



EMPLOYMENT AND EARNINGS

February 1988

U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
Revised seasonally adjusted labor force series





## U.S. DEPARTMENT OF LABOR

Ann McLaughlin, Secretary

### BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

*Employment and Earnings* is prepared in the Office of Employment and Unemployment Statistics in collaboration with the Office of Publications. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

*Employment and Earnings* may be ordered through the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Subscription price per year \$22 domestic and \$27.50 foreign. Single copy \$8.50 domestic and \$10.63 foreign. Annual supplement \$14 domestic and \$17.50 foreign. Prices are subject to change by the U.S. Government Printing Office. For ordering information call (202) 783-3238.

Communications on material in this publication should be addressed to: Editors, *Employment and Earnings*, Bureau of Labor Statistics, Washington, DC 20212, or phone: Gloria P. Green (202) 523-1959. Send correspondence on circulation and subscription matters (including address changes) to the Superintendent of Documents.

Second class postage paid at Washington, DC, and at additional mailing addresses.

Material in this publication is in the public domain and, with appropriate credit, may be reproduced without permission.

ISSN 0013-6840

## 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 <sup>1</sup>
----------------------------------	-------------------------

State and area annual averages	May
--------------------------------	-----

Area definitions	May
------------------	-----

### State and area labor force data

Annual averages	May
-----------------	-----

<sup>1</sup> The latest supplement was published in July 1987.

# Employment and Earnings

Vol. 35 No. 2 February 1988

---

Editors: Gloria Peterson Green, Rosalie K. Epstein

## Contents

	<i>Page</i>
List of statistical tables . . . . .	2
Employment and unemployment developments, January 1988	5
Statistical tables:	
<b>Not seasonally adjusted—</b>	
Household data . . . . .	10
Establishment data:	
Employment . . . . .	46
Hours and earnings . . . . .	81
State and area labor force data	114
<b>Seasonally adjusted—</b>	
Household data . . . . .	37
Establishment data:	
Employment . . . . .	58
Hours and earnings . . . . .	103
Productivity data . . . . .	111
<b>Revised seasonally adjusted labor force series, 1983–87 . . . . .</b>	<b>120</b>
Explanatory notes	173

# MONTHLY HOUSEHOLD DATA

Page

## Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1954 to date . . . . .	7
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1977 to date . . . . .	8
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1954 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, 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

# MONTHLY ESTABLISHMENT DATA

Page

## Employment—National

B- 1.	Employees on nonagricultural payrolls by major industry, 1936 to date	45
B- 2.	Employees on nonagricultural payrolls by detailed industry	46
B- 3.	Women employees on nonagricultural payrolls by major industry and manufacturing group	57
B- 4.	Employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	58
B- 5.	Women employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	59
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	60
B- 7.	Indexes of diffusion: Percent of industries in which employment increased, seasonally adjusted	61

## Employment—States and Areas

B- 8.	Employees on nonagricultural payrolls in States and selected areas by major industry	62
-------	--	----

## 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	81
C- 2.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by detailed industry	84
C- 2a.	Average hourly earnings in aircraft manufacturing	100
C- 3.	Average hourly earnings, excluding overtime of production workers on manufacturing payrolls	101
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	102
C- 5.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	103
C- 6.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	104
C- 7.	The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	105

## Hours and Earnings—States and Areas

C- 8.	Average hours and earnings of production workers on manufacturing payrolls in States and selected areas	106
-------	---	-----

# PRODUCTIVITY DATA

C- 9.	Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted	111
C-10.	Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted	112
C-11.	Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates	113

# MONTHLY STATE AND AREA LABOR FORCE DATA

D- 1.	Labor force status by State and selected metropolitan areas	114
-------	---	-----

# REVISED MONTHLY HOUSEHOLD DATA

*Page*

## **Revised Seasonally Adjusted Labor Force Series**

1. Labor force by sex, age, race, Hispanic origin, and marital status .	120
2. Labor force participation rates by sex, age, race, and Hispanic origin .	127
3. Employed persons by sex, age, race, Hispanic origin, and marital status .	134
4. Employed civilians in agricultural and nonagricultural industries by selected characteristics .	141
5. Persons at work on part-time schedules by reason .	144
6. Employment-population ratios by sex, age, race, and Hispanic origin .	145
7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status .	152
8. Unemployed persons by reason for and duration of unemployment .	160
9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status .	162
10. Unemployment rates for wage and salary workers by industry	170

# Employment and Unemployment Developments, January 1988

Unemployment was unchanged in January, and the growth in nonfarm payroll jobs slowed. The overall jobless rate was 5.7 percent and the civilian worker rate was 5.8 percent. Both rates have shown little change since last summer.

