	56.0	60.2	(¹)	(¹)	(¹)	1.2	1.4	1.4
Kansas	965.5	972.2	978.5	14.7	11.5	11.1	36.0	38.2	37.8
Lawrence	30.2	30.6	31.3	(¹)	(¹)	(¹)	.8	1.0	1.0
Topeka	82.0	83.7	83.9	(¹)	(¹)	(¹)	2.6	3.6	3.4
Wichita	202.1	204.5	205.2	2.8	2.2	2.1	7.7	8.6	8.7
Kentucky	1,239.3	1,279.9	1,278.8	40.5	38.6	38.2	46.7	56.9	55.3
Lexington-Fayette	164.0	167.5	169.0	.9	1.0	1.0	8.0	10.2	9.4
Louisville	407.8	419.3	419.5	.6	.7	.6	18.0	20.5	19.8
Owensboro	32.1	32.7	32.1	.9	.9	.9	1.6	1.8	1.7
Louisiana	1,546.4	1,486.5	1,482.0	75.1	58.1	57.6	92.6	83.8	82.0
Alexandria	44.7	45.7	45.6	.2	.2	.2	2.7	2.5	2.5
Baton Rouge	213.3	211.1	212.7	1.2	1.0	1.0	20.3	19.4	19.8
Houma-Thibodaux	58.6	51.7	51.6	7.7	5.8	5.9	1.9	1.4	1.4
Lafayette	95.0	81.7	81.8	14.7	10.9	11.0	4.1	3.0	3.0
Lake Charles	56.1	56.1	55.9	1.8	1.3	1.3	5.8	4.8	4.8
Monroe	54.5	53.9	54.6	.5	.5	.6	3.2	2.9	3.0
New Orleans	525.7	512.1	509.8	18.3	16.5	16.5	25.8	23.4	23.4
Shreveport	135.3	130.3	130.3	4.6	3.3	3.3	7.5	6.9	6.7
Maine	455.0	472.3	476.3	.1	.1	.1	20.9	24.7	24.5
Lewiston-Auburn	37.1	37.9	38.0	(¹)	(¹)	(¹)	1.5	1.6	1.6
Portland	110.3	115.2	115.2	(¹)	(¹)	(¹)	5.8	6.7	6.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P
Georgia	563.6	563.3	564.4	163.7	167.9	167.7	840.7	689.6	686.7
Albany	10.0	8.7	8.7	2.1	2.1	2.2	12.0	12.5	12.5
Athens	15.3	15.3	15.4	1.7	1.7	1.7	12.0	12.7	12.7
Atlanta	191.6	191.4	191.4	106.4	109.7	109.7	351.9	382.6	381.0
Augusta	36.7	38.6	36.5	4.9	5.1	5.1	31.2	33.0	32.9
Columbus	20.1	19.6	19.5	3.3	3.5	3.4	18.3	20.3	20.3
Macon-Warner Robins	19.2	18.7	18.9	4.8	5.1	5.1	24.0	25.5	25.3
Savannah	16.1	17.0	16.9	9.7	9.8	9.5	23.4	23.8	23.8
Hawaii	21.9	21.6	21.8	33.3	34.1	34.3	115.4	117.8	118.6
Honolulu	15.9	15.7	16.0	27.2	27.8	27.8	90.7	92.3	92.9
Idaho	51.7	51.5	52.7	18.0	18.0	18.0	80.3	82.9	81.7
Boise City	10.2	10.3	10.2	5.4	5.5	5.6	21.3	22.2	22.1
Illinois	929.8	922.3	926.2	275.8	276.1	278.2	1,150.9	1,196.1	1,193.9
Aurora-Elgin	35.7	35.9	35.9	4.5	5.0	5.0	34.4	36.5	35.9
Bloomington-Normal	4.8	4.4	4.4	3.2	2.9	2.9	12.6	12.5	12.5
Champaign-Urbana-Rantoul	7.4	7.6	7.6	2.3	2.1	2.1	18.9	19.0	19.0
Chicago	553.8	540.3	540.2	184.2	188.5	188.7	716.7	736.8	729.0
Davenport-Rock Island-Moline	32.6	29.4	32.5	8.0	8.1	8.1	42.0	41.9	41.9
Decatur	14.7	13.6	13.5	4.4	4.4	4.4	10.7	11.0	11.0
Joliet	19.6	19.6	19.5	8.6	8.2	8.2	22.0	22.6	22.6
Kankakee	5.3	5.3	5.2	1.5	1.5	1.5	7.9	8.0	8.0
Lake County	40.9	39.0	39.2	6.3	6.4	6.4	43.4	45.8	44.6
Peoria	32.0	30.8	30.9	6.6	6.5	6.5	32.4	33.0	32.9
Rockford	45.5	45.7	45.9	4.6	4.4	4.3	27.9	28.3	28.2
Springfield	3.9	3.8	3.8	4.7	4.7	4.7	18.7	19.2	19.2
Indiana	599.5	595.4	597.8	109.2	112.0	112.1	499.8	538.6	533.6
Anderson	18.6	17.8	17.4	1.3	1.4	1.4	9.9	10.7	10.5
Bloomington	7.6	8.3	8.3	1.6	1.6	1.6	10.8	11.4	11.4
Elkhart-Goshen	46.6	49.1	49.8	2.7	2.7	2.7	16.3	17.5	17.4
Evansville	30.6	30.4	30.4	6.4	6.4	6.4	29.7	30.8	30.6
Fort Wayne	47.1	48.9	48.9	11.0	11.3	11.4	41.5	43.6	43.1
Gary-Hammond	57.8	48.3	50.7	13.7	13.2	13.2	48.1	49.6	49.2
Indianapolis	106.2	106.0	106.1	32.8	34.9	34.7	142.0	149.7	147.9
Kokomo	20.2	19.8	19.7	1.4	1.3	1.3	9.0	9.5	9.3
Lafayette	11.5	11.2	11.2	1.6	1.5	1.5	12.4	12.8	12.6
Muncie	10.9	10.7	10.7	2.2	2.2	2.2	11.6	11.8	11.8
South Bend-Mishawaka	24.0	23.8	23.9	4.6	4.8	4.8	26.3	28.0	27.5
Terre Haute	10.5	10.4	10.4	2.6	2.6	2.6	13.6	13.8	13.8
Iowa	200.4	198.8	207.0	50.5	52.2	52.2	263.0	278.4	275.8
Cedar Rapids	22.0	22.3	22.0	4.1	4.1	4.1	19.7	20.1	19.8
Des Moines	22.1	21.9	22.6	11.9	11.9	11.9	50.2	50.7	50.5
Dubuque	11.9	8.8	11.5	1.6	1.5	1.5	8.7	9.4	9.4
Iowa City	3.6	3.8	3.8	1.0	1.2	1.2	8.8	8.8	8.9
Sioux City	9.6	7.1	6.8	3.1	3.4	3.4	12.0	12.1	11.9
Waterloo-Cedar Falls	12.8	9.4	12.6	1.8	1.8	1.8	13.8	14.2	14.1
Kansas	174.3	170.4	175.0	62.3	61.7	61.6	238.9	247.0	244.4
Lawrence	4.3	4.4	4.4	1.3	1.3	1.3	6.5	6.8	6.8
Topeka	9.3	9.1	9.2	6.8	6.6	6.5	18.0	18.7	18.6
Wichita	54.7	55.7	56.1	9.8	9.8	9.8	48.9	49.2	48.8
Kentucky	251.5	255.2	253.4	65.5	68.8	68.6	289.1	301.6	299.6
Lexington-Fayette	28.8	28.2	28.2	7.6	7.7	7.6	37.7	40.1	39.8
Louisville	85.8	86.1	86.5	25.3	25.5	25.7	99.3	102.0	100.8
Owensboro	5.7	5.7	5.3	2.2	2.3	2.3	8.4	8.1	7.9
Louisiana	166.7	163.9	162.3	111.6	105.0	105.1	370.8	359.7	356.9
Alexandria	3.2	3.5	3.5	2.3	2.3	2.3	10.1	10.8	10.7
Baton Rouge	19.2	18.7	18.6	10.3	10.4	10.5	51.8	52.1	51.9
Houma-Thibodaux	4.7	4.4	4.2	7.3	5.7	5.7	14.3	13.3	12.9
Lafayette	6.1	5.9	5.6	7.4	6.4	6.5	25.2	21.9	21.7
Lake Charles	8.8	8.7	8.8	3.8	3.7	3.7	14.1	13.7	13.5
Monroe	7.3	7.4	7.3	2.8	2.6	2.6	14.9	14.8	14.7
New Orleans	43.7	43.9	42.5	44.6	42.3	42.2	137.2	135.1	134.5
Shreveport	19.1	18.7	18.5	8.5	8.3	8.2	32.1	30.2	30.0
Maine	103.5	103.7	102.8	18.8	19.4	19.3	104.9	112.8	112.8
Lewiston-Auburn	10.2	9.9	9.8	1.3	1.3	1.3	8.8	9.1	8.9
Portland	16.5	18.3	15.9	5.7	6.0	5.9	31.4	34.3	33.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P
Georgia	139.6	149.0	148.7	483.2	520.8	524.0	460.8	463.3	466.1
Albany	2.4	2.4	2.4	7.6	7.9	8.0	12.5	12.7	12.7
Athens	1.9	2.0	2.0	8.5	9.2	9.2	18.5	18.9	19.0
Atlanta	91.2	96.7	96.4	289.3	315.0	316.9	183.1	185.9	186.9
Augusta	5.2	5.9	5.9	28.5	29.6	29.6	32.8	33.3	33.5
Columbus	5.8	6.3	6.2	14.6	15.4	15.5	20.4	20.1	20.1
Macon-Warner Robins	7.1	7.4	7.4	20.1	20.7	20.8	33.8	34.0	34.1
Savannah	4.2	4.5	4.4	21.6	22.7	22.7	15.2	16.1	16.1
Hawaii	32.6	33.1	33.1	117.4	121.0	121.8	94.8	94.0	96.0
Honolulu	27.5	27.9	28.0	91.3	94.3	94.8	80.3	79.2	81.1
Idaho	23.5	23.8	23.8	65.5	67.6	67.9	71.4	70.6	72.4
Boise City	8.4	8.6	8.5	17.8	18.1	18.2	16.6	16.9	17.0
Illinois	340.2	347.1	347.3	1,105.3	1,123.2	1,128.1	709.8	716.7	725.5
Aurora-Elgin	6.8	6.8	6.8	26.2	28.5	28.4	14.6	14.5	14.6
Bloomington-Normal	9.1	9.2	9.2	10.9	11.2	11.2	12.0	12.3	12.3
Champaign-Urbana-Rantoul	3.1	3.3	3.2	14.0	14.3	14.3	34.2	31.0	34.4
Chicago	245.5	252.3	252.4	742.2	760.1	762.2	357.6	359.3	362.8
Davenport-Rock Island-Moline	7.7	8.0	8.0	29.2	30.2	30.0	27.5	27.1	27.3
Decatur	2.8	2.7	2.7	10.1	10.2	10.2	5.4	5.5	5.5
Joliet	3.7	3.8	3.8	18.7	18.9	18.9	16.0	16.0	16.1
Kankakee	1.6	1.6	1.6	8.0	8.1	8.2	6.4	6.4	6.6
Lake County	6.7	6.6	6.3	36.4	40.0	40.2	28.6	28.1	28.5
Peoria	6.7	7.0	7.0	31.7	32.0	32.1	16.1	16.0	16.1
Rockford	5.1	5.5	5.4	23.8	23.9	23.9	12.1	12.2	12.2
Springfield	7.7	7.9	7.8	23.7	22.4	22.5	31.3	31.5	31.7
Indiana	107.0	111.7	111.7	413.7	425.7	431.3	347.7	348.0	356.4
Anderson	1.6	1.6	1.6	9.2	9.4	9.4	5.7	5.7	5.8
Bloomington	1.5	1.6	1.6	7.5	7.6	7.7	17.9	17.4	18.5
Elkhart-Goshen	2.3	2.4	2.4	12.0	12.6	12.6	5.5	5.4	5.6
Evansville	4.8	4.9	4.9	27.5	28.1	28.2	11.8	11.6	12.0
Fort Wayne	11.1	11.7	11.7	34.2	35.5	35.8	17.4	17.6	17.8
Gary-Hammond	7.8	8.1	8.1	42.6	43.8	44.1	30.7	30.1	30.6
Indianapolis	41.8	43.4	43.3	122.2	129.8	130.9	87.9	88.7	89.6
Kokomo	1.3	1.4	1.4	5.8	5.8	5.9	5.4	5.4	5.6
Lafayette	2.8	2.9	2.9	10.5	10.9	10.9	21.0	20.2	21.3
Muncie	1.5	1.6	1.6	9.6	9.7	9.8	11.3	11.2	11.4
South Bend-Mishawaka	5.2	5.6	5.6	28.5	29.4	29.6	11.2	11.4	11.5
Terre Haute	1.8	1.8	1.8	10.6	10.7	10.7	10.7	10.3	10.8
Iowa	62.2	63.5	63.4	233.5	237.9	239.3	211.4	209.5	215.9
Cedar Rapids	4.7	4.6	4.5	17.4	17.9	17.9	10.2	9.9	10.1
Des Moines	24.7	26.2	26.2	47.7	50.3	50.8	29.2	30.2	30.6
Dubuque	1.4	1.4	1.4	11.4	12.4	12.5	3.5	3.5	3.6
Iowa City	1.4	1.5	1.5	7.5	7.6	7.7	25.6	22.5	24.9
Sioux City	2.6	2.6	2.6	12.2	12.9	13.2	6.3	6.5	6.5
Waterloo-Cedar Falls	3.1	3.2	3.2	13.4	14.0	14.0	12.4	12.0	13.1
Kansas	53.3	54.6	54.4	188.5	194.2	194.7	197.5	194.6	199.5
Lawrence .....	.9	1.0	1.0	5.1	5.2	5.4	11.3	10.9	11.4
Topeka	5.8	6.1	6.1	18.4	18.9	19.0	21.0	20.6	21.0
Wichita	10.5	10.9	10.9	42.0	43.2	43.5	25.7	24.9	25.5
Kentucky	55.7	60.1	60.3	251.2	260.3	261.2	239.1	238.4	242.2
Lexington-Fayette	8.5	9.0	9.0	37.7	38.6	38.9	34.8	32.7	35.1
Louisville	26.7	28.1	28.1	92.9	97.2	97.9	59.2	59.3	60.1
Owensboro	1.3	1.4	1.4	7.1	7.3	7.4	4.9	5.2	5.2
Louisiana	85.2	84.7	84.8	319.6	312.8	313.0	324.8	318.5	320.3
Alexandria	2.6	2.6	2.6	10.6	11.0	11.1	13.0	12.8	12.7
Baton Rouge	13.6	13.2	13.3	41.0	41.1	41.4	55.9	55.2	56.2
Houma-Thibodaux	2.6	2.4	2.4	8.8	8.0	8.1	11.3	10.7	11.0
Lafayette	4.2	4.0	4.0	19.9	17.4	17.3	13.4	12.2	12.7
Lake Charles	2.7	2.7	2.7	10.6	10.6	10.6	10.5	10.6	10.5
Monroe	4.4	4.5	4.4	11.1	11.2	11.1	10.3	10.0	10.9
New Orleans	33.5	34.1	34.0	134.1	131.8	132.0	88.5	85.0	84.7
Shreveport	7.9	7.8	7.8	30.0	30.0	30.6	25.6	25.1	25.2
Maine	21.6	23.1	23.0	95.5	101.6	102.6	89.7	86.9	91.2
Lewiston-Auburn	1.9	2.1	2.2	9.7	9.9	10.2	3.9	4.0	4.0
Portland	10.2	11.4	11.3	25.6	26.4	26.5	15.1	14.1	15.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Maryland	1,879.6	1,966.0	1,959.3	1.4	1.6	1.6	121.2	150.5	143.2
Baltimore MSA	1,016.3	1,052.6	1,047.1	.2	.2	.2	57.3	65.9	63.7
Baltimore City	444.1	451.2	451.0	(^b)	(^b)	(^b)	15.7	17.0	16.5
Suburban Maryland-D.C.	666.3	701.2	698.8	.4	.3	.3	53.1	61.0	57.7
Massachusetts	2,916.6	2,968.3	2,983.6	1.4	2.0	2.0	102.2	114.2	110.7
Boston	1,646.1	1,682.6	1,690.7	.6	.8	.8	53.9	59.1	58.1
Brockton	69.1	70.7	71.1	(^b)	(^b)	(^b)	3.0	3.8	3.9
Fall River	54.2	55.0	54.9	(^b)	(^b)	(^b)	1.5	1.9	1.8
Fitchburg-Leominster	39.3	39.2	39.3	(^b)	(^b)	(^b)	1.7	1.8	1.8
Lawrence-Haverhill	158.9	158.7	158.8	(^b)	(^b)	(^b)	10.4	8.4	8.3
Lowell	102.7	103.6	103.9	.2	.1	.1	4.0	4.5	4.4
New Bedford	64.5	64.9	64.8	(^b)	(^b)	(^b)	2.1	2.7	2.5
Pittsfield	40.8	42.1	41.8	.1	.1	.1	1.5	1.8	1.7
Springfield	224.7	231.7	234.0	.1	.2	.2	6.7	7.6	7.4
Worcester	187.1	191.0	192.9	.1	.2	.1	6.9	7.7	7.4
Michigan	3,580.0	3,628.1	3,643.2	9.8	9.8	10.1	95.9	107.6	104.0
Ann Arbor	157.3	163.4	164.0	(^b)	(^b)	(^b)	4.2	4.1	4.0
Battle Creek	53.6	54.6	54.9	(^b)	(^b)	(^b)	1.1	1.2	1.3
Benton Harbor	60.3	61.4	61.6	(^b)	(^b)	(^b)	1.1	1.2	1.2
Detroit	1,796.5	1,848.2	1,848.6	.8	.8	.8	49.6	58.5	57.7
Flint	176.8	173.1	175.4	(^b)	(^b)	(^b)	4.1	4.6	4.5
Grand Rapids	295.6	297.1	298.5	(^b)	(^b)	(^b)	11.2	12.9	12.8
Jackson	48.4	49.4	49.4	(^b)	(^b)	(^b)	1.0	1.1	1.1
Kalamazoo	100.2	102.3	102.9	(^b)	(^b)	(^b)	2.7	2.8	2.7
Lansing-East Lansing	196.6	200.0	202.2	(^b)	(^b)	(^b)	4.5	5.2	4.8
Muskegon	55.0	54.8	55.0	(^b)	(^b)	(^b)	1.6	1.7	1.6
Saginaw-Bay City-Midland	147.5	149.3	149.4	(^b)	(^b)	(^b)	4.8	5.6	5.3
Minnesota	1,832.5	1,876.9	1,881.3	6.2	4.6	4.6	55.8	64.3	62.6
Duluth	79.4	80.2	80.0	3.9	2.9	2.9	2.2	3.2	2.9
Minneapolis-St. Paul	1,199.8	1,229.6	1,231.7	(^b)	(^b)	(^b)	39.1	45.9	44.6
Rochester	53.7	55.3	55.1	(^b)	(^b)	(^b)	1.4	1.3	1.3
St. Cloud	63.9	66.3	67.2	(^b)	(^b)	(^b)	2.6	3.0	3.2
Mississippi	842.5	846.3	849.3	8.3	6.2	6.1	33.1	31.8	31.5
Jackson	168.1	171.2	171.6	1.5	1.2	1.2	8.0	8.1	8.0
Missouri	2,077.0	2,107.1	2,109.4	5.7	5.2	5.2	83.3	92.0	89.0
Kansas City	701.9	708.4	712.8	.5	.5	.5	30.0	34.1	33.6
St. Joseph	35.2	35.0	35.1	(^b)	(^b)	(^b)	1.2	1.2	1.2
St. Louis	1,069.9	1,083.4	1,080.5	3.5	3.5	3.4	49.1	54.1	50.9
Springfield	100.0	103.0	103.1	.1	.1	.1	3.7	3.8	3.8
Montana	268.1	270.5	270.2	6.0	5.5	5.6	7.5	7.6	7.6
Nebraska	637.7	647.0	648.6	1.6	2.0	1.9	19.9	22.0	21.4
Lincoln	106.0	105.5	107.1	(^b)	(^b)	(^b)	3.4	3.3	3.3
Omaha	285.7	289.5	289.6	.2	.2	.2	10.0	11.3	10.9
Nevada	450.0	476.6	479.2	5.9	6.6	6.5	23.6	26.8	26.8
Las Vegas	252.7	271.2	272.6	.3	.3	.3	14.5	16.4	16.5
Reno	121.0	125.6	126.4	.7	.7	.7	5.6	6.6	6.6
New Hampshire	472.4	493.4	492.5	.4	.4	.4	31.3	32.9	31.7
Nashua	84.9	88.1	87.8	.1	.1	.1	3.9	4.9	4.9
Portsmouth-Dover-Rochester,NH-ME	98.5	103.4	103.5	.1	.1	.1	4.2	4.9	4.8
New Jersey	3,383.1	3,478.3	3,470.9	1.9	2.1	2.1	128.8	146.9	141.1
Atlantic City	141.2	149.1	149.5	(^b)	(^b)	(^b)	7.8	9.9	9.6
Bergen-Passaic	635.0	646.5	644.2	.3	.1	.1	23.7	28.5	27.2
Camden	396.2	409.7	408.3	.1	.1	.1	16.7	20.2	19.3
Jersey City	230.7	236.7	239.1	(^b)	(^b)	(^b)	5.6	6.1	5.9
Middlesex-Somerset-Hunterdon	479.3	491.7	493.8	.5	.5	.5	18.8	20.3	19.7
Monmouth-Ocean	289.0	303.2	302.6	(^b)	(^b)	(^b)	15.5	18.2	17.7
Newark	924.8	950.0	946.2	.6	.7	.7	30.6	35.6	34.3
Trenton	182.9	189.8	189.3	(^b)	(^b)	(^b)	3.6	4.3	4.1
Vineland-Millville-Bridgeton	52.3	54.5	54.2	.3	.4	.3	1.7	2.3	2.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Maryland	209.4	207.8	207.3	89.7	91.2	91.8	472.6	500.5	495.6
Baltimore MSA	133.3	131.9	131.8	54.5	54.0	54.1	245.8	258.4	254.6
Baltimore City	48.2	45.9	45.9	28.1	27.1	27.3	94.4	95.9	94.9
Suburban Maryland-D.C.	35.6	35.7	35.7	23.1	24.2	24.3	177.8	189.7	187.5
Massachusetts	627.9	610.9	608.8	123.8	124.8	125.4	678.1	702.0	697.3
Boston	295.8	291.4	291.5	72.6	73.5	73.4	367.3	384.3	380.1
Brockton	11.9	11.1	11.0	5.3	5.0	5.1	20.2	21.6	21.5
Fall River	18.0	16.9	17.0	1.8	1.9	1.9	13.5	14.5	14.2
Fitchburg-Leominster	13.5	13.2	13.2	1.5	1.4	1.4	9.5	9.9	10.0
Lawrence-Haverhill	53.7	52.2	51.6	6.5	6.7	6.7	32.5	35.7	35.4
Lowell	38.4	37.3	37.0	3.4	3.3	3.2	21.6	21.7	21.8
New Bedford	21.7	21.1	21.1	2.9	3.1	3.1	14.5	14.4	14.4
Pittsfield	12.0	12.0	11.9	.9	1.0	.9	10.6	11.1	10.9
Springfield	51.8	52.1	52.3	8.9	9.0	9.1	52.3	55.0	54.8
Worcester	46.4	45.4	45.4	8.1	7.9	8.1	45.6	48.3	48.3
Michigan	1,004.3	984.0	987.2	144.9	148.9	148.7	778.1	820.5	810.8
Ann Arbor	39.1	39.4	39.1	4.6	5.0	4.8	23.7	26.5	26.7
Battle Creek	14.4	14.9	15.0	1.8	1.8	1.8	9.9	10.4	10.2
Benton Harbor	21.2	21.3	21.2	2.5	2.5	2.5	11.2	11.5	11.3
Detroit	494.1	485.8	486.0	81.1	84.9	85.5	405.0	428.4	423.3
Flint	67.5	60.2	62.1	4.7	4.5	4.5	40.8	42.5	42.3
Grand Rapids	95.6	92.5	93.1	10.8	10.7	10.8	72.5	74.3	73.8
Jackson	12.8	12.9	12.9	4.1	4.1	4.1	10.6	11.1	10.9
Kalamazoo	29.2	29.0	29.3	3.2	3.4	3.4	21.5	22.6	22.4
Lansing-East Lansing	38.6	37.4	38.0	5.6	5.2	5.2	37.6	39.1	38.4
Muskegon	18.3	17.4	17.6	2.6	2.6	2.6	11.5	11.8	11.7
Saginaw-Bay City-Midland	46.1	44.9	44.6	7.0	7.2	7.2	32.8	34.0	33.6
Minnesota	360.8	363.7	363.5	96.3	96.2	96.4	450.6	465.7	462.0
Duluth	6.8	7.1	7.1	5.4	4.9	4.9	20.5	21.5	21.5
Minneapolis-St. Paul	248.2	249.1	248.2	66.7	66.3	66.6	291.3	305.1	302.3
Rochester	10.8	10.4	10.4	1.7	1.5	1.5	10.8	11.7	11.4
St. Cloud	11.3	11.7	12.0	3.7	3.6	3.7	18.9	20.8	20.6
Mississippi	223.1	219.4	220.6	38.4	39.4	39.5	177.7	182.6	181.9
Jackson	19.8	19.9	20.0	10.8	11.2	11.2	40.6	41.6	41.5
Missouri	424.7	414.2	412.0	138.4	140.7	140.4	490.7	493.7	491.1
Kansas City	118.5	113.4	116.7	54.5	54.1	54.3	178.2	179.6	177.8
St. Joseph	9.0	8.9	9.0	2.1	2.1	2.1	8.5	8.6	8.4
St. Louis	223.9	216.9	215.7	72.6	73.8	73.0	251.5	256.2	254.2
Springfield	19.7	19.7	19.5	6.3	6.4	6.5	26.7	27.9	27.9
Montana	20.2	21.1	20.7	20.3	19.7	19.8	69.1	70.8	70.5
Nebraska	84.6	82.6	82.7	42.4	42.9	42.6	163.8	168.6	167.5
Lincoln	12.5	12.9	12.8	5.9	5.8	5.8	24.5	24.7	24.8
Omaha	32.1	31.5	31.8	22.8	23.3	23.2	73.3	75.4	74.6
Nevada	21.8	22.7	22.9	25.7	26.9	27.0	90.0	96.2	96.1
Las Vegas	7.9	8.2	8.4	14.4	15.4	15.5	52.5	55.9	56.1
Reno	8.0	8.4	8.5	8.4	8.6	8.6	27.0	28.9	28.4
New Hampshire	120.2	118.0	118.2	16.0	17.5	17.4	112.4	123.8	123.5
Nashua	35.9	35.2	34.9	2.2	2.1	2.2	18.3	20.6	20.4
Portsmouth-Dover-Rochester,NH-ME	21.1	20.2	20.1	2.5	2.7	2.6	23.7	27.1	27.0
New Jersey	691.1	684.5	686.3	228.1	230.6	230.6	798.7	836.6	827.3
Atlantic City	8.1	8.4	8.4	5.8	5.9	6.0	27.1	28.6	28.4
Bergen-Passaic	165.2	159.7	160.3	31.4	28.8	28.5	177.4	185.9	184.8
Camden	74.8	74.1	74.4	16.8	17.3	17.4	104.9	107.3	105.9
Jersey City	50.7	51.7	52.4	30.1	30.2	30.6	54.8	58.3	57.8
Middlesex-Somerset-Hunterdon	112.7	112.5	113.2	38.8	39.9	39.9	115.6	119.2	118.2
Monmouth-Ocean	30.7	30.3	30.2	15.0	16.1	16.0	77.8	83.9	83.3
Newark	187.6	188.5	188.4	79.9	80.7	81.0	189.0	197.1	194.9
Trenton	31.6	31.8	31.6	5.9	6.2	6.2	29.2	31.2	31.1
Vineland-Millville-Bridgeton	14.5	14.7	14.7	2.0	2.1	2.1	10.5	10.9	10.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Maryland	111.7	118.3	118.7	478.0	509.3	511.9	395.6	386.8	389.2
Baltimore MSA	68.0	72.8	73.0	252.0	264.7	264.6	205.2	204.7	205.1
Baltimore City	42.6	45.2	45.3	127.2	133.3	134.6	87.9	86.8	86.5
Suburban Maryland-D.C.	36.4	38.9	39.1	187.5	197.8	198.2	152.4	153.6	156.0
Massachusetts	194.8	209.0	209.3	798.4	819.7	838.2	390.0	385.7	391.9
Boston	135.0	142.8	142.7	525.0	535.3	547.9	195.9	195.4	196.2
Brockton	2.9	3.0	3.1	14.3	14.2	14.5	11.5	12.0	12.0
Fall River	2.7	2.8	2.9	10.2	10.5	10.5	6.5	6.5	6.6
Fitchburg-Leominster	1.5	1.6	1.6	6.8	6.9	6.8	4.8	4.4	4.5
Lawrence-Haverhill	5.6	6.0	6.0	29.5	30.5	31.1	20.7	19.2	19.7
Lowell	3.7	4.1	4.2	18.3	19.9	20.2	13.1	12.7	13.0
New Bedford	2.4	2.5	2.5	11.4	12.0	12.0	9.5	9.1	9.2
Pittsfield	2.0	2.1	2.1	8.9	9.5	9.6	4.8	4.5	4.6
Springfield	14.7	15.8	15.7	53.2	54.3	56.4	37.0	37.7	38.1
Worcester	11.9	12.7	12.7	45.0	45.7	47.5	23.1	23.1	23.4
Michigan	165.4	174.8	174.2	771.1	790.5	796.8	610.6	592.1	611.3
Ann Arbor	4.1	4.4	4.5	31.2	32.2	32.4	50.3	51.7	52.5
Battle Creek	3.7	3.7	3.7	11.1	11.5	11.5	11.5	11.1	11.5
Benton Harbor	2.3	2.5	2.5	13.5	14.2	14.2	8.5	8.2	8.6
Detroit	96.5	101.5	101.0	433.9	452.0	453.8	235.4	236.4	240.5
Flint	5.9	6.3	6.3	30.3	31.9	32.0	23.4	23.0	23.7
Grand Rapids	12.9	13.6	13.5	61.4	62.2	62.8	30.8	30.6	31.4
Jackson	1.6	1.5	1.5	9.0	9.3	9.2	9.0	9.1	9.4
Kalamazoo	4.4	4.7	4.7	21.9	22.7	22.8	17.1	17.0	17.4
Lansing-East Lansing	10.4	11.1	11.1	33.3	36.0	36.2	66.2	65.7	68.2
Muskegon	1.3	1.4	1.4	10.8	11.1	11.2	8.7	8.7	8.9
Saginaw-Bay City-Midland	6.0	5.9	5.9	29.3	30.0	30.5	21.4	21.5	22.1
Minnesota	112.5	118.5	118.6	434.8	448.9	451.4	315.7	314.8	322.1
Duluth	3.0	3.2	3.2	19.2	19.0	19.0	18.5	18.4	18.4
Minneapolis-St. Paul	86.4	91.8	92.2	296.7	303.4	304.1	170.8	167.4	173.0
Rochester	1.5	1.6	1.6	21.5	22.7	22.8	5.9	6.0	6.1
St. Cloud	2.3	2.4	2.4	12.8	12.7	13.0	12.4	12.0	12.3
Mississippi	36.2	37.7	37.9	132.6	135.4	136.7	193.0	193.8	195.0
Jackson	13.1	13.8	13.8	35.2	36.3	36.6	39.0	39.1	39.3
Missouri	124.5	131.6	131.5	466.3	486.6	488.5	343.4	343.1	351.7
Kansas City	54.6	56.9	56.8	156.8	160.7	161.0	108.8	109.1	112.1
St. Joseph	1.9	1.8	1.8	6.8	6.7	6.7	5.7	5.7	5.9
St. Louis	68.0	71.9	71.6	262.1	273.2	275.3	139.2	133.8	136.4
Springfield	4.9	5.1	5.0	25.3	26.3	26.6	13.3	13.7	13.7
Montana	12.8	12.7	12.8	60.2	62.3	62.4	72.0	70.8	70.8
Nebraska	46.1	48.0	48.1	143.0	145.1	146.4	136.3	135.8	138.0
Lincoln	7.6	7.7	7.8	21.7	22.1	22.3	30.4	29.0	30.3
Omaha	27.7	29.4	29.5	75.8	74.6	75.5	43.8	43.8	43.9
Nevada	21.3	23.3	23.4	199.5	212.0	212.6	62.2	62.1	63.9
Las Vegas	12.7	13.9	14.1	119.3	129.6	129.5	31.1	31.5	32.2
Reno	6.4	7.0	7.0	48.9	50.0	50.4	16.0	15.4	16.2
New Hampshire	26.8	29.4	29.5	103.2	108.6	108.7	62.1	62.8	63.1
Nashua	3.0	3.3	3.3	15.5	15.8	15.9	6.0	6.1	6.1
Portsmouth-Dover-Rochester,NH-ME	5.4	6.1	6.1	16.6	17.9	18.1	24.9	24.4	24.7
New Jersey	202.6	213.0	212.7	796.6	827.8	830.2	535.3	536.8	540.6
Atlantic City	6.4	6.7	6.7	61.5	64.4	65.3	24.3	25.1	25.0
Bergen-Passaic	33.2	36.0	36.0	136.2	141.4	141.2	67.6	66.1	66.1
Camden	21.1	22.6	22.4	90.8	94.0	94.6	71.1	74.1	74.2
Jersey City	9.8	10.3	10.3	39.5	41.5	41.8	40.2	40.6	40.3
Middlesex-Somerset-Hunterdon	31.1	33.2	33.1	91.2	96.4	97.2	70.7	69.7	72.0
Monmouth-Ocean	16.2	17.0	17.1	74.1	77.2	77.2	59.5	60.4	61.0
Newark	71.4	74.9	74.8	232.7	238.9	237.9	132.8	133.6	134.2
Trenton	8.7	8.7	8.7	51.5	54.1	54.3	52.4	53.5	53.3
Vineland-Millville-Bridgeton	2.8	2.9	2.9	9.3	9.8	9.8	11.2	11.4	11.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P	Feb. 1986	Jan. 1987	Feb. 1987 ^P
New Mexico	521.1	523.9	527.6	19.0	14.7	14.7	32.7	33.0	32.8
Albuquerque	223.1	226.5	228.1	.2	.2	.2	15.8	16.4	16.3
Las Cruces	39.1	40.3	41.3	.1	.1	.1	2.5	2.6	2.7
Santa Fe	51.1	53.3	53.3	.1	.1	.1	2.8	3.2	3.1
New York	7,727.3	7,872.5	7,903.7	5.2	5.2	5.2	262.1	289.5	283.7
Albany-Schenectady-Troy	383.6	389.2	391.9	.2	.2	.2	13.3	16.1	15.3
Binghamton	116.1	116.0	116.8	(¹)	(¹)	(¹)	4.3	4.7	4.5
Buffalo	411.1	415.5	419.8	.4	.4	.3	11.4	11.8	11.4
Elmira	34.4	36.4	36.4	(¹)	(¹)	(¹)	1.0	1.2	1.1
Glens Falls	41.5	43.5	43.8	(¹)	(¹)	(¹)	1.3	1.5	1.5
Nassau-Suffolk	1,063.8	1,095.1	1,093.8	.3	.2	.2	46.4	51.5	50.1
New York PMSA	3,990.1	4,045.6	4,056.6	1.4	1.3	1.3	132.5	140.1	138.3
New York City	3,490.8	3,533.7	3,544.3	.9	.8	.8	106.1	110.0	109.1
Niagara Falls	76.1	75.6	76.3	(¹)	(¹)	(¹)	1.9	2.2	2.0
Orange County	92.9	95.1	95.6	(¹)	(¹)	(¹)	3.4	3.9	3.7
Poughkeepsie	113.6	113.1	114.0	(²)	(²)	(²)	4.8	5.6	5.4
Rochester	450.7	448.7	450.7	.6	.8	.8	13.1	14.4	14.0
Rockland County	93.0	94.8	94.7	(²)	(²)	(²)	3.9	4.3	4.2
Syracuse	286.2	291.3	292.7	.1	.2	.2	13.4	13.2	12.7
Utica-Rome	114.8	116.1	117.0	.1	.1	.1	2.5	2.8	2.6
Westchester County	389.9	400.0	400.4	.3	.3	.3	21.6	24.6	23.9
North Carolina	2,681.7	2,756.9	2,762.8	4.6	4.7	4.7	146.7	156.0	154.5
Asheville	74.2	74.0	73.9	.1	.1	.1	3.5	3.5	3.4
Charlotte-Gastonia-Rock Hill	529.8	547.8	549.1	.4	.3	.3	29.4	31.2	30.6
Greensboro-Winston-Salem-High Point	442.5	449.2	448.5	.3	.3	.3	23.1	23.1	22.8
Raleigh-Durham	364.5	373.6	374.2	.4	.3	.3	22.9	24.0	23.8
North Dakota	243.6	243.5	243.9	5.6	3.9	3.8	7.3	7.9	7.6
Bismarck	34.9	35.7	35.6	.2	.2	.2	1.1	1.2	1.1
Fargo-Moorhead	66.7	69.0	69.0	(¹)	(¹)	(¹)	2.3	2.6	2.4
Grand Forks	28.0	28.0	28.6	(¹)	(¹)	(¹)	1.0	1.1	1.1
Ohio	4,348.7	4,466.2	4,470.1	23.8	21.2	20.8	128.7	144.7	139.5
Akron	254.6	259.5	259.3	.8	.7	.6	6.9	7.9	7.6
Canton	149.0	151.3	151.5	1.2	1.1	1.0	4.1	4.9	4.6
Cincinnati	629.5	650.8	655.0	.3	.3	.3	21.6	25.0	24.2
Cleveland	857.0	877.6	876.4	1.2	1.0	1.0	22.0	22.6	21.9
Columbus	610.0	637.9	638.5	.9	.8	.9	19.9	22.8	22.3
Dayton-Springfield	410.1	423.9	423.4	.3	.4	.4	11.6	14.6	14.0
Toledo	265.7	276.6	276.9	.2	.2	.1	7.6	9.0	8.7
Youngstown-Warren	182.6	187.9	187.3	.7	.5	.5	5.1	6.1	5.8
Oklahoma	1,142.4	1,124.4	1,122.5	59.5	53.4	52.2	37.8	38.1	38.4
Enid	23.5	21.5	21.3	1.7	1.2	1.1	.8	.8	.8
Lawton	33.6	32.7	32.8	.2	.2	.2	1.2	1.3	1.3
Oklahoma City	417.3	401.0	401.8	15.1	12.2	11.8	13.4	13.0	12.9
Tulsa	299.0	298.7	297.7	18.2	17.1	17.0	11.6	12.1	12.2
Oregon	1,025.3	1,051.8	1,061.0	1.2	1.2	1.3	30.1	29.0	28.8
Eugene-Springfield	96.4	99.2	100.0	.1	.1	.1	2.5	2.6	2.6
Portland	520.4	527.5	531.7	.5	.5	.5	17.1	17.0	16.8
Salem	87.5	88.4	89.4	.1	.1	.1	2.8	2.5	2.4
Pennsylvania	4,672.1	4,749.7	4,756.0	33.5	31.4	30.8	160.0	182.2	174.6
Allentown-Bethlehem	258.5	261.0	261.9	.4	.4	.4	8.7	10.8	10.2
Altoona	46.8	48.0	48.1	(²)	(²)	(²)	1.8	2.1	2.0
Beaver County	50.7	49.0	48.7	(²)	(²)	(²)	3.3	3.6	3.6
Erie	107.7	107.8	107.8	.3	.3	.2	2.3	2.9	2.7
Harrisburg-Lebanon-Carlisle	274.8	284.5	284.9	.4	.4	.4	8.9	10.7	10.3
Johnstown	73.0	75.6	75.6	3.6	3.8	3.8	1.9	2.2	2.0
Lancaster	166.6	172.9	174.2	.3	.3	.3	7.9	9.2	9.1
Philadelphia PMSA	2,043.5	2,105.4	2,101.2	1.1	1.1	1.1	76.5	93.7	88.9
Philadelphia City	753.4	761.7	760.1	(²)	(²)	(²)	15.9	17.4	16.7
Pittsburgh	821.1	833.7	830.7	6.8	6.6	6.4	31.3	36.3	35.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
New Mexico	36.6	37.1	37.1	29.5	28.7	29.0	122.5	127.7	127.1
Albuquerque	19.3	19.3	19.3	12.3	12.5	12.5	56.4	58.6	58.2
Las Cruces	3.2	3.6	3.5	1.3	1.3	1.3	7.5	7.7	7.7
Santa Fe	1.6	1.6	1.6	1.3	1.2	1.2	9.6	10.5	10.5
New York	1,259.5	1,215.3	1,221.6	403.4	401.0	401.4	1,614.7	1,675.2	1,661.8
Albany-Schenectady-Troy	50.7	48.0	48.1	16.1	16.2	16.3	81.6	84.2	84.2
Binghamton	38.6	36.9	36.8	4.1	4.0	4.1	23.6	25.3	25.1
Buffalo	76.6	75.3	75.3	20.9	21.3	21.3	102.8	106.1	106.3
Elmira	6.7	7.0	7.0	1.3	1.3	1.3	9.5	10.2	10.2
Glens Falls	9.8	10.2	10.3	1.2	1.3	1.3	9.3	10.2	10.3
Nassau-Suffolk	179.7	180.9	180.5	45.7	47.2	47.2	283.9	296.5	292.8
New York PMSA	480.4	458.9	466.8	247.4	240.5	240.8	746.6	760.0	753.8
New York City	395.6	374.3	381.7	222.4	215.5	215.8	626.6	636.2	630.7
Niagara Falls	24.6	24.1	24.0	3.3	3.3	3.3	16.8	17.3	17.2
Orange County	14.7	14.3	14.6	5.5	5.5	5.6	23.9	25.6	25.4
Poughkeepsie	32.9	30.9	30.7	3.3	3.3	3.3	20.1	21.1	20.9
Rochester	143.4	134.4	134.2	13.6	13.9	13.9	92.2	96.3	95.5
Rockland County	16.0	15.7	15.8	4.2	4.2	4.2	21.9	22.9	22.6
Syracuse	54.8	54.0	53.6	15.8	16.6	16.7	66.3	70.3	69.6
Utica-Rome	24.5	23.7	23.6	4.6	4.7	4.7	24.4	25.8	25.6
Westchester County ..	67.1	67.0	67.5	20.1	20.2	20.1	94.0	96.6	96.2
North Carolina	828.0	834.0	833.7	129.7	131.8	132.2	586.6	614.9	612.2
Asheville	21.1	20.0	19.9	3.5	3.6	3.6	16.5	16.9	16.7
Charlotte-Gastonia-Rock Hill	145.4	148.9	149.2	45.3	46.9	47.1	125.1	130.1	129.6
Greensboro-Winston-Salem-High Point	152.1	151.5	151.2	24.2	25.0	24.7	97.8	100.7	100.3
Raleigh-Durham	60.2	58.1	58.0	17.2	18.0	18.0	73.3	75.5	75.1
North Dakota	15.0	15.2	15.4	16.0	15.4	15.3	64.8	65.0	64.6
Bismarck	1.8	1.8	1.8	2.7	2.6	2.6	9.4	9.5	9.4
Fargo-Moorhead	4.6	4.8	4.8	4.1	4.2	4.2	19.6	20.2	20.1
Grand Forks	1.5	1.5	1.6	1.5	1.4	1.4	7.8	7.9	7.9
Ohio	1,109.8	1,095.7	1,097.1	197.5	205.1	206.0	1,020.6	1,068.0	1,056.9
Akron	66.6	66.6	66.3	12.8	12.9	13.1	61.0	64.1	63.3
Canton	44.4	42.7	43.0	5.7	5.8	6.0	36.5	38.5	38.3
Cincinnati	147.8	144.3	147.3	32.8	33.7	34.0	158.3	168.2	166.5
Cleveland	205.5	203.9	203.7	40.4	41.1	41.0	207.2	213.2	211.1
Columbus	105.9	105.1	104.2	25.1	26.9	27.6	150.7	157.3	156.6
Dayton-Springfield	105.1	105.8	105.0	14.2	14.7	14.7	90.0	95.1	93.9
Toledo	63.8	63.0	62.7	13.5	14.2	14.3	64.2	67.0	66.0
Youngstown-Warren	51.8	51.1	50.9	7.4	8.0	7.9	44.5	46.2	45.7
Oklahoma	166.6	158.9	158.6	64.3	63.2	62.5	274.7	276.1	271.4
Enid	1.7	1.5	1.5	2.4	2.1	2.0	6.5	6.1	6.0
Lawton	3.4	3.3	3.3	1.4	1.3	1.3	8.8	8.6	8.5
Oklahoma City	50.7	48.9	48.7	20.9	20.1	19.9	104.9	97.8	97.2
Tulsa	52.4	50.1	49.9	22.2	22.7	22.6	71.5	73.3	72.2
Oregon	190.6	189.2	191.3	55.7	57.0	56.9	254.9	267.0	265.1
Eugene-Springfield	17.5	18.2	18.1	4.0	4.0	4.0	24.5	25.4	25.3
Portland	90.5	87.7	88.4	32.7	32.5	32.8	136.3	141.0	140.3
Salem	11.5	10.7	11.1	2.5	2.5	2.5	19.7	20.6	20.6
Pennsylvania	1,053.7	1,024.9	1,028.3	237.0	238.9	239.4	1,052.4	1,097.0	1,086.9
Allentown-Bethlehem	81.7	76.3	76.7	13.7	13.9	14.0	55.7	59.0	58.3
Altoona	10.4	10.3	10.6	4.7	4.8	4.8	12.0	12.4	12.3
Beaver County	11.6	9.5	9.2	5.0	5.0	5.0	10.7	11.1	11.0
Erie	35.6	34.3	34.3	3.9	3.9	3.8	22.7	23.1	22.9
Harrisburg-Lebanon-Carlisle	50.7	50.7	50.7	17.6	17.8	17.9	61.3	65.1	64.9
Johnstown	11.8	12.6	12.6	5.0	5.0	5.0	15.2	15.8	15.6
Lancaster	57.6	58.8	59.5	6.8	7.0	7.0	40.0	41.8	41.4
Philadelphia PMSA	385.5	377.4	376.8	94.0	96.3	96.3	470.7	493.0	488.2
Philadelphia City	100.6	98.7	97.4	44.3	45.6	45.0	145.0	148.1	147.2
Pittsburgh	132.4	123.8	125.1	44.7	44.0	43.5	204.9	213.7	210.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
New Mexico	26.2	27.0	26.9	115.6	118.5	119.2	139.0	137.2	140.8
Albuquerque	13.9	14.6	14.5	59.9	61.7	62.5	45.3	43.2	44.6
Las Cruces	1.5	1.6	1.6	5.6	6.1	6.1	17.4	17.3	18.3
Santa Fe	2.0	2.1	2.1	12.6	13.1	13.1	21.1	21.5	21.6
New York	735.4	763.7	763.9	2,064.6	2,140.4	2,162.4	1,382.3	1,382.2	1,403.7
Albany-Schenectady-Troy	20.6	21.6	21.7	92.8	94.9	95.7	108.4	107.9	110.3
Binghamton	3.8	3.8	3.8	20.6	20.9	21.0	21.1	20.3	21.3
Buffalo	23.5	24.9	24.8	103.1	104.8	107.2	72.4	71.0	73.1
Elmira	1.2	1.2	1.2	8.5	9.0	9.1	6.3	6.5	6.5
Glens Falls	1.8	1.9	1.8	9.1	9.2	9.3	8.9	9.0	9.2
Nassau-Suffolk	68.1	72.8	73.0	260.9	268.1	269.5	178.9	177.8	180.5
New York PMSA	544.8	560.9	560.6	1,190.0	1,226.2	1,233.4	647.0	657.6	661.5
New York City	516.3	530.6	530.4	1,055.9	1,088.5	1,094.9	567.0	577.8	580.9
Niagara Falls	1.9	1.7	1.7	15.4	15.1	15.8	12.2	11.6	12.1
Orange County	3.8	4.0	4.0	19.7	20.2	20.3	21.8	21.5	22.0
Poughkeepsie	3.8	4.2	4.2	24.4	24.1	25.1	24.3	23.9	24.3
Rochester	20.0	20.8	20.7	103.4	105.4	106.7	64.4	62.8	64.8
Rockland County	3.6	3.7	3.7	22.3	22.9	23.0	21.0	21.0	21.2
Syracuse	18.5	18.8	18.7	67.8	68.5	70.5	49.5	49.7	50.8
Utica-Rome	6.2	6.4	6.5	23.9	24.1	24.4	28.6	28.4	29.6
Westchester County	24.3	25.9	25.9	107.2	110.2	110.8	55.3	55.0	55.7
North Carolina	113.7	122.0	122.3	436.3	455.4	459.0	436.3	438.0	444.2
Asheville	2.6	2.6	2.6	15.4	15.3	15.4	11.6	12.0	12.2
Charlotte-Gastonia-Rock Hill	31.4	33.7	34.0	92.8	95.9	96.8	60.1	60.8	61.4
Greensboro-Winston-Salem-High Point	20.6	21.7	21.6	73.4	75.2	75.3	50.9	51.6	52.1
Raleigh-Durham	20.5	22.7	22.8	83.7	88.0	89.0	86.5	86.9	87.0
North Dakota	12.2	12.4	12.4	58.0	59.1	59.2	64.7	64.6	65.6
Bismarck	1.6	1.6	1.6	10.0	10.3	10.3	8.1	8.5	8.6
Fargo-Moorhead	4.2	4.3	4.4	18.1	18.7	18.8	13.8	14.2	14.3
Grand Forks	1.1	1.2	1.1	6.0	6.2	6.3	9.1	8.7	9.2
Ohio	224.2	236.6	237.4	956.8	1,006.1	1,013.5	687.3	688.8	699.0
Akron	9.7	10.2	10.2	53.7	54.6	54.6	43.0	42.5	43.6
Canton	6.3	6.5	6.6	32.3	33.4	33.4	18.5	18.3	18.7
Cincinnati	36.5	38.7	38.9	146.6	154.5	156.3	85.7	86.1	87.6
Cleveland	50.0	53.1	53.3	215.1	226.6	227.1	115.7	116.1	117.2
Columbus	51.6	54.9	55.1	138.5	149.5	150.5	117.3	120.6	121.2
Dayton-Springfield	16.8	17.6	17.6	98.1	102.5	103.5	74.0	73.2	74.1
Toledo	10.6	11.3	11.4	63.7	70.3	70.7	42.1	41.7	43.1
Youngstown-Warren	7.7	8.2	8.2	41.1	43.1	43.0	24.4	24.6	25.2
Oklahoma	62.7	62.4	61.9	221.5	221.5	222.7	255.3	250.8	254.8
Enid	1.2	1.0	1.0	5.3	5.1	5.2	3.9	3.7	3.7
Lawton	1.6	1.5	1.5	5.5	5.3	5.3	11.5	11.2	11.4
Oklahoma City	26.7	26.1	25.7	85.5	84.8	85.8	100.1	98.1	99.8
Tulsa	17.5	17.4	17.3	68.4	69.2	69.8	37.2	36.8	36.7
Oregon	67.1	70.7	70.8	222.3	233.3	239.0	203.4	204.4	207.8
Eugene-Springfield	4.5	4.6	4.7	20.8	22.1	22.4	22.5	22.2	22.8
Portland	42.2	43.3	43.3	125.0	129.1	132.4	76.1	76.4	77.2
Salem	5.1	5.5	5.5	17.3	18.0	18.3	28.5	28.5	28.9
Pennsylvania	267.9	280.5	280.8	1,179.7	1,222.8	1,230.8	687.9	672.0	684.4
Allentown-Bethlehem	10.1	10.5	10.6	58.6	60.6	61.9	29.6	29.5	29.8
Altoona	1.4	1.5	1.5	9.5	9.9	9.9	7.0	7.0	7.0
Beaver County	1.7	1.7	1.7	10.5	10.7	10.7	7.9	7.4	7.5
Erie	4.9	4.9	4.9	24.3	25.1	25.3	13.7	13.3	13.7
Harrisburg-Lebanon-Carlisle	15.3	16.1	16.1	55.5	58.6	58.7	65.1	65.1	65.9
Johnstown	4.6	5.0	5.4	18.3	18.9	18.9	12.6	12.3	12.3
Lancaster	6.2	6.5	6.5	32.5	34.4	34.7	15.3	14.9	15.7
Philadelphia PMSA	147.3	155.3	155.0	569.7	591.3	597.4	298.7	297.3	297.5
Philadelphia City	67.5	70.3	69.8	239.7	243.0	247.6	140.4	136.6	136.4
Pittsburgh	50.3	52.3	52.1	246.1	254.8	254.9	104.6	102.2	103.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Pennsylvania-Continued									
Reading	139.8	145.2	144.8	(²)	(²)	(²)	4.7	5.6	5.2
Scranton-Wilkes-Barre	273.3	277.2	277.2	0.7	0.8	0.8	7.8	9.1	8.4
Sharon	39.1	39.2	39.4	.2	.2	.1	.7	1.0	.9
State College	50.6	48.8	52.2	.2	.2	.2	1.3	1.4	1.4
Williamsport	45.5	47.4	47.3	(²)	(²)	(²)	1.3	1.5	1.4
York	160.4	164.0	163.6	.4	.4	.4	7.0	8.1	7.8
Rhode Island	429.4	438.1	437.6	.1	.1	.1	14.0	15.8	15.4
Pawtucket-Woonsocket-Attleboro	127.1	129.5	129.3	.1	.1	.1	3.4	3.7	3.5
Providence	301.1	310.6	310.3	.1	.1	.1	10.5	14.0	13.7
South Carolina	1,308.1	1,344.7	1,352.2	1.6	1.6	1.6	84.7	86.0	86.1
Charleston	175.2	181.2	182.2	(¹)	(¹)	(¹)	13.6	14.0	14.2
Columbia	212.0	212.2	213.1	(¹)	(¹)	(¹)	13.4	14.4	14.7
Greenville-Spartanburg	288.6	300.6	300.7	(¹)	(¹)	(¹)	20.7	21.0	20.8
South Dakota	242.7	246.3	246.7	2.4	2.4	2.4	6.4	7.4	7.2
Rapid City	31.3	32.7	32.5	.2	.3	.2	1.5	2.1	1.9
Sioux Falls	61.3	61.7	61.6	(¹)	(¹)	(¹)	1.7	1.7	1.6
Tennessee	1,868.9	1,960.2	1,963.4	7.3	6.8	6.9	79.9	92.7	91.5
Chattanooga	175.8	180.5	179.0	.9	.8	.9	6.7	6.7	6.3
Johnson City-Kingsport-Bristol	151.2	154.4	153.4	.2	.2	.2	5.3	4.8	4.8
Knoxville	233.1	236.4	236.4	1.9	1.8	1.8	10.8	11.7	11.5
Memphis	391.5	407.1	409.4	.1	.1	.1	17.1	18.9	18.1
Nashville	439.1	450.7	453.8	.8	.7	.7	25.0	29.3	29.6
Texas	6,641.7	6,469.7	6,485.4	240.4	190.7	190.0	421.3	377.4	372.4
Abilene	53.0	49.8	50.2	3.5	2.3	2.2	2.6	2.3	2.4
Amarillo	78.8	77.7	77.2	1.7	1.3	1.3	4.0	3.9	3.9
Austin	364.5	361.0	363.2	1.1	1.0	1.0	24.7	21.5	21.3
Beaumont-Port Arthur	131.7	126.6	127.2	2.3	1.6	1.6	8.6	7.3	7.6
Brazoria	59.2	55.7	56.3	2.0	1.3	1.3	6.1	5.4	5.6
Brownsville-Harlingen	65.9	65.7	65.8	.1	.1	.1	3.0	2.7	2.8
Bryan-College Station	49.5	45.9	48.4	1.0	.8	.8	2.4	2.1	2.0
Corpus Christi	131.9	128.0	128.1	7.3	6.0	6.0	8.9	8.0	7.7
Dallas	1,337.9	1,316.6	1,312.4	23.2	19.1	19.0	86.8	69.5	67.2
El Paso	182.8	184.4	183.1	.2	.2	.1	9.8	9.4	9.7
Ft. Worth-Arlington	506.9	509.6	510.0	4.2	3.4	3.4	31.5	29.5	29.3
Galveston-Texas City	71.6	69.1	69.2	.7	.4	.4	5.2	4.5	4.4
Houston	1,447.1	1,372.6	1,371.9	81.7	64.0	63.5	98.5	84.0	83.9
Killeen-Temple	67.1	67.5	67.6	.1	.1	.1	3.9	3.7	3.7
Laredo	34.8	34.8	34.8	1.9	1.8	1.9	1.4	1.3	1.4
Longview-Marshall	67.0	64.8	64.7	4.6	3.5	3.5	3.3	3.0	3.0
Lubbock	90.6	89.9	90.8	.4	.3	.3	4.2	3.2	3.2
McAllen-Edinburg-Mission	87.6	89.1	89.3	1.4	1.1	1.1	4.6	4.6	4.7
Midland	48.9	44.0	44.1	11.1	9.0	8.8	1.9	1.6	1.5
Odessa	50.1	43.1	43.4	8.4	6.1	6.1	3.1	2.4	2.3
San Angelo	37.6	36.8	37.1	.9	.6	.6	2.1	2.0	2.0
San Antonio	491.5	492.7	494.5	3.1	2.7	2.6	36.8	32.2	31.7
Sherman-Denison	37.9	38.1	38.0	.2	.1	.1	1.7	1.8	1.8
Texarkana	44.7	44.5	44.6	.1	.1	.1	2.0	1.4	1.4
Tyler	61.7	60.1	60.0	2.5	1.9	1.9	3.0	2.8	2.6
Victoria	29.0	27.8	27.9	2.6	1.8	1.8	2.2	1.8	1.9
Waco	78.6	77.6	78.0	.2	.1	.1	4.0	3.9	3.8
Wichita Falls	50.8	50.0	50.0	2.7	2.0	2.0	2.2	2.0	2.0
Utah	624.0	630.1	631.8	8.6	8.3	8.3	29.0	26.8	26.1
Provo-Orem	72.1	73.7	74.0	(¹)	(¹)	(¹)	2.6	2.5	2.3
Salt Lake City-Ogden	433.5	440.6	441.9	1.8	2.5	2.5	20.4	18.5	18.9
Vermont	228.7	240.3	241.2	.4	.3	.3	12.6	14.7	14.0
Barre-Montpelier	30.5	32.0	32.2	.2	.1	.1	1.5	1.8	1.7
Burlington	70.0	71.1	71.9	(¹)	(¹)	(¹)	3.9	4.0	3.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Pennsylvania—Continued									
Reading	48.1	48.4	48.5	6.2	6.5	6.6	29.7	31.7	31.0
Scranton-Wilkes-Barre	72.1	71.4	71.1	14.5	14.7	14.7	60.5	62.3	62.0
Sharon	9.5	8.8	8.8	2.1	1.8	1.8	10.0	10.5	10.5
State College	7.6	7.0	7.5	1.2	1.3	1.3	8.9	9.2	9.4
Williamsport	14.6	15.4	15.3	1.8	1.8	1.8	10.1	10.7	10.6
York	57.8	56.9	56.9	6.9	6.8	6.9	37.4	39.2	38.7
Rhode Island	118.4	118.5	119.2	14.0	14.6	14.6	94.0	97.1	96.3
Pawtucket-Woonsocket-Attleboro	55.3	55.2	55.3	3.3	3.5	3.5	29.2	30.3	30.2
Providence	74.3	74.0	74.6	10.8	11.4	11.4	64.5	67.6	67.1
South Carolina	363.4	364.0	363.9	55.4	56.1	56.2	275.7	294.3	294.2
Charleston	19.6	20.2	20.5	8.9	8.9	9.0	42.3	44.8	44.5
Columbia	27.6	28.5	28.8	9.9	10.2	9.9	46.8	45.8	45.8
Greenville-Spartanburg	96.8	98.4	98.1	10.1	10.9	10.9	64.2	69.1	68.9
South Dakota	27.0	28.5	28.5	12.6	12.5	12.5	62.3	63.9	63.6
Rapid City	2.8	3.1	3.1	1.9	1.8	1.8	9.0	9.5	9.4
Sioux Falls	8.1	8.4	8.3	4.7	4.7	4.6	16.4	16.2	16.0
Tennessee	486.1	492.7	491.6	94.1	97.0	97.0	430.8	459.9	455.3
Chattanooga	43.6	43.8	43.7	8.5	8.7	8.6	39.4	41.5	41.9
Johnson City-Kingsport-Bristol	52.1	52.1	51.9	6.1	6.2	6.2	32.9	35.1	33.4
Knoxville	51.0	50.0	50.2	8.9	9.0	8.9	56.9	56.7	55.8
Memphis	50.6	51.3	51.3	34.1	36.7	36.8	107.5	110.3	109.8
Nashville	89.0	88.9	88.6	21.8	21.8	22.1	106.5	108.0	108.6
Texas	976.3	941.1	942.3	375.0	376.3	377.4	1,674.7	1,658.2	1,652.8
Abilene	5.2	4.8	4.8	2.6	2.5	2.6	14.6	13.9	14.0
Amarillo	9.6	9.8	9.8	6.2	5.8	5.8	23.0	23.1	22.6
Austin	40.9	39.4	39.4	11.1	11.4	11.4	80.9	81.3	80.5
Beaumont-Port Arthur	25.9	24.1	24.1	10.1	9.7	9.7	31.9	31.3	31.3
Brazoria	16.4	15.2	15.2	2.6	2.2	2.2	11.2	10.8	10.8
Brownsville-Harlingen	9.6	9.8	9.6	3.3	3.1	3.1	17.9	17.7	17.8
Bryan-College Station	3.3	2.8	2.8	1.6	1.6	1.6	11.0	10.7	11.1
Corpus Christi	12.5	11.8	11.8	7.4	7.1	7.2	33.7	33.8	33.8
Dallas	229.2	223.3	222.9	85.9	86.1	86.1	355.8	356.1	353.1
El Paso	36.6	34.4	34.1	9.8	10.1	10.0	44.3	45.3	44.7
Ft. Worth-Arlington	113.9	111.9	111.8	25.9	27.0	27.2	134.9	136.6	134.9
Galveston-Texas City	9.8	9.1	9.0	5.1	4.4	4.4	13.3	13.2	13.1
Houston	164.5	147.2	147.5	97.6	92.2	92.3	365.3	355.0	351.1
Killeen-Temple	8.8	8.6	8.5	2.8	2.7	2.7	15.6	16.2	16.0
Laredo	1.9	1.7	1.8	3.8	4.0	3.9	10.4	10.1	9.9
Longview-Marshall	15.7	14.9	14.8	3.5	3.1	3.1	17.1	17.1	17.1
Lubbock	7.4	7.2	7.2	4.7	4.5	4.6	27.1	27.6	27.8
McAllen-Edinburg-Mission	12.1	13.0	13.0	2.8	2.8	2.8	25.9	26.1	26.3
Midland	3.8	3.1	3.1	2.4	2.2	2.3	11.1	10.6	10.6
Odessa	4.7	3.5	3.5	2.3	2.0	2.0	14.4	13.0	13.0
San Angelo	5.6	5.9	5.9	3.4	3.2	3.2	9.4	9.2	9.4
San Antonio	48.8	46.4	46.3	18.9	18.1	18.1	126.3	130.1	129.6
Sherman-Denison	11.7	11.1	11.0	2.1	2.1	2.1	8.2	8.9	8.8
Texarkana	7.2	7.2	7.2	1.9	1.9	1.9	10.5	10.8	10.6
Tyler	11.3	11.0	11.0	2.9	2.7	2.7	16.3	16.2	16.1
Victoria	3.0	2.8	3.0	1.6	1.4	1.5	7.8	8.1	7.7
Waco	16.2	14.6	14.8	3.4	3.5	3.4	18.6	19.0	19.1
Wichita Falls	8.1	8.1	8.0	2.7	2.6	2.6	12.2	12.4	12.3
Utah	92.4	89.2	89.6	37.5	37.5	37.3	146.8	152.9	151.9
Provo-Orem	11.5	9.9	10.0	2.4	2.6	2.6	14.9	16.0	15.9
Salt Lake City-Ogden	62.0	60.9	60.8	29.0	29.0	28.9	107.4	112.6	111.6
Vermont	48.9	49.6	49.6	9.4	10.0	10.0	50.6	54.2	54.5
Barre-Montpelier	4.3	4.2	4.5	.8	.8	.8	6.5	6.9	6.9
Burlington	16.9	16.6	16.5	2.9	3.0	3.0	15.7	16.2	16.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Pennsylvania—Continued									
Reading	7.0	7.4	7.4	27.5	28.8	28.8	16.6	18.8	17.3
Scranton-Wilkes-Barre	11.3	12.1	12.1	64.3	66.0	66.6	42.1	40.8	41.5
Sharon	1.3	1.3	1.4	10.0	10.5	10.7	5.3	5.1	5.2
State College	1.5	1.6	1.6	8.5	8.9	9.0	21.4	19.2	21.8
Williamsport	2.1	2.2	2.2	9.1	9.3	9.4	6.5	6.5	6.6
York	4.5	4.9	4.8	28.4	29.8	30.1	18.0	17.9	18.0
Rhode Island	24.4	25.1	25.0	105.5	108.2	108.5	59.0	58.7	58.5
Pawtucket-Woonsocket-Attleboro	3.4	3.5	3.5	22.6	23.3	23.4	9.8	9.9	9.8
Providence	20.3	21.6	21.5	76.6	78.1	78.3	44.0	43.8	43.6
South Carolina	58.4	62.0	62.2	212.9	222.2	224.9	256.0	258.5	263.1
Charleston	7.7	8.4	8.4	35.0	36.1	36.4	48.0	48.7	49.1
Columbia	17.2	17.0	17.0	38.3	39.1	39.3	58.5	56.9	57.3
Greenville-Spartanburg	11.4	11.5	11.5	46.0	48.6	48.7	39.1	40.8	41.5
South Dakota	14.0	14.2	14.2	58.9	59.0	59.5	59.1	58.3	58.9
Rapid City	1.6	1.6	1.6	7.7	7.7	7.8	6.5	6.6	6.5
Sioux Falls	6.0	5.8	5.9	16.9	17.5	17.7	7.4	7.3	7.4
Tennessee	91.4	93.4	93.5	366.2	394.5	400.0	313.0	323.2	327.6
Chattanooga	10.7	11.7	11.8	34.5	34.5	32.7	31.6	32.8	33.1
Johnson City-Kingsport-Bristol	4.8	4.8	4.8	26.0	26.3	26.4	23.9	24.9	25.7
Knoxville	8.8	8.3	8.4	47.0	47.9	48.8	47.8	51.0	51.0
Memphis	22.1	23.1	23.2	90.0	96.9	98.3	70.0	69.8	71.8
Nashville	30.1	30.2	30.3	101.5	105.4	107.1	64.5	66.4	66.8
Texas	446.6	441.4	441.5	1,367.9	1,349.1	1,358.1	1,139.5	1,135.5	1,150.9
Arlene	2.6	2.6	2.6	13.5	13.1	13.3	8.4	8.3	8.3
Amarillo	4.3	4.3	4.4	15.8	16.1	16.0	14.2	13.4	13.4
Austin	25.1	25.5	25.6	82.2	83.4	83.7	98.5	97.5	100.3
Beaumont-Port Arthur	5.5	5.5	5.4	27.4	27.1	27.4	20.0	20.0	20.1
Brazoria	2.2	1.9	1.9	7.9	7.7	7.7	10.8	11.2	11.6
Brownsville-Harlingen	3.5	3.3	3.3	13.0	13.5	13.5	15.5	15.5	15.6
Bryan-College Station	1.9	1.7	1.7	8.0	7.5	7.7	20.3	18.7	20.7
Corpus Christi	6.8	6.8	6.8	27.7	27.5	27.5	27.6	27.0	27.3
Dallas	131.9	131.3	131.3	283.8	283.0	283.1	141.3	148.2	149.7
El Paso	9.4	9.9	9.9	33.6	35.6	35.4	39.1	39.5	39.2
Ft. Worth-Arlington	28.0	28.5	28.6	105.1	109.7	110.9	63.4	63.0	63.9
Galveston-Texas City	4.5	4.4	4.4	12.4	12.5	12.6	20.6	20.6	20.9
Houston	106.2	100.7	100.4	343.0	340.2	342.5	190.3	189.3	190.7
Killeen-Temple	3.0	2.9	3.0	13.3	13.8	13.9	19.6	19.5	19.7
Laredo	1.6	1.6	1.6	5.6	6.0	5.9	8.2	8.3	8.4
Longview-Marshall	3.2	3.4	3.4	11.3	11.4	11.4	8.3	8.4	8.4
Lubbock	5.4	5.3	5.3	19.8	20.7	20.9	21.6	21.1	21.7
McAllen-Edinburg-Mission	4.1	3.9	3.9	13.7	13.8	13.7	23.0	23.8	23.8
Midland	3.1	2.9	2.9	9.2	8.5	8.6	6.3	6.1	6.3
Odessa	1.7	1.6	1.7	7.9	7.1	7.2	7.6	7.4	7.6
San Angelo	1.8	1.8	1.8	7.7	7.5	7.5	6.7	6.6	6.7
San Antonio	38.0	38.6	39.1	112.1	115.0	116.6	107.5	109.6	110.5
Sherman-Denison	1.4	1.4	1.4	7.4	7.6	7.6	5.2	5.1	5.2
Texarkana	1.9	1.8	1.8	8.8	8.8	9.0	12.3	12.5	12.6
Tyler	3.8	3.7	3.6	13.1	13.1	13.3	8.8	8.7	8.8
Victoria	1.6	1.5	1.5	5.8	6.0	6.1	4.4	4.4	4.4
Waco	4.7	4.8	4.8	19.2	19.4	19.6	12.3	12.3	12.4
Wichita Falls	2.4	2.4	2.4	10.9	11.1	11.2	9.6	9.4	9.5
Utah	32.1	33.1	33.3	135.3	140.1	140.8	142.3	142.3	144.4
Provo-Orem	2.1	2.3	2.3	25.1	26.7	27.0	13.5	13.7	13.9
Salt Lake City-Ogden	26.5	27.1	27.4	92.2	94.6	95.4	94.2	94.5	96.3
Vermont	10.5	11.4	11.5	57.3	61.6	61.1	39.0	38.5	40.2
Barre-Montpelier	2.7	3.0	2.9	6.6	7.2	7.3	7.9	8.0	8.0
Burlington	3.1	3.3	3.3	16.0	17.6	17.6	11.5	10.4	11.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Virginia	2,470.2	2,573.6	2,567.0	16.6	15.9	15.4	148.8	164.1	160.9
Bristol	29.1	30.3	30.1	.1	.1	.1	.7	.7	.7
Charlottesville	59.8	62.5	62.2	.1	.1	.1	3.0	3.5	3.4
Danville	38.0	39.0	38.8	.1	.1	.1	1.2	1.1	1.1
Lynchburg	69.3	70.6	70.2	.1	.1	.1	2.6	3.0	2.9
Norfolk-Virginia Beach-Newport News	514.4	526.8	526.1	.1	.1	.1	34.5	35.3	34.5
Northern Virginia	630.2	664.3	661.4	.5	.4	.4	42.6	45.0	43.6
Richmond-Petersburg	404.2	420.9	419.7	.4	.3	.3	23.0	24.8	24.7
Roanoke	114.5	118.3	117.8	.1	.1	.1	5.8	6.3	6.2
Washington	1,718.0	1,765.0	1,770.0	2.6	2.8	2.8	75.1	80.6	80.8
Seattle	863.1	895.7	898.7	.5	.6	.6	41.1	42.6	42.3
West Virginia	580.5	586.3	585.2	41.7	37.1	36.6	17.3	20.7	19.6
Charleston	104.3	106.0	105.0	2.5	2.1	2.0	3.3	4.1	3.5
Huntington-Ashland	98.0	99.6	98.6	1.0	1.0	1.0	3.0	3.2	2.8
Parkersburg-Marietta	56.6	57.9	57.6	.9	.7	.8	2.1	2.5	2.2
Wheeling	55.6	56.1	55.7	2.5	2.4	2.3	1.2	1.4	1.2
Wisconsin	1,956.6	1,991.8	1,991.1	1.2	1.5	1.4	52.1	57.6	55.3
Appleton-Oshkosh-Neenah	135.6	136.9	137.7	(¹)	(¹)	(¹)	4.9	5.1	4.7
Eau Claire	51.3	53.7	54.0	(¹)	(¹)	(¹)	1.2	1.3	1.3
Green Bay	88.5	89.0	89.8	(¹)	(¹)	(¹)	3.3	2.4	2.6
Janesville-Beloit	52.4	52.1	52.3	(¹)	(¹)	(¹)	1.0	1.3	1.3
Kenosha	34.8	37.7	38.1	(¹)	(¹)	(¹)	.9	1.0	.9
La Crosse	48.1	47.7	48.1	(¹)	(¹)	(¹)	1.0	1.0	1.0
Madison	186.9	189.5	191.3	(¹)	(¹)	(¹)	5.3	5.1	4.9
Milwaukee	661.8	677.8	675.9	(¹)	(¹)	(¹)	17.2	19.2	19.1
Racine	66.9	68.2	67.6	(¹)	(¹)	(¹)	1.4	2.2	1.9
Sheboygan	42.9	44.5	44.5	(¹)	(¹)	(¹)	1.2	1.2	1.0
Wausau	42.9	44.3	44.2	(¹)	(¹)	(¹)	1.2	1.2	1.2
Wyoming	196.7	186.3	185.4	21.8	17.5	17.2	16.0	11.4	11.0
Puerto Rico	702.9	720.8	723.6	.7	.8	.9	23.6	31.3	31.9
Caguas	43.2	43.1	43.4	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	51.4	51.6	51.3	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	45.5	45.5	45.7	.1	.1	.1	2.2	3.2	3.3
San Juan	433.2	445.4	446.5	.4	.5	.6	17.8	24.1	24.8
Virgin Islands	38.0	37.8	38.4	(¹)	(¹)	(¹)	2.3	2.2	2.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Virginia	422.5	423.2	422.8	132.9	139.9	140.0	550.8	585.8	579.7
Bristol	9.4	9.5	9.5	1.1	1.2	1.2	7.6	8.2	8.1
Charlottesville	8.5	8.6	8.6	2.1	2.1	2.1	11.4	11.8	11.5
Danville	16.1	16.7	16.8	.9	1.0	1.0	7.8	8.0	7.9
Lynchburg	24.3	24.3	24.1	2.9	2.9	2.9	13.0	13.4	13.2
Norfolk-Virginia Beach-Newport News	69.2	66.6	66.1	25.4	25.5	25.5	123.9	130.9	130.2
Northern Virginia	33.5	34.4	34.4	43.6	47.5	47.3	146.7	155.8	154.5
Richmond-Petersburg	62.7	63.2	63.4	21.7	22.1	22.1	97.4	101.3	100.0
Roanoke	20.8	20.6	20.5	8.9	8.8	8.8	30.3	32.0	31.8
Washington	298.5	299.7	299.6	93.6	94.4	94.7	416.2	434.3	431.6
Seattle	168.0	175.2	176.0	56.1	57.4	57.6	211.9	222.6	221.5
West Virginia	86.8	86.0	86.1	36.6	35.6	35.6	130.2	134.9	133.1
Charleston	12.6	12.2	12.1	8.3	8.1	8.0	27.0	27.8	27.5
Huntington-Ashland	19.3	19.4	19.2	7.4	7.1	7.1	24.7	25.4	25.2
Parkersburg-Marietta	14.4	13.9	13.8	2.0	2.0	2.0	13.4	14.2	14.0
Wheeling	7.5	6.3	6.5	3.0	3.0	2.9	14.3	15.6	15.5
Wisconsin	502.2	504.5	505.6	91.3	90.7	90.6	454.2	472.4	468.9
Appleton-Oshkosh-Neenah	48.3	47.5	47.6	5.2	5.2	5.3	28.3	29.3	29.1
Eau Claire	9.6	10.0	9.8	2.8	3.0	3.0	14.1	16.0	16.0
Green Bay	23.5	23.5	23.4	6.3	6.4	6.4	23.0	23.4	23.6
Janesville-Beloit	17.5	16.4	16.6	2.0	1.8	1.9	12.8	13.2	13.1
Kenosha	9.3	11.4	12.1	1.3	1.3	1.3	7.9	8.2	8.2
La Crosse	10.3	10.0	9.9	2.3	2.2	2.2	13.0	13.7	13.8
Madison	20.4	21.6	21.2	6.4	6.4	6.5	40.1	41.9	42.0
Milwaukee	168.9	166.8	166.2	34.6	34.7	34.5	147.2	157.4	155.3
Racine	25.0	24.3	24.2	2.3	2.3	2.3	15.0	16.1	16.0
Sheboygan	18.1	18.8	18.7	1.4	1.4	1.4	8.1	8.5	8.5
Wausau	11.3	12.0	11.9	2.7	2.7	2.7	10.5	11.2	11.1
Wyoming	7.4	7.8	7.5	14.2	13.9	13.9	43.9	43.6	42.8
Puerto Rico	151.6	148.2	150.1	14.8	15.2	15.5	122.0	128.0	125.5
Caguas	14.6	14.8	15.2	(¹)	(¹)	(¹)	8.2	8.1	8.0
Mayaguez	20.4	20.1	19.9	(¹)	(¹)	(¹)	6.7	7.1	6.8
Ponce	9.7	8.7	9.0	(¹)	(¹)	(¹)	7.2	7.6	7.5
San Juan	65.8	63.6	64.0	11.7	11.6	11.7	84.4	88.5	86.5
Virgin Islands	1.9	1.7	1.8	2.4	2.5	2.5	8.7	8.7	8.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Virginia	125.0	133.4	133.6	549.1	584.1	586.3	524.6	526.9	528.4
Bristol .....	.9	.9	.9	4.2	4.4	4.4	5.1	5.3	5.3
Charlottesville	2.8	3.0	3.1	10.1	10.8	10.8	21.8	22.6	22.7
Danville	1.1	1.1	1.1	5.7	5.7	5.7	5.0	5.3	5.3
Lynchburg	3.2	3.3	3.3	13.6	14.2	14.3	9.6	9.5	9.5
Norfolk-Virginia Beach-Newport News	22.9	24.2	24.2	112.6	118.6	119.6	125.8	125.5	126.0
Northern Virginia	37.7	41.4	41.4	189.2	201.4	201.3	136.3	138.3	138.7
Richmond-Petersburg	32.4	33.8	33.9	79.0	85.0	85.4	87.6	90.3	89.9
Roanoke	7.4	8.1	8.1	25.8	26.7	26.6	15.4	15.7	15.6
Washington	102.6	106.1	106.4	379.4	396.0	399.3	350.0	351.1	354.8
Seattle	64.6	66.5	66.7	193.7	201.9	204.1	127.2	128.9	129.9
West Virginia	23.1	24.0	24.1	117.9	121.5	122.1	126.9	126.5	128.0
Charleston	5.8	6.0	6.0	23.8	24.7	24.8	21.0	21.0	21.1
Huntington-Ashland	4.1	4.3	4.3	19.0	20.0	20.0	19.5	19.2	19.0
Parkersburg-Marietta	2.1	2.1	2.1	12.3	12.9	12.8	9.4	9.6	9.9
Wheeling	2.6	2.6	2.6	15.3	15.6	15.5	9.2	9.2	9.2
Wisconsin	104.6	109.0	108.8	421.2	431.6	434.1	329.8	324.5	334.5
Appleton-Oshkosh-Neenah	6.8	7.1	7.2	25.3	26.1	26.6	16.6	16.5	17.0
Eau Claire	1.8	1.8	1.8	10.8	12.0	12.0	11.1	9.6	9.9
Green Bay	3.1	3.2	3.3	18.6	19.3	19.8	10.7	10.6	10.7
Janesville-Beloit	1.6	1.7	1.7	10.6	10.9	10.9	6.8	6.9	6.9
Kenosha	1.0	1.1	1.1	8.2	8.4	8.4	6.2	6.2	6.2
La Crosse	1.4	1.4	1.4	12.4	12.9	13.1	7.6	6.5	6.7
Madison	16.2	17.0	17.1	39.4	40.0	40.5	59.0	57.3	58.9
Milwaukee	45.1	47.2	46.8	165.9	171.2	171.8	82.5	81.0	81.9
Racine	2.1	2.1	2.1	12.9	12.8	12.8	8.1	8.3	8.3
Sheboygan	2.0	2.0	2.0	6.8	7.1	7.3	5.3	5.5	5.6
Wausau	3.2	3.4	3.4	7.7	7.8	7.9	6.2	5.8	6.0
Wyoming	8.0	8.0	8.0	31.7	31.7	31.8	53.7	52.5	53.1
Puerto Rico	32.1	33.2	33.4	97.1	99.1	101.4	261.1	265.0	264.9
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	14.9	14.9	14.9
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	16.2	16.2	16.3
Ponce	(¹)	(¹)	(¹)	8.0	7.4	7.8	15.4	15.5	15.4
San Juan	26.1	27.0	27.1	71.2	72.9	74.3	156.0	157.2	157.6
Virgin Islands	1.6	1.6	1.6	8.0	8.5	8.9	13.1	12.5	12.7