Nonagricultural payroll employment, as measured by the monthly survey of business establishments, increased marginally in January—by 105,000—while total civilian employment, as measured by the monthly survey of households, rose more markedly—385,000. Over the past year, employment levels in the establishment and household surveys have advanced by 2.8 and 3.1 million, respectively.

## Unemployment

Both the number of unemployed persons in January—7.0 million—and the civilian unemployment rate—5.8 percent—were unchanged from December, after seasonal adjustment. Jobless rates for adult men and women (each at 5.1 percent), teenagers (16.0 percent), whites (5.0 percent), and blacks (12.2 percent) also showed little or no change over the month. The unemployment rate for Hispanics, which tends to fluctuate more than those of whites and blacks, edged down to 7.2 percent over the month. (See tables A-33 and A-34.)

The average (mean) duration of unemployment, at 14.4 weeks, was little changed in January, while median duration was up slightly to 6.4 weeks. (See table A-40.)

## Civilian employment and the labor force

Total civilian employment rose by 385,000 in January to 114.1 million, after seasonal adjustment, and the proportion of the population with jobs increased two-tenths of a percentage point to a high of 62.1 percent. Over the past year, civilian employment has increased by 3.1 million. Hispanics, who make up about 7 percent of employed persons, accounted for more than 20 percent of the over-the-year gain. (See tables A-33 and A-34.)

The civilian labor force expanded by 450,000 in January to a seasonally adjusted level of 121.2 million. The labor force has grown by 2.0 million over the past year, with the labor force participation rate rising to a record 65.9 percent in January. (See table A-33.)

## Industry payroll employment

Nonagricultural payroll employment edged up by 105,000 in January to a seasonally adjusted level of 103.7 million.

In the prior 3 months, the month-to-month gains had averaged nearly 400,000. (See table B-4.)

In the service-producing sector, the usually robust services industry grew by only 30,000, whereas retail trade showed a large increase of 155,000, after seasonal adjustment. The developments in retail trade reflect the fact that fewer workers than normal lost their jobs in post-holiday cutbacks. Wholesale trade continued to grow in January, adding 20,000 jobs. Government employment fell by 65,000, returning to the November level. Employment in finance, insurance, and real estate has shown little change since October.

Manufacturing exhibited only moderate growth in January, adding 25,000 jobs. While durable goods industries related to construction and auto manufacturing demonstrated weakness, machinery and electrical equipment continued to increase. Within nondurable industries, job gains in printing and publishing and the volatile food industry were partly offset by losses in textiles and apparel. Factory job gains had averaged 60,000 per month in the second half of last year. Elsewhere in the goods-producing sector, there was a seasonally adjusted drop of 15,000 in mining, most of it in oil and gas extraction, while construction employment, which had shown strength in the October-to-December period, fell 50,000.

## Weekly hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was unchanged in January at 34.7 hours, seasonally adjusted. The manufacturing workweek edged up by a tenth of an hour to 41.1 hours, and factory overtime (3.9 hours) remained very high. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls rose by 0.2 percent to 122.2 (1977=100), seasonally adjusted. The manufacturing index, at 95.4, was little changed from December. (See table C-6.)

## Hourly and weekly earnings

Both average hourly and weekly earnings rose by 0.4 percent in January, seasonally adjusted. Prior to seasonal adjustment, average hourly earnings rose by 6 cents to \$9.18; average weekly earnings, however, fell \$2.50 to \$315.79, as a result of a seasonal decline in the work-

week. (See tables C-1 and C-7.)