¹ Not available.

² Combined with construction.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication.
All State and area data have been adjusted to March 1986 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1964 to date

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.31	464.09
1986	34.8	8.75	304.50	42.3	12.45	526.64	37.5	12.42	465.75
Monthly data, not seasonally adjusted									
1986:									
March	34.7	\$8.73	\$302.93	42.3	\$12.35	\$522.41	36.4	\$12.22	\$444.81
April	34.6	8.72	301.71	42.0	12.43	522.06	37.6	12.29	462.10
May	34.7	8.72	302.58	41.8	12.44	519.99	37.9	12.33	467.31
June	34.9	8.71	303.98	42.0	12.50	525.00	37.8	12.31	465.32
July	35.0	8.69	304.15	41.6	12.46	518.34	38.3	12.31	471.47
August	35.1	8.70	305.37	42.3	12.51	529.17	38.4	12.39	475.78
September	34.8	8.81	306.59	42.3	12.52	529.60	38.5	12.54	482.79
October	34.7	8.81	305.71	42.2	12.51	527.92	38.0	12.62	479.56
November	34.7	8.85	307.10	41.6	12.57	522.91	36.5	12.59	459.54
December	34.9	8.83	308.17	42.6	12.60	536.76	36.9	12.70	468.63
1987:									
January	34.4	8.88	305.47	42.8	12.67	542.28	37.3	12.53	467.37
February ^p	34.5	8.89	306.71	42.1	12.52	527.09	36.9	12.45	459.41
March ^p	34.6	8.90	307.94	41.8	12.51	522.92	37.5	12.57	471.38

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1964 to date—Continued

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1964	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.55	329.18
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.89	342.27
1985	40.5	9.53	9.16	385.97	39.5	11.40	450.30	38.4	9.16	351.74
1986	40.7	9.73	9.33	396.01	39.2	11.63	455.90	38.4	9.35	359.04
Monthly data, not seasonally adjusted										
1986:										
March	40.7	\$9.72	\$9.33	\$395.60	39.4	\$11.62	\$457.83	38.3	\$9.33	\$357.34
April	40.5	9.70	9.33	392.85	39.0	11.55	450.45	38.3	9.29	355.81
May	40.6	9.71	9.34	394.23	39.0	11.54	450.06	38.4	9.29	356.74
June	40.8	9.70	9.32	395.76	39.4	11.57	455.86	38.5	9.32	358.82
July	40.2	9.74	9.35	391.55	39.4	11.61	457.43	38.5	9.30	358.05
August	40.7	9.68	9.27	393.98	39.4	11.61	457.43	38.5	9.32	358.82
September	41.0	9.73	9.31	398.93	39.1	11.70	457.47	38.3	9.37	358.87
October	40.8	9.72	9.31	396.58	39.1	11.68	456.69	38.4	9.35	359.04
November	41.0	9.77	9.36	400.57	39.3	11.75	461.78	38.4	9.46	363.26
December	41.6	9.84	9.41	409.34	39.2	11.71	459.03	38.4	9.47	363.65
1987:										
January	40.8	9.83	9.43	401.06	38.7	11.73	453.95	38.1	9.49	361.57
February ²	40.8	9.84	9.43	401.47	39.0	11.79	459.81	38.0	9.55	362.90
March ²	40.9	9.85	9.44	402.87	39.1	11.78	460.60	38.1	9.51	362.33

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1964 to date—Continued

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.89	256.43
1986	29.2	6.02	175.78	36.5	8.34	304.41	32.5	8.16	265.20
Monthly data, not seasonally adjusted									
1986:									
March	28.9	\$6.03	\$174.27	36.7	\$8.30	\$304.61	32.4	\$8.18	\$265.03
April	28.9	6.01	173.69	36.4	8.29	301.76	32.4	8.12	263.09
May	29.1	6.00	174.60	36.3	8.31	301.65	32.4	8.10	262.44
June	29.5	5.99	176.71	36.6	8.37	306.34	32.6	8.10	264.06
July	29.9	5.97	178.50	36.5	8.30	302.95	32.8	8.04	263.71
August	29.9	5.97	178.50	36.6	8.33	304.88	32.8	8.05	264.04
September	29.2	6.05	176.66	36.4	8.37	304.67	32.3	8.19	264.54
October	29.0	6.04	175.16	36.6	8.38	306.71	32.4	8.22	266.33
November	29.1	6.07	176.64	36.7	8.54	313.42	32.4	8.31	269.24
December	29.5	6.05	178.48	36.6	8.46	309.64	32.4	8.31	269.24
1987:									
January	28.4	6.07	172.39	36.5	8.58	313.17	32.2	8.36	269.19
February ^p	28.7	6.06	173.92	36.5	8.71	317.92	32.3	8.40	271.32
March ^p	28.8	6.05	174.24	36.4	8.68	315.95	32.2	8.40	270.48

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by detailed industry

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a
Total private ..		34.4	34.7	34.4	34.5	34.6					
Mining ..		42.4	42.3	42.8	42.1	41.8					
Metal mining ..	10	41.2	41.7	42.0	42.4						
Iron ores ..	101	41.2	42.3	43.1	43.5						
Copper ores ..	102	41.3	41.5	42.9	42.4						
Coal mining ..	11,12	41.3	41.3	42.3	42.5						
Bituminous coal and lignite mining ..	12	41.4	41.3	42.4	42.7						
Oil and gas extraction ..	13	43.4	42.7	43.1	41.7						
Crude petroleum, natural gas, and natural gas liquids ..	131,2	43.9	43.3	44.5	40.2						
Oil and gas field services ..	138	43.1	42.4	42.2	42.6						
Nonmetallic minerals, except fuels ..	14	40.6	42.8	43.1	43.2						
Crushed and broken stone ..	142	41.2	44.4	43.6	43.8						
Construction ..		35.2	36.4	37.3	36.9	37.5					
General building contractors ..	15	35.1	36.4	37.2	36.8						
Residential building construction ..	152	34.3	35.5	36.4	35.9						
Operative builders ..	153	37.9	39.3	38.4	36.6						
Nonresidential building construction ..	154	35.5	37.1	37.9	37.7						
Heavy construction contractors ..	16	37.4	39.3	40.3	41.3						
Highway and street construction ..	161	35.3	38.3	39.2	41.0						
Heavy construction, except highway ..	162	38.2	39.7	40.8	41.4						
Special trade contractors ..	17	34.6	35.6	36.6	35.8						
Plumbing, heating, and air conditioning ..	171	36.5	37.2	38.1	37.3						
Painting, paper hanging, and decorating ..	172	33.0	33.9	34.6	34.7						
Electrical work ..	173	37.9	38.5	39.0	37.8						
Masonry, stonework, and plastering ..	174	31.9	34.1	34.9	33.6						
Carpentering and flooring ..	175	33.1	33.5	35.0	34.9						
Roofing and sheet metal work ..	176	29.1	30.6	32.2	32.0						
Manufacturing ..		40.3	40.7	40.8	40.8	40.9	3.2	3.4	3.5	3.5	3.6
Durable goods ..		41.0	41.4	41.5	41.4	41.6	3.4	3.5	3.6	3.6	3.7
Lumber and wood products ..	24	39.3	40.0	40.0	40.4	40.6	2.9	3.2	3.3	3.5	
Logging camps and logging contractors ..	241	38.6	39.4	38.8	40.0	-	2.7	3.3	3.7	3.9	
Sawmills and planing mills ..	242	40.8	41.4	41.5	41.9		3.8	4.0	4.2	4.4	
Sawmills and planing mills, general ..	2421	41.2	41.6	41.6	42.1		4.0	4.2	4.4	4.7	
Hardwood dimension and flooring ..	2426	39.3	40.9	41.3	41.1		2.6	3.1	3.9	3.7	
Millwork, plywood, and structural members ..	243	39.5	40.3	40.0	40.5		2.7	3.1	3.0	3.2	
Millwork ..	2431	39.2	40.3	39.4	39.8		2.1	2.5	1.8	2.0	
Wood kitchen cabinets ..	2434	37.6	38.7	39.9	39.6		1.6	2.4	3.0	3.2	
Hardwood veneer and plywood ..	2435	40.3	40.6	41.2	41.0		3.3	3.5	3.9	4.0	
Softwood veneer and plywood ..	2436	42.6	43.2	41.5	43.7		5.3	5.3	4.7	5.3	
Wood containers ..	244	37.4	38.5	37.8	38.2		2.1	2.4	2.1	2.2	
Wood buildings and mobile homes ..	245	35.8	36.6	37.6	37.1		1.3	1.5	1.6	1.5	
Mobile homes ..	2451	36.4	37.3	37.0	37.0		1.3	1.5	1.2	1.3	
Miscellaneous wood products ..	249	39.5	39.8	39.8	40.5		2.9	3.0	3.1	3.2	
Furniture and fixtures ..	25	38.9	39.2	39.6	39.3	39.6	2.1	2.4	2.7	2.7	
Household furniture ..	251	38.3	38.8	39.6	39.3	-	1.9	2.3	2.7	2.8	
Wood household furniture ..	2511	38.7	38.9	39.9	39.4		2.1	2.3	2.7	2.7	
Upholstered household furniture ..	2512	37.5	37.8	39.3	39.1		1.4	1.8	2.7	2.6	
Metal household furniture ..	2514	39.9	41.1	40.3	41.2		3.0	4.2	3.0	4.2	
Mattresses and bedsprings ..	2515	37.9	38.4	38.5	38.0		1.6	2.1	2.5	2.3	
Office furniture ..	252	40.2	40.1	39.2	38.6		2.6	2.6	2.7	2.3	
Public building and related furniture ..	253	38.3	39.1	39.8	39.9		1.7	2.2	2.9	3.1	
Partitions and fixtures ..	254	40.0	40.4	40.5	39.9		2.6	2.6	2.8	2.8	
Miscellaneous furniture and fixtures ..	259	40.3	39.3	38.2	38.0		2.2	2.0	2.2	1.8	
Stone, clay, and glass products ..	32	40.6	41.5	41.7	41.8	42.1	4.2	4.5	4.4	4.6	
Flat glass ..	321	43.8	44.5	45.6	45.7	-	5.8	5.9	7.0	6.6	
Glass and glassware, pressed or blown ..	322	41.2	41.7	42.4	41.6		4.6	4.7	4.2	4.4	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Total private ..		\$8.74	\$8.73	\$8.88	\$8.89	\$8.90	\$300.66	\$302.93	\$305.47	\$306.71	\$307.94
Mining ..		12.32	12.35	12.67	12.52	12.51	522.37	522.41	542.28	527.09	522.92
Metal mining ..	10	13.44	13.38	12.80	12.79		553.73	557.95	537.60	542.30	
Iron ores	101	13.93	13.91	14.21	14.20		573.92	588.39	612.45	617.70	
Copper ores ..	102	12.92	12.73	11.41	11.33		533.60	528.30	489.49	480.39	
Coal mining	11,12	15.25	15.17	15.76	15.61		629.83	626.52	666.65	663.43	
Bituminous coal and lignite mining ..	12	15.30	15.22	15.82	15.66		633.42	628.59	670.77	668.68	
Oil and gas extraction	13	11.47	11.56	11.73	11.47		497.80	493.61	505.56	478.30	
Crude petroleum, natural gas, and natural gas liquids ..	131,2	13.76	13.75	14.18	14.02		604.06	595.38	631.01	563.60	
Oil and gas field services	138	10.28	10.32	10.01	9.88		443.07	437.57	422.42	420.89	
Nonmetallic minerals, except fuels ..	14	10.28	10.18	10.53	10.56		417.37	435.70	453.84	456.19	
Crushed and broken stone ..	142	9.49	9.49	9.63	9.72		390.99	421.36	419.87	425.74	
Construction ..		12.35	12.22	12.53	12.45	12.57	434.72	444.81	467.37	459.41	471.38
General building contractors	15	11.30	11.22	11.48	11.44		396.63	408.41	427.06	420.99	
Residential building construction	152	10.71	10.63	10.85	10.84		367.35	377.37	394.94	389.16	
Operative builders	153	9.32	9.41	9.94	9.94		353.23	369.81	381.70	363.80	
Nonresidential building construction	154	12.00	11.89	12.20	12.12		426.00	441.12	462.38	456.92	
Heavy construction contractors	16	11.69	11.41	11.72	11.54		437.21	448.41	472.32	476.60	
Highway and street construction	161	10.74	10.39	11.32	11.00		379.12	397.94	443.74	451.00	
Heavy construction, except highway ..	162	12.04	11.84	11.91	11.80		459.93	470.05	485.93	488.52	
Special trade contractors	17	13.01	12.92	13.19	13.14		450.15	459.95	482.75	470.41	
Plumbing, heating, and air conditioning	171	13.10	13.13	13.33	13.35		478.15	488.44	507.87	497.96	
Painting, paper hanging, and decorating ..	172	11.79	11.85	12.23	12.16		389.07	401.72	423.16	421.95	
Electrical work	173	14.32	14.29	14.55	14.55		542.73	550.17	567.45	549.99	
Masonry, stonework, and plastering ..	174	12.94	12.91	13.24	13.25		412.79	440.23	462.08	445.20	
Carpentering and flooring	175	12.08	12.13	12.20	12.25		399.85	406.36	427.00	427.53	
Roofing and sheet metal work ..	176	11.59	11.38	11.51	11.29		337.27	348.23	370.62	361.28	
Manufacturing ..		9.70	9.72	9.83	9.84	9.85	390.91	395.60	401.06	401.47	402.87
Durable goods ..		10.29	10.30	10.38	10.39	10.39	421.89	426.42	430.77	430.15	432.22
Lumber and wood products	24	8.36	8.33	8.29	8.32	8.28	328.55	333.20	331.60	336.13	336.17
Logging camps and logging contractors ..	241	11.08	10.98	10.62	10.60	-	427.69	432.61	412.06	424.00	-
Sawmills and planing mills	242	8.66	8.60	8.48	8.49		353.33	356.04	351.92	355.73	
Sawmills and planing mills, general ..	2421	9.09	9.01	8.87	8.87		374.51	374.82	368.99	373.43	
Hardwood dimension and flooring	2426	6.42	6.51	6.58	6.61		252.31	266.26	271.75	271.67	
Millwork, plywood, and structural members ..	243	8.26	8.25	8.22	8.30		326.27	332.48	328.80	336.15	
Millwork	2431	8.47	8.46	8.32	8.49		332.02	340.94	327.81	337.90	
Wood kitchen cabinets	2434	7.34	7.40	7.67	7.62		275.98	286.38	306.03	301.75	
Hardwood veneer and plywood ..	2435	6.72	6.81	6.80	6.82		270.82	276.49	280.16	279.62	
Softwood veneer and plywood ..	2436	9.92	9.82	9.64	9.71		422.59	424.22	400.06	424.33	
Wood containers	244	5.91	5.92	5.99	6.05		221.03	227.92	226.42	231.11	
Wood buildings and mobile homes ..	245	7.41	7.54	7.81	7.79		265.28	275.96	293.66	289.01	
Mobile homes	2451	7.42	7.55	7.82	7.75		270.09	281.62	289.34	286.75	
Miscellaneous wood products ..	249	7.13	7.16	7.22	7.21		281.64	284.97	287.36	292.01	
Furniture and fixtures ..	25	7.31	7.35	7.57	7.56	7.57	284.36	288.12	299.77	297.11	299.77
Household furniture	251	6.72	6.79	7.00	7.01	-	257.38	263.45	277.20	275.49	-
Wood household furniture	2511	6.26	6.33	6.49	6.49		242.26	246.24	258.95	255.71	
Upholstered household furniture ..	2512	7.32	7.40	7.67	7.70		274.50	279.72	301.43	301.07	
Metal household furniture	2514	6.83	6.75	7.06	7.09		272.52	277.43	284.52	292.11	
Mattresses and bedsprings ..	2515	7.12	7.20	7.43	7.37		269.85	276.48	286.06	280.06	
Office furniture	252	8.27	8.27	8.53	8.45		332.45	331.63	334.38	326.17	
Public building and related furniture ..	253	7.87	7.90	7.98	8.06		301.42	308.89	317.60	321.59	
Partitions and fixtures	254	8.73	8.72	9.06	9.15		349.20	352.29	366.93	365.09	
Miscellaneous furniture and fixtures ..	259	7.65	7.72	8.13	8.01		308.30	303.40	310.57	304.38	
Stone, clay, and glass products ..	32	9.94	9.93	10.18	10.16	10.17	403.56	412.10	424.51	424.69	428.16
Flat glass	321	13.94	14.06	14.46	14.39	-	610.57	625.67	659.38	657.62	-
Glass and glassware, pressed or blown ..	322	10.85	10.90	11.29	11.21		447.02	454.53	478.70	466.34	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	41.5	42.0	43.9	42.3		5.6	5.8	5.0	5.4	
Pressed and blown glass, nec	3229	40.8	41.3	40.7	40.8		3.4	3.4	3.2	3.3	
Products of purchased glass ..	323	41.8	41.6	41.7	42.3		3.0	3.1	3.6	4.1	
Cement, hydraulic	324	42.2	41.4	42.4	41.9		4.9	3.7	4.5	3.9	
Structural clay products	325	41.3	41.5	41.6	41.6		3.8	3.7	4.0	3.9	
Pottery and related products	326	40.1	40.3	39.8	40.3		3.0	2.9	2.6	2.8	
Concrete, gypsum, and plaster products ..	327	39.3	41.5	41.6	42.2		4.6	5.6	5.2	5.4	
Concrete block and brick ..	3271	41.3	43.3	43.3	43.3		5.5	6.7	6.3	6.2	
Concrete products, nec ..	3272	40.7	42.5	43.1	42.9		4.9	5.5	5.6	5.4	
Ready-mixed concrete	3273	36.3	39.0	39.4	40.4		3.6	4.9	4.1	4.8	
Misc. nonmetallic mineral products ...	329	41.5	41.7	41.5	41.3		3.8	3.9	4.1	4.6	
Abrasive products ...	3291	39.2	39.9	40.7	40.6		2.1	2.3	3.0	3.2	
Asbestos products ..	3292	43.7	43.5	44.3	44.2		4.7	4.8	5.2	5.9	
Primary metal industries	33	42.1	42.1	42.6	42.8	42.8	4.2	4.2	4.5	4.6	
Blast furnaces and basic steel products ..	331	41.9	41.8	42.3	42.5	42.4	3.9	3.6	4.0	4.4	
Blast furnaces and steel mills ...	3312	41.7	41.5	42.3	42.5	-	3.9	3.5	4.1	4.4	
Steel pipe and tubes	3317	43.6	43.3	43.2	42.8		4.6	4.3	4.5	4.3	
Iron and steel foundries ..	332	41.4	41.4	42.7	42.9		4.0	4.0	4.7	4.8	
Gray iron foundries	3321	41.3	41.5	42.5	42.7		4.3	4.6	5.2	5.4	
Malleable iron foundries ..	3322	40.8	40.5	41.5	42.4		2.7	3.1	3.5	3.1	
Steel foundries, nec	3325	41.0	40.8	41.9	41.7		3.2	2.9	3.4	3.6	
Primary nonferrous metals ..	333	41.4	41.8	43.3	43.1		3.6	3.4	4.4	4.3	
Primary aluminum	3334	41.2	41.9	43.8	43.9		3.5	3.4	4.3	4.4	
Nonferrous rolling and drawing ..	335	42.9	43.2	43.4	43.5		5.5	5.5	5.3	5.3	
Copper rolling and drawing	3351	42.6	43.0	43.4	43.4		4.7	5.3	5.5	6.0	
Aluminum sheet, plate, and foil	3353	44.0	44.1	43.6	44.3		7.1	7.1	6.4	6.9	
Nonferrous wire drawing and insulating ..	3357	42.4	42.6	43.9	43.3		5.3	4.9	5.2	5.0	
Nonferrous foundries	336	41.8	42.0	41.9	41.7		3.7	3.8	3.8	3.7	
Aluminum foundries ..	3361	42.2	42.4	42.5	42.2		4.0	4.2	4.2	4.0	
Fabricated metal products	34	41.0	41.4	41.4	41.3	41.5	3.4	3.5	3.5	3.6	
Metal cans and shipping containers ..	341	42.1	43.4	42.7	42.8		5.5	5.0	5.2	5.3	
Metal cans	3411	42.3	43.6	42.7	42.7		5.7	5.1	5.2	5.3	
Cutlery, hand tools, and hardware	342	40.5	41.3	41.3	41.4		2.6	2.8	3.1	3.2	
Hand and edge tools, and hand saws and blades ..	3423,5	40.0	40.6	41.2	41.4		1.9	2.0	2.7	2.9	
Hardware, nec	3429	40.4	41.4	41.4	41.3		3.0	3.2	3.4	3.5	
Plumbing and heating, except electric ..	343	39.7	40.0	40.7	40.3		2.2	2.2	2.8	2.6	
Plumbing fittings and brass goods ..	3432	41.5	41.5	41.2	41.3		3.1	2.9	2.6	2.6	
Heating equipment, except electric ..	3433	37.7	38.3	39.5	38.6		1.0	1.1	2.1	1.9	
Fabricated structural metal products ..	344	40.0	40.3	40.5	40.1		2.7	2.8	2.9	2.7	
Fabricated structural metal	3441	40.7	41.0	41.6	41.3		3.2	3.1	3.3	2.8	
Metal doors, sash, and trim	3442	38.7	39.4	38.9	38.4		2.2	2.4	2.3	2.0	
Fabricated plate work (boiler shops) ..	3443	41.2	41.3	41.4	41.6		3.2	3.1	3.5	3.9	
Sheet metal work	3444	39.9	39.6	40.8	39.8		2.5	2.5	2.9	2.4	
Architectural metal work	3446	39.2	40.2	39.5	39.4		3.2	3.5	3.0	2.8	
Screw machine products, bolts, etc ..	345	42.8	43.0	42.6	42.8		4.8	4.8	4.6	4.7	
Screw machine products	3451	41.4	41.7	41.1	41.3		3.6	3.8	3.5	3.6	
Bolts, nuts, rivets, and washers ..	3452	44.1	44.3	44.1	44.2		6.0	5.8	5.7	5.8	
Metal forgings and stampings ..	346	43.2	43.1	43.0	43.1		4.8	4.9	4.8	5.1	
Iron and steel forgings	3462	42.4	42.2	41.5	42.1		3.7	3.6	3.2	3.7	
Automotive stampings ..	3465	44.9	44.9	44.3	44.8		6.2	6.3	5.9	6.4	
Metal stampings, nec ..	3469	41.4	41.2	41.8	41.3		3.5	3.6	3.9	3.9	
Metal services, nec	347	40.9	40.8	40.5	40.7		3.5	3.6	3.0	3.3	
Plating and polishing	3471	40.3	40.5	40.1	40.6		3.2	3.3	2.8	3.2	
Metal coating and allied services ..	3479	42.1	41.5	41.3	41.0		4.0	4.3	3.4	3.4	
Ordnance and accessories, nec ..	348	41.2	41.6	41.1	41.0		2.7	2.8	2.9	2.9	
Ammunition, except for small arms, nec ..	3483	40.0	40.4	40.8	40.1		2.5	2.1	2.7	2.3	
Misc. fabricated metal products ..	349	40.2	40.6	41.0	41.1		2.6	2.8	3.0	3.2	
Valves and pipe fittings	3494	39.9	40.1	40.7	41.0		2.7	2.9	2.7	3.0	
Misc. fabricated wire products ..	3496	40.2	40.8	40.9	40.9		2.3	2.8	3.0	3.3	
Machinery, except electrical ..	35	41.5	41.8	42.0	42.0	42.1	3.4	3.5	3.7	3.7	
Engines and turbines	351	41.7	42.5	42.8	42.6	-	4.3	4.6	5.9	5.9	
Turbines and turbine generator sets	3511	39.7	40.3	39.5	40.2		3.6	3.7	3.6	3.8	
Internal combustion engines, nec ..	3519	42.5	43.3	44.0	43.5		4.6	4.9	6.8	6.6	
Farm and garden machinery	352	41.4	41.6	41.8	42.2		3.2	3.1	3.1	3.5	
Farm machinery and equipment ..	3523	41.2	41.4	41.7	42.4		2.9	2.9	3.3	3.8	

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$11.23	\$11.30	\$11.73	\$11.61		\$466.05	\$474.60	\$514.95	\$491.10	
Pressed and blown glass, nec ..	3229	10.40	10.41	10.73	10.72		424.32	429.93	436.71	437.38	
Products of purchased glass ..	323	8.92	8.89	8.88	8.85		372.86	369.82	370.30	374.36	
Cement, hydraulic	324	13.42	13.29	13.66	13.54		566.32	550.21	579.18	567.33	
Structural clay products	325	8.13	8.15	8.41	8.43		335.77	338.23	349.86	350.69	
Pottery and related products	326	8.64	8.63	8.90	8.90		346.46	347.79	354.22	358.67	
Concrete, gypsum, and plaster products ..	327	9.52	9.53	9.76	9.77		374.14	395.50	406.02	412.29	
Concrete block and brick ..	3271	8.38	8.45	8.76	8.72		346.09	365.89	379.31	377.58	
Concrete products, nec ..	3272	8.53	8.54	8.70	8.68		347.17	362.95	374.97	372.37	
Ready-mixed concrete	3273	10.53	10.47	10.62	10.65		382.24	408.33	418.43	430.26	
Misc. nonmetallic mineral products	329	10.12	10.11	10.40	10.43		419.98	421.59	431.60	430.76	
Abrasive products ..	3291	9.56	9.64	9.64	9.71		374.75	384.64	392.35	394.23	
Asbestos products ..	3292	10.08	10.14	10.35	10.37		440.50	441.09	458.51	458.35	
Primary metal industries	33	11.96	11.99	11.86	11.89	\$11.91	503.52	504.78	505.24	508.89	\$509.75
Blast furnaces and basic steel products ..	331	13.84	13.80	13.67	13.70	13.69	578.64	576.84	578.24	582.25	580.46
Blast furnaces and steel mills ..	3312	14.58	14.52	14.37	14.39	-	604.65	602.58	607.85	611.58	-
Steel pipe and tubes	3317	10.92	10.75	10.98	10.92		476.11	465.48	474.34	467.38	
Iron and steel foundries ..	332	10.70	10.76	10.78	10.78		442.98	445.46	460.31	462.46	
Gray iron foundries	3321	11.20	11.26	11.26	11.25		462.56	467.29	478.55	480.38	
Malleable iron foundries ..	3322	11.13	11.35	11.35	11.57		454.10	459.68	471.03	490.57	
Steel foundries, nec	3325	9.81	9.85	10.09	10.11		402.21	401.88	422.77	421.59	
Primary nonferrous metals ..	333	13.82	13.93	13.10	12.96		572.15	582.27	567.23	558.58	
Primary aluminum	3334	14.30	14.47	13.52	13.42		589.16	606.29	592.18	589.14	
Nonferrous rolling and drawing ..	335	11.19	11.27	11.27	11.29		480.05	486.86	489.12	491.12	
Copper rolling and drawing ..	3351	10.15	10.32	10.46	10.51		432.39	443.76	453.96	456.13	
Aluminum sheet, plate, and foil	3353	14.07	14.28	13.79	13.85		619.08	629.75	601.24	613.56	
Nonferrous wire drawing and insulating ..	3357	10.80	10.76	11.11	11.14		457.92	458.38	487.73	482.36	
Nonferrous foundries ..	336	9.51	9.50	9.63	9.60		397.52	399.00	403.50	400.32	
Aluminum foundries ..	3361	9.81	9.80	9.91	9.88		413.98	415.52	421.18	416.94	
Fabricated metal products	34	9.85	9.88	9.98	9.98	9.99	403.85	409.03	413.17	412.17	414.59
Metal cans and shipping containers ..	341	13.19	13.39	13.34	13.26	-	555.30	581.13	569.62	567.53	
Metal cans	3411	13.95	14.18	14.15	14.07		590.09	618.25	604.21	600.79	
Cutlery, hand tools, and hardware	342	9.82	9.81	9.85	9.87		397.71	405.15	406.81	408.62	
Hand and edge tools, and hand saws and blades ..	3423.5	8.93	8.88	8.94	9.00		357.20	360.53	368.33	372.60	
Hardware, nec	3429	10.31	10.30	10.32	10.34		416.52	426.42	427.25	427.04	
Plumbing and heating, except electric ..	343	8.86	8.86	9.09	9.14		351.74	354.40	369.96	368.34	
Plumbing fittings and brass goods	3432	8.59	8.56	8.65	8.74		356.49	355.24	356.38	360.96	
Heating equipment, except electric ..	3433	8.62	8.69	9.08	9.10		324.97	332.83	358.66	351.26	
Fabricated structural metal products ..	344	9.08	9.11	9.19	9.15		363.20	367.13	372.20	366.92	
Fabricated structural metal	3441	9.38	9.43	9.61	9.56		381.77	386.63	399.78	394.83	
Metal doors, sash, and trim	3442	7.64	7.61	7.86	7.75		295.67	299.83	305.75	297.60	
Fabricated plate work (boiler shops) ..	3443	10.03	10.11	10.22	10.24		413.24	417.54	423.11	425.98	
Sheet metal work	3444	9.44	9.49	9.46	9.41		376.66	375.80	385.97	374.52	
Architectural metal work	3446	8.56	8.59	8.43	8.38		335.55	345.32	332.99	330.17	
Screw machine products, bolts, etc	345	9.35	9.35	9.60	9.66		400.18	402.05	408.96	413.45	
Screw machine products	3451	8.71	8.74	8.95	8.98		360.59	364.46	367.85	370.87	
Bolts, nuts, rivets, and washers ..	3452	9.94	9.93	10.20	10.29		438.35	439.90	449.82	454.82	
Metal forgings and stampings ..	346	11.85	11.90	12.02	12.00		511.92	512.89	516.86	517.20	
Iron and steel forgings	3462	12.35	12.45	12.42	12.47		523.64	525.39	515.43	524.99	
Automotive stampings ..	3465	13.79	13.88	14.05	13.99		619.17	623.21	622.42	626.75	
Metal stampings, nec ..	3469	8.95	8.95	9.25	9.18		370.53	368.74	386.65	379.13	
Metal services, nec	347	7.88	7.87	7.89	7.91		322.29	321.10	319.55	321.94	
Plating and polishing	3471	7.70	7.74	7.87	7.88		310.31	313.47	315.59	319.93	
Metal coating and allied services ..	3479	8.25	8.13	7.94	7.97		347.33	337.40	327.92	326.77	
Ordinance and accessories, nec	348	10.56	10.66	10.81	10.82		435.07	443.46	444.29	443.62	
Ammunition, except for small arms, nec ..	3483	10.13	10.19	10.50	10.36		405.20	411.68	428.40	415.44	
Misc. fabricated metal products ..	349	9.01	9.01	9.27	9.30		362.20	365.81	380.07	382.23	
Valves and pipe fittings	3494	9.77	9.80	9.80	9.90		389.82	392.98	398.86	405.90	
Misc. fabricated wire products ..	3496	8.07	8.06	8.40	8.34		324.41	328.85	343.56	341.11	
Machinery, except electrical ..	35	10.53	10.58	10.61	10.65	10.69	437.00	442.24	445.62	447.30	450.05
Engines and turbines	351	12.99	13.09	13.33	13.41	-	541.68	556.33	570.52	571.27	-
Turbines and turbine generator sets ..	3511	12.72	12.79	12.64	12.69		504.98	515.44	499.28	510.14	
Internal combustion engines, nec ..	3519	13.09	13.20	13.56	13.65		556.33	571.56	596.64	593.78	
Farm and garden machinery	352	9.98	10.02	8.97	9.62		413.17	416.83	374.95	405.96	
Farm machinery and equipment ..	3523	10.94	10.97	9.55	10.47		450.73	454.16	398.24	443.93	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-2. Average hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery ..	353	41.3	41.6	41.5	41.8		2.8	2.7	3.0	3.1	
Construction machinery ..	3531	42.6	42.9	42.5	43.0		2.7	2.4	2.6	2.5	
Mining machinery ..	3532	40.4	41.0	41.6	41.3		2.4	2.8	3.1	3.4	
Oil field machinery ..	3533	40.8	40.6	40.3	41.4		3.0	2.2	4.3	4.9	
Conveyors and conveying equipment ..	3535	41.9	42.0	41.5	42.3		3.8	4.0	3.2	3.7	
Industrial trucks and tractors ..	3537	39.5	39.7	40.8	39.7		2.8	2.9	2.5	2.1	
Metalworking machinery ..	354	42.5	42.7	42.6	42.4		4.8	4.9	4.6	4.5	
Machine tools, metal cutting types ..	3541	42.7	42.9	41.8	42.3		4.2	4.1	3.7	3.8	
Machine tools, metal forming types ..	3542	42.5	42.5	41.2	41.7		4.9	4.7	3.9	4.0	
Special dies, tools, jigs, and fixtures ..	3544	43.8	43.8	43.6	43.1		6.0	6.1	5.7	5.5	
Machine tool accessories ..	3545	40.5	41.0	41.2	41.2		3.4	3.7	3.4	3.3	
Power driven hand tools ..	3546	39.3	40.3	42.4	41.1		2.1	2.2	3.1	2.9	
Special industry machinery ..	355	41.4	41.8	42.2	41.7		3.3	3.7	3.9	3.5	
Food products machinery ..	3551	41.7	41.7	42.6	42.2		3.0	2.9	3.5	3.4	
Textile machinery ..	3552	41.2	41.8	43.6	43.3		2.8	3.6	4.5	4.6	
Printing trades machinery ..	3555	40.5	40.7	41.5	40.3		3.2	3.8	4.4	3.5	
General industrial machinery ..	356	41.4	41.7	42.0	41.7		3.2	3.1	3.4	3.3	
Pumps and pumping equipment ..	3561	41.0	41.9	42.4	42.1		2.7	2.6	3.1	3.1	
Ball and roller bearings ..	3562	43.0	42.9	43.1	42.6		4.9	4.6	4.7	4.5	
Air and gas compressors ..	3563	41.2	41.5	41.5	41.4		2.7	2.6	2.9	2.9	
Blowers and fans ..	3564	40.5	41.1	41.1	40.4		2.2	2.3	3.1	2.1	
Speed changers, drives, and gears ..	3566	42.3	42.2	43.5	43.8		3.5	3.3	4.3	4.0	
Power transmission equipment, nec ..	3568	40.8	41.3	41.4	41.7		3.5	3.9	3.6	3.8	
Office and computing machines ..	357	41.9	42.3	42.5	42.9		2.5	2.8	2.7	3.1	
Electronic computing equipment ..	3573	41.7	42.1	42.8	42.8		2.4	2.6	2.8	3.0	
Refrigeration and service machinery ..	358	40.0	41.0	41.1	41.5		2.5	2.7	3.0	3.4	
Refrigeration and heating equipment ..	3585	40.3	41.4	41.6	41.8		2.8	3.1	3.3	3.5	
Misc. machinery, except electrical ..	359	40.9	41.2	41.5	41.7		3.7	3.8	3.7	3.9	
Carburetors, pistons, rings, and valves ..	3592	41.6	42.2	42.5	42.3		4.4	4.6	3.6	4.2	
Machinery, except electrical, nec ..	3599	40.8	41.1	41.4	41.6		3.6	3.6	3.7	3.9	
Electrical and electronic equipment ..	36	40.6	41.1	41.1	41.0	40.9	2.7	2.8	2.8	2.8	
Electric distributing equipment ..	361	41.1	41.3	40.7	40.1		2.7	2.7	2.3	2.2	
Transformers ..	3612	43.0	42.8	41.5	40.7		3.0	2.9	2.4	2.1	
Switchgear and switchboard apparatus ..	3613	39.5	40.0	39.9	39.6		2.4	2.4	2.3	2.4	
Electrical industrial apparatus ..	362	40.4	41.0	40.7	40.9		2.5	2.9	2.8	3.0	
Motors and generators ..	3621	40.7	41.5	41.0	41.3		2.8	3.3	3.4	3.7	
Industrial controls ..	3622	39.4	39.9	39.1	39.1		1.8	2.4	1.1	1.3	
Household appliances ..	363	39.7	40.1	40.8	40.1		2.6	2.5	3.0	2.7	
Household refrigerators and freezers ..	3632	39.7	40.3	40.7	40.3		3.2	3.6	3.6	2.7	
Household laundry equipment ..	3633	40.6	40.2	41.9	42.4		2.2	1.6	1.8	3.4	
Electric housewares and fans ..	3634	38.8	39.7	39.9	40.3		1.7	1.6	2.5	2.6	
Electric lighting and wiring equipment ..	364	40.1	40.4	40.3	40.3		2.6	2.7	2.7	2.7	
Electric lamps ..	3641	40.4	39.6	39.6	39.3		2.7	2.7	2.7	2.8	
Current-carrying wiring devices ..	3643	40.7	40.8	40.3	40.6		2.4	2.5	2.5	2.7	
Noncurrent-carrying wiring devices ..	3644	39.8	40.2	41.1	42.1		1.8	2.2	2.8	2.8	
Residential lighting fixtures ..	3645	37.9	39.3	39.6	38.7		1.5	1.8	1.8	1.6	
Radio and TV receiving equipment ..	365	40.1	41.7	41.2	40.5		3.2	3.8	2.2	2.1	
Radio and TV receiving sets ..	3651	39.9	41.8	41.5	41.0		3.1	3.6	1.9	2.0	
Communication equipment ..	366	41.2	41.6	41.9	41.8		2.6	2.6	2.5	2.7	
Telephone and telegraph apparatus ..	3661	40.7	41.3	41.7	41.6		1.9	1.8	2.2	2.2	
Radio and TV communication equipment ..	3662	41.4	41.7	42.0	41.9		2.8	2.9	2.6	2.8	
Electronic components and accessories ..	367	40.9	41.2	41.1	40.9		2.9	3.0	3.2	3.0	
Electronic tubes ..	3671-3	43.5	44.1	44.7	43.9		3.1	3.3	4.1	3.4	
Semiconductors and related devices ..	3674	40.5	40.7	41.1	40.6		2.9	3.2	3.4	3.3	
Electronic components, nec ..	3679	41.0	41.4	40.9	41.1		2.9	3.0	3.1	3.1	
Misc. electrical equipment and supplies ..	369	40.3	40.6	41.5	41.5		2.9	3.0	3.5	3.6	
Storage batteries ..	3691	39.8	39.8	40.6	41.1		2.0	1.7	2.5	2.2	
Engine electrical equipment ..	3694	41.5	41.8	42.5	42.3		4.1	4.3	4.6	4.6	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$11.13	\$11.15	\$10.97	\$11.17		\$459.67	\$463.84	\$455.26	\$466.91	
Construction machinery	3531	12.25	12.26	12.03	12.41		521.85	525.95	511.28	533.63	
Mining machinery	3532	11.38	11.43	11.31	11.48		459.75	468.63	470.50	474.12	
Oil field machinery	3533	11.21	11.24	11.27	11.32		457.37	456.34	454.18	468.65	
Conveyors and conveying equipment	3535	10.10	10.25	9.92	9.86		423.19	430.50	411.68	417.08	
Industrial trucks and tractors	3537	9.72	9.70	9.81	9.73		383.94	385.09	400.25	386.28	
Metalworking machinery	354	10.96	10.97	11.08	11.10		465.80	468.42	472.01	470.64	
Machine tools, metal cutting types	3541	10.89	10.91	11.13	11.08		465.00	468.04	465.23	468.68	
Machine tools, metal forming types	3542	11.50	11.48	11.36	11.28		488.75	487.90	468.03	470.38	
Special dies, tools, jigs, and fixtures	3544	11.67	11.67	11.76	11.79		511.15	511.15	512.74	508.15	
Machine tool accessories	3545	9.84	9.86	9.97	10.00		398.52	404.26	410.76	412.00	
Power driven hand tools	3546	8.52	8.56	8.54	8.67		334.84	344.97	362.10	356.34	
Special industry machinery	355	10.38	10.44	10.53	10.47		429.73	436.39	444.37	436.60	
Food products machinery	3551	10.61	10.61	10.71	10.60		442.44	442.44	456.25	447.32	
Textile machinery	3552	8.21	8.31	8.62	8.63		338.25	347.36	375.83	373.68	
Printing trades machinery	3555	10.83	10.98	11.22	11.18		438.62	446.89	465.63	450.55	
General industrial machinery	356	10.25	10.26	10.32	10.36		424.35	427.84	433.44	432.01	
Pumps and pumping equipment	3561	10.89	10.86	11.03	11.03		446.49	455.03	467.67	464.36	
Ball and roller bearings	3562	10.78	10.79	10.80	10.80		463.54	462.89	465.48	460.08	
Air and gas compressors	3563	10.06	9.97	10.40	10.51		414.47	413.76	431.60	435.11	
Blowers and fans	3564	9.00	9.11	9.28	9.20		364.50	374.42	381.41	371.68	
Speed changers, drives, and gears	3566	10.61	10.60	10.20	10.20		448.80	447.32	443.70	446.76	
Power transmission equipment, nec	3568	10.26	10.31	10.48	10.59		418.61	425.80	433.87	441.60	
Office and computing machines	357	9.78	9.91	10.11	10.06		409.78	419.19	429.68	431.57	
Electronic computing equipment	3573	9.76	9.89	10.07	10.05		406.99	416.37	431.00	430.14	
Refrigeration and service machinery	358	10.23	10.29	10.43	10.43		409.20	421.89	428.67	432.85	
Refrigeration and heating equipment	3585	10.55	10.61	10.66	10.66		425.17	439.25	443.46	445.59	
Misc. machinery, except electrical	359	10.18	10.21	10.29	10.27		416.36	420.65	427.04	428.26	
Carburetors, pistons, rings, and valves	3592	12.83	12.83	12.51	12.59		533.73	541.43	531.68	532.56	
Machinery, except electrical, nec	3599	9.76	9.79	9.94	9.91		398.21	402.37	411.52	412.26	
Electrical and electronic equipment	36	9.60	9.62	9.86	9.85	\$9.86	389.76	395.38	405.25	403.85	\$403.27
Electric distributing equipment	361	8.89	8.92	9.14	9.16	-	365.38	368.40	372.00	367.32	-
Transformers	3612	8.78	8.80	9.06	9.06		377.54	376.64	375.99	368.74	
Switchgear and switchboard apparatus	3613	8.99	9.02	9.23	9.25		355.11	360.80	368.28	366.30	
Electrical industrial apparatus	362	9.64	9.69	9.64	9.62		389.46	397.29	392.35	393.46	
Motors and generators	3621	9.56	9.64	9.66	9.63		389.09	400.06	396.06	397.72	
Industrial controls	3622	9.36	9.42	9.29	9.25		368.78	375.86	363.24	361.68	
Household appliances	363	9.49	9.53	9.71	9.68		376.75	382.15	396.17	388.17	
Household refrigerators and freezers	3632	10.65	10.83	11.11	10.98		422.81	436.45	452.18	442.49	
Household laundry equipment	3633	11.09	11.13	11.51	11.57		450.25	447.43	482.27	490.57	
Electric housewares and fans	3634	7.23	7.24	7.31	7.31		280.52	287.43	291.67	294.59	
Electric lighting and wiring equipment	364	8.76	8.79	9.03	9.08		351.28	355.12	363.91	365.92	
Electric lamps	3641	9.84	9.84	10.08	10.07		397.54	389.66	399.17	395.75	
Current-carrying wiring devices	3643	8.26	8.28	8.51	8.61		336.18	337.82	342.95	349.57	
Noncurrent-carrying wiring devices	3644	9.10	9.15	9.35	9.41		362.18	367.83	384.29	396.16	
Residential lighting fixtures	3645	6.46	6.48	6.63	6.67		244.83	254.66	262.55	258.13	
Radio and TV receiving equipment	365	9.53	9.63	9.51	9.54		382.15	401.57	391.81	386.37	
Radio and TV receiving sets	3651	9.99	10.05	9.86	9.93		398.60	420.09	409.19	407.13	
Communication equipment	366	11.29	11.27	11.61	11.65		465.15	468.83	486.46	486.97	
Telephone and telegraph apparatus	3661	10.82	10.89	11.10	11.10		440.37	449.76	462.87	461.76	
Radio and TV communication equipment	3662	11.46	11.40	11.78	11.84		474.44	475.38	494.76	496.10	
Electronic components and accessories	367	8.52	8.57	8.93	8.90		348.47	353.08	367.02	364.01	
Electronic tubes	3671-3	10.80	10.76	10.81	10.74		469.80	474.52	483.21	471.49	
Semiconductors and related devices	3674	9.78	10.01	10.62	10.64		396.09	407.41	436.48	431.98	
Electronic components, nec	3679	7.90	7.87	8.14	8.10		323.90	325.82	332.93	332.91	
Misc. electrical equipment and supplies	369	10.45	10.48	10.57	10.47		421.14	425.49	438.66	434.51	
Storage batteries	3691	10.87	10.74	10.80	10.88		432.63	427.45	438.48	447.17	
Engine electrical equipment	3694	11.11	11.25	11.30	11.04		461.07	470.25	480.25	466.99	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Durable goods—Continued											
Transportation equipment	37	42.4	42.8	42.5	42.5	42.8	4.6	4.6	4.4	4.4	
Motor vehicles and equipment	371	42.9	43.4	43.2	43.0	43.3	5.1	5.0	4.8	4.7	
Motor vehicles and car bodies	3711	42.4	43.6	43.1	42.7	-	5.1	5.2	4.8	4.7	
Truck and bus bodies	3713	40.3	40.8	42.3	42.4		3.5	3.4	4.7	4.8	
Motor vehicle parts and accessories	3714	44.0	43.8	43.7	43.6		5.6	5.3	5.0	5.0	
Truck trailers	3715	39.2	39.6	40.5	40.2		1.9	2.0	2.2	1.7	
Aircraft and parts ..	372	42.7	43.0	42.3	43.0		4.4	4.8	4.5	4.9	
Aircraft	3721	41.8	42.2	41.8	42.6		3.5	4.1	3.9	4.4	
Aircraft engines and engine parts ..	3724	42.6	42.6	43.0	43.4		5.0	4.9	5.1	5.4	
Aircraft equipment, nec	3728	44.1	44.5	42.4	43.2		5.4	5.6	5.1	5.3	
Ship and boat building and repairing ..	373	39.6	40.3	40.3	40.0		3.1	3.1	3.0	2.6	
Ship building and repairing	3731	39.7	40.5	40.2	39.8		3.3	3.4	2.9	2.4	
Boat building and repairing ..	3732	39.4	39.7	40.7	40.3		2.3	2.4	3.3	3.0	
Railroad equipment	374	40.6	40.2	40.7	40.3		2.4	2.0	1.7	1.8	
Guided missiles, space vehicles, and parts ..	376	42.1	42.5	42.6	42.5		4.8	4.2	4.0	4.1	
Guided missiles and space vehicles	3761	43.0	43.0	43.1	42.4		5.4	4.6	4.1	4.2	
Miscellaneous transportation equipment ..	379	40.9	41.0	41.3	40.6		2.8	3.4	4.7	3.7	
Travel trailers and campers ..	3792	37.7	38.4	40.6	38.4		1.8	2.3	3.9	1.8	
Instruments and related products	38	41.0	41.4	41.2	41.2	41.4	2.6	2.8	2.8	2.8	
Engineering and scientific instruments ..	381	42.4	42.6	42.1	41.6		3.4	3.5	3.2	3.1	
Measuring and controlling devices ..	382	40.8	41.4	40.9	41.1		2.1	2.5	2.5	2.5	
Environmental controls	3822	39.7	40.6	40.8	40.8		2.0	2.6	3.3	3.3	
Process control instruments	3823	40.7	41.7	41.3	42.3		2.6	3.1	2.3	2.8	
Instruments to measure electricity ..	3825	41.2	41.7	40.3	40.1		1.9	2.3	2.1	2.1	
Optical instruments and lenses	383	41.3	41.9	41.1	42.1		3.3	3.2	2.7	3.7	
Medical instruments and supplies	384	40.7	41.3	40.6	40.3		2.8	3.0	2.8	2.8	
Surgical and medical instruments ..	3841	40.9	41.6	41.1	41.0		2.8	3.1	3.0	3.0	
Surgical appliances and supplies	3842	40.5	41.1	40.2	39.7		2.8	3.0	2.6	2.5	
Ophthalmic goods	385	39.1	39.3	40.5	40.1		2.0	2.0	2.6	2.7	
Photographic equipment and supplies ..	386	42.2	42.1	43.8	43.7		3.0	3.1	3.9	3.6	
Watches, clocks, and watchcases ..	387	38.6	39.7	38.4	38.4		1.3	1.9	.8	.9	
Miscellaneous manufacturing	39	39.3	39.9	39.5	39.2	39.5	2.3	2.4	2.4	2.4	
Jewelry, silverware, and plated ware ..	391	37.7	38.6	38.8	37.8	-	1.8	2.0	2.3	1.5	
Jewelry, precious metal	3911	36.6	37.6	37.0	36.2		1.3	1.6	1.5	1.1	
Musical instruments	393	38.9	40.3	41.4	41.4		1.9	2.9	2.8	3.5	
Toys and sporting goods	394	39.5	40.3	39.8	39.3		2.2	2.5	2.2	2.2	
Dolls, games, toys, and children's vehicles ..	3942,4	38.9	39.3	38.9	38.8		2.1	2.0	2.0	2.0	
Sporting and athletic goods, nec	3949	40.0	41.1	40.4	39.6		2.3	2.8	2.3	2.4	
Pens, pencils, office, and art supplies ..	395	39.4	39.9	39.8	40.0		1.9	1.7	1.5	1.7	
Costume jewelry and notions	396	39.4	40.2	37.6	37.6		2.3	2.6	3.2	3.3	
Costume jewelry	3961	39.1	40.0	36.8	36.7		1.9	2.3	3.7	3.9	
Miscellaneous manufactures	399	39.7	39.9	39.9	39.9		2.6	2.5	2.4	2.5	
Signs and advertising displays	3993	39.9	40.3	39.8	39.6		2.5	2.6	2.4	2.3	
Nondurable goods		39.2	39.7	40.0	39.9	40.0	3.0	3.1	3.4	3.3	3.4
Food and kindred products	20	39.0	39.4	39.8	39.3	39.5	3.3	3.3	3.6	3.4	-
Meat products	201	37.6	38.2	39.8	37.7	-	2.7	2.7	3.8	2.7	
Meat packing plants	2011	38.9	39.4	43.3	39.3		2.7	2.9	5.7	3.2	
Sausages and other prepared meats	2013	38.7	39.7	39.4	39.0		2.8	3.1	3.1	2.7	
Poultry dressing plants	2016	35.8	36.8	37.1	35.9		2.6	2.5	2.7	2.5	
Dairy products	202	40.9	41.1	40.5	41.0		3.9	4.0	3.7	4.2	
Cheese, natural and processed ..	2022	38.9	39.3	38.7	38.8		3.4	3.4	3.2	3.7	
Fluid milk	2026	42.0	42.1	41.6	42.4		4.6	4.6	4.3	4.7	
Preserved fruits and vegetables	203	38.2	38.7	39.0	38.8		2.7	2.6	3.1	3.0	
Canned specialties	2032	37.7	37.8	42.2	39.1		4.4	3.5	6.0	3.6	
Canned fruits and vegetables ..	2033	38.4	38.9	38.5	39.0		2.6	2.8	2.4	2.8	
Frozen fruits and vegetables ..	2037	36.3	37.4	38.1	37.7		2.1	2.0	3.4	3.1	
Grain mill products	204	42.8	42.9	44.1	43.3		5.2	5.0	5.6	5.5	
Flour and other grain mill products	2041	43.8	43.5	46.8	47.6		4.6	3.9	6.0	6.7	
Prepared feeds, nec ..	2048	42.3	42.5	43.3	42.1		4.8	5.1	5.9	5.1	
Bakery products	205	39.0	39.4	38.5	39.3		3.3	3.3	3.1	3.4	
Bread, cake, and related products ..	2051	38.4	38.7	37.6	38.4		3.3	3.4	3.1	3.5	
Cookies and crackers	2052	40.7	41.2	40.8	41.6		3.1	2.8	3.3	3.2	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a
Durable goods—Continued											
Transportation equipment	37	\$12.87	\$12.90	\$12.98	\$12.95	\$12.95	\$545.69	\$552.12	\$551.65	\$550.38	\$554.26
Motor vehicles and equipment	371	13.59	13.66	13.67	13.60	13.61	583.01	592.84	590.54	584.80	589.31
Motor vehicles and car bodies	3711	14.97	15.11	15.27	15.15	-	634.73	658.80	658.14	646.91	-
Truck and bus bodies	3713	10.84	10.88	11.69	11.67	-	436.85	443.90	494.49	494.81	-
Motor vehicle parts and accessories	3714	13.03	13.03	12.92	12.86	-	573.32	570.71	564.60	560.70	-
Truck trailers	3715	9.45	9.53	9.45	9.35	-	370.44	377.39	382.73	375.87	-
Aircraft and parts ..	372	12.79	12.82	12.97	13.05	-	546.13	551.26	548.63	561.15	-
Aircraft	3721	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$12.91	\$12.93	\$13.17	\$13.14	-	549.97	550.82	566.31	570.28	-
Aircraft equipment, nec	3728	11.75	11.81	11.79	11.95	-	518.18	525.55	499.90	516.24	-
Ship and boat building and repairing ..	373	10.59	10.55	10.60	10.49	-	419.36	425.17	427.18	419.60	-
Ship building and repairing	3731	11.52	11.48	11.63	11.57	-	457.34	464.94	467.53	460.49	-
Boat building and repairing ..	3732	8.07	8.10	8.16	8.02	-	317.96	321.57	332.11	323.21	-
Railroad equipment	374	12.81	12.64	12.40	12.40	-	520.09	508.13	504.68	499.72	-
Guided missiles, space vehicles, and parts	376	12.22	12.10	12.40	12.37	-	514.46	514.25	528.24	525.73	-
Guided missiles and space vehicles	3761	12.47	12.41	12.70	12.69	-	536.21	533.63	547.37	538.06	-
Miscellaneous transportation equipment	379	10.35	10.28	10.85	10.73	-	423.32	421.48	448.11	435.64	-
Travel trailers and campers	3792	8.87	8.72	9.43	9.28	-	334.40	334.85	382.86	356.35	-
Instruments and related products	38	9.39	9.41	9.62	9.65	9.60	384.99	389.57	396.34	397.58	397.44
Engineering and scientific instruments ..	381	10.07	10.13	10.47	10.58	-	426.97	431.54	440.79	440.13	-
Measuring and controlling devices	382	9.11	9.18	9.49	9.47	-	371.69	380.05	388.14	389.22	-
Environmental controls	3822	8.69	8.76	8.82	8.76	-	344.99	355.66	359.86	357.41	-
Process control instruments	3823	9.32	9.48	9.50	9.51	-	379.32	395.32	392.35	402.27	-
Instruments to measure electricity	3825	9.29	9.25	9.71	9.64	-	382.75	385.73	391.31	386.56	-
Optical instruments and lenses	383	10.41	10.35	10.66	10.79	-	429.93	433.67	438.13	454.26	-
Medical instruments and supplies	384	8.40	8.40	8.61	8.62	-	341.88	346.92	349.57	347.39	-
Surgical and medical instruments	3841	8.54	8.55	8.76	8.67	-	349.29	355.68	360.04	355.47	-
Surgical appliances and supplies	3842	8.30	8.28	8.46	8.58	-	336.15	340.31	340.09	340.63	-
Ophthalmic goods	385	7.13	7.24	7.33	7.18	-	278.78	284.53	296.87	287.92	-
Photographic equipment and supplies	386	12.50	12.44	12.78	12.95	-	527.50	523.72	559.76	565.92	-
Watches, clocks, and watchcases	387	6.97	6.95	7.13	7.15	-	269.04	275.92	273.79	274.56	-
Miscellaneous manufacturing	39	7.50	7.51	7.70	7.69	7.67	294.75	299.65	304.15	301.45	302.97
Jewelry, silverware, and plated ware	391	8.05	8.09	8.14	8.22	-	303.49	312.27	315.83	310.72	-
Jewelry, precious metal	3911	8.06	8.11	8.23	8.35	-	295.00	304.94	304.51	302.27	-
Musical instruments	393	7.14	7.16	7.30	7.40	-	277.75	288.55	302.22	306.36	-
Toys and sporting goods	394	6.79	6.90	7.07	7.04	-	268.21	278.07	281.39	276.67	-
Dolls, games, toys, and children's vehicles	3942,4	6.79	6.90	7.10	7.02	-	264.13	271.17	276.19	272.38	-
Sporting and athletic goods, nec	3949	6.79	6.89	7.06	7.06	-	271.60	283.18	285.22	279.58	-
Pens, pencils, office, and art supplies	395	7.67	7.74	7.82	7.81	-	302.20	308.83	311.24	312.40	-
Costume jewelry and notions	396	6.10	6.07	6.28	6.25	-	240.34	244.01	236.13	235.00	-
Costume jewelry	3961	5.58	5.50	5.58	5.60	-	218.18	220.00	205.34	205.52	-
Miscellaneous manufactures	399	8.24	8.19	8.49	8.49	-	327.13	326.78	338.75	338.75	-
Signs and advertising displays	3993	8.64	8.53	8.88	8.89	-	344.74	343.76	353.42	352.04	-
Nondurable goods											
Food and kindred products	20	8.86	8.88	9.06	9.06	9.09	347.31	352.54	362.40	361.49	363.60
Meat products	201	8.71	8.74	8.89	8.91	8.94	339.69	344.36	353.82	350.16	353.13
Meat packing plants	2011	7.21	7.26	7.40	7.35	-	271.10	277.33	294.52	277.10	-
Sausages and other prepared meats	2013	8.07	8.13	8.43	8.36	-	313.92	320.32	365.02	328.55	-
Poultry dressing plants	2016	8.69	8.80	8.59	8.60	-	336.30	349.36	338.45	335.40	-
Dairy products	202	5.85	5.89	6.06	6.06	-	209.43	216.75	224.83	217.55	-
Cheese, natural and processed	2022	9.41	9.40	9.52	9.58	-	384.87	386.34	385.56	392.78	-
Fluid milk	2026	8.69	8.76	8.83	8.90	-	338.04	344.27	341.72	345.32	-
Preserved fruits and vegetables	203	9.83	9.78	9.84	9.90	-	412.86	411.74	409.34	419.76	-
Canned specialties	2032	8.08	8.11	8.46	8.41	-	308.66	313.86	329.94	326.31	-
Canned fruits and vegetables	2033	9.84	9.90	10.76	10.93	-	370.97	374.22	454.07	427.36	-
Frozen fruits and vegetables	2037	8.09	8.13	8.36	8.26	-	310.66	316.26	321.86	322.14	-
Grain mill products	204	7.46	7.54	7.64	7.68	-	270.80	282.00	291.08	289.54	-
Flour and other grain mill products	2041	10.54	10.56	10.74	10.76	-	451.11	453.02	473.63	465.91	-
Prepared feeds, nec	2048	10.03	10.00	10.53	10.54	-	439.31	435.00	492.80	501.70	-
Bakery products	205	7.94	8.03	8.29	8.25	-	335.86	341.28	358.96	347.33	-
Bread, cake, and related products	2051	9.74	9.78	9.95	9.94	-	379.86	385.33	383.08	390.64	-
Cookies and crackers	2052	9.68	9.71	9.88	9.86	-	371.71	375.78	371.49	378.62	-
		9.88	9.94	10.09	10.11	-	402.12	409.53	411.67	420.58	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	39.3	39.6	40.8	40.4		3.2	2.5	3.4	3.3	
Cane and beet sugar	2061-3	44.3	41.3	43.2	41.8		6.7	4.2	6.1	5.8	
Confectionery products ..	2065	37.4	38.8	39.4	39.5		1.9	1.9	2.1	2.3	
Fats and oils	207	43.0	43.1	42.7	41.5		5.2	5.0	4.9	4.6	
Beverages	208	39.8	40.6	39.8	39.8		3.6	3.6	3.1	3.0	
Malt beverages	2082	41.4	42.7	42.9	42.6		5.7	5.4	4.7	4.3	
Bottled and canned soft drinks ..	2086	39.0	39.6	39.1	39.2		3.0	3.3	2.5	2.5	
Misc. food and kindred products ..	209	37.7	38.1	37.5	38.6		3.5	3.6	3.2	3.6	
Tobacco manufactures ..	21	36.6	37.5	37.4	36.5	39.2	.9	1.3	.8	.8	
Cigarettes ..	211	36.1	37.3	37.3	36.9	-	.7	1.2	.8	.8	
Textile mill products	22	40.2	40.6	41.6	41.8	41.9	3.5	3.7	4.3	4.4	
Weaving mills, cotton	221	40.6	40.5	42.7	42.8	-	4.2	4.3	5.5	5.8	
Weaving mills, synthetics	222	39.5	40.0	41.8	42.0		3.0	3.1	4.3	4.5	
Weaving and finishing mills, wool	223	41.3	41.7	43.6	42.8		3.4	4.0	4.9	3.9	
Narrow fabric mills	224	40.4	41.2	40.7	40.9		2.7	3.0	3.1	3.5	
Knitting mills	225	38.6	39.4	39.5	39.9		2.6	3.0	3.2	3.3	
Women's hosiery, except socks	2251	38.0	39.1	39.3	39.7		2.5	3.1	3.2	3.0	
Hosiery, nec	2252	37.3	38.5	37.3	39.0		2.2	2.5	2.2	2.7	
Knit outerwear mills	2253	38.0	38.1	38.6	38.3		2.3	2.5	2.9	2.9	
Knit underwear mills	2254	37.1	38.7	39.5	40.3		1.4	2.1	2.5	3.1	
Circular knit fabric mills	2257	41.4	42.3	43.2	43.3		4.8	5.2	5.3	5.2	
Textile finishing, except wool	226	40.6	41.9	41.8	42.1		4.1	4.7	4.2	4.2	
Finishing plants, cotton	2261	41.3	42.8	41.3	41.5		4.3	5.2	4.2	4.0	
Finishing plants, synthetics	2262	40.3	40.5	41.4	42.2		4.1	4.2	4.1	4.5	
Floor covering mills	227	39.9	40.9	43.2	43.6		3.9	3.5	4.5	4.8	
Yarn and thread mills	228	41.5	41.5	42.5	42.5		4.2	4.3	5.0	5.0	
Yarn mills, except wool	2281	42.1	42.2	43.8	43.6		4.7	4.7	5.7	5.5	
Throwing and winding mills	2282	39.1	38.0	37.5	37.6		3.3	3.0	3.2	3.3	
Miscellaneous textile goods ..	229	43.3	42.9	44.0	43.9		4.3	4.3	4.8	5.0	
Apparel and other textile products	23	35.8	36.5	36.8	37.1	37.0	1.4	1.5	1.7	1.8	
Men's and boys' suits and coats	231	34.1	35.2	35.9	35.8	-	.9	.9	1.1	1.0	
Men's and boys' furnishings	232	36.1	37.2	37.1	37.2		1.2	1.3	1.4	1.5	
Men's and boys' shirts and nightwear	2321	36.4	37.7	37.2	37.7		1.5	1.6	1.5	1.8	
Men's and boys' separate trousers	2327	35.7	36.0	36.9	36.6		1.1	.8	1.2	1.2	
Men's and boys' work clothing	2328	34.6	36.2	36.7	37.1		1.0	1.1	1.4	1.4	
Women's and misses' outerwear	233	34.5	35.1	35.9	36.2		1.4	1.5	1.7	1.9	
Women's and misses' blouses and waists	2331	34.4	34.3	35.8	36.1		1.2	1.3	1.1	1.6	
Women's and misses' dresses	2335	34.0	34.7	35.1	35.4		1.0	1.3	1.6	1.5	
Women's and misses' suits and coats	2337	33.8	34.2	34.4	34.5		1.1	1.1	1.0	1.4	
Women's and misses' outerwear, nec	2339	34.9	35.7	36.6	37.1		1.8	1.9	2.1	2.3	
Women's and children's undergarments	234	36.4	36.8	36.2	36.7		1.3	1.1	1.0	1.1	
Women's and children's underwear	2341	36.9	37.1	36.6	37.1		1.3	1.0	1.1	1.2	
Brassieres and allied garments	2342	34.4	35.7	34.3	34.9		1.1	1.6	.6	.7	
Children's outerwear	236	37.0	36.4	37.1	36.7		1.8	1.5	1.6	1.4	
Children's dresses and blouses	2361	35.7	35.0	37.0	36.4		1.5	1.4	1.7	1.5	
Misc. apparel and accessories	238	35.6	37.1	37.1	38.3		.8	1.0	1.4	1.9	
Misc. fabricated textile products	239	38.2	38.9	38.8	39.4		2.2	2.5	3.0	3.1	
Curtains and draperies	2391	36.2	36.5	37.9	38.1		.6	.9	1.1	1.6	
House furnishings, nec	2392	37.0	37.5	37.8	38.6		1.8	1.9	2.1	2.4	
Automotive and apparel trimmings	2396	40.7	41.7	41.3	42.2		4.3	4.9	6.2	6.5	
Paper and allied products	26	43.0	43.3	43.5	43.1	43.1	4.6	4.6	4.9	4.7	
Paper and pulp mills	261,2,6	45.0	45.2	45.2	45.2	-	6.3	6.3	6.2	6.2	
Paper mills, except building paper	262	45.0	45.2	45.3	45.3		6.4	6.4	6.4	6.4	
Paperboard mills	263	44.4	44.8	44.3	43.9		6.7	6.6	7.2	7.0	
Misc. converted paper products	264	41.9	42.1	42.6	42.3		3.3	3.3	3.8	3.6	
Paper coating and glazing	2641	43.2	43.4	45.0	44.3		3.4	3.3	4.3	3.9	
Envelopes	2642	42.3	42.4	41.6	41.6		3.3	3.2	3.3	3.0	
Bags, except textile bags	2643	41.8	41.3	43.0	42.1		3.6	3.5	4.2	3.9	
Paperboard containers and boxes	265	42.1	42.5	42.6	41.9		3.7	4.0	4.2	3.9	
Folding paperboard boxes	2651	41.8	43.2	42.6	41.6		3.5	4.4	4.1	3.8	
Corrugated and solid fiber boxes	2653	42.7	43.0	43.3	42.5		4.0	4.1	4.6	4.2	
Sanitary food containers	2654	42.2	41.8	42.2	41.6		4.1	3.9	4.1	4.1	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$8.75	\$8.92	\$8.79	\$8.94		\$343.88	\$353.23	\$358.63	\$361.18	
Cane and beet sugar	2061-3	10.01	10.87	10.01	10.46		443.44	448.93	432.43	437.23	
Confectionery products ..	2065	7.57	7.73	7.53	7.61		283.12	299.92	296.68	300.60	
Fats and oils	207	8.67	8.74	8.87	8.93		372.81	376.69	378.75	370.60	
Beverages	208	11.72	11.61	11.87	11.84		466.46	471.37	472.43	471.23	
Malt beverages	2082	16.32	15.86	16.45	16.17		675.65	677.22	705.71	688.84	
Bottled and canned soft drinks ..	2086	8.92	8.99	9.22	9.25		347.88	356.00	360.50	362.60	
Misc. food and kindred products ..	209	7.95	8.01	8.27	8.26		299.72	305.18	310.13	318.84	
Tobacco manufactures ..	21	12.38	12.76	12.89	13.35	\$13.76	453.11	478.50	482.09	487.28	\$539.39
Cigarettes ..	211	15.17	15.29	15.76	16.02	-	547.64	570.32	587.85	591.14	-
Textile mill products	22	6.83	6.86	7.13	7.13	7.16	274.57	278.52	296.61	298.03	300.00
Weaving mills, cotton	221	7.08	7.10	7.38	7.43		287.45	287.55	315.13	318.00	-
Weaving mills, synthetics	222	7.27	7.30	7.63	7.67		287.17	292.00	318.93	322.14	
Weaving and finishing mills, wool ..	223	7.23	7.27	7.66	7.61		298.60	303.16	333.98	325.71	
Narrow fabric mills	224	6.51	6.52	6.68	6.73		263.00	268.62	271.88	275.26	
Knitting mills	225	6.28	6.34	6.51	6.50		242.41	249.80	257.15	259.35	
Women's hosiery, except socks ..	2251	6.23	6.32	6.35	6.31		236.74	247.11	249.56	250.51	
Hosiery, nec	2252	6.02	6.02	6.11	6.13		224.55	231.77	227.90	239.07	
Knit outerwear mills ..	2253	6.12	6.24	6.51	6.48		232.56	237.74	251.29	248.18	
Knit underwear mills	2254	5.86	5.89	6.18	6.18		217.41	227.94	244.11	249.05	
Circular knit fabric mills	2257	6.94	6.91	7.14	7.12		287.32	292.29	308.45	308.30	
Textile finishing, except wool ..	226	7.21	7.21	7.34	7.35		292.73	302.10	306.81	309.44	
Finishing plants, cotton	2261	7.15	7.21	7.40	7.39		295.30	308.59	305.62	306.69	
Finishing plants, synthetics ..	2262	7.70	7.65	7.69	7.68		310.31	309.83	318.37	324.10	
Floor covering mills	227	7.10	7.04	7.60	7.59		283.29	287.94	328.32	330.92	
Yarn and thread mills	228	6.42	6.44	6.69	6.68		266.43	267.26	284.33	283.90	
Yarn mills, except wool	2281	6.43	6.43	6.72	6.69		270.70	271.35	294.34	291.68	
Throwing and winding mills ..	2282	6.44	6.46	6.64	6.69		251.80	245.48	249.00	251.54	
Miscellaneous textile goods ..	229	7.75	7.80	8.22	8.18		335.58	334.62	361.68	359.10	
Apparel and other textile products ..	23	5.79	5.80	5.89	5.89	5.90	207.28	211.70	216.75	218.52	218.30
Men's and boys' suits and coats ..	231	6.67	6.67	6.73	6.74	-	227.45	234.78	241.61	241.29	
Men's and boys' furnishings ..	232	5.38	5.38	5.45	5.41		194.22	200.14	202.20	201.25	
Men's and boys' shirts and nightwear ..	2321	5.14	5.16	5.26	5.21		187.10	194.53	195.67	196.42	
Men's and boys' separate trousers ..	2327	5.28	5.31	5.31	5.33		188.50	191.16	195.94	195.08	
Men's and boys' work clothing	2328	5.45	5.46	5.58	5.49		188.57	197.65	204.79	203.68	
Women's and misses' outerwear ..	233	5.56	5.55	5.60	5.63		191.82	194.81	201.04	203.81	
Women's and misses' blouses and waists ..	2331	5.15	5.12	5.07	5.07		177.16	175.62	181.51	183.03	
Women's and misses' dresses	2335	5.79	5.83	5.93	6.02		196.86	202.30	208.14	213.11	
Women's and misses' suits and coats ..	2337	6.38	6.39	6.36	6.31		215.64	218.54	218.78	217.70	
Women's and misses' outerwear, nec ..	2339	5.36	5.34	5.44	5.44		187.06	190.64	199.10	201.82	
Women's and children's undergarments ..	234	5.39	5.35	5.49	5.50		196.20	196.88	198.74	201.85	
Women's and children's underwear ..	2341	5.24	5.19	5.32	5.34		193.36	192.55	194.71	198.11	
Brassieres and allied garments ..	2342	6.11	6.06	6.34	6.32		210.18	216.34	217.46	220.57	
Children's outerwear	236	5.14	5.19	5.20	5.16		190.18	188.92	192.92	189.37	
Children's dresses and blouses ..	2361	4.97	5.00	5.07	5.03		177.43	175.00	187.59	183.09	
Misc. apparel and accessories	238	5.60	5.63	5.74	5.70		199.36	208.87	212.95	218.31	
Misc. fabricated textile products ..	239	7.03	7.10	7.24	7.27		268.55	276.19	280.91	286.44	
Curtains and draperies ..	2391	5.52	5.55	5.64	5.74		199.82	202.58	213.76	218.69	
House furnishings, nec	2392	5.92	5.91	6.05	6.07		219.04	221.63	228.69	234.30	
Automotive and apparel trimmings ..	2396	11.01	11.13	11.27	11.27		448.11	464.12	465.45	475.59	
Paper and allied products ..	26	10.99	11.03	11.17	11.18	11.15	472.57	477.60	485.90	481.86	480.57
Paper and pulp mills	261,2,6	13.33	13.39	13.56	13.58		599.85	605.23	612.91	613.82	-
Paper mills, except building paper ..	262	13.42	13.48	13.63	13.65		603.90	609.30	617.44	618.35	
Paperboard mills	263	13.76	13.86	13.94	14.03		610.94	620.93	617.54	615.92	
Misc. converted paper products ..	264	9.47	9.48	9.72	9.71		396.79	399.11	414.07	410.73	
Paper coating and glazing	2641	10.84	10.84	10.73	10.75		468.29	470.46	482.85	476.23	
Envelopes	2642	8.52	8.56	9.12	9.04		360.40	362.94	379.39	376.06	
Bags, except textile bags	2643	8.91	9.02	9.01	9.01		372.44	372.53	387.43	379.32	
Paperboard containers and boxes ..	265	9.44	9.51	9.59	9.59		397.42	404.18	408.53	401.82	
Folding paperboard boxes	2651	9.77	9.85	9.86	9.91		408.39	425.52	420.04	412.26	
Corrugated and solid fiber boxes ..	2653	9.69	9.74	9.83	9.79		413.76	418.82	425.64	416.08	
Sanitary food containers ..	2654	8.98	9.06	9.25	9.37		378.96	378.71	390.35	389.79	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Nondurable goods—Continued											
Printing and publishing	27	37.6	38.1	37.7	37.9	38.0	2.7	3.0	2.7	2.8	
Newspapers	271	33.4	33.7	32.8	33.3	-	1.6	1.6	1.2	1.4	
Periodicals	272	38.0	38.7	38.2	39.3		3.2	3.8	2.7	3.1	
Books	273	39.5	39.9	39.7	39.5		3.2	3.8	3.6	3.6	
Book publishing	2731	38.2	39.1	38.8	38.5		2.6	3.3	3.1	3.1	
Book printing	2732	41.5	41.2	41.2	41.1		4.2	4.6	4.5	4.5	
Miscellaneous publishing	274	36.3	36.5	35.7	35.9		2.0	2.1	2.4	2.4	
Commercial printing	275	38.9	39.6	39.3	39.6		3.1	3.6	3.2	3.4	
Commercial printing, letterpress	2751	38.4	39.1	38.9	39.3		2.5	2.9	2.9	3.0	
Commercial printing, lithographic	2752	39.0	39.7	39.2	39.5		3.4	3.8	3.2	3.5	
Manifold business forms	276	40.5	40.8	41.6	40.6		3.3	3.5	3.8	3.0	
Blankbooks and bookbinding	278	37.7	38.6	37.9	37.7		1.9	1.9	2.1	2.0	
Printing trade services	279	38.5	39.0	38.0	38.2		3.5	3.4	3.4	3.5	
Chemicals and allied products	28	41.7	42.0	42.3	42.0	42.0	3.4	3.5	3.9	3.8	
Industrial inorganic chemicals	281	41.7	41.9	42.5	42.3	-	3.1	3.1	3.7	3.7	
Industrial inorganic chemicals, nec	2819	42.5	42.6	43.0	42.7		3.2	3.2	3.7	3.8	
Plastics materials and synthetics	282	42.0	42.2	43.3	43.0		3.7	3.8	4.3	4.1	
Plastics materials and resins	2821	43.0	43.4	43.7	43.4		4.6	4.6	4.7	4.6	
Organic fibers, noncellulosic	2824	41.9	41.9	43.2	42.4		3.2	3.3	4.1	3.5	
Drugs	283	41.3	41.6	41.9	41.5		3.0	3.1	3.2	3.1	
Pharmaceutical preparations	2834	40.8	41.7	41.5	41.3		2.9	3.1	3.1	3.2	
Soap, cleaners, and toilet goods	284	40.5	41.1	40.6	40.7		3.0	3.0	3.3	3.2	
Soap and other detergents	2841	43.8	44.3	43.1	43.5		4.5	4.3	4.8	5.1	
Toilet preparations	2844	38.3	39.2	38.7	38.9		2.2	2.5	2.6	2.4	
Polishing, sanitation, and finishing preparations	2842,3	40.9	41.0	41.4	41.2		2.7	2.4	2.9	2.8	
Paints and allied products	285	41.2	41.9	41.0	41.0		3.3	3.3	3.5	3.1	
Industrial organic chemicals	286	43.2	43.3	43.4	42.9		4.0	4.1	4.9	4.8	
Cyclic crudes and intermediates	2865	42.8	42.7	42.8	41.7		4.5	4.0	5.0	4.8	
Gum, wood, and industrial organic chemicals, nec	2861,9	43.3	43.5	43.6	43.3		3.9	4.1	4.9	4.8	
Agricultural chemicals	287	42.2	42.6	42.7	43.1		4.1	4.8	4.8	5.2	
Miscellaneous chemical products	289	41.6	41.6	41.7	41.6		3.6	3.6	3.2	3.2	
Petroleum and coal products	29	43.1	43.7	44.7	43.6	43.9	4.0	4.5	4.5	4.3	
Petroleum refining	291	43.7	44.5	45.2	43.8	-	3.9	4.5	4.2	4.0	
Paving and roofing materials	295	41.7	41.9	43.8	43.4		5.2	5.2	6.3	6.0	
Rubber and misc. plastics products	30	41.0	41.3	41.6	41.5	41.6	3.7	3.8	3.9	3.7	
Tires and inner tubes	301	42.6	42.8	43.7	43.6	-	4.6	4.7	4.9	4.4	
Rubber and plastics footwear	302	38.1	38.6	40.0	40.1		1.2	1.3	2.0	1.6	
Reclaimed rubber, and rubber and plastics hose and belting	303,4	42.6	43.1	40.9	41.0		3.5	3.5	3.1	2.8	
Fabricated rubber products, nec	306	41.0	41.5	41.8	41.6		3.1	3.2	3.6	3.8	
Miscellaneous plastics products	307	40.8	41.1	41.3	41.2		3.7	3.8	3.8	3.7	
Leather and leather products	31	36.0	36.3	37.3	37.2	37.5	1.1	1.3	1.7	1.7	
Leather tanning and finishing	311	40.8	40.8	40.9	41.6	-	3.3	3.6	3.6	3.9	
Footwear, except rubber	314	34.7	35.1	36.9	36.7		.8	.9	1.6	1.5	
Men's footwear, except athletic	3143	34.7	35.5	37.4	37.3		.7	.9	1.5	1.2	
Women's footwear, except athletic	3144	34.2	33.8	37.2	36.4		.9	.8	2.0	2.1	
Luggage	316	38.9	39.1	37.1	37.9		1.6	2.0	.5	.5	
Handbags and personal leather goods	317	36.3	37.3	36.7	37.1		.6	1.1	1.6	1.4	
Transportation and public utilities		39.2	39.4	38.7	39.0	39.1					
Railroad transportation: Class I railroads ²	4011	44.3	45.1	43.9	44.4						
Local and interurban passenger transit	41	34.0	34.0	33.1	33.1						
Local and suburban transportation	411	38.5	38.5	38.0	38.0						
Intercity highway transportation	413	40.9	39.0	37.5	38.3						
Trucking and warehousing	42	37.4	37.9	37.5	38.1						
Trucking and trucking terminals	421,3	37.3	37.9	37.4	38.1						
Public warehousing	422	37.6	37.6	38.2	38.5						
Pipe lines, except natural gas	46	44.2	43.5	42.0	41.2						