### The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 176.3 (1977=100) in January, seasonally adjusted, an increase of 0.5 percent from December. For the 12 months ended in Jan-

uary, the increase was 2.9 percent. In dollars of constant purchasing power, the HEI decreased 1.8 percent during the 12-month period ending in December. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in manufacturing overtime and interindustry employment shifts. (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>
February	March 4	May	June 3
March	April 1	June	July 8
April	May 6	July	August 5



**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1954 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				
<b>Annual averages</b>												
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 <sup>1</sup> .....	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 <sup>1</sup> .....	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 <sup>1</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup> .....	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 <sup>1</sup> .....	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	62,685	
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 <sup>1</sup> .....	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
1987 .....	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1987:</b>												
January .....	183,575	120,726	65.8	112,762	1,748	111,014	3,174	107,840	7,964	6.6	62,849	
February .....	183,738	120,970	65.8	113,084	1,740	111,344	3,225	108,119	7,886	6.5	62,768	
March .....	183,915	120,982	65.8	113,191	1,736	111,455	3,237	108,218	7,791	6.4	62,933	
April .....	184,079	121,098	65.8	113,541	1,735	111,806	3,250	108,556	7,557	6.2	62,981	
May .....	184,259	121,633	66.0	114,060	1,726	112,334	3,269	109,065	7,573	6.2	62,626	
June .....	184,421	121,326	65.8	114,018	1,718	112,300	3,192	109,108	7,308	6.0	63,095	
July .....	184,605	121,610	65.9	114,359	1,720	112,639	3,212	109,427	7,251	6.0	62,995	
August .....	184,738	122,042	66.1	114,786	1,736	113,050	3,143	109,907	7,256	5.9	62,696	
September .....	184,904	121,706	65.8	114,615	1,743	112,872	3,184	109,688	7,091	5.8	63,198	
October .....	185,052	122,128	66.0	114,951	1,741	113,210	3,249	109,961	7,177	5.9	62,924	
November .....	185,225	122,349	66.1	115,259	1,755	113,504	3,172	110,332	7,090	5.8	62,876	
December .....	185,370	122,472	66.1	115,494	1,750	113,744	3,215	110,529	6,978	5.7	62,898	
<b>1988:</b>												
January .....	185,571	122,924	66.2	115,878	1,749	114,129	3,293	110,836	7,046	5.7	62,647	

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

<sup>2</sup> 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) 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, 1977 to date**

(Numbers in thousands)