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Nondurable goods—Continued											
Printing and publishing	27	\$9.86	\$9.90	\$10.14	\$10.16	\$10.17	\$370.74	\$377.19	\$382.28	\$385.06	\$386.46
Newspapers	271	10.01	9.97	10.08	10.10	-	334.33	335.99	330.62	336.33	-
Periodicals	272	10.52	10.65	10.88	10.85	-	399.76	412.16	415.62	426.41	-
Books	273	8.66	8.64	9.26	9.16	-	342.07	344.74	367.62	361.82	-
Book publishing	2731	7.97	7.93	8.74	8.68	-	304.45	310.06	339.11	334.18	-
Book printing	2732	9.63	9.69	10.06	9.91	-	399.65	399.23	414.47	407.30	-
Miscellaneous publishing	274	8.83	8.82	9.15	9.15	-	320.53	321.93	326.66	328.49	-
Commercial printing	275	10.16	10.25	10.41	10.48	-	395.22	405.90	409.11	415.01	-
Commercial printing, letterpress	2751	9.75	9.78	10.12	10.13	-	374.40	382.40	393.67	398.11	-
Commercial printing, lithographic	2752	10.33	10.44	10.52	10.63	-	402.87	414.47	412.38	419.89	-
Manifold business forms	276	10.18	10.25	10.63	10.48	-	412.29	418.20	442.21	425.49	-
Blankbooks and bookbinding	278	7.72	7.75	8.07	7.97	-	291.04	299.15	305.85	300.47	-
Printing trade services	279	11.91	11.85	12.38	12.53	-	458.54	462.15	470.44	478.65	-
Chemicals and allied products	28	11.81	11.78	12.17	12.20	12.26	492.48	494.76	514.79	512.40	514.92
Industrial inorganic chemicals	281	12.96	12.97	13.38	13.41	-	540.43	543.44	568.65	567.24	-
Industrial inorganic chemicals, nec	2819	13.02	13.05	13.39	13.43	-	553.35	555.93	575.77	573.46	-
Plastics materials and synthetics	282	11.95	11.98	12.24	12.31	-	501.90	505.56	529.99	529.33	-
Plastics materials and resins	2821	13.06	13.00	13.29	13.35	-	561.58	564.20	580.77	579.39	-
Organic fibers, noncellulosic	2824	11.62	11.68	11.75	11.87	-	486.88	489.39	507.60	503.29	-
Drugs	283	11.00	10.97	11.32	11.42	-	454.30	456.35	474.31	473.93	-
Pharmaceutical preparations	2834	10.71	10.68	11.06	11.13	-	436.97	445.36	458.99	459.67	-
Soap, cleaners, and toilet goods	284	10.62	10.53	10.95	10.90	-	430.11	432.78	444.57	443.63	-
Soap and other detergents	2841	13.63	13.68	14.07	14.11	-	596.99	606.02	606.42	613.79	-
Toilet preparations	2844	8.89	8.83	9.40	9.31	-	340.49	346.14	363.78	362.16	-
Polishing, sanitation, and finishing preparations	2842,3	9.93	9.74	10.04	10.06	-	406.14	399.34	415.66	414.47	-
Paints and allied products	285	10.29	10.34	10.82	10.78	-	423.95	433.25	443.62	441.98	-
Industrial organic chemicals	286	14.14	14.09	14.47	14.60	-	610.85	610.10	628.00	626.34	-
Cyclic crudes and intermediates	2865	14.01	13.82	14.57	14.69	-	599.63	590.11	623.60	612.57	-
Gum, wood, and industrial organic chemicals, nec	2861,9	14.18	14.18	14.44	14.58	-	613.99	616.83	629.58	631.31	-
Agricultural chemicals	287	11.18	11.07	11.83	11.58	-	471.80	471.58	505.14	499.10	-
Miscellaneous chemical products	289	11.03	11.09	11.28	11.34	-	458.85	461.34	470.38	471.74	-
Petroleum and coal products	29	14.21	14.22	14.40	14.35	14.56	612.45	621.41	643.68	625.66	639.18
Petroleum refining	291	15.30	15.34	15.46	15.45	-	668.61	682.63	698.79	676.71	-
Paving and roofing materials	295	10.46	10.41	11.03	10.95	-	436.18	436.18	483.11	475.23	-
Rubber and misc. plastics products	30	8.69	8.72	8.87	8.84	8.85	356.29	360.14	368.99	366.86	368.16
Tires and inner tubes	301	13.51	13.55	13.92	13.78	-	575.53	579.94	608.30	600.81	-
Rubber and plastics footwear	302	5.95	5.96	5.98	5.97	-	226.70	230.06	239.20	239.40	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	8.48	8.46	9.05	8.90	-	361.25	364.63	370.15	364.90	-
Fabricated rubber products, nec	306	8.50	8.47	8.64	8.61	-	348.50	351.51	361.15	358.18	-
Miscellaneous plastics products	307	8.09	8.12	8.23	8.22	-	330.07	333.73	339.90	338.66	-
Leather and leather products	31	5.83	5.86	6.03	5.97	6.04	209.88	212.72	224.92	222.08	226.50
Leather tanning and finishing	311	7.46	7.52	7.88	7.90	-	304.37	306.82	322.29	328.64	-
Footwear, except rubber	314	5.56	5.57	5.78	5.70	-	192.93	195.51	213.28	209.19	-
Men's footwear, except athletic	3143	5.91	5.95	6.18	6.13	-	205.08	211.23	231.13	228.65	-
Women's footwear, except athletic	3144	5.32	5.32	5.49	5.39	-	181.94	179.82	204.23	196.20	-
Luggage	316	6.18	6.23	6.28	6.21	-	240.40	243.59	232.99	235.36	-
Handbags and personal leather goods	317	5.51	5.59	5.74	5.74	-	200.01	208.51	210.66	212.95	-
Transportation and public utilities		11.64	11.62	11.73	11.79	11.78	456.29	457.83	453.95	459.81	460.60
Railroad transportation:											
Class I railroads ³	4011	13.91	13.77	14.03	14.28	-	616.21	621.03	615.92	634.03	-
Local and interurban passenger transit	41	7.93	7.91	8.10	8.08	-	269.62	268.94	268.11	267.45	-
Local and suburban transportation	411	8.35	8.38	8.60	8.59	-	321.48	322.63	326.80	326.42	-
Intercity highway transportation	413	11.61	11.60	11.80	11.61	-	474.85	452.40	442.50	444.66	-
Trucking and warehousing	42	10.69	10.71	10.69	10.76	-	399.81	405.91	400.88	409.96	-
Trucking and trucking terminals	421,3	10.86	10.87	10.88	10.95	-	405.08	411.97	406.91	417.20	-
Public warehousing	422	8.33	8.43	8.16	8.24	-	313.21	316.97	311.71	317.24	-
Pipe lines, except natural gas	46	15.12	15.05	15.39	15.43	-	668.30	654.68	646.38	635.72	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Transportation and public utilities—Continued											
Communication	48	40.2	40.2	39.7	39.6						
Telephone communication	481	41.5	41.4	40.9	40.7						
Radio and television broadcasting ..	483	37.1	37.2	36.9	36.8						
Electric, gas, and sanitary services ..	49	41.7	41.7	41.6	41.1						
Electric services	491	41.6	41.6	41.5	40.5						
Gas production and distribution ..	492	40.6	40.3	41.3	40.8						
Combination utility services	493	42.4	42.6	42.1	42.8						
Sanitary services ..	495	42.8	43.2	41.5	41.4						
Wholesale trade ..		38.0	38.3	38.1	38.0	38.1					
Durable goods	50	38.6	38.8	38.6	38.6						
Motor vehicles and automotive equipment ..	501	37.9	38.3	38.0	37.9						
Furniture and home furnishings	502	36.4	36.7	36.9	37.0						
Lumber and construction materials	503	38.1	39.0 ^s	39.0	38.7						
Sporting goods, toys, and hobby goods ..	504	36.2	36.3 ^s	36.6	36.3						
Metals and minerals, except petroleum ..	505	40.1	40.1	40.6	40.4						
Electrical goods	506	38.1	38.4	38.9	38.6						
Hardware, plumbing, and heating equipment ..	507	38.3	38.4	38.3	38.2						
Machinery, equipment, and supplies	508	39.4	39.5	39.0	39.1						
Miscellaneous durable goods	509	37.1	37.5	37.6	37.7						
Nondurable goods	51	37.2	37.5	37.4	37.3						
Paper and paper products	511	36.9	37.2	37.1	37.5						
Drugs, proprietaries, and sundries	512	36.4	36.9	37.4	36.9						
Apparel, piece goods, and notions ..	513	35.9	35.9	36.3	36.4						
Groceries and related products ..	514	37.6	37.9	37.7	37.7						
Chemicals and allied products	516	38.8	39.0	40.0	39.7						
Petroleum and petroleum products ..	517	39.3	39.4	39.4	38.9						
Beer, wine, and distilled beverages ..	518	35.8	36.1	35.8	35.7						
Miscellaneous nondurable goods ..	519	37.0	37.4	36.7	36.5						
Retail trade ..		28.6	28.9	28.4	28.7	28.8					
Building materials and garden supplies ..	52	35.3	35.7	36.3	36.1						
Lumber and other building materials ..	521	37.2	37.7	38.3	38.1						
Hardware stores ..	525	32.2	32.5	32.4	32.3						
General merchandise stores ..	53	26.8	27.7	26.7	26.7						
Department stores ..	531	26.6	27.5	26.4	26.4						
Variety stores	533	27.9	28.9	28.4	28.0						
Misc. general merchandise stores ..	539	28.4	28.9	28.3	28.4						
Food stores	54	29.5	29.5	29.3	29.4						
Grocery stores ..	541	29.7	29.7	29.6	29.6						
Retail bakeries ..	546	29.2	29.1	26.6	28.1						
Automotive dealers and service stations ..	55	36.2	36.5	36.2	36.1						
New and used car dealers	551,2	37.3	37.5	37.1	37.1						
Auto and home supply stores ..	553	38.7	38.9	38.8	38.8						
Gasoline service stations ..	554	33.7	34.0	33.6	33.5						
Apparel and accessory stores	56	26.2	26.8	25.8	26.1						
Men's and boys' clothing and furnishings ..	561	29.2	29.1	29.2	29.0						
Women's ready-to-wear stores	562	24.7	25.6	24.4	24.6						
Family clothing stores	565	26.6	27.2	25.1	26.2						
Shoe stores	566	27.0	27.4	27.4	27.4						
Furniture and home furnishings stores	57	32.6	33.0	33.0	33.0						
Furniture and home furnishings stores ..	571	32.5	32.9	32.6	32.6						
Household appliance stores	572	33.2	33.9	33.5	33.1						
Radio, television, and music stores ..	573	32.6	32.7	33.4	33.7						
Eating and drinking places ⁴ ..	58	25.0	25.3	24.8	25.5						

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^a	Mar. 1987 ^a
Transportation and public utilities—Continued											
Communication	48	\$12.04	\$12.06	\$12.23	\$12.21		\$484.01	\$484.81	\$485.53	\$483.52	
Telephone communication	481	12.73	12.76	13.03	12.97		528.30	528.26	532.93	527.88	
Radio and television broadcasting ..	483	10.80	10.78	10.81	10.84		400.68	401.02	398.89	398.91	
Electric, gas, and sanitary services ..	49	13.29	13.35	13.53	13.64		554.19	556.70	562.85	560.60	
Electric services	491	13.25	13.34	13.66	13.77		551.20	554.94	566.89	557.69	
Gas production and distribution ..	492	12.40	12.46	12.79	12.89		503.44	502.14	528.23	525.91	
Combination utility services ..	493	15.66	15.72	15.50	15.62		663.98	669.67	652.55	668.54	
Sanitary services ..	495	9.65	9.56	9.98	9.99		413.02	412.99	414.17	413.59	
Wholesale trade ..		9.36	9.33	9.49	9.55	\$9.51	355.68	357.34	361.57	362.90	\$362.33
Durable goods	50	9.48	9.44	9.62	9.70		365.93	366.27	371.33	374.42	
Motor vehicles and automotive equipment ..	501	8.39	8.37	8.61	8.57		317.98	320.57	327.18	324.80	
Furniture and home furnishings	502	8.51	8.53	8.75	8.78		309.76	313.05	322.88	324.86	
Lumber and construction materials	503	8.85	8.81	9.04	9.10		337.19	343.59	352.56	352.17	
Sporting goods, toys, and hobby goods ..	504	9.67	9.73	9.84	9.66		350.05	353.20	360.14	350.66	
Metals and minerals, except petroleum ..	505	10.32	10.27	10.23	10.30		413.83	411.83	415.34	416.12	
Electrical goods	506	9.95	9.80	10.01	10.13		379.10	376.32	389.39	391.02	
Hardware, plumbing, and heating equipment ..	507	8.93	8.92	9.15	9.18		342.02	342.53	350.45	350.68	
Machinery, equipment, and supplies	508	10.04	10.01	10.22	10.34		395.58	395.40	398.58	404.29	
Miscellaneous durable goods	509	7.63	7.58	7.61	7.71		283.07	284.25	286.14	290.67	
Nondurable goods	51	9.18	9.16	9.31	9.32		341.50	343.50	348.19	347.64	
Paper and paper products	511	9.99	9.96	9.80	9.69		368.63	370.51	363.58	363.38	
Drugs, proprietaries, and sundries	512	10.68	10.58	10.63	10.86		388.75	390.40	397.56	400.73	
Apparel, piece goods, and notions	513	8.85	8.83	9.18	9.23		317.72	317.00	333.23	335.97	
Groceries and related products	514	9.23	9.22	9.40	9.40		347.05	349.44	354.38	354.38	
Chemicals and allied products	516	11.48	11.46	12.04	12.07		445.42	446.94	481.60	479.18	
Petroleum and petroleum products	517	9.77	9.83	9.64	9.60		383.96	387.30	379.82	373.44	
Beer, wine, and distilled beverages ..	518	10.61	10.75	10.78	10.69		379.84	388.08	385.92	381.63	
Miscellaneous nondurable goods ..	519	7.50	7.44	7.67	7.73		277.50	278.26	281.49	282.15	
Retail trade ..		6.04	6.03	6.07	6.06	6.05	172.74	174.27	172.39	173.92	174.24
Building materials and garden supplies	52	6.76	6.75	6.98	6.94		238.63	240.98	253.37	250.53	
Lumber and other building materials	521	7.06	7.06	7.30	7.25		262.63	266.16	279.59	276.23	
Hardware stores ..	525	5.78	5.78	5.87	5.85		186.12	187.85	190.19	188.96	
General merchandise stores ..	53	6.23	6.26	6.41	6.48		166.96	173.40	171.15	173.02	
Department stores ..	531	6.49	6.53	6.70	6.79		172.63	179.58	176.88	179.26	
Variety stores	533	4.72	4.69	4.72	4.76		131.69	135.54	134.05	133.28	
Misc. general merchandise stores ..	539	4.86	4.91	5.00	5.03		138.02	141.90	141.50	142.85	
Food stores ..	54	7.20	7.16	6.92	6.92		212.40	211.22	202.76	203.45	
Grocery stores ..	541	7.41	7.36	7.08	7.09		220.08	218.59	209.57	209.86	
Retail bakeries ..	546	5.44	5.44	5.56	5.49		158.85	158.30	147.90	154.27	
Automotive dealers and service stations ..	55	7.52	7.52	7.49	7.50		272.22	274.48	271.14	270.75	
New and used car dealers	551,2	9.10	9.12	9.02	9.02		339.43	342.00	334.64	334.64	
Auto and home supply stores ..	553	6.51	6.52	6.59	6.60		251.94	253.63	255.69	256.08	
Gasoline service stations ..	554	5.40	5.40	5.47	5.47		181.98	183.60	183.79	183.25	
Apparel and accessory stores	56	5.35	5.34	5.48	5.52		140.17	143.11	141.38	144.07	
Men's and boys' clothing and furnishings	561	6.25	6.14	6.58	6.58		182.50	178.67	192.14	190.82	
Women's ready-to-wear stores	562	5.05	5.06	5.12	5.17		124.74	129.54	124.93	127.18	
Family clothing stores	565	5.30	5.31	5.58	5.50		140.98	144.43	140.06	144.10	
Shoe stores	566	5.33	5.35	5.26	5.49		143.91	146.59	144.12	150.43	
Furniture and home furnishings stores	57	7.21	7.24	7.39	7.32		235.05	238.92	243.87	241.56	
Furniture and home furnishings stores	571	7.27	7.34	7.49	7.42		236.28	241.49	244.17	241.89	
Household appliance stores	572	7.36	7.37	7.48	7.42		244.35	249.84	250.58	245.60	
Radio, television, and music stores	573	7.07	7.02	7.20	7.13		230.48	229.55	240.48	240.28	
Eating and drinking places ^d	58	4.37	4.36	4.40	4.41		109.25	110.31	109.12	112.46	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Retail trade—Continued											
Miscellaneous retail	59	30.2	30.0	29.8	30.3						
Drug stores and proprietary stores	591	28.1	28.2	27.8	27.7						
Miscellaneous shopping goods stores	594	28.3	28.3	28.1	28.2						
Nonstore retailers	596	32.2	32.7	32.5	33.1						
Fuel and ice dealers	598	39.4	38.3	39.5	39.7						
Retail stores, nec	599	33.1	31.6	31.0	33.5						
Finance, insurance, and real estate⁵		36.8	36.7	36.5	36.5	36.4					
Banking	60	36.9	36.6	36.3	36.3						
Commercial and stock savings banks	602	36.9	36.6	36.3	36.3						
Credit agencies other than banks	61	37.7	37.8	37.0	37.1						
Savings and loan associations	612	36.7	36.9	36.3	35.9						
Personal credit institutions	614	37.8	37.8	37.2	37.3						
Insurance carriers	63	37.9	37.8	37.4	37.5						
Life insurance	631	37.4	37.2	37.0	37.2						
Medical service and health insurance	632	38.1	38.0	38.1	37.5						
Fire, marine, and casualty insurance	633	38.0	37.9	37.2	37.4						
Services		32.4	32.4	32.2	32.3	32.2					
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	30.5	30.6	29.5	30.9						
Personal services:											
Laundry, cleaning, and garment services	721	33.3	33.8	33.9	33.8						
Beauty shops ⁴	723	29.4	29.8	29.4	29.8						
Business services	73	33.4	33.6	33.2	33.2						
Advertising	731	36.0	36.2	35.9	35.9						
Services to buildings	734	28.4	28.4	27.9	28.0						
Computer and data processing services	737	38.7	38.6	38.0	37.8						
Auto repair, services, and garages	75	36.9	37.1	37.2	37.2						
Automotive repair shops	753	38.2	38.4	38.5	38.4						
Miscellaneous repair services	76	37.5	37.9	37.7	37.6						
Motion pictures	78	29.0	27.1	28.1	28.2						
Motion picture production and services	781	37.8	33.3	35.3	35.3						
Amusement and recreation services	79	28.5	28.3	28.1	28.9						
Health services	80	32.4	32.4	32.3	32.3						
Offices of physicians	801	30.8	30.9	30.8	30.8						
Offices of dentists	802	28.1	28.2	28.1	28.0						
Nursing and personal care facilities	805	31.3	31.3	31.5	31.4						
Hospitals	806	34.3	34.2	34.1	34.1						
Legal services	81	34.7	34.8	34.6	34.5						
Miscellaneous services	89	39.1	39.3	38.4	38.5						
Engineering and architectural services	891	39.4	39.6	39.2	39.1						
Accounting, auditing, and bookkeeping	893	39.7	39.9	38.0	38.5						

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code ↙	Average hourly earnings					Average weekly earnings				
		Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$6.10	\$6.10	\$6.27	\$6.28		\$184.22	\$183.00	\$186.85	\$190.28	
Drug stores and proprietary stores	591	5.55	5.57	5.79	5.79		155.96	157.07	160.96	160.38	
Miscellaneous shopping goods stores ..	594	5.73	5.72	5.82	5.83		162.16	161.88	163.54	164.41	
Nonstore retailers	596	6.79	6.86	7.11	7.10		218.64	224.32	231.08	235.01	
Fuel and ice dealers ..	598	8.96	8.78	9.13	9.20		353.02	336.27	360.64	365.24	
Retail stores, nec ..	599	6.18	6.27	6.38	6.34		204.56	198.13	197.78	212.39	
Finance, insurance, and real estate⁵ ..		8.28	8.30	8.58	8.71	\$8.68	304.70	304.61	313.17	317.92	\$315.95
Banking	60	7.09	7.15	7.38	7.50		261.62	261.69	267.89	272.25	
Commercial and stock savings banks ..	602	6.94	6.97	7.15	7.26		256.09	255.10	259.55	263.54	
Credit agencies other than banks ..	61	7.57	7.54	7.93	7.95		285.39	285.01	293.41	294.95	
Savings and loan associations	612	7.13	7.11	7.50	7.52		261.67	262.36	272.25	269.97	
Personal credit institutions ..	614	7.28	7.27	7.43	7.49		275.18	274.81	276.40	279.38	
Insurance carriers ..	63	8.96	8.95	9.36	9.51		339.58	338.31	350.06	356.63	
Life insurance	631	8.43	8.42	8.88	9.00		315.28	313.22	328.56	334.80	
Medical service and health insurance ..	632	9.04	9.06	9.26	9.57		344.42	344.28	352.81	358.88	
Fire, marine, and casualty insurance ..	633	9.34	9.35	9.69	9.86		354.92	354.37	360.47	368.76	
Services		8.17	8.18	8.36	8.40	8.40	264.71	265.03	269.19	271.32	270.48
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴ ..	701	6.01	5.97	6.14	6.12		183.31	182.68	181.13	189.11	
Personal services:											
Laundry, cleaning, and garment services	721	5.94	5.96	6.07	6.07		197.80	201.45	205.77	205.17	
Beauty shops ⁴ ..	723	5.97	6.15	6.11	6.03		175.52	183.27	179.63	179.69	
Business services	73	8.43	8.44	8.58	8.60		281.56	283.58	284.86	285.52	
Advertising	731	11.35	11.54	11.20	11.59		408.60	417.75	402.08	416.08	
Services to buildings	734	6.39	6.37	6.48	6.50		181.48	180.91	180.79	182.00	
Computer and data processing services ..	737	11.47	11.55	11.84	12.03		443.89	445.83	449.92	454.73	
Auto repair, services, and garages	75	7.52	7.55	7.71	7.73		277.49	280.11	286.81	287.56	
Automotive repair shops	753	8.09	8.14	8.29	8.31		309.04	312.58	319.17	319.10	
Miscellaneous repair services	76	8.76	8.81	8.93	9.01		328.50	333.90	336.66	338.78	
Motion pictures	78	12.54	12.82	12.77	12.54		363.66	347.42	358.84	353.63	
Motion picture production and services ..	781	16.97	17.35	16.92	16.53		641.47	577.76	597.28	583.51	
Amusement and recreation services	79	7.29	7.43	7.23	7.03		207.77	210.27	203.16	203.17	
Health services	80	8.27	8.26	8.51	8.55		267.95	267.62	274.87	276.17	
Offices of physicians ..	801	8.19	8.19	8.29	8.38		252.25	253.07	255.33	258.10	
Offices of dentists	802	8.24	8.24	8.41	8.49		231.54	232.37	236.32	237.72	
Nursing and personal care facilities ..	805	5.79	5.77	5.87	5.89		181.23	180.60	184.91	184.95	
Hospitals	806	9.22	9.22	9.63	9.64		316.25	315.32	328.38	328.72	
Legal services ..	81	11.17	11.17	11.59	11.82		387.60	388.72	401.01	407.79	
Miscellaneous services	89	11.68	11.63	11.84	12.00		456.69	457.06	454.66	462.00	
Engineering and architectural services ..	891	12.81	12.77	12.84	12.97		504.71	505.69	503.33	507.13	
Accounting, auditing, and bookkeeping ..	893	9.69	9.67	9.90	10.16		384.69	385.83	376.20	391.16	

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² See table C-2a for average hourly earnings in the aircraft industry (SIC 3721).

³ Data relate to line haul railroads with operating revenues of \$50,000,000 or more.

⁴ Money payments only; tips, not included.

⁵ Data for nonoffice sales agents are excluded from all series in this division.

— Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

A Note on Average Hourly Earnings in Aircraft Manufacturing

For many years, the Bureau of Labor Statistics' average hourly earnings series for production workers in aircraft manufacturing (SIC 3721) has been used to escalate labor costs in contracts between aircraft companies and their customers. Although the Bureau's series by definition takes account of traditional wage rate changes, it does not capture "lump-sum payments to workers in lieu of general wage increases" which were negotiated in aircraft manufacturers' collective bargaining agreements beginning in late 1983.

As a service to aircraft companies and other interested parties, BLS has calculated an average hourly earnings series for SIC 3721 which includes lump-sum payments. This series is presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. The series begins in October 1983, the effective date of the first aircraft bargaining agreement using lump-sum payments.

The general practice in the industry has been to make this payment at the beginning of the contract year "in lieu of a wage increase" and to base the amount of the payment on the workers' earnings during the preceding year. As a result, the Bureau considered three approaches to the method for calculating an average hourly earnings series which includes lump-sum payments:

1. The entire payment could be included in the month in which the payment was made.
2. The payments could be prorated backward to payroll periods used to determine the amount of the lump-sum payment.
3. The payments could be prorated forward as an advance

payment for payroll periods in the year following the payment.

The first approach, attractive because it includes the payment in the month in which it is received by the worker, creates 1-month "spikes" and a series which would not be useful for escalation purposes. The second approach, which prorates the payments backward, places emphasis on the determination of the amount of the payment from workers' earnings in the previous year. This approach generally relates the payments to the workers who receive them. However, the Bureau has received statements from both union and company officials who negotiated the agreements covering a majority of the workers in the industry. These statements make clear that the intent of the bargainers was to make an advance payment for the upcoming contract year in lieu of an increase in wage rates for that following year.

Because BLS has a longstanding policy of leaving the interpretation of collective bargaining agreements to the parties involved, the Bureau calculated the inclusion of lump-sum payments using the third method, prorating the payments forward through the years covered by the contract. Because the payments prorated forward under this approach may include payments to workers no longer on the payroll, data provided by the aircraft companies have been used to adjust for this difference.

Lump-sum payments are but one of several recent changes in the way that employees are compensated. The changes are widespread and they differ by industry. Because of these developments, the Bureau plans to conduct a broad-based review of all concepts and definitions used in its earnings and wage programs to determine the proper treatment of lump-sum payments and other new compensation practices.

C-2a. Average hourly earnings in aircraft manufacturing (SIC 3721)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average hourly earnings, excluding lump-sum payments													
1983											\$12.76	\$12.83	\$12.93
1984	\$12.91	\$12.82	\$12.88	\$12.85	\$12.81	\$12.78	\$12.87	\$12.89	\$12.87	\$12.97	13.04	13.05	13.13
1985	13.18	13.01	13.12	13.11	13.04	13.06	13.11	13.05	13.16	13.26	13.35	13.37	13.48
1986	13.48	13.38	13.44	13.46	13.46	13.38	13.42	13.41	13.43	13.48	13.52	13.66	13.64
1987		13.60	^P 13.69										
Average hourly earnings, including lump-sum payments													
1983											\$12.83	\$12.92	\$13.03
1984	\$13.11	\$12.95	\$13.02	\$13.02	\$12.98	\$12.97	\$13.06	\$13.11	\$13.09	\$13.19	13.26	13.28	13.37
1985	13.40	13.26	13.36	13.33	13.26	13.27	13.33	13.29	13.39	13.48	13.54	13.57	13.68
1986	13.78	13.58	13.64	13.66	13.66	13.58	13.63	13.61	13.63	13.68	14.12	14.23	14.19
1987		14.14	^P 14.23										

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime¹ of production workers on manufacturing payrolls

Industry	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ^p	Mar. 1987 ^p
Manufacturing ..	\$9.33	\$9.33	\$9.43	\$9.43	\$9.44
Durable goods	9.88	9.88	9.95	9.96	9.95
Lumber and wood products	8.07	8.01	7.96	7.98	(²)
Furniture and fixtures	7.12	7.13	7.33	7.32	(²)
Stone, clay, and glass products ..	9.45	9.42	9.67	9.62	(²)
Primary metal industries	11.39	11.42	11.27	11.29	(²)
Fabricated metal products	9.45	9.48	9.57	9.57	(²)
Machinery, except electrical	10.11	10.15	10.16	10.19	(²)
Electrical and electronic equipment ..	9.29	9.30	9.53	9.52	(²)
Transportation equipment	12.21	12.24	12.34	12.31	(²)
Instruments and related products ..	9.11	9.10	9.31	9.33	(²)
Miscellaneous manufacturing	7.29	7.29	7.48	7.47	(²)
Nondurable goods	8.53	8.54	8.70	8.70	\$8.72
Food and kindred products ..	8.35	8.39	8.51	8.55	(²)
Tobacco manufactures	12.23	12.54	12.75	13.20	(²)
Textile mill products	6.55	6.56	6.78	6.77	(²)
Apparel and other textile products ..	5.67	5.68	5.76	5.75	(²)
Paper and allied products ..	10.44	10.47	10.57	10.60	(²)
Printing and publishing	9.52	9.53	9.79	9.79	(²)
Chemicals and allied products ..	11.35	11.31	11.64	11.67	(²)
Petroleum and coal products	13.58	13.53	13.72	13.68	(²)
Rubber and misc. plastics products ..	8.32	8.34	8.47	8.46	(²)
Leather and leather products ..	5.75	5.76	5.89	5.84	(²)

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

² Not available.

^p — preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.

Industry	Average hourly earnings					Average weekly earnings				
	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ²	Mar. 1987 ²	Feb. 1986	Mar. 1986	Jan. 1987	Feb. 1987 ²	Mar. 1987 ²
Total private:										
Current dollars	\$8.74	\$8.73	\$8.88	\$8.89	\$8.90	\$300.66	\$302.93	\$305.47	\$306.71	\$307.94
Constant (1977) dollars	4.91	4.93	4.92	4.90	(³)	168.82	171.05	171.78	169.17	(³)
Mining:										
Current dollars	12.32	12.35	12.67	12.52	\$12.51	522.37	522.41	542.28	527.09	\$522.92
Constant (1977) dollars	6.92	6.98	7.01	6.91	(³)	293.30	294.98	300.27	290.73	(³)
Construction:										
Current dollars	12.35	12.22	12.53	12.45	\$12.57	434.72	444.81	467.37	459.41	\$471.38
Constant (1977) dollars	6.93	6.90	6.94	6.87	(³)	244.09	251.16	258.79	253.40	(³)
Manufacturing:										
Current dollars	9.70	9.72	9.83	9.84	\$9.85	390.91	395.60	401.06	401.47	\$402.87
Constant (1977) dollars	5.45	5.49	5.44	5.42	(³)	219.49	223.38	222.07	221.44	(³)
Transportation and public utilities:										
Current dollars	11.64	11.62	11.73	11.79	\$11.78	456.29	457.83	453.95	459.81	\$460.60
Constant (1977) dollars	6.54	6.56	6.49	6.50	(³)	256.20	258.51	251.36	253.62	(³)
Wholesale trade:										
Current dollars	9.36	9.33	9.49	9.55	\$9.51	355.68	357.34	361.57	362.90	\$362.33
Constant (1977) dollars	5.26	5.27	5.26	5.27	(³)	199.71	201.77	200.20	200.17	(³)
Retail trade:										
Current dollars	6.04	6.03	6.07	6.06	\$6.05	172.74	174.27	172.39	173.92	\$174.24
Constant (1977) dollars	3.39	3.40	3.36	3.34	(³)	96.99	98.40	95.45	95.93	(³)
Finance, insurance, and real estate:										
Current dollars	8.28	8.30	8.58	8.71	\$8.68	304.70	304.61	313.17	317.92	\$315.95
Constant (1977) dollars	4.65	4.69	4.75	4.80	(³)	171.08	172.00	173.41	175.36	(³)
Services:										
Current dollars	8.17	8.18	8.36	8.40	\$8.40	264.71	265.03	269.19	271.32	\$270.48
Constant (1977) dollars	4.59	4.62	4.63	4.63	(³)	148.63	149.65	149.05	149.65	(³)

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Not available.

³ = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

**C-5. Average weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls
by major industry and manufacturing group, seasonally adjusted**

Industry	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Total private	34.9	34.8	34.8	34.7	34.7	34.8	34.7	34.7	34.8	34.6	34.8	35.0	34.8
Mining	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Construction	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Manufacturing	40.7	40.7	40.7	40.6	40.6	40.8	40.8	40.7	40.8	40.8	41.0	41.2	40.9
<i>Overtime hours</i>	3.4	3.4	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.7
Durable goods	41.4	41.3	41.2	41.2	41.1	41.4	41.4	41.3	41.4	41.3	41.6	41.9	41.6
<i>Overtime hours</i>	3.6	3.6	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.8
Lumber and wood products ..	40.2	40.3	40.3	39.9	40.1	40.2	40.1	40.3	40.7	40.4	40.7	41.1	40.8
Furniture and fixtures	39.4	39.1	39.4	39.4	39.4	39.9	40.0	39.8	39.6	39.6	40.2	40.1	39.8
Stone, clay, and glass products ..	41.9	42.4	42.3	42.2	42.2	42.5	42.5	42.3	41.9	42.1	42.9	43.1	42.5
Primary metal industries	41.9	41.3	41.7	41.6	41.3	41.9	42.0	42.3	42.4	42.5	42.7	42.8	42.7
Blast furnaces and basic steel products ..	41.7	40.5	41.5	41.1	41.2	41.5	41.6	42.3	42.5	42.7	42.8	42.4	42.3
Fabricated metal products	41.4	41.2	41.1	41.1	41.1	41.2	41.5	41.2	41.4	41.1	41.5	41.8	41.5
Machinery, except electrical ..	41.6	41.8	41.8	41.7	41.4	41.7	41.7	41.6	41.7	41.5	42.0	42.1	41.9
Electrical and electronic equipment ..	41.0	41.1	41.0	41.0	41.1	41.2	41.2	40.9	41.0	41.0	41.0	41.4	40.8
Transportation equipment	42.7	42.1	41.9	42.2	42.1	42.6	42.6	42.1	42.3	42.1	42.3	42.8	42.7
Motor vehicles and equipment ..	43.3	41.9	41.8	42.4	42.4	42.8	42.7	42.1	42.6	42.6	43.2	43.5	43.2
Instruments and related products ..	41.3	41.3	40.9	41.0	40.8	41.0	40.7	41.1	41.2	41.3	41.2	41.4	41.3
Miscellaneous manufacturing ..	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Nondurable goods ..	39.8	39.9	39.9	39.8	39.8	40.0	39.9	39.9	40.1	40.1	40.1	40.4	40.1
<i>Overtime hours</i>	3.2	3.3	3.4	3.2	3.4	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.5
Food and kindred products ..	39.9	40.2	40.2	40.0	40.0	40.3	39.7	39.8	40.0	39.8	40.0	40.1	40.0
Tobacco manufactures ..	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Textile mill products	40.7	41.3	41.1	40.8	40.9	41.4	41.6	41.5	41.5	41.9	41.7	42.3	42.0
Apparel and other textile products ..	36.5	36.9	36.5	36.5	36.6	36.5	36.7	36.7	36.9	37.0	36.9	37.6	37.0
Paper and allied products ..	43.5	43.0	43.2	43.1	43.2	43.5	43.0	43.0	43.2	43.4	43.6	43.6	43.3
Printing and publishing	38.0	38.0	38.0	37.8	37.9	38.0	38.0	38.0	38.1	38.1	38.0	38.3	37.9
Chemicals and allied products ..	41.9	41.9	42.0	41.9	41.9	42.1	42.0	42.2	42.5	42.2	42.3	42.1	41.9
Petroleum and coal products	43.8	43.6	43.4	44.0	43.5	44.3	43.4	43.7	43.8	43.6	45.0	44.2	44.0
Rubber and misc. plastics products ..	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Leather and leather products ..	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Transportation and public utilities ..	39.6	39.2	39.2	39.1	39.2	39.1	38.9	39.1	39.3	39.0	39.1	39.3	39.3
Wholesale trade ..	38.5	38.5	38.4	38.3	38.3	38.4	38.2	38.4	38.3	38.2	38.3	38.4	38.3
Retail trade ..	29.3	29.2	29.2	29.1	29.2	29.2	29.2	29.1	29.3	28.9	29.0	29.4	29.2
Finance, insurance, and real estate ..	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Services ..	32.5	32.5	32.5	32.4	32.4	32.4	32.3	32.4	32.5	32.4	32.4	32.5	32.3

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.
^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-6. Indexes of aggregate weekly hours of production or nonsupervisory workers ¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(1977 = 100)

Industry	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Total private	117.4	117.8	117.7	117.3	117.9	118.4	118.3	118.6	119.3	119.0	119.9	120.9	120.4
Goods-producing	98.5	99.4	98.8	98.0	98.1	98.9	98.7	98.5	98.8	99.0	100.4	101.0	99.8
Mining	95.0	90.2	85.3	83.4	83.7	83.0	81.2	82.1	81.1	81.4	81.0	81.8	81.2
Construction	126.6	133.7	132.6	130.3	132.2	134.0	134.2	133.0	131.8	132.2	139.9	138.6	135.5
Manufacturing	93.3	93.2	92.9	92.4	92.2	92.9	92.7	92.6	93.3	93.4	93.6	94.6	93.8
Durable goods	91.7	91.5	91.0	90.3	89.9	90.7	90.5	90.1	90.6	90.5	90.9	91.9	91.2
Lumber and wood products	98.6	99.3	99.3	98.5	98.7	99.9	100.5	101.4	103.3	103.2	104.1	105.6	104.4
Furniture and fixtures	104.4	103.6	104.9	104.9	105.2	107.1	107.6	107.3	106.3	106.5	108.4	108.4	108.1
Stone, clay, and glass products	87.4	89.2	88.8	88.2	87.9	88.1	88.3	87.3	86.7	87.7	89.7	90.7	89.1
Primary metal industries	65.6	64.7	64.8	62.7	61.8	61.9	61.8	62.2	62.6	62.9	61.9	63.3	63.5
Blast furnaces and basic steel products	53.6	51.8	52.6	51.6	51.7	49.0	48.4	49.7	49.3	49.5	47.9	49.6	53.2
Fabricated metal products	90.2	90.1	89.4	88.9	88.1	88.5	89.4	88.6	89.0	88.8	89.4	90.0	89.3
Machinery, except electrical	89.3	89.4	88.9	88.3	87.0	87.5	85.8	85.3	85.1	84.6	85.6	86.6	86.3
Electrical and electronic equipment	102.9	103.0	102.8	100.6	102.7	103.2	102.9	102.3	102.9	102.9	102.5	103.4	101.6
Transportation equipment	97.1	95.6	94.2	94.9	93.9	95.9	95.9	94.9	96.3	95.6	95.5	97.4	96.4
Motor vehicles and equipment	88.4	85.3	83.4	84.5	82.5	84.8	84.4	82.1	84.6	84.1	85.1	87.1	84.7
Instruments and related products	106.1	106.1	104.5	104.5	103.5	104.5	103.5	104.2	103.9	104.5	103.4	104.2	103.9
Miscellaneous manufacturing	81.8	81.6	81.2	81.7	80.1	80.1	79.9	79.9	81.3	82.5	83.0	83.4	83.1
Nondurable goods	95.7	95.8	95.7	95.6	95.7	96.1	96.0	96.3	97.2	97.6	97.7	98.5	97.8
Food and kindred products	98.4	99.1	99.5	99.9	99.8	100.1	98.9	99.0	100.6	100.1	100.6	101.1	100.7
Tobacco manufactures	85.4	81.6	82.1	79.5	81.5	72.2	76.6	77.5	78.9	78.4	79.1	79.1	82.0
Textile mill products	77.8	78.4	78.4	77.9	78.5	79.6	79.6	79.9	80.7	81.7	81.7	83.5	83.1
Apparel and other textile products	85.4	86.6	85.2	84.8	85.3	85.0	85.6	85.9	86.4	87.6	87.1	88.2	86.6
Paper and allied products	102.0	101.0	101.7	101.7	101.5	101.6	101.2	102.0	102.7	103.7	103.4	103.6	102.3
Printing and publishing	127.4	127.8	127.8	127.6	128.7	128.6	128.9	129.7	130.2	130.8	131.1	132.0	130.6
Chemicals and allied products	93.4	93.2	92.9	93.2	93.2	94.0	93.4	93.7	94.6	93.4	93.9	93.8	93.4
Petroleum and coal products	80.4	80.1	79.7	80.8	79.1	81.3	78.9	79.4	79.6	79.3	81.8	81.2	80.8
Rubber and misc. plastics products	112.7	111.8	111.8	111.7	110.5	112.6	113.4	113.5	114.8	115.2	115.3	116.5	116.1
Leather and leather products	60.9	58.5	57.5	56.8	56.4	56.9	56.6	56.8	57.5	58.9	59.2	60.6	60.5
Service-producing	127.8	127.9	128.2	128.0	128.9	129.2	129.2	129.7	130.7	130.1	130.7	132.0	131.7
Transportation and public utilities	108.2	106.8	106.8	104.3	106.7	105.7	106.6	107.3	108.6	108.2	108.7	109.5	110.1
Wholesale trade	120.1	120.6	120.2	119.0	119.8	120.2	119.3	119.8	119.5	119.2	119.6	120.0	119.8
Retail trade	118.4	118.1	118.5	118.4	119.1	119.3	119.6	119.7	120.8	119.2	120.1	122.3	121.7
Finance, insurance, and real estate	135.6	135.4	135.8	137.6	137.8	139.1	138.7	139.7	141.1	140.7	141.3	141.8	142.3
Services	143.5	144.2	144.8	145.2	145.9	146.4	146.0	146.8	147.9	148.2	148.4	149.7	149.1

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

**C-7. The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, seasonally adjusted**

Industry	1986										1987		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ²	Mar. ²
Hourly Earnings Index²(1977 = 100)													
Total private (in current dollars)	168.5	168.4	168.7	169.2	168.9	169.3	169.6	170.0	170.8	170.6	170.7	171.4	171.8
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	149.2	150.6	151.0	151.4	150.8	151.3	151.2	152.6	154.0	153.9	151.7	151.0	153.5
Manufacturing	171.8	172.0	172.5	172.5	172.7	172.9	172.8	173.1	173.2	173.5	173.4	173.9	174.1
Transportation and public utilities	170.2	169.3	170.1	170.7	170.3	170.1	170.8	170.9	171.2	171.2	171.5	172.5	173.0
Wholesale trade	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Retail trade	157.4	157.3	157.2	157.8	157.7	158.5	159.1	159.1	159.3	159.3	158.4	158.6	158.8
Finance, insurance, and real estate	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Services	174.0	173.1	173.4	174.3	173.4	174.3	174.4	175.3	176.6	175.8	176.9	178.1	178.9
Total private (in constant dollars) ⁴	95.0	95.3	95.3	95.2	95.0	95.1	94.9	95.0	95.3	95.0	94.4	94.4	(⁵)
Average hourly earnings													
Total private	\$8.73	\$8.72	\$8.73	\$8.74	\$8.73	\$8.77	\$8.76	\$8.80	\$8.84	\$8.82	\$8.84	\$8.86	\$8.89
Mining	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Construction	\$12.23	\$12.34	\$12.38	\$12.43	\$12.40	\$12.43	\$12.43	\$12.53	\$12.65	\$12.62	\$12.43	\$12.39	\$12.60
Manufacturing	9.70	9.68	9.72	9.71	9.73	9.76	9.74	9.77	9.77	9.78	9.78	9.82	9.83
Transportation and public utilities	11.65	11.58	11.62	11.63	11.62	11.62	11.64	11.67	11.68	11.65	11.69	11.78	11.82
Wholesale trade	9.36	9.27	9.29	9.35	9.31	9.37	9.35	9.39	9.47	9.43	9.42	9.53	9.54
Retail trade	6.01	5.99	5.99	6.00	6.00	6.03	6.05	6.05	6.07	6.07	6.03	6.01	6.03
Finance, insurance, and real estate	8.27	8.28	8.31	8.40	8.33	8.41	8.37	8.41	8.56	8.44	8.54	8.63	8.64
Services	8.16	8.11	8.12	8.17	8.12	8.16	8.17	8.21	8.28	8.24	8.29	8.34	8.38
Average weekly earnings													
Total private:													
In current dollars	304.68	303.46	303.80	303.28	302.93	305.20	303.97	305.36	307.63	305.17	307.63	310.10	309.37
In constant (1977) dollars ⁴	171.84	171.83	171.54	170.57	170.38	171.46	170.20	170.69	171.57	170.01	170.01	170.85	(⁵)

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Excludes the effects of two types of changes that are unrelated to underlying wage rate movements: Fluctuations in overtime in manufacturing and interindustry employment shifts.

³ These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.

⁴ The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

⁵ Not available.

² = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Alabama	40.6	41.1	41.3	\$8.65	\$8.70	\$8.69	\$351.19	\$357.57	\$358.90
Birmingham	41.9	41.5	41.0	8.87	8.84	8.82	371.65	366.86	361.62
Mobile	40.9	42.0	41.7	10.25	10.16	10.13	419.22	426.72	422.42
Alaska	42.5	32.9	39.6	12.31	13.00	11.72	523.18	427.70	464.11
Arizona	40.9	40.8	40.5	9.86	9.81	9.98	395.09	400.25	404.19
Arkansas	38.7	40.9	40.2	7.70	7.87	7.86	297.99	321.88	315.97
Fayetteville-Springdale	39.5	39.8	40.8	6.83	7.03	6.88	269.79	279.79	280.70
Fort Smith	39.6	40.8	40.2	8.16	8.20	8.18	323.14	334.56	328.84
Little Rock-North Little Rock	37.9	40.8	40.2	8.36	8.37	8.29	316.84	341.50	333.26
Pine Bluff	41.5	43.8	42.7	9.76	10.83	10.63	405.04	474.35	453.90
California	40.0	40.0	40.0	10.25	10.63	10.62	410.00	425.20	424.80
Colorado	39.7	39.8	40.2	9.59	10.00	9.84	380.72	398.00	395.57
Denver	40.1	40.1	40.2	10.25	11.02	10.77	411.03	441.90	432.95
Connecticut	41.5	42.3	42.0	9.89	10.29	10.26	410.44	435.27	430.92
Bridgeport-Milford	40.9	41.7	42.0	10.23	10.63	10.76	418.41	443.27	451.92
Hartford	42.0	42.7	42.3	10.19	10.59	10.58	427.98	452.19	447.53
New Britain	41.9	43.0	43.0	10.24	10.68	10.65	429.06	459.24	457.95
New Haven-Meriden	41.2	41.3	41.5	9.41	10.00	9.98	387.89	413.00	414.17
Stamford	40.1	39.8	40.6	10.23	11.24	11.18	410.22	447.35	453.91
Waterbury	43.4	44.2	42.5	8.32	8.78	8.93	361.09	388.08	379.53
Delaware	41.1	42.9	41.1	10.15	11.29	10.50	417.17	484.34	431.55
Wilmington	41.6	43.9	42.1	11.77	13.46	12.35	489.63	590.89	519.94
District of Columbia:									
Washington MSA	37.3	39.0	40.3	10.34	9.40	9.32	385.68	366.60	375.60
Florida	40.5	40.9	40.5	7.97	8.15	8.12	322.79	333.34	328.86
Fort Lauderdale-Hollywood-Pompano Beach	40.8	42.3	42.5	7.71	7.99	7.95	314.57	337.98	337.88
Jacksonville	40.6	41.7	40.6	8.26	9.03	8.96	337.01	376.55	363.78
Lakeland-Winter Haven	39.7	39.8	40.8	7.51	7.86	7.83	298.15	312.83	319.46
Miami-Hialeah	39.1	38.7	38.7	6.92	7.06	7.12	270.57	273.22	275.54
Orlando	41.4	41.2	41.0	8.27	8.41	8.34	342.38	346.49	341.94
Pensacola	42.9	42.6	42.1	9.70	10.24	10.03	416.13	436.22	422.26
Tampa-St. Petersburg-Clearwater	39.7	40.6	40.0	7.53	7.56	7.58	298.94	306.94	303.20
West Palm Beach-Boca Raton-Delray Beach	44.4	43.6	43.5	8.50	9.06	9.02	377.40	395.02	392.37
Georgia	40.3	41.0	41.2	6.25	8.35	8.38	332.48	342.35	345.26
Atlanta	40.0	39.4	39.8	10.11	10.47	10.36	404.40	412.52	412.33
Savannah	43.0	43.8	43.9	10.49	10.66	10.63	451.07	466.91	466.66
Hawaii	38.4	37.7	39.3	8.82	9.24	9.14	338.69	348.35	359.20
Honolulu	38.7	37.8	39.5	8.99	9.59	9.31	347.91	362.50	367.75
Idaho	36.8	38.5	38.2	9.48	9.76	9.57	348.86	375.76	365.57
Illinois	40.1	41.3	41.4	10.55	10.77	10.80	423.06	444.80	447.12
Aurora-Elgin	38.8	42.1	42.1	9.80	10.12	10.27	380.24	426.05	432.37
Bloomington-Normal	40.3	40.0	40.4	10.58	10.84	10.57	425.57	433.60	427.03
Champaign-Urbana-Rantoul	38.8	39.3	39.3	9.20	9.47	9.25	356.96	372.17	363.53
Chicago	41.3	41.9	42.0	10.34	10.57	10.56	427.04	442.88	443.52
Davenport-Rock Island-Moline	39.7	39.9	40.0	12.39	12.05	12.77	491.88	480.80	510.80
Decatur	41.3	40.7	40.5	13.24	13.80	13.84	546.81	561.66	560.52
Joliet	39.7	40.7	40.9	11.45	11.70	11.64	454.57	476.19	476.08
Kankakee	38.6	41.1	41.1	9.92	10.10	9.93	382.91	415.11	408.12
Lake County	41.3	39.9	40.1	10.19	10.83	10.80	420.85	432.12	433.08
Peoria	43.3	41.4	42.4	12.88	12.79	12.96	557.70	529.51	549.50
Rockford	42.0	44.0	42.6	11.12	11.29	11.19	467.04	496.76	476.69
Springfield	39.5	40.6	39.4	11.67	11.73	11.49	460.97	476.24	452.71

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Indiana	41.3	41.9	41.5	\$10.89	\$10.99	\$10.98	\$449.76	\$460.48	\$455.67
Iowa	40.0	41.0	40.4	10.39	10.16	10.46	415.60	416.56	422.58
Cedar Rapids	39.8	40.4	37.4	11.09	11.39	11.44	441.38	460.16	427.86
Des Moines	40.0	41.4	41.8	11.58	11.22	11.44	463.20	464.51	478.19
Dubuque	39.9	41.1	41.3	11.66	9.10	11.87	465.23	374.01	490.23
Sioux City	38.2	39.0	39.0	8.35	8.83	8.90	318.97	344.37	347.10
Kansas	39.8	40.3	40.7	9.58	9.85	10.05	381.28	396.96	409.04
Topeka	41.0	41.2	41.4	11.30	11.07	10.87	463.30	456.08	450.02
Wichita	38.3	37.2	38.8	9.77	10.80	10.96	374.19	401.76	425.25
Kentucky	37.8	39.9	39.9	9.67	9.74	9.90	365.53	388.63	395.01
Lexington-Fayette	36.8	37.4	37.3	10.45	10.53	10.65	384.56	393.82	397.25
Louisville	39.4	40.8	40.7	10.75	11.05	11.17	423.55	450.84	454.62
Louisiana	41.0	41.5	42.0	10.69	10.72	10.82	438.29	444.88	454.44
Baton Rouge	43.4	41.2	40.4	12.60	12.33	12.35	546.84	508.00	498.94
New Orleans	38.9	40.8	41.9	10.90	10.76	10.66	424.01	439.01	446.65
Shreveport	40.1	40.7	40.1	10.97	11.35	11.12	439.90	461.95	445.91
Maine	40.3	40.9	41.2	8.59	8.78	8.72	346.18	359.10	359.26
Lewiston-Auburn	(¹)	39.6	40.3	(¹)	7.27	7.39	(¹)	287.89	297.82
Portland	39.5	39.1	38.4	9.03	9.31	9.41	356.69	364.02	361.34
Maryland	39.8	40.4	40.4	10.00	10.10	10.02	396.00	408.04	404.61
Baltimore MSA	41.0	41.2	40.7	10.51	10.75	10.64	430.91	442.90	433.05
Massachusetts	41.3	40.6	40.2	9.01	9.51	9.61	372.11	386.11	386.32
Boston	40.3	40.6	40.4	9.85	10.40	10.49	396.96	422.24	423.80
Springfield	41.8	42.6	42.2	8.95	9.00	9.00	374.11	383.40	379.80
Worcester	39.9	40.1	40.4	9.30	9.52	9.53	371.07	381.75	385.01
Michigan	43.2	42.9	42.9	12.79	12.89	12.92	552.53	552.98	554.27
Ann Arbor	44.3	46.6	45.8	13.71	14.33	14.18	607.35	667.78	649.44
Battle Creek	41.3	42.0	43.6	13.19	14.49	13.88	544.75	608.58	605.17
Detroit	44.1	43.9	44.2	13.72	13.80	13.80	605.05	605.82	609.96
Flint	45.6	43.1	43.6	14.46	14.75	14.83	659.38	635.72	646.59
Grand Rapids	40.6	40.5	40.7	10.50	10.99	11.03	426.30	445.09	448.92
Jackson	41.4	43.2	42.6	10.29	10.14	10.00	426.01	438.05	426.00
Kalamazoo	43.8	43.5	43.6	11.85	11.98	11.99	519.03	520.26	522.76
Lansing-East Lansing	42.0	43.1	43.2	14.49	14.09	14.27	608.58	607.28	616.46
Muskegon	40.9	41.7	40.6	11.44	11.72	11.54	467.90	488.72	468.52
Saginaw-Bay City-Midland	44.7	43.5	43.0	13.89	14.24	14.38	820.88	619.44	618.34
Minnesota	40.3	40.6	40.3	10.21	10.39	10.36	411.46	421.83	417.51
Duluth	37.3	37.1	36.7	10.74	10.68	10.76	400.60	396.23	394.89
Minneapolis-St. Paul	40.8	40.7	40.3	10.98	11.16	11.12	447.98	454.21	448.14
St. Cloud	39.5	37.8	38.8	9.47	8.92	8.93	374.07	337.18	346.48
Mississippi	39.4	40.0	40.2	7.42	7.59	7.56	292.35	303.60	303.91
Jackson	40.0	40.0	40.3	8.35	8.55	8.54	334.00	342.00	344.16
Missouri	40.3	40.1	40.2	9.87	9.86	9.86	397.76	395.39	396.37
Kansas City	39.9	39.3	39.3	11.20	11.10	11.09	446.88	436.23	435.84
St. Joseph	39.6	41.1	40.0	9.32	9.77	9.99	369.07	401.55	399.60
St. Louis	40.5	41.3	42.0	11.35	11.42	11.39	459.68	471.65	478.38
Springfield	38.7	39.4	39.3	9.04	8.65	8.79	349.85	340.81	345.45
Montana	39.5	38.7	37.6	11.11	10.71	10.40	438.85	414.48	391.04
Nebraska	39.7	41.2	40.0	9.24	9.40	9.33	366.83	387.28	373.20
Lincoln	39.6	41.2	41.3	9.63	9.78	9.76	381.35	402.94	403.09
Omaha	40.4	40.8	40.1	9.80	10.10	9.93	395.92	410.06	398.19
Nevada	38.8	40.6	39.8	9.01	9.68	9.69	349.59	393.01	385.66
Las Vegas	35.8	40.7	40.0	11.09	11.77	12.04	397.02	479.04	481.60

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
New Hampshire	41.1	41.7	41.5	\$8.56	\$9.01	\$9.03	\$351.82	\$375.72	\$374.75
Nashua	41.3	42.3	41.8	9.90	11.09	11.15	408.87	469.11	466.07
New Jersey	40.8	41.3	41.2	10.06	10.32	10.31	408.44	426.22	424.77
New Mexico	37.9	38.4	39.8	8.59	8.61	8.39	325.56	330.62	333.92
Albuquerque	39.1	39.0	40.1	8.67	8.94	9.24	339.00	348.66	370.52
New York	39.5	40.0	40.0	9.93	10.05	10.09	392.24	402.00	403.60
Albany-Schenectady-Troy	41.2	39.9	39.9	10.03	10.45	10.57	413.24	418.96	421.74
Binghamton	39.9	40.1	40.9	8.89	9.15	8.99	354.71	366.92	387.69
Buffalo	42.8	41.9	42.3	12.32	12.01	12.00	527.30	503.22	507.60
Elmira	40.8	40.6	40.6	9.44	9.48	9.58	385.15	384.89	388.95
Glens Falls	41.1	(¹)	(¹)	9.62	(¹)	(¹)	395.38	(¹)	(¹)
Nassau-Suffolk	39.5	40.4	39.9	9.88	10.25	10.42	390.26	414.10	415.76
New York PMSA	36.9	37.6	37.7	9.14	9.40	9.48	337.27	353.44	357.40
New York City	36.5	37.3	37.3	8.95	9.25	9.34	326.68	345.03	348.38
Niagara Falls	41.6	41.5	41.4	12.60	12.78	12.96	524.16	530.37	536.54
Orange County	37.7	39.3	39.7	7.85	8.01	7.78	295.95	314.79	308.87
Poughkeepsie	42.0	42.8	41.9	8.72	9.09	9.20	366.24	389.05	385.48
Rochester	41.7	41.8	42.0	12.06	11.96	12.03	502.90	499.93	505.26
Rockland County	41.0	41.8	40.6	9.72	9.92	9.97	398.52	414.66	404.78
Syracuse	40.3	41.0	41.3	10.97	11.33	11.08	442.09	464.53	457.60
Utica-Rome	40.9	42.9	41.5	9.23	9.54	9.50	377.51	409.27	394.25
Westchester County	38.3	38.8	39.1	10.44	10.39	10.47	399.85	403.13	409.38
North Carolina	39.8	40.7	40.8	7.44	7.73	7.74	296.11	314.61	315.79
Asheville	39.7	41.2	40.3	7.56	7.71	7.79	300.13	317.65	313.94
Charlotte-Gastonia-Rock Hill	40.4	41.5	41.6	7.61	7.97	7.95	307.44	330.76	332.31
Greensboro-Winston-Salem-High Point	39.2	39.9	40.2	8.12	8.57	8.56	318.30	341.94	344.11
Raleigh-Durham	40.7	41.7	41.4	8.43	8.73	8.71	343.10	364.04	360.59
North Dakota	37.6	37.8	37.9	8.06	8.24	8.20	303.06	311.47	310.78
Fargo-Moorhead	37.6	37.0	36.2	8.36	8.52	8.36	314.34	315.24	302.63
Ohio	42.2	42.7	42.4	11.58	11.77	11.79	488.68	502.58	499.90
Akron	43.1	43.1	42.9	11.13	11.36	11.48	479.70	489.62	492.49
Canton	40.4	42.2	42.2	11.13	11.45	11.39	449.65	483.19	480.86
Cincinnati	41.3	42.3	42.3	10.78	10.84	11.02	445.21	458.53	486.15
Cleveland	41.9	43.1	42.5	11.39	11.69	11.68	477.24	503.64	496.40
Columbus	41.0	41.2	40.8	11.06	11.46	11.36	453.46	472.15	463.49
Dayton-Springfield	43.8	42.0	42.0	12.16	11.91	11.97	532.61	500.22	502.74
Toledo	42.9	43.5	43.1	12.51	12.75	12.69	536.68	554.63	546.94
Youngstown-Warren	42.2	42.8	42.3	13.51	13.49	13.36	570.12	577.37	565.13
Oklahoma	40.5	41.0	41.5	9.92	9.85	9.77	401.76	403.85	405.46
Oklahoma City	39.9	39.5	40.5	10.81	11.01	10.98	431.32	434.90	444.69
Tulsa	36.9	40.2	40.5	10.45	10.56	10.58	406.51	425.32	428.49
Oregon	38.7	38.9	39.5	10.68	10.60	10.59	413.32	412.34	416.31
Eugene-Springfield	40.1	39.6	41.3	10.95	10.44	10.45	439.10	413.42	431.59
Portland	38.2	38.9	38.3	10.66	11.00	10.94	415.62	427.90	419.00
Salem	36.8	36.0	37.4	9.60	9.54	9.40	353.28	343.44	351.56

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Pennsylvania	39.5	40.6	40.6	\$9.73	\$9.84	\$9.86	\$384.34	\$399.50	\$400.32
Allentown-Bethlehem	37.6	38.8	39.0	10.13	10.25	10.21	380.89	397.70	398.19
Altoona	38.5	39.0	38.8	8.45	8.99	8.79	325.33	350.61	341.05
Beaver County	41.3	41.4	42.4	12.02	11.08	11.05	496.43	458.71	468.52
Erie	42.0	41.6	41.5	10.24	10.18	10.20	430.08	423.49	423.30
Harrisburg-Lebanon-Carlisle	38.7	40.2	39.8	9.32	9.29	9.34	360.68	373.46	371.73
Johnstown	36.1	37.5	38.4	8.37	8.36	8.35	302.16	313.50	320.64
Lancaster	38.5	40.5	40.3	9.36	9.70	9.62	360.36	392.85	387.69
Philadelphia PMSA	39.8	40.9	40.4	10.40	10.65	10.64	413.92	435.59	429.86
Pittsburgh	41.4	41.3	41.3	11.20	11.00	11.02	463.68	454.30	455.13
Reading	39.3	41.7	40.8	9.87	9.97	9.91	387.89	415.75	404.33
Scranton-Wilkes-Barre	37.9	38.6	38.6	8.46	8.58	8.61	320.63	331.19	332.35
Sharon	40.2	39.9	38.9	11.41	11.34	11.03	458.68	452.47	429.07
State College	38.8	39.6	40.2	8.09	8.17	8.25	313.89	323.53	331.65
Williamsport	40.0	40.7	40.1	8.68	8.63	8.60	347.20	351.24	344.86
York	41.3	42.1	42.3	9.12	9.22	9.29	376.66	388.16	392.97
Rhode Island	40.3	40.8	40.6	7.81	8.11	8.15	314.74	330.89	330.89
Pawtucket-Woonsocket-Attleboro	40.5	41.5	40.8	7.32	7.59	7.63	296.46	314.99	311.30
Providence	39.7	40.3	40.2	7.80	8.05	8.08	309.66	324.42	324.82
South Carolina	40.7	41.8	41.7	7.84	8.04	8.05	319.09	336.07	335.68
Charleston	41.6	42.8	42.6	9.15	9.27	9.20	380.64	396.76	391.92
Columbia	40.3	41.6	41.2	7.60	7.84	7.81	306.28	326.14	321.77
Greenville-Spartanburg	40.5	41.8	41.8	7.64	7.94	7.97	309.42	331.89	333.15
South Dakota	40.0	42.1	41.9	7.58	8.05	8.04	303.20	338.91	336.88
Sioux Falls	40.8	45.7	43.4	7.87	8.30	8.07	321.10	379.31	350.24
Tennessee	39.5	41.4	41.6	8.49	8.80	8.85	335.36	364.32	368.16
Chattanooga	41.9	43.2	42.1	7.42	7.89	7.97	310.90	340.85	335.54
Johnson City-Kingsport-Bristol	44.0	43.0	42.6	8.96	9.00	8.94	394.24	387.00	380.84
Knoxville	37.5	39.5	39.5	8.96	8.93	8.78	336.00	352.74	346.81
Memphis	41.8	42.4	41.5	8.75	8.89	8.93	365.75	376.94	370.60
Nashville	36.4	40.0	40.3	9.35	9.88	10.14	340.34	395.20	408.64
Texas	40.8	41.3	41.1	9.60	9.75	9.73	391.68	402.68	399.90
Dallas	40.8	41.9	41.6	9.45	9.52	9.49	385.56	398.89	394.78
Ft. Worth-Arlington	41.2	41.1	42.3	9.64	9.76	9.95	397.17	401.14	420.89
Houston	41.6	43.3	43.4	11.14	11.17	11.10	463.42	483.66	481.74
San Antonio	41.4	41.0	41.8	7.22	7.50	7.39	298.91	307.50	308.90
Utah	39.8	38.6	38.8	10.13	9.92	9.85	403.17	382.91	382.18
Salt Lake City-Ogden	40.5	40.2	39.7	9.66	9.84	9.87	391.23	395.57	391.84
Vermont	40.1	40.7	40.5	8.67	9.01	8.98	347.67	366.71	363.69
Burlington	42.3	42.0	41.8	9.42	9.98	9.96	398.47	419.16	416.33
Virginia	39.6	40.6	40.3	8.73	9.06	9.06	345.71	367.84	365.12
Bristol	39.6	41.0	42.4	7.33	7.47	7.55	290.27	306.27	320.12
Charlottesville	38.6	41.3	41.7	7.38	7.48	7.50	284.87	308.92	312.75
Danville	38.6	41.1	42.4	8.10	8.47	8.17	312.66	348.12	346.41
Lynchburg	39.4	41.4	40.8	8.33	8.50	8.59	328.20	351.90	350.47
Northern Virginia	39.8	40.6	39.8	9.05	9.55	9.81	360.19	387.73	390.44
Richmond-Petersburg	40.5	40.8	40.7	11.07	11.30	11.44	448.34	461.04	465.61
Roanoke	39.8	40.6	41.2	7.99	8.65	8.55	318.00	351.19	352.26

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Washington	39.2	39.9	40.3	\$11.79	\$11.74	\$11.71	\$462.17	\$468.43	\$471.91
West Virginia	40.2	39.7	40.2	10.29	10.49	10.42	413.66	416.45	418.88
Charleston	42.2	41.7	41.4	12.52	13.10	12.96	528.34	546.27	536.54
Huntington-Ashland	38.4	39.2	39.5	10.78	11.66	11.63	413.95	457.07	459.39
Parkersburg-Marietta	42.1	40.1	40.3	11.98	12.33	12.27	504.36	494.43	494.48
Wheeling	38.8	40.5	39.3	11.40	10.93	11.10	440.04	442.67	436.23
Wisconsin	41.1	41.3	41.2	10.39	10.58	10.59	427.03	436.95	436.31
Appleton-Oshkosh	42.2	42.5	42.3	10.21	10.67	10.71	430.86	453.48	453.03
Eau Claire	40.1	40.6	39.5	10.28	10.47	10.55	412.23	425.08	416.73
Green Bay	42.1	41.3	41.8	11.43	11.41	11.37	481.20	471.23	475.27
Janesville-Beloit	40.2	39.0	39.1	12.14	12.06	11.98	488.03	470.34	468.42
Kenosha	39.7	41.1	37.9	10.35	11.72	11.66	410.90	481.69	441.91
La Crosse	39.4	39.9	40.1	8.99	8.99	9.22	354.21	358.70	369.72
Madison	40.2	40.4	40.0	9.45	9.88	9.87	379.89	399.15	394.80
Milwaukee	41.0	41.4	41.6	11.68	11.83	11.85	478.88	489.76	492.96
Racine	39.7	42.4	40.9	10.84	10.81	10.95	430.35	458.34	447.86
Sheboygan	39.8	41.5	41.8	9.52	9.68	9.76	378.90	401.72	407.97
Wausau	40.2	42.4	41.6	9.89	9.89	9.90	397.58	419.34	411.84
Wyoming	38.8	39.1	37.8	9.71	9.77	9.77	376.75	382.01	369.31
Puerto Rico	39.2	39.4	39.3	5.27	5.44	5.39	206.58	214.34	211.83
Virgin Islands	41.9	41.2	42.3	9.98	9.86	9.78	418.16	406.23	413.69

¹ Not available.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this

publication. All State and area data have been adjusted to March 1986 benchmarks.

C-9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted

Industry	Millions of hours (annual rate) ¹			Percent change		
	Jan. 1987 ^r	Feb. 1987 ^r	Mar. 1987 ^p	Mar. 1986 to Mar. 1987 ^p	Jan. 1987 to Feb. 1987 ^r	Feb. 1987 to Mar. 1987 ^p
Total	189,252	190,753	190,101	2.5	0.8	-0.3
Private sector	155,507	156,756	156,153	2.5	.8	-.4
Mining	1,646	1,623	1,608	-14.9	-1.4	-.9
Construction	10,253	10,179	9,974	7.5	-.7	-2.0
Manufacturing	40,774	41,052	40,753	.0	.7	-.7
Durable goods	24,245	24,454	24,230	-.9	.9	-.9
Nondurable goods	16,529	16,598	16,523	1.5	.4	-.5
Transportation and public utilities	10,947	11,031	11,072	1.9	.8	.4
Wholesale trade	11,680	11,744	11,700	.1	.5	-.4
Retail trade	27,606	28,132	28,013	2.9	1.9	-.4
Finance, insurance, and real estate	12,334	12,389	12,407	5.1	.4	.1
Services	40,267	40,607	40,625	4.6	.8	.0
Government	33,745	33,997	33,948	2.6	.7	-.1

¹ Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

^p = preliminary.

^r = revised.

NOTE: 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*, BLS Bulletin 2134-1, chapter 13, Productivity Measures: Business Economy and Major Sectors.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted

(1977=100)

Item	Annual average		Quarterly index										
	1985	1986	1984			1985				1986			
			II	III	IV	I	II	III	IV	I	II	III	IV
Business sector													
Output per hour of all persons	106.4	107.1	105.6	105.5	105.5	105.7	106.4	107.3	106.4	107.3	107.4	107.3	106.6
Output	122.7	125.8	119.0	119.5	120.2	121.3	122.3	123.5	123.8	125.3	125.4	126.0	126.5
Hours	115.3	117.5	112.7	113.3	114.0	114.8	115.0	115.2	116.4	116.8	116.7	117.4	118.7
Compensation per hour	175.3	180.9	167.1	169.0	170.6	172.3	174.5	176.4	178.0	179.1	180.4	181.7	182.6
Real compensation per hour	98.8	100.0	97.9	98.1	98.2	98.4	98.6	99.0	99.0	99.2	100.2	100.4	100.2
Unit labor costs	164.8	168.9	158.3	160.2	161.7	163.1	164.0	164.4	167.3	167.0	168.0	169.3	171.4
Unit nonlabor payments	159.7	161.6	156.7	157.0	157.7	158.3	160.0	161.4	159.6	162.2	161.9	163.4	159.1
Implicit price deflator	163.0	166.3	157.7	159.0	160.3	161.4	162.6	163.4	164.6	165.3	165.8	167.2	167.0
Nonfarm business sector													
Output per hour of all persons	104.8	105.5	104.6	104.4	104.3	104.4	104.9	105.4	104.5	105.6	105.7	105.7	105.1
Output	122.5	125.8	119.1	119.5	120.2	121.1	122.1	123.3	123.6	125.1	125.3	126.1	126.7
Hours	116.9	119.3	113.8	114.5	115.2	116.0	116.4	116.9	118.2	118.5	118.5	119.4	120.6
Compensation per hour	174.6	179.9	166.9	168.7	170.4	172.1	174.0	175.4	177.0	178.3	179.3	180.4	181.6
Real compensation per hour	98.4	99.4	97.8	97.9	98.1	98.3	98.3	98.5	98.4	98.8	99.7	99.6	99.6
Unit labor costs	166.7	170.5	159.5	161.5	163.3	164.8	165.9	166.3	169.3	168.8	169.6	170.7	172.8
Unit nonlabor payments	160.6	163.7	156.4	157.2	157.9	158.9	160.8	163.0	160.3	163.9	163.7	165.9	161.4
Implicit price deflator	164.6	168.1	158.4	160.0	161.4	162.7	164.1	165.2	166.2	167.1	167.5	169.0	168.8
Manufacturing													
Output per hour of all persons	121.7	125.0	115.7	117.8	118.2	119.3	121.7	123.0	122.9	123.7	124.7	125.8	125.8
Output	120.4	123.4	115.3	117.4	117.9	118.8	119.9	121.2	121.9	122.8	122.7	123.6	124.6
Hours	98.9	98.7	99.7	99.7	99.7	99.6	98.5	98.5	99.1	99.3	98.4	98.2	99.0
Compensation per hour	176.7	181.9	166.8	169.1	171.5	173.8	175.6	178.1	179.3	180.2	181.4	182.5	183.5
Real compensation per hour	99.5	100.5	97.7	98.1	98.7	99.2	99.2	100.0	99.7	99.8	100.8	100.8	100.7
Unit labor costs	145.1	145.5	144.2	143.5	145.1	145.7	144.3	144.8	145.8	145.7	145.5	145.1	145.9
Durable goods													
Output per hour of all persons	124.6	127.9	115.4	118.3	119.1	121.4	124.4	126.3	126.4	127.1	127.4	128.6	128.7
Output	124.7	126.5	115.6	119.1	120.5	122.6	124.1	125.6	126.4	126.9	125.7	126.2	127.2
Hours	100.1	98.9	100.2	100.7	101.2	100.9	99.8	99.5	100.0	99.9	98.7	98.2	98.8
Compensation per hour	174.9	180.7	165.3	167.2	169.4	172.0	173.2	176.5	178.0	178.9	180.2	181.3	182.6
Real compensation per hour	98.5	99.9	96.8	97.1	97.5	98.2	97.8	99.1	99.0	99.1	100.1	100.1	100.2
Unit labor costs	140.3	141.3	143.3	141.4	142.3	141.6	139.2	139.8	140.8	140.8	141.4	141.0	141.8
Nondurable goods													
Output per hour of all persons	117.3	120.6	116.1	117.0	116.8	116.0	117.5	118.0	117.6	118.6	120.7	121.7	121.4
Output	114.1	118.7	114.9	114.8	114.0	113.2	113.6	114.5	115.1	116.7	118.2	119.6	120.6
Hours	97.3	98.5	99.0	98.1	97.6	97.6	96.7	97.0	97.9	98.3	97.9	98.2	99.3
Compensation per hour	179.4	183.9	169.2	171.9	174.6	176.5	179.4	180.4	181.3	182.2	183.5	184.8	185.0
Real compensation per hour	101.0	101.6	99.1	99.8	100.5	100.8	101.3	101.3	100.8	100.9	102.0	102.1	101.6
Unit labor costs	152.9	152.5	145.7	146.9	149.4	152.1	152.7	152.8	154.1	153.6	152.1	151.8	152.5
Nonfinancial corporations ¹													
Output per all-employee hour	106.8	106.9	105.9	105.5	105.8	106.0	106.5	107.8	107.0	106.9	106.8	106.9	(²)
Output	124.8	127.1	120.5	120.9	122.1	123.1	124.2	126.0	126.1	126.9	126.6	127.0	(²)
Hours	116.9	118.9	113.7	114.6	115.5	116.1	116.6	116.8	117.8	118.7	118.5	118.8	(²)
Compensation per hour	172.3	176.5	164.8	166.6	168.3	169.9	171.6	173.1	174.5	175.4	176.1	176.8	(²)
Real compensation per hour	97.0	97.5	96.5	96.7	96.9	97.0	96.9	97.2	97.0	97.1	97.8	97.7	(²)
Total unit costs	165.8	169.2	160.1	162.6	163.8	164.9	165.8	165.0	167.2	168.3	168.6	169.8	(²)
Unit labor costs	161.2	165.1	155.7	157.9	159.1	160.3	161.1	160.5	163.0	164.0	164.8	165.4	(²)
Unit nonlabor costs	179.1	181.3	173.1	176.4	177.5	178.5	179.8	178.3	179.8	181.1	179.9	182.6	(²)
Unit profits	133.1	133.2	138.5	130.3	130.5	129.3	130.2	141.7	131.2	131.7	132.3	135.8	(²)
Implicit price deflator	161.8	164.9	157.5	158.7	159.8	160.6	161.6	162.2	162.9	164.0	164.3	165.7	(²)

¹ The 1986 measures for nonfinancial corporations are preliminary.
² Not available.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	III 1985	IV 1985	I 1986	II 1986	III 1986	IV 1986	III 1985	IV 1985	I 1986	II 1986	III 1986	IV 1986
Business sector												
Output per hour of all persons	3.4	-3.2	3.3	0.5	-0.4	-2.8	1.7	0.9	1.5	1.0	0.0	0.1
Output	4.1	1.0	4.7	.3	2.0	1.7	3.4	3.0	3.3	2.5	2.0	2.2
Hours .....	.7	4.3	1.4	-2	2.4	4.6	1.7	2.1	1.8	1.6	2.0	2.0
Compensation per hour	4.4	3.8	2.5	2.8	2.9	2.1	4.4	4.4	3.9	3.4	3.0	2.6
Real compensation per hour	2.0	-.1	.9	4.2	.4	-.6	1.0	.8	.8	1.7	1.3	1.2
Unit labor costs	1.0	7.2	-.7	2.3	3.3	5.0	2.6	3.4	2.4	2.4	3.0	2.4
Unit nonlabor payments	3.7	-4.3	6.6	-.7	3.7	-10.2	2.8	1.2	2.5	1.2	1.2	-.3
Implicit price deflator	1.9	3.0	1.8	1.2	3.4	-.5	2.7	2.7	2.4	2.0	2.4	1.5
Nonfarm business sector												
Output per hour of all persons	2.2	-3.5	4.3	.5	-.3	-2.2	1.0	.2	1.2	.8	.2	.5
Output	4.0	1.0	5.1	.6	2.6	1.9	3.1	2.8	3.3	2.7	2.3	2.5
Hours	1.8	4.6	.8	.1	2.9	4.3	2.1	2.6	2.1	1.8	2.1	2.0
Compensation per hour	3.2	3.7	3.1	2.3	2.3	2.7	4.0	3.9	3.6	3.1	2.8	2.6
Real compensation per hour .....	.9	-.2	1.5	3.6	-.1	.0	.6	.3	.5	1.4	1.2	1.2
Unit labor costs	1.0	7.4	-1.2	1.8	2.6	5.1	3.0	3.7	2.5	2.2	2.6	2.1
Unit nonlabor payments	5.7	-6.6	9.3	-.6	5.5	-10.2	3.7	1.5	3.1	1.8	1.7	.7
Implicit price deflator	2.6	2.4	2.3	1.0	3.6	-.4	3.2	2.9	2.7	2.1	2.3	1.6
Manufacturing												
Output per hour of all persons	4.4	-.3	2.6	3.2	3.6	-.1	4.4	4.0	3.7	2.5	2.3	2.3
Output	4.3	2.4	3.0	-.4	2.9	3.3	3.2	3.4	3.4	2.3	2.0	2.2
Hours	-.1	2.7	.4	-3.5	-.6	3.4	-1.2	-.6	-.3	-.2	-.3	-.1
Compensation per hour	5.6	2.8	2.1	2.7	2.4	2.1	5.3	4.5	3.7	3.3	2.5	2.3
Real compensation per hour	3.2	-1.1	.5	4.1	.0	-.6	1.9	1.0	.6	1.6	.8	1.0
Unit labor costs	1.2	3.0	-.5	-.5	-1.1	2.2	.9	.5	.0	.8	.2	.0
Durable goods												
Output per hour of all persons	6.1	.5	2.1	1.0	3.7	.6	6.8	6.2	4.7	2.4	1.8	1.8
Output	4.9	2.7	1.5	-3.8	1.8	3.2	5.4	5.0	3.5	1.3	.5	.6
Hours	-1.1	2.2	-.6	-4.8	-1.8	2.5	-1.2	-1.1	-1.1	-1.1	-1.3	-1.2
Compensation per hour	7.8	3.3	2.2	2.8	2.5	3.0	5.6	5.0	4.1	4.0	2.7	2.6
Real compensation per hour	5.4	-.5	.6	4.1	.0	.4	2.1	1.5	.9	2.4	1.0	1.3
Unit labor costs	1.6	2.8	.1	1.7	-1.2	2.4	-1.1	-1.1	-.6	1.6	.9	.8
Nondurable goods												
Output per hour of all persons	1.8	-1.4	3.5	7.0	3.6	-1.2	.9	.7	2.2	2.7	3.1	3.2
Output	3.3	1.9	5.6	5.3	4.8	3.4	-.3	1.0	3.1	4.0	4.4	4.8
Hours	1.5	3.4	2.0	-1.6	1.2	4.6	-1.1	.3	.8	1.3	1.2	1.5
Compensation per hour	2.1	1.9	2.2	2.9	2.7	.6	4.9	3.8	3.3	2.3	2.4	2.1
Real compensation per hour	-.2	-1.9	.6	4.2	.3	-2.0	1.5	.3	.2	.6	.8	.7
Unit labor costs .....	.3	3.4	-1.3	-3.9	-.9	1.9	4.0	3.1	1.0	-.4	-.7	-1.1
Nonfinancial corporations¹												
Output per all-employee hour	4.9	-2.8	-.5	-.3	.2	(²)	2.2	1.2	.9	.3	-.9	(²)
Output	5.9	.5	2.6	-1.1	1.3	(²)	4.2	3.3	3.2	2.0	.8	(²)
Hours	1.0	3.4	3.1	-.8	1.2	(²)	2.0	2.1	2.2	1.7	1.7	(²)
Compensation per hour	3.4	3.3	2.0	1.6	1.8	(²)	3.9	3.7	3.2	2.6	2.2	(²)
Real compensation per hour	1.1	-.5	.4	2.9	-.6	(²)	.5	.2	.1	1.0	.5	(²)
Total unit costs	-1.9	5.5	2.7	.6	2.8	(²)	1.5	2.1	2.1	1.7	2.9	(²)
Unit labor costs	-1.4	6.3	2.5	1.9	1.6	(²)	1.6	2.4	2.3	2.3	3.1	(²)
Unit nonlabor costs	-3.3	3.3	3.1	-2.7	6.1	(²)	1.1	1.3	1.5	.0	2.4	(²)
Unit profits	40.1	-26.4	1.3	2.0	11.0	(²)	8.7	.6	1.8	1.6	-4.2	(²)
Implicit price deflator	1.7	1.7	2.5	.7	3.6	(²)	2.2	2.0	2.1	1.7	2.1	(²)

¹ The 1986 measures for nonfinancial corporations are preliminary.

² Not available.

SOURCE: Office of Productivity and Technology (202 523 9261).

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

D-1. Labor force status by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Alabama	1,835.8	1,869.7	1,865.7	181.2	188.1	184.3	9.9	10.1	9.9
Birmingham	430.3	440.2	439.7	34.1	38.8	38.5	7.9	8.8	8.7
Huntsville	121.5	126.6	126.5	8.0	8.8	8.7	6.6	7.0	6.8
Mobile	205.8	210.1	209.7	21.6	23.6	23.2	10.5	11.2	11.1
Montgomery	129.9	134.4	134.2	9.4	10.3	10.1	7.3	7.6	7.5
Tuscaloosa	67.1	69.2	69.1	5.1	5.3	5.2	7.6	7.6	7.5
Alaska	246.9	236.4	242.9	29.8	27.6	29.0	12.1	11.7	12.0
Arizona	1,545.6	1,607.6	1,608.5	103.2	126.8	125.5	6.7	7.9	7.8
Phoenix	961.9	997.6	994.9	52.4	66.7	65.3	5.4	6.7	6.6
Tucson	303.1	308.6	310.9	16.4	20.7	20.7	5.4	6.7	6.7
Arkansas	1,044.9	1,058.4	1,064.0	105.0	101.2	98.2	10.0	9.6	9.2
Fayetteville-Springdale	53.4	53.9	54.5	3.1	2.8	2.3	5.9	5.2	4.3
Fort Smith	84.7	87.2	87.6	6.7	6.0	6.1	7.9	6.9	7.0
Little Rock-North Little Rock	245.5	253.7	253.8	16.8	18.9	18.7	6.8	7.5	7.4
Pine Bluff	36.1	36.3	36.8	3.1	3.9	3.8	8.6	10.6	10.4
California¹	13,187.9	13,381.7	13,563.0	1,018.7	917.3	908.6	7.7	6.9	6.7
Anaheim-Santa Ana	1,232.8	1,277.0	1,300.4	54.5	52.5	45.8	4.4	4.1	3.5
Bakersfield	224.4	225.2	223.9	30.2	29.9	29.0	13.4	13.3	13.0
Fresno	280.9	292.1	290.3	45.2	40.7	40.4	16.1	13.9	13.9
Los Angeles-Long Beach ¹	4,029.0	4,077.0	4,152.0	289.0	230.0	277.0	7.2	5.6	6.7
Modesto	142.8	145.3	148.7	25.2	22.9	22.7	17.7	15.7	15.3
Oakland	1,007.4	1,023.4	1,034.8	68.4	64.5	56.9	6.8	6.3	5.5
Oxnard-Ventura	318.1	326.1	330.4	23.6	23.6	20.3	7.4	7.2	6.1
Riverside-San Bernardino	838.3	867.9	878.9	58.8	56.9	51.4	7.0	6.6	5.8
Sacramento	635.3	647.3	654.4	49.0	46.6	43.1	7.7	7.2	6.6
Salinas-Seaside-Monterey	147.9	151.6	152.0	21.9	22.2	20.3	14.8	14.6	13.3
San Diego	1,003.9	1,022.3	1,035.7	52.9	56.4	49.1	5.3	5.5	4.7
San Francisco	869.1	862.2	868.3	44.6	41.7	36.3	5.1	4.8	4.2
San Jose	807.4	797.8	806.9	55.1	48.2	42.9	6.8	6.0	5.3
Santa Barbara-Santa Maria-Lompoc	177.6	176.5	179.2	10.8	10.8	10.0	6.1	6.1	5.6
Santa Rosa-Petaluma	176.9	178.2	180.2	13.4	11.3	10.8	7.6	6.3	6.0
Stockton	178.6	180.7	183.1	26.9	24.3	23.5	15.1	13.4	12.8
Vallejo-Fairfield-Napa	174.0	180.2	182.3	13.8	14.0	12.5	7.9	7.8	6.9
Colorado	1,683.3	1,703.7	1,698.5	129.2	158.8	163.4	7.7	9.3	9.6
Boulder-Longmont	128.7	131.4	131.3	8.4	9.4	9.4	6.5	7.2	7.1
Denver	891.5	906.4	902.4	57.3	76.4	78.5	6.4	8.4	8.7
Connecticut	1,699.8	1,723.6	1,716.1	79.9	68.3	68.9	4.7	4.0	4.0
Bridgeport-Milford	226.3	227.8	226.7	12.6	11.3	11.6	5.6	5.0	5.1
Hartford	407.8	419.9	417.7	17.2	14.8	14.9	4.2	3.5	3.6
New Britain	74.1	73.5	73.6	4.1	3.5	3.5	5.5	4.8	4.7
New Haven-Meriden	264.7	264.3	263.9	12.3	9.6	9.9	4.6	3.6	3.7
Stamford	112.5	116.5	115.4	3.7	3.1	3.1	3.3	2.6	2.7
Waterbury	101.1	101.6	100.9	7.0	5.6	5.8	6.9	5.5	5.8
Delaware	311.0	323.0	324.9	18.6	12.1	11.4	6.0	3.7	3.5
Wilmington	273.7	281.4	282.9	18.2	12.3	12.6	6.6	4.4	4.5
District of Columbia	321.1	326.6	330.5	26.0	26.0	26.3	8.1	8.0	7.9
Washington	1,984.3	2,048.9	2,051.4	75.1	78.9	81.0	3.8	3.9	4.0
Florida¹	5,390.5	5,665.9	5,722.0	289.8	327.5	299.7	5.4	5.8	5.2
Daytona Beach	133.6	140.5	144.0	6.1	7.7	7.1	4.6	5.5	5.0
Fort Lauderdale-Hollywood-Pompano Beach	565.6	590.2	597.1	25.1	27.1	24.2	4.4	4.6	4.1
Fort Myers-Cape Coral	118.7	131.3	134.6	5.0	5.3	4.9	4.2	4.1	3.6
Gainesville	96.9	101.3	102.5	3.4	3.7	4.0	3.5	3.7	3.9
Jacksonville	399.1	422.6	428.2	19.6	22.9	23.0	4.9	5.4	5.4
Lakeland-Winter Haven	168.6	173.9	175.0	15.0	15.3	13.7	8.9	8.8	7.8
Melbourne-Titusville-Palm Bay	164.5	165.1	165.3	8.4	11.7	10.4	5.1	7.1	6.3
Miami-Hialeah	866.8	890.3	893.0	56.0	57.7	49.7	6.5	6.5	5.6
Orlando	492.8	533.4	542.0	21.9	26.4	24.5	4.4	4.9	4.5
Pensacola	137.6	144.3	144.9	8.5	10.5	10.3	6.2	7.3	7.1
Sarasota	105.5	109.4	111.3	4.1	4.2	3.9	3.9	3.9	3.5
Tallahassee	110.8	117.7	119.9	3.9	4.7	4.8	3.5	4.0	4.0
Tampa-St. Petersburg-Clearwater	886.4	931.6	941.6	43.8	51.4	48.1	4.9	5.5	5.1
West Palm Beach-Boca Raton-DeLray Beach	356.0	385.2	386.3	17.7	19.2	17.1	5.0	5.0	4.4

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Georgia	2,909.4	3,031.1	3,047.4	182.2	179.9	177.8	6.3	5.9	5.8
Albany	55.2	55.8	56.0	5.1	5.8	5.7	9.2	10.3	10.1
Athens	70.6	72.6	73.5	4.2	3.3	3.7	5.9	4.6	5.0
Atlanta	1,349.5	1,438.0	1,446.9	65.5	66.6	68.2	4.9	4.6	4.7
Augusta	169.4	175.3	175.9	9.8	11.2	11.3	5.8	6.4	6.4
Columbus	96.7	99.0	98.7	8.1	7.5	7.0	8.4	7.5	7.1
Macon-Warner Robins	124.6	126.9	127.5	8.3	7.4	7.1	6.6	5.8	5.5
Savannah	104.0	110.1	109.6	7.3	6.9	6.6	7.0	6.2	6.0
Hawaii	481.3	480.0	487.2	24.2	21.3	20.3	5.0	4.4	4.2
Honolulu	360.9	359.6	365.0	16.0	14.9	13.9	4.4	4.1	3.8
Idaho	449.3	450.5	449.5	45.7	49.1	48.3	10.2	10.9	10.8
Boise City	98.5	101.3	100.4	7.0	7.5	7.1	7.1	7.4	7.0
Illinois ¹	5,631.9	5,583.5	5,561.0	569.2	459.4	463.9	10.1	8.2	8.3
Aurora-Elgin	166.5	170.7	169.2	15.9	12.3	12.2	9.5	7.2	7.2
Bloomington-Normal	63.5	62.8	62.5	4.6	3.6	3.3	7.3	5.7	5.3
Champaign-Urbana-Rantoul	85.4	83.4	84.8	4.9	4.5	4.5	5.8	5.3	5.3
Chicago	3,069.1	3,066.6	3,054.8	268.3	221.6	223.3	8.7	7.2	7.3
Davenport-Rock Island-Moline	184.3	180.0	178.9	23.2	16.3	15.6	12.6	9.0	8.7
Decatur	60.0	57.7	57.5	7.4	6.1	6.2	12.4	10.6	10.8
Joliet	189.1	187.2	186.4	17.5	15.4	16.2	9.3	8.2	8.7
Kankakee	44.6	43.1	43.0	6.0	4.3	4.4	13.4	10.0	10.3
Lake County	243.2	244.3	243.4	16.3	13.0	13.0	6.7	5.3	5.4
Peoria	155.0	151.5	151.0	17.6	14.2	14.4	11.4	9.4	9.5
Rockford	145.1	145.6	145.1	15.2	12.9	13.1	10.5	8.9	9.0
Springfield	104.6	103.2	103.0	8.1	6.5	6.2	7.7	6.3	6.0
Indiana	2,705.8	2,728.5	2,701.5	222.4	204.8	201.7	8.2	7.5	7.5
Anderson	60.8	60.8	59.6	4.9	5.0	4.9	8.0	8.3	8.2
Bloomington	57.4	58.2	58.7	3.2	2.8	2.7	5.6	4.8	4.5
Elkhart-Goshen	86.8	89.4	89.6	5.4	4.5	4.6	6.2	5.0	5.2
Evansville	142.1	141.7	141.2	12.1	10.8	11.6	8.5	7.6	8.3
Fort Wayne	184.2	189.5	187.6	11.5	10.8	10.9	6.3	5.7	5.8
Gary-Hammond	257.2	255.3	250.0	30.5	33.9	30.9	11.8	13.3	12.4
Indianapolis	629.3	647.5	640.5	39.9	36.2	35.5	6.3	5.6	5.5
Kokomo	50.1	49.2	48.6	5.1	4.3	4.1	10.3	8.8	8.5
Lafayette	65.3	64.8	64.9	3.3	2.7	2.6	5.1	4.2	4.0
Muncie	59.9	59.7	59.2	5.2	4.8	4.9	8.7	8.1	8.2
South Bend-Mishawaka	124.1	126.2	125.2	8.7	7.4	7.8	7.0	5.8	6.2
Terre Haute	61.2	59.6	59.0	5.9	4.7	4.3	9.6	7.9	7.4
Iowa	1,384.4	1,414.1	1,421.1	128.5	100.3	89.6	9.3	7.1	6.3
Cedar Rapids	86.7	89.4	89.3	7.1	5.4	5.0	8.2	6.0	5.6
Des Moines	206.3	217.4	217.3	14.8	11.6	10.1	7.2	5.3	4.6
Dubuque	42.1	43.9	43.7	4.6	3.4	3.1	11.0	7.8	7.2
Iowa City	56.4	54.6	58.0	2.0	1.4	1.3	3.6	2.6	2.2
Sioux City	55.9	58.4	58.5	5.5	4.4	4.1	9.8	7.6	7.0
Waterloo-Cedar Falls	68.6	69.0	69.6	9.8	7.4	6.5	14.3	10.7	9.4
Kansas	1,206.5	1,215.6	1,236.5	74.7	78.0	73.6	6.2	6.4	6.0
Lawrence	37.0	37.7	38.9	1.6	1.6	1.7	4.3	4.4	4.3
Topeka	85.4	87.5	88.7	5.1	4.9	4.8	6.0	5.6	5.4
Wichita LMA	220.0	223.4	228.0	13.6	14.9	14.5	6.2	6.7	6.4
Kentucky	1,665.7	1,679.3	1,676.0	190.0	181.8	191.3	11.4	10.8	11.4
Lexington-Fayette	175.5	174.5	174.8	11.0	11.5	11.7	6.3	6.6	6.7
Louisville	485.4	487.9	485.1	42.1	39.8	41.0	8.7	8.2	8.4
Owensboro	45.4	44.7	44.6	5.9	5.4	6.3	13.0	12.2	14.2
Louisiana	1,967.1	1,943.3	1,940.7	242.0	288.6	277.3	12.3	14.9	14.3
Alexandria	58.9	60.5	60.7	6.0	7.2	7.1	10.1	11.9	11.7
Baton Rouge	261.4	260.0	261.1	29.1	31.5	29.9	11.1	12.1	11.5
Houma-Thibodaux	77.5	74.7	75.3	10.4	15.8	15.6	13.5	21.1	20.7
Lafayette	109.5	101.4	101.0	10.9	17.0	16.0	9.9	16.8	15.9
Lake Charles	75.1	73.1	72.6	10.5	11.2	10.7	13.9	15.3	14.7
Monroe	68.5	68.1	69.2	7.2	8.5	8.3	10.5	12.4	12.0
New Orleans	603.0	594.0	590.6	61.6	69.9	66.6	10.2	11.8	11.3
Shreveport	167.9	164.6	164.4	20.0	23.0	22.2	11.9	14.0	13.5
Maine	536.3	535.6	533.9	33.1	36.4	31.3	6.2	6.8	5.9
Lewiston-Auburn	39.8	39.4	39.2	3.1	3.0	2.6	7.7	7.7	6.5
Portland	111.2	113.1	112.7	3.4	3.9	3.4	3.0	3.4	3.0
Maryland	2,285.3	2,374.5	2,374.0	123.0	125.3	128.8	5.4	5.3	5.4
Baltimore	1,118.6	1,155.5	1,152.4	69.5	67.7	67.5	6.2	5.9	5.9

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
Massachusetts¹	3,008.9	3,019.8	3,001.6	127.9	123.3	117.4	4.3	4.1	3.9
Boston	1,500.6	1,506.8	1,497.9	52.4	49.7	47.0	3.5	3.3	3.1
Brockton	94.3	94.6	94.5	4.3	4.3	4.0	4.6	4.5	4.2
Fall River	76.5	76.7	75.8	6.0	5.9	5.6	7.8	7.7	7.4
Fitchburg-Leominster	47.1	45.2	44.9	2.2	2.5	2.3	4.7	5.5	5.1
Lawrence-Haverhill	183.9	178.9	178.0	9.6	8.2	8.0	5.2	4.6	4.5
Lowell	148.3	147.1	145.8	5.9	6.1	5.9	3.9	4.2	4.0
New Bedford	84.2	83.5	82.6	6.5	6.1	6.0	7.7	7.3	7.3
Pittsfield	39.9	40.4	39.8	1.9	1.9	1.7	4.9	4.7	4.3
Springfield	243.6	244.6	246.0	11.3	10.5	10.0	4.6	4.3	4.1
Worcester	205.2	206.7	206.7	8.0	7.9	7.4	3.9	3.8	3.6
Michigan¹	4,287.7	4,416.5	4,431.0	399.8	357.9	392.9	9.3	8.1	8.9
Ann Arbor	147.5	155.7	155.8	7.2	6.2	7.2	4.9	4.0	4.6
Battle Creek	60.1	61.2	61.4	6.0	4.7	5.0	9.9	7.7	8.2
Benton Harbor	73.2	75.0	75.1	7.1	6.2	6.4	9.7	8.2	8.6
Detroit	2,069.5	2,158.6	2,162.7	171.8	158.4	178.2	8.3	7.3	8.2
Flint	199.5	202.4	200.2	22.6	24.6	21.7	11.3	12.2	10.8
Grand Rapids	325.2	331.4	332.1	24.5	22.4	24.0	7.5	6.8	7.2
Jackson	60.4	62.0	62.0	5.8	5.0	5.5	9.7	8.0	8.8
Kalamazoo	108.3	111.9	112.2	6.6	5.7	6.1	6.1	5.1	5.5
Lansing-East Lansing	226.8	233.3	235.2	16.9	14.2	16.0	7.5	6.1	6.8
Muskegon	66.2	67.0	67.5	7.6	7.3	8.3	11.6	11.0	12.2
Saginaw-Bay City-Midland	177.3	182.0	182.9	18.6	17.5	19.5	10.5	9.6	10.7
Minnesota	2,162.4	2,196.9	2,194.7	152.1	140.4	141.2	7.0	6.4	6.4
Duluth	100.7	101.7	100.1	13.2	11.4	12.2	13.1	11.2	12.1
Minneapolis-St. Paul	1,279.5	1,307.7	1,306.6	66.0	61.3	62.4	5.2	4.7	4.8
Rochester	55.1	56.9	56.6	2.9	2.6	2.7	5.2	4.6	4.7
St. Cloud	86.4	90.7	91.5	6.7	6.6	6.5	7.8	7.3	7.1
Mississippi	1,133.3	1,148.2	1,147.7	129.8	145.9	139.9	11.5	12.7	12.2
Jackson	190.1	193.5	193.7	14.3	17.0	16.6	7.5	8.8	8.6
Missouri	2,457.6	2,521.6	2,515.2	179.0	174.9	168.9	7.3	6.9	6.7
Kansas City	783.6	806.8	807.7	42.4	46.6	41.1	5.4	5.8	5.1
St. Joseph	41.1	41.0	40.5	3.9	3.6	3.4	9.6	8.8	8.4
St. Louis	1,213.2	1,241.6	1,234.1	97.7	93.3	91.9	8.1	7.5	7.4
Springfield	112.5	117.7	117.8	6.2	6.3	6.2	5.5	5.4	5.3
Montana	392.4	399.5	401.8	39.3	40.5	38.8	10.0	10.1	9.7
Nebraska	776.1	783.2	791.8	50.4	44.4	46.3	6.5	5.7	5.9
Lincoln	115.8	114.5	116.8	4.5	4.2	4.5	3.9	3.6	3.8
Omaha	307.9	312.2	314.3	19.6	17.9	17.8	6.4	5.7	5.7
Nevada	522.7	551.6	554.9	39.3	36.1	36.5	7.5	6.6	6.6
Las Vegas	300.6	321.1	323.5	21.9	20.2	20.8	7.3	6.3	6.4
Reno	132.6	137.2	138.0	9.5	8.9	8.7	7.2	6.5	6.3
New Hampshire	543.4	554.9	556.0	19.9	16.2	15.2	3.7	2.9	2.7
Nashua	89.9	91.5	91.4	3.4	2.6	2.4	3.8	2.8	2.6
Portsmouth-Dover-Rochester	117.5	122.6	122.8	3.9	3.8	3.5	3.3	3.1	2.9
New Jersey¹	3,872.3	3,813.0	3,894.6	247.0	173.8	187.7	6.4	4.6	4.8
Atlantic City	160.9	159.9	164.0	16.8	12.1	12.9	10.4	7.6	7.8
Bergen-Passaic	704.5	690.9	703.9	40.6	28.3	30.0	5.8	4.1	4.3
Jersey City	268.9	263.8	269.3	26.0	19.0	19.7	9.7	7.2	7.3
Middlesex-Somerset-Hunterdon	532.0	521.8	535.7	25.5	16.6	18.3	4.8	3.2	3.4
Monmouth-Ocean	437.3	438.8	447.8	24.4	17.5	18.7	5.6	4.0	4.2
Newark	969.5	946.4	965.3	63.9	42.4	46.5	6.6	4.5	4.8
Trenton	167.6	166.2	169.8	9.0	6.4	7.2	5.4	3.9	4.2
Vineland-Millville-Bridgeton	57.8	55.7	57.0	7.6	5.0	5.5	13.2	8.9	9.7
New Mexico	653.3	664.2	669.4	60.5	65.7	65.4	9.3	9.9	9.8
Albuquerque	247.1	255.1	256.4	15.5	17.2	16.4	6.3	6.7	6.4
Las Cruces	52.4	53.3	55.1	4.1	3.9	4.1	7.8	7.4	7.4
Santa Fe	61.0	62.9	63.2	3.6	3.9	4.1	6.0	6.2	6.4

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a	Feb. 1986	Jan. 1987	Feb. 1987 ^a
New York¹	8,298.7	8,499.4	8,389.1	609.5	523.8	466.3	7.3	6.2	5.6
Albany-Schenectady-Troy	406.5	419.3	413.5	25.0	23.0	19.6	6.2	5.5	4.7
Binghamton	126.6	126.6	126.1	9.9	7.1	7.0	7.8	5.6	5.5
Buffalo	434.3	440.8	440.5	36.9	30.2	29.2	8.5	6.8	6.6
Elmira	38.7	40.3	39.9	3.4	2.5	2.6	8.8	6.1	6.4
Glens Falls	49.4	51.2	50.2	4.6	3.9	3.2	9.4	7.6	6.3
Nassau-Suffolk	1,368.1	1,416.2	1,408.9	69.4	51.3	54.7	5.1	3.6	3.9
New York	3,848.2	3,946.8	3,864.0	295.0	264.7	213.7	7.7	6.7	5.5
New York City ¹	3,198.0	3,270.0	3,195.0	267.0	243.0	191.0	8.4	7.4	6.0
Orange County	122.6	126.6	126.2	7.6	6.6	6.2	6.2	5.2	4.9
Poughkeepsie	125.1	126.7	125.6	5.7	4.7	4.1	4.6	3.7	3.3
Rochester	491.5	496.7	493.6	30.7	27.1	26.5	6.3	5.5	5.4
Syracuse	313.2	323.2	319.8	25.8	23.4	22.7	8.3	7.2	7.1
Utica-Rome	133.1	135.7	134.7	12.3	10.4	9.8	9.2	7.6	7.3
North Carolina¹	3,172.5	3,226.6	3,259.5	181.4	169.0	181.4	5.7	5.2	5.6
Asheville	84.9	85.2	86.1	4.5	4.8	5.2	5.3	5.6	6.1
Charlotte-Gastonia-Rock Hill	588.9	605.2	611.0	28.7	24.6	26.1	4.9	4.1	4.3
Greensboro-Winston-Salem-High Point	503.3	506.8	511.8	25.5	20.3	22.9	5.1	4.0	4.5
Raleigh-Durham	382.3	393.7	396.4	12.1	13.2	13.2	3.2	3.4	3.3
North Dakota	312.7	305.6	312.0	25.2	21.0	19.5	8.0	6.9	6.3
Bismarck	43.1	42.1	42.8	4.0	3.0	2.8	9.4	7.2	6.4
Fargo-Moorhead	79.8	81.4	82.2	4.5	3.7	3.5	5.6	4.5	4.2
Grand Forks	33.3	33.3	34.5	1.5	1.4	1.3	4.5	4.3	3.8
Ohio¹	5,219.7	5,195.9	5,204.5	472.6	451.6	472.8	9.1	8.7	9.1
Akron	321.6	318.2	318.1	29.6	28.1	29.2	9.2	8.8	9.2
Canton	191.9	188.2	189.5	21.9	20.1	21.6	11.4	10.7	11.4
Cincinnati	717.0	727.5	725.0	51.0	55.6	51.6	7.1	7.6	7.1
Cleveland	930.3	920.6	922.1	75.0	68.7	73.4	8.1	7.5	8.0
Columbus	668.5	678.0	678.8	44.5	43.1	45.9	6.7	6.4	6.8
Dayton-Springfield	461.9	460.5	461.7	34.6	30.9	33.5	7.5	6.7	7.3
Toledo	307.1	309.1	309.9	27.1	26.9	28.1	8.8	8.7	9.1
Youngstown-Warren	224.0	224.7	224.3	25.8	26.0	26.8	11.5	11.6	11.9
Oklahoma	1,562.6	1,560.9	1,559.6	121.7	133.2	132.3	7.8	8.5	8.5
Enid	31.6	29.8	29.5	2.4	2.6	2.6	7.6	8.8	8.8
Lawton	47.4	47.4	47.3	2.4	2.5	2.6	5.1	5.2	5.5
Oklahoma City	509.4	499.0	501.0	31.2	33.3	33.2	6.1	6.7	6.6
Tulsa	347.7	354.4	354.7	28.4	31.8	32.7	8.2	9.0	9.2
Oregon	1,317.0	1,370.5	1,365.0	133.5	115.0	101.9	10.1	8.4	7.5
Eugene-Springfield	130.7	136.8	136.1	13.4	10.1	9.0	10.3	7.4	6.6
Portland	599.4	627.3	626.6	47.5	42.0	37.6	7.9	6.7	6.0
Salem	119.5	125.1	125.1	12.4	11.1	9.7	10.4	8.8	7.8
Pennsylvania¹	5,511.4	5,490.4	5,427.2	452.5	359.2	349.0	8.2	6.5	6.4
Allentown-Bethlehem	317.9	305.1	302.7	28.9	17.3	16.2	9.1	5.7	5.3
Altoona	56.9	56.4	55.4	6.5	5.3	4.8	11.5	9.4	8.6
Beaver County	65.9	62.4	61.3	10.1	7.1	6.8	15.3	11.4	11.2
Erie	126.6	124.6	123.3	11.6	10.7	10.5	9.2	8.6	8.5
Harrisburg-Lebanon-Carlisle	294.9	299.1	296.2	17.9	11.8	11.4	6.1	3.9	3.9
Johnstown	93.8	92.0	91.3	13.0	9.5	9.3	13.8	10.3	10.2
Lancaster	200.6	202.2	201.3	9.0	6.0	5.6	4.5	2.9	2.8
Philadelphia	2,318.2	2,327.9	2,319.0	138.2	111.5	114.1	6.0	4.8	4.9
Pittsburgh	928.0	936.7	917.4	87.8	76.9	73.8	9.5	8.2	8.0
Reading	166.1	166.0	163.6	13.0	8.7	8.4	7.8	5.2	5.2
Scranton-Wilkes-Barre	338.8	334.9	331.6	33.1	28.4	27.0	9.8	8.5	8.1
Sharon	48.2	47.6	47.4	4.9	4.4	4.5	10.2	9.3	9.5
State College	57.1	54.3	56.6	4.1	3.3	3.1	7.2	6.0	5.5
Williamsport	54.9	54.3	53.8	5.2	3.9	3.9	9.5	7.1	7.3
York	202.1	200.5	198.0	12.9	8.7	8.6	6.4	4.3	4.4
Rhode Island	500.8	505.4	504.9	25.5	22.8	23.6	5.1	4.5	4.7
Pawtucket-Woonsocket-Attleboro	163.8	164.4	163.4	9.4	9.0	9.0	5.8	5.4	5.5
Providence	326.6	330.1	329.9	16.1	14.1	14.8	4.9	4.3	4.5
South Carolina	1,560.1	1,585.9	1,594.0	106.2	96.4	100.1	6.8	6.1	6.3
Charleston	208.7	217.7	217.9	9.6	10.7	10.9	4.6	4.9	5.0
Columbia	216.4	217.6	218.7	8.2	8.7	9.0	3.8	4.0	4.1
Greenville-Spartanburg	309.0	318.6	318.6	18.0	15.2	16.2	5.8	4.8	5.1
South Dakota	326.7	331.0	333.7	19.9	18.1	15.6	6.1	5.5	4.7
Rapid City	35.8	37.8	37.5	2.3	2.2	1.7	6.3	5.9	4.7
Sioux Falls	67.4	68.3	68.5	3.8	3.1	2.7	5.6	4.6	3.9

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p	Feb. 1986	Jan. 1987	Feb. 1987 ^p
Tennessee	2,252.7	2,297.2	2,304.4	213.8	187.4	186.5	9.5	8.2	8.1
Chattanooga	196.7	201.2	200.3	16.1	13.6	13.5	8.2	6.7	6.7
Johnson City-Kingsport-Bristol	207.9	209.6	209.6	18.5	16.0	16.4	8.9	7.6	7.8
Knoxville	270.0	275.1	275.0	25.1	23.6	23.4	9.3	8.6	8.5
Memphis LMA	417.7	433.2	434.6	32.1	29.2	28.0	7.7	6.7	6.4
Nashville	488.5	503.0	508.4	28.6	25.4	25.7	5.8	5.0	5.1
Texas¹	7,944.5	8,208.7	8,226.3	696.5	806.8	758.6	8.8	9.8	9.2
Abilene	54.9	55.6	55.6	4.2	5.6	5.2	7.6	10.2	9.3
Amarillo	96.4	98.7	99.1	7.0	7.0	6.9	7.2	7.1	7.0
Austin	411.8	433.2	437.6	22.1	29.5	28.4	5.4	6.8	6.5
Beaumont-Port Arthur	162.3	161.0	161.2	25.1	23.4	21.9	15.5	14.5	13.6
Brazoria	79.5	80.1	80.4	8.6	9.3	8.6	10.9	11.6	10.7
Brownsville-Harlingen	94.6	95.5	95.6	17.4	15.9	14.9	18.4	16.6	15.6
Bryan-College Station	56.6	55.4	58.0	3.5	3.8	3.5	6.2	6.9	6.0
Corpus Christi	161.6	166.3	167.1	18.9	22.3	21.5	11.7	13.4	12.9
Dallas	1,364.6	1,415.3	1,416.9	77.6	94.7	89.1	5.7	6.7	6.3
El Paso	216.8	228.0	228.4	25.5	26.7	26.1	11.8	11.7	11.4
Fort Worth-Arlington	623.8	664.3	667.4	38.9	51.6	49.1	6.2	7.8	7.4
Galveston-Texas City	105.5	106.3	106.6	12.7	12.5	12.1	12.1	11.8	11.3
Houston	1,592.4	1,600.2	1,598.8	153.2	174.9	161.5	9.6	10.9	10.1
Killeen-Temple	84.7	89.7	90.1	6.7	7.6	7.3	7.9	8.5	8.1
Laredo	43.8	45.9	45.9	8.2	8.8	8.4	18.6	19.3	18.3
Longview-Marshall	78.8	80.4	80.5	9.4	10.2	9.4	12.0	12.7	11.7
Lubbock	106.6	110.3	111.8	8.0	7.7	7.4	7.5	6.9	6.6
McAllen-Edinburg-Mission	144.9	150.3	148.7	33.4	32.6	29.7	23.0	21.7	20.0
Midland	52.1	51.4	51.3	4.0	5.9	5.4	7.7	11.4	10.6
Odessa	59.5	58.3	57.9	5.5	9.3	8.5	9.3	15.9	14.7
San Angelo	44.0	45.3	45.9	2.6	3.4	3.1	5.9	7.5	6.7
San Antonio	557.0	592.1	595.3	40.0	51.7	48.9	7.2	8.7	8.2
Sherman-Denison	46.5	49.2	49.4	3.3	4.3	4.1	7.1	8.8	8.3
Texarkana	55.8	56.8	56.8	5.6	5.4	5.2	10.1	9.5	9.2
Tyler	74.0	76.4	77.7	6.5	7.6	8.1	8.8	9.9	10.5
Victoria	37.1	38.3	38.1	3.3	4.1	4.0	8.8	10.8	10.4
Waco	87.5	92.0	92.7	6.3	8.0	7.3	7.2	8.7	7.9
Wichita Falls	55.3	57.5	57.6	4.5	5.4	5.1	8.1	9.3	8.9
Utah	738.3	758.3	756.3	49.3	56.3	57.2	6.7	7.4	7.6
Provo-Orem	96.7	97.6	97.4	6.7	9.0	8.9	6.9	9.2	9.2
Salt Lake City-Ogden	487.4	504.5	503.2	29.3	32.2	33.3	6.0	6.4	6.6
Vermont	286.2	293.5	294.3	16.2	15.2	14.9	5.7	5.2	5.1
Burlington	71.1	72.7	72.3	2.6	2.8	2.4	3.7	3.8	3.3
Virginia	2,822.9	2,866.2	2,874.0	158.8	154.4	158.2	5.6	5.4	5.5
Charlottesville	61.4	62.6	62.6	2.9	2.4	2.3	4.7	3.8	3.6
Danville	50.4	49.3	49.7	5.8	4.2	4.4	11.5	8.4	8.9
Lynchburg	68.9	68.9	69.4	4.4	4.0	4.6	6.3	5.8	8.6
Norfolk-Virginia Beach-Newport News	557.8	565.6	567.4	28.7	30.8	30.8	5.1	5.4	5.4
Richmond-Petersburg	400.9	411.6	412.7	18.8	18.5	19.4	4.7	4.5	4.7
Roanoke	114.5	116.9	116.9	5.7	5.8	5.8	4.9	5.0	4.9
Washington	2,102.4	2,171.2	2,159.6	193.3	202.3	203.6	9.2	9.3	9.4
Seattle	926.3	974.7	968.3	63.6	66.6	67.3	6.9	6.8	6.9
West Virginia	743.7	749.9	744.1	108.8	97.8	93.8	14.6	13.0	12.6
Charleston	116.1	117.5	116.5	13.6	11.7	11.6	11.7	9.9	9.9
Huntington-Ashland	127.5	127.6	126.8	17.5	16.3	16.8	13.7	12.7	13.3
Parkersburg-Marietta	71.8	72.1	72.3	9.1	8.4	8.6	12.7	11.7	11.9
Wheeling	72.5	71.4	71.2	9.9	8.2	8.1	13.6	11.5	11.3
Wisconsin	2,345.5	2,406.1	2,404.8	206.5	191.9	191.7	8.8	8.0	8.0
Appleton-Oshkosh-Neenah	155.3	157.8	158.0	13.0	12.5	12.2	8.3	7.9	7.7
Eau Claire	65.7	69.8	69.5	5.4	5.6	5.4	8.2	8.0	7.8
Green Bay	97.1	100.5	101.0	7.0	7.8	7.6	7.2	7.8	7.6
Janesville-Beloit	68.6	68.7	68.7	6.6	5.9	6.1	9.5	8.6	8.8
Kenosha	52.4	51.8	52.6	9.6	5.0	5.4	18.3	9.7	10.3
La Crosse	50.3	50.3	50.1	3.6	3.3	3.2	7.1	6.7	6.4
Madison	200.7	205.0	206.2	10.7	10.0	9.9	5.3	4.9	4.8
Milwaukee	701.0	721.8	718.5	48.4	45.7	44.6	6.9	6.3	6.2
Racine	84.3	85.3	84.4	8.5	7.2	7.0	10.1	8.4	8.3
Sheboygan	50.6	52.1	52.5	4.0	3.1	3.7	7.8	6.0	7.1
Wausau	55.7	58.0	57.5	5.6	5.6	5.4	10.0	9.6	9.4
Wyoming	242.9	238.4	239.5	23.3	25.3	26.2	9.6	10.6	11.0

¹ Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.

² Not available.

^p = preliminary.

NOTE: Data refer to place of residence. Estimates for 1986 have been

benchmarked to 1986 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1987 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Explanatory Notes

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, family 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 59,500 households, representing 729 areas in 1,973 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 industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are currently based on payroll reports from a sample of 250,000 establishments employing over 38 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 day of the 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 derived only from establishment reports.

Data from these two sources differ from each other

because of differences in definitions 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 the 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, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian 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 survey 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 reports, 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 civilians 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 disputes, 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.

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by employers. 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, production or nonsupervisory 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.

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to average earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

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, 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 (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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*.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Economics and Statistics Service 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 their impact on differences in the levels and trends 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 Census from its censuses or sample surveys of manufacturing and business establishments. The major reasons for 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 the 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. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the 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. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, BLS Bulletin 2096.

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. The inquiry relates to activity or status during the calendar 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 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 the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 59,500 occupied units are eligible for interview. About 2,500 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 or 5 percent. In addition to the 59,500 occupied units, there are 11,000 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 AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own 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 disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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 who are temporarily in the United States but not living on the premises of an embassy. Excluded are persons whose only activity consisted of work around the house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and had made specific efforts to find employment sometime during the prior 4 weeks. Persons who were waiting to be recalled to a job from which they had laid off or were waiting to report to a new job within 30 days need not be looking for work to be classified as unemployed.

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. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The 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) *Reentrants* 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. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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 those 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 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 labor pickup point.

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

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* 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, race, Hispanic origin, marital status, etc.

Participation rates represent the proportion of the population that is in the labor force. The *labor force participation rate* is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces,

as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

Not in the labor force includes all persons 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, retired, and other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published 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 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, 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 job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. 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 birth or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were 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; all the hours are credited to the major job.

Persons who worked 35 hours or more during 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 or part time) and by their reason for working part time during the survey week (economic or noneconomic reasons). Economic reasons include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or 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 to 34 hours for noneconomic reasons and usually work full time.

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

Employed persons are also categorized into full- and part-time groupings based primarily on their *usual status*. In this context, *full-time workers* are those who (a) worked 35 hours or more during the survey week, (b) worked 1 to 34 hours for economic or noneconomic reasons, but usually work full time, and (c) were with a job but not at work and usually work full time. Similarly, *part-time workers* are those who (a) voluntarily worked 1 to 34 hours during the survey week, (b) worked 1 to 34 hours for economic reasons, but usually work part time, i.e., persons who could only find part-time work; and (c) were with a job but not at work and usually work part time.

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full-* and *part-time labor force* which are based on the type of job—full or part-time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of per-

sons on full-time schedules; all persons involuntarily working part time regardless of their usual status; 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. Employed persons with a job but not at work are distributed according to whether they usually work on full-time or voluntary part-time schedules.

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 that; (1) unemployed persons looking for full-time work lost an average of 37.5 hours, (2) 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) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

White, black, and other are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

Hispanic 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 of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

Usual weekly earnings data are provided from responses to the question "How much does . . . USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding the incorporated self-employed) who usually work full time on their sole or primary job.

Median earnings indicate the value which divides the earnings distribution into two equal parts, one part hav-

ing values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$50 centered interval within which each median falls.

Data expressed in constant dollars are deflated by the Consumer Price Index for All Urban Consumers (CPI-U).

Single, never married; married, spouse present; and other marital status are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in families maintained by either men or women without a spouse.

Family refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

Poverty areas are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the

1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. 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.

The *metropolitan areas* classification consists of the total of all Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1984. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

The *urban population*, as defined for the 1980 census, comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; and (2) other territories, incorporated and unincorporated, included in urbanized areas. The population not classified as urban constitutes the rural population.

HISTORICAL COMPARABILITY

Change in lower age limit

The lower age limit for official statistics on the labor force, employment, and unemployment was raised from 14 to 16 years of age in January 1967. Insofar as possible, historical series have been revised to provide consistent information based on the population 16 years and over. For a detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series, see "New Definitions for Employment and Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about

350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 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 increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by 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. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, 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.

In addition, 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 estimates had its greatest impact on estimates of 20- to 24-year-old men—particularly those of the black-and-other population—but had little effect on estimates of the total population 16 years and over. 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 in 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 men and 46,000 women. 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.

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in “Revisions in

the Current Population Survey in January 1978” in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.

Beginning in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures existed only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in “Revisions in the Current Population Survey in January 1979” in the February 1979 issue of *Employment and Earnings*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1982” in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1983” in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and vir-

tually no differences in estimates of participation rates.

Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first and second-stage ratio adjustments, and the composite estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in “Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

Beginning in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of this publication.

Changes in the occupational and industrial classification systems

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see “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*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group “sales occupations” is substantially larger than the 1970 category “sales workers”. Major additions include “cashiers” from “clerical workers” and some self-employed proprietors in retail trade establishments from “managers and administrators, except farm.”

The industrial classification system used in the 1980 census is based on the 1972 Standard Industrial Classification (SIC) system, as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from “retail” to “wholesale” trade, postal service from “public administration” to “transportation”, and some interchange between “professional and related services” and “public administration.”

Additional information on the 1980 census occupational and industrial classification systems appears in “Revisions in the Current Population Survey Beginning in January 1983” in the February 1983 issue of *Employment and Earnings*.

Changes in the sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was

begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. In October 1978 a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information rather than 1970 census information. The selection of new sample areas provided an opportunity to improve the efficiency of the sample design. Sample areas chosen to replace incoming sample areas account for only 10 percent of the national estimate. The new CPS sample has resulted in increased reliability for State estimates with a slightly reduced sample size. The reliability of national estimates is unaffected. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.)

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. A more detailed account of the history of the CPS sample design appears in the *Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463, Bureau of Labor Statistics.

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. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State will have the same probability of selection. These estimates are then adjusted for noninterviews, and the ratio estimation procedure is applied.

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 respondents for other reasons. This noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by central city and the balance of the MSA. Residence categories of non-MSA areas are urban and rural. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey 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.* In the CPS, a portion of the 729 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

Table A. Characteristics of the CPS sample, 1947 to date

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to present	729	57,000	2,500	11,000

¹ Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

² Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS under-coverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for 8 age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 32 age-sex groups each while the other races category has 6 age-sex cells. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race-origin categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1985. The nature and effect of these changes are discussed in detail in "Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing

the State total, use Report 640 of that series. A description of the age estimates methodology is available upon request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure. These Hispanic controls are prepared by carrying forward the 1980 census count for Hispanics by adding estimated Hispanic births and immigrants and subtracting estimated Hispanic deaths and emigrants to yield an estimate of the Hispanic population by age and sex.

During the period from January 1982 to December 1984, the "inflation-deflation" method was temporarily discontinued in the preparation of the independent national controls used for the age-sex-race groups in the third step of the second-stage ratio estimation procedure. These controls were prepared by carrying forward the 1980 census data after taking account of subsequent aging of the population, births, deaths, and net migration and then subtracting the estimate for the institutional population and Armed Forces. Beginning in January 1985, the "inflation-deflation" method of deriving independent population controls was reintroduced into the CPS estimation procedure. With the "inflation-deflation" method, the independent controls are prepared by inflating the 1980 census counts to include estimated undercounts by age, sex and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal 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. Because an estimate of undercount is first added and then subtracted, the size of each race-sex group is unaffected by the "inflation-deflation" method. Similarly, the final estimate is affected only by the age structure of the undercount, but not the level. This feature of the method is important since the exact amount of undercount in the 1980 census remains unknown.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls. For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the postcensal population estimates since 1980. The nature and effect of these changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

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. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

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. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

There are two types of errors possible in an estimate

based on a sample survey—sampling and nonsampling. The standard errors provided primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure any systematic biases in the data.

Nonsampling error. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS, as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-to-month change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program, January 1961 through December 1966*. Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in the "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailer, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 6 percent. It is known that the CPS undercoverage varies with age, sex, race and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics and other

races combined than for whites. Ratio estimation to independent age-sex-race-origin population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race-origin group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

Additional information on nonsampling error in the CPS appears in "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailer, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive discussion of various sources of error and describes attempts to measure them in the CPS.

Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard error above the estimate would include the average of all possible samples.
3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations are required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State

estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors are computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months (1985 annual averages).

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the table may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

Standard errors for estimated totals. Tables D and E provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

Table B. Standard errors for major employment status categories

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	244	187
Employed	263	200
Unemployed	131	134
Men, 20 years and over:		
Civilian labor force	148	127
Employed	162	141
Unemployed	89	91
Women, 20 years and over:		
Civilian labor force	189	140
Employed	190	144
Unemployed	82	85
Both sexes, 16 to 19 years:		
Civilian labor force	83	91
Employed	86	97
Unemployed	57	63
Black, 16 years and over:		
Civilian labor force	82	63
Employed	92	70
Unemployed	65	67
Men, 20 years and over:		
Civilian labor force	49	43
Employed	56	50
Unemployed	43	46
Women, 20 years and over:		
Civilian labor force	67	44
Employed	67	48
Unemployed	43	46
Both sexes, 16 to 19 years:		
Civilian labor force	33	37
Employed	30	34
Unemployed	30	32

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.11	0.12	Occupation—Continued		
Men, 20 years and over	.15	.15	Precision production, craft, and repair	0.32	0.35
Women, 20 years and over	.17	.18	Machine operators, assemblers, and inspectors	.50	.57
Both sexes, 16 to 19 years	.65	.77	Transportation and material moving	.57	.64
White workers	.11	.12	Handlers, equipment cleaners, helpers, and laborers	.70	.80
Black workers	.52	.54	Farming, forestry, and fishing	.65	.73
Married men, spouse present	.15	.16	Industry		
Married women, spouse present	.21	.23	Nonagricultural private wage and salary workers	.13	.14
Full-time workers	.12	.12	Mining	1.37	1.56
Part-time workers	.34	.42	Construction	.65	.74
Unemployed 15 weeks and over	.06	.08	Manufacturing	.27	.30
Occupation			Durable goods	.34	.38
Executive, administrative, and managerial	.21	.24	Nondurable goods	.42	.48
Professional specialty	.18	.20	Transportation, communications, and public utilities	.41	.46
Technicians and related support	.49	.55	Wholesale and retail trade	.26	.29
Sales	.29	.32	Finance and services	.20	.22
Administrative support, including clerical	.24	.26	Government workers	.18	.19
Private household	1.07	1.20	Agricultural wage and salary workers	1.22	1.40
Protective service	.67	.76			
Service, except private household and protective	.38	.43			

Table D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	84	80		87	66	93	88
6,000	146	116	94	86		105	58	113	99
8,000	-	133	97	83		120	23	129	-
10,000		147	94	70		132	-	143	
15,000		177	50	-		155		172	
20,000		201	-			170		195	
30,000		236				188		-	
40,000		261				189			
50,000		278				175			
60,000		288				141			
70,000		293				61			
80,000		293				-			
100,000		273							
120,000		231							

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error

on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentage can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately $0.09 \times 1.26 = 0.1$ percentage point.

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. The approximate standard errors of levels, rates, and percentages involving year-to-year change of

monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate, or percentage, find the standard error of this estimate. For an estimate of change in level, rate, or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two

estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

$$\text{Standard error of year-to-year change} = \sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

Where X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same

respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

Illustration. Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later, their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000, year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)},$$

or about 259,000.

Table E. Standard errors for estimates of month-to-month change

(In thousands)

Estimated monthly level	Characteristic ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years
50	8	8	13	13	12	13	12	12
100	11	11	18	18	16	18	17	18
500	25	25	39	34	37	40	38	35
1,000	36	35	54	36	51	54	52	37
2,000	50	47	72	—	72	70	69	—
4,000	70	62	88	—	99	78	85	—
6,000	86	70	88	—	118	60	87	—
8,000	98	73	71	—	132	—	—	—
10,000	109	71	—	—	143	—	—	—
15,000	131	42	—	—	160	—	—	—
20,000	148	—	—	—	165	—	—	—
30,000	174	—	—	—	—	—	—	—
40,000	191	—	—	—	—	—	—	—
50,000	203	—	—	—	—	—	—	—
60,000	210	—	—	—	—	—	—	—
70,000	212	—	—	—	—	—	—	—
80,000	211	—	—	—	—	—	—	—
100,000	193	—	—	—	—	—	—	—
120,000	153	—	—	—	—	—	—	—

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

Table G. Standard errors for month-to-month change in unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

Table H. Standard errors for estimated percentages and month-to-month change in percentages for labor force data

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

NOTE: The standard errors in this table must be multiplied by the factors in table I to obtain the approximate standard error for a specific characteristic.

Table I. Factors to be used with Table H to compute approximate standard errors for percentages and month-to-month change in percentages

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force.	1.01	1.21
Part-time labor force	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment and unemployment data:			Total or white:		
Total	1.00	.74	Total .....	.97	1.08
Men only .....	.93	.84	Both sexes, 16 to 19 years .....	.97	1.21
Women only .....	.86	.75	Black:		
Both sexes, 16 to 19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16 to 19 years	1.04	1.24

Table J. Factors to be used with Tables, D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages and change in yearly averages,

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men	1.30	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

Table K. Standard errors for estimates of quarterly level, to be used with CPS earnings data

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	-	127	-
10,000	149	165	102	144	157	155		145	
15,000	180	198	-	187	183	179		173	
20,000	205	224		192	199	193		195	
25,000	226	244		207	209	199		211	
30,000	224	261		219	212	198		224	
40,000	273	286		236	201	174		242	
50,000	296	301		-	-	-		-	
75,000	331	304							
100,000	343	255							

Establishment Data (Tables B-1 through C-8)

COLLECTION

Payroll reports provide current information on wage and salary employment and hours and earnings in nonagricultural establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, 1909-84*, and *Employment, Hours, and Earnings, States and Areas, 1939-82* and their annual supplements.

Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. 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 principal product or activity.

All data on employment, hours, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual (SICM)*, Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

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. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency are also excluded.

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

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 185 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*.

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 construction, and nonsupervisory employees in private service-producing industries.

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, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operation.

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working 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 other employees at similar occupational levels 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, vacation, 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, 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 included 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.

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.

Indexes of aggregate weekly hours. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

Average overtime hours. The overtime hours represent that portion of the average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her 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, 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 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 average hours.

Average hourly earnings. Average hourly earnings are on a "gross" basis. They reflect 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. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual

establishments. 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 do 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.

Average hourly earnings, including lump-sum wage payments. This series is compiled only for aircraft manufacturing, SIC 3721. The same concepts and estimation methods apply to this series as apply to the average hourly earnings series described above; the one difference between the two series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

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. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

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. 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. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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

Long-time trends of 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 services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

Real earnings, or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment 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, bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

A number of industries are stratified by size of

Table L. Summary of methods for computing industry statistics on employment, hours, and earnings

Employment, hours, and earnings	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry level (division and, where stratified, industry)
Monthly data		
All employees	All-employee 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. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employees estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers. ²	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
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.
Average hourly earnings	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

¹ The estimates are computed by multiplying the above product by bias adjustment factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias in the sample.

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by

a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample and, at the same time, tapers or wedges the estimate toward the level of the latest sample average.

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 in table L, 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 benchmarks (comprehensive counts of employment) for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1985 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 about 97 percent of employees on nonagricultural payrolls 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 for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods 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 made at the time of the March 1985 benchmark adjustment is shown in table M.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1985

Industry	Benchmark	Estimate	Percent difference
Total	96,042,000	96,045,000	(¹)
Mining	933,000	962,000	-3.1
Construction	4,241,000	4,180,000	1.4
Manufacturing	19,295,000	19,399,000	-5
Transportation and public utilities	5,155,000	5,205,000	-1.0
Wholesale trade	5,654,000	5,681,000	-5
Retail trade	16,782,000	16,818,000	-2
Finance, insurance, and real estate	5,825,000	5,796,000	.5
Services	21,561,000	21,536,000	.1
Government	16,596,000	16,468,000	.8

¹ Less than 0.05 percent.

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. 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 larger percent 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 design samples for these industries 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 do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS Current Employment Statistics program, with its 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 the reference period, 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 N 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.

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1985¹

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	243,000	38,173,000	40
Mining	3,600	374,000	40
Construction	22,500	858,000	20
Manufacturing	52,000	10,654,000	55
Transportation and public utilities	11,500	2,409,000	47
Wholesale trade	22,300	1,042,000	18
Retail trade	42,400	3,319,000	20
Finance, insurance, and real estate	17,100	2,091,000	36
Services	48,500	5,267,000	24
Government:			
Federal ²	5,100	2,839,000	100
State	3,800	3,087,000	79
Local	14,200	6,233,000	63

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

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 5,100 reports covering about 64 percent of employment in Federal establishments.

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 accumulate 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. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating 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 O and for individual industries with the specified number of employees in table P. 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 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 most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

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 Q 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 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data

Table O. Average benchmark revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry

(In percent)

Industry	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private	.3	0.1	0.2
Mining	2.9	1.0	1.3
Construction	1.6	.2	.5
Manufacturing	.6	.1	.2
Durable goods	.7	.1	.3
Nondurable goods	.6	.1	.2
Transportation and public utilities	.4	.7	.6
Wholesale trade	.3	.2	.4
Retail trade	1.2	.2	.4
Finance, insurance, and real estate	.3	.2	.4
Services	.2	.4	.6
Government ³	.4	-	-

¹ The average percent revision in employment for the 1981-85 benchmarks.

² Relative errors relate to 1982 data.

³ Estimates for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

Table P. 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 error ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	2.2	4.0
100,000 ..	3,900	1.3	2.3
200,000	5,600	1.1	2.0
500,000	14,000	.9	1.6
1,000,000 ...	15,000	.8	1.2
2,000,000 ..	26,000	.5	.9

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 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 in a summary volume published annually by the BLS.

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-square error of-		Industry	Root-mean-square error of-	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total	110,000	101,100	Nondurable goods—Continued		
Total private ¹	63,100	56,800	Chemicals and allied products	2,500	2,400
Goods-producing	35,200	29,400	Petroleum and coal products	1,700	1,600
Mining	5,500	5,300	Rubber and misc. plastics products	2,300	2,200
Oil and gas extraction ¹	4,600	4,300	Leather and leather products	2,800	2,600
Construction	18,300	13,500	Service-producing industries	98,200	94,000
General building contractors ¹	7,900	5,400	Transportation and public utilities	14,700	14,200
Manufacturing	28,700	27,200	Transportation ¹	18,400	17,800
Durable goods	22,100	20,200	Communication and public utilities ¹	5,200	4,800
Lumber and wood products	3,800	3,200	Wholesale trade ¹	8,500	7,800
Furniture and fixtures	3,000	2,400	Durable goods ¹	5,600	5,100
Stone, clay, and glass products	2,300	2,100	Nondurable goods ¹	5,000	4,500
Primary metal industries	6,100	5,900	Retail trade ¹	33,700	32,400
Blast furnaces and basic steel products ¹	5,000	4,900	General merchandise stores ¹	19,700	19,000
Fabricated metal products	4,600	3,900	Food stores ¹	6,500	5,800
Machinery, except electrical	8,700	7,800	Automotive dealers and service stations ¹	3,300	2,900
Electrical and electronic equipment	6,200	6,400	Eating and drinking places ¹	19,200	17,100
Transportation equipment	13,200	11,800	Finance, insurance, and real estate	8,600	7,300
Motor vehicles and equipment ¹	10,000	10,200	Finance ¹	4,200	3,600
Instruments and related products	2,200	2,100	Insurance ¹	2,800	2,200
Miscellaneous manufacturing	2,000	2,000	Real estate ¹	5,000	4,100
Nondurable goods	11,800	11,700	Services	32,200	27,900
Food and kindred products	8,500	8,600	Business services ¹	12,900	10,800
Tobacco manufactures	1,600	1,500	Health services ¹	10,500	10,200
Textile mill products	2,700	2,700	Government	72,400	66,100
Apparel and other textile products	6,500	6,100	Federal	18,200	15,100
Paper and allied products	1,900	1,700	State ¹	26,200	24,700
Printing and publishing	2,400	2,500	Local ¹	38,800	35,900

¹ Data are based on differences from January 1981 through December 1985; all other data reflect differences from January 1980 through December 1985.

Productivity Data (Tables C-9 through C-11)

COLLECTION

Productivity data 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.

CONCEPTS

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 all persons measure changes in the volume of goods and services produced per paid hour of labor input.

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 for All Urban Consumers (CPI-U).

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 include 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 business sector and the nonfarm business sector, these indexes relate to the gross domestic product less households and institutions, owner-occupied housing, and the statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing 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 hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202 523-9261).

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived from standardized procedures developed by BLS are the basis of determining eligibility of an area for benefits under Federal programs such as the Job Training Partnership Act and the Public Works and Economic Development Act.

Annual average data for the States and areas shown in table D are published in *Employment and Earnings*

(usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

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 Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The report "Employment and Unemployment in States and Local

Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

ESTIMATING METHODS

The civilian labor force and unemployment estimates in 11 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, North Carolina, and Florida; and two areas: Los Angeles—Long Beach metropolitan area and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts, see "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 39 States, the District of Columbia, and 253 labor market areas are prepared in several stages. The civilian labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total civilian employment estimate is based 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 CPS. Factors for adjusting from place of work to place of residence have been developed for the several categories of employment 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, to which are added estimates for employment not covered by unemployment insurance (UI).

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 UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current employment 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 to the employment estimate for each noncovered industry or class of worker subgroup in the State, the ratio of

covered unemployment to covered employment 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 civilian 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. *Correction factors for employment and unemployment* are then applied at the State level of the UI-based estimates obtained above for each of the 39 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6-month period ending in the current month (e.g., a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared for the State (obtained directly from the CPS in the 11 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all sub-state LMA estimates to ensure that the sub-state estimates of employment and unemployment add to the independent State totals. In California and New York, which also have sub-state areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year, monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 39 States and the District of Columbia for which monthly CPS estimates are not

available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in the State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based 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 third-stage estimates are forced into agreement with CPS annual averages. In the 11 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating 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 are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving average method. It provides for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and

had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places more emphasis on recent data, provides better seasonal adjustments than does the X-11 month alone.

The second change is that seasonal adjustment factors are calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a set of seasonal adjustment factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All 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 (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate

the civilian unemployment rate for the first 6 months of the following year, and a description of the current seasonal adjustment methodology are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current year's estimates are based on actual data through March 1986 and projected data through March 1987. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series since June 1981.

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 average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsuper-

visory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, wholesale trade, retail trade, manufacturing, and durable and nondurable goods industries, 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 1977 base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series, however.

Beginning in June 1983, seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers was substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal adjustment factors were based. In the past several years, the number of these workers has decreased to the point where their presence has no impact on seasonal adjustment. Temporary census takers for the 1980 decennial census are removed prior to the calculation of seasonal adjustment factors for Federal Government employment.

The revised seasonally adjusted series for the establishment data reflect experience through March 1986. Seasonal adjustment factors to be used for current adjustment appear in the June 1986 issue of *Employment and Earnings*.

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