Sex, 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	
<b>Annual averages</b>											
<b>MEN</b>											
1977 .....	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797
1978 <sup>1</sup> .....	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 <sup>1</sup> .....	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376
1987 .....	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1987:</b>											
January .....	88,020	67,602	76.8	63,153	1,591	61,562	2,507	59,055	4,449	6.6	20,418
February .....	88,099	67,655	76.8	63,281	1,584	61,697	2,545	59,152	4,374	6.5	20,444
March .....	88,186	67,590	76.6	63,263	1,575	61,688	2,582	59,106	4,327	6.4	20,596
April .....	88,271	67,604	76.6	63,390	1,575	61,815	2,608	59,207	4,214	6.2	20,667
May .....	88,361	67,802	76.7	63,543	1,566	61,977	2,594	59,383	4,259	6.3	20,559
June .....	88,442	67,623	76.5	63,543	1,559	61,984	2,530	59,454	4,080	6.0	20,819
July .....	88,534	67,671	76.4	63,711	1,561	62,150	2,547	59,603	3,960	5.9	20,863
August .....	88,598	67,937	76.7	63,916	1,575	62,341	2,489	59,852	4,021	5.9	20,661
September .....	88,683	67,776	76.4	63,949	1,581	62,368	2,547	59,821	3,827	5.6	20,907
October .....	88,756	67,947	76.6	64,048	1,580	62,468	2,569	59,899	3,899	5.7	20,809
November .....	88,849	68,019	76.6	64,174	1,593	62,581	2,491	60,090	3,845	5.7	20,830
December .....	88,924	68,030	76.5	64,245	1,589	62,656	2,523	60,133	3,785	5.6	20,894
<b>1988:</b>											
January .....	89,033	68,243	76.6	64,396	1,588	62,808	2,593	60,216	3,847	5.6	20,790
<b>Annual averages</b>											
<b>WOMEN</b>											
1977 .....	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227
1978 <sup>1</sup> .....	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 <sup>1</sup> .....	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376
1987 .....	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1987:</b>											
January .....	95,556	53,124	55.6	49,609	157	49,452	667	48,785	3,515	6.6	42,432
February .....	95,639	53,315	55.7	49,803	156	49,647	680	48,967	3,512	6.6	42,324
March .....	95,729	53,392	55.8	49,928	161	49,767	655	49,112	3,464	6.5	42,337
April .....	95,808	53,494	55.8	50,151	160	49,991	642	49,349	3,343	6.2	42,314
May .....	95,898	53,831	56.1	50,517	160	50,357	675	49,682	3,314	6.2	42,067
June .....	95,979	53,703	56.0	50,475	159	50,316	662	49,654	3,228	6.0	42,276
July .....	96,071	53,939	56.1	50,648	159	50,489	665	49,824	3,291	6.1	42,132
August .....	96,140	54,105	56.3	50,870	161	50,709	654	50,055	3,235	6.0	42,035
September .....	96,221	53,930	56.0	50,666	162	50,504	637	49,867	3,264	6.1	42,291
October .....	96,295	54,181	56.3	50,903	161	50,742	680	50,062	3,278	6.1	42,114
November .....	96,376	54,330	56.4	51,085	162	50,923	681	50,242	3,245	6.0	42,046
December .....	96,446	54,442	56.4	51,249	161	51,088	692	50,396	3,193	5.9	42,004
<b>1988:</b>											
January .....	96,538	54,681	56.6	51,482	161	51,321	700	50,621	3,200	5.9	41,857

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

<sup>2</sup> 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, 1954 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								
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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
Monthly data, seasonally adjusted <sup>2</sup>								
<b>1987:</b>								
January	181,827	118,978	65.4	111,014	7,964	6.7	6.7	6.6
February	181,998	119,230	65.5	111,344	7,886	6.6	6.6	6.6
March	182,179	119,246	65.5	111,455	7,791	6.5	6.6	6.5
April	182,344	119,363	65.5	111,806	7,557	6.3	6.4	6.3
May	182,533	119,907	65.7	112,334	7,573	6.3	6.4	6.2
June	182,703	119,608	65.5	112,300	7,308	6.1	6.2	6.0
July	182,885	119,890	65.6	112,639	7,251	6.0	6.0	6.1
August	183,002	120,306	65.7	113,050	7,256	6.0	6.1	6.0
September	183,161	119,963	65.5	112,872	7,091	5.9	5.8	6.1
October	183,311	120,387	65.7	113,210	7,177	6.0	5.9	6.1
November	183,470	120,594	65.7	113,504	7,090	5.9	5.8	6.0
December	183,620	120,722	65.7	113,744	6,978	5.8	5.7	5.9
<b>1988:</b>								
January	183,822	121,175	65.9	114,129	7,046	5.8	5.8	5.9

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

Explanatory Notes.

<sup>2</sup> 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	January 1988										
	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					
<b>TOTAL</b>											
16 years and over .....	183,822	119,742	65.1	112,139	7,803	6.3	64,079	28,931	9,075	3,088	23,006
18 to 19 years .....	14,592	7,394	50.7	6,150	1,244	18.8	7,198	458	6,157	30	553
16 to 17 years .....	7,418	2,964	40.0	2,408	559	18.8	4,453	107	4,201	5	141
18 to 19 years .....	7,174	4,430	61.7	3,744	666	15.5	2,744	351	1,956	24	413
20 to 24 years .....	18,635	14,481	77.7	13,027	1,454	10.0	4,154	1,501	1,815	117	721
25 to 54 years .....	100,429	82,900	82.5	78,556	4,344	5.2	17,530	12,294	1,069	1,069	3,098
25 to 34 years .....	42,511	35,298	83.0	33,082	2,217	6.3	7,213	5,097	735	263	1,117
25 to 29 years .....	21,371	17,781	83.2	16,808	1,173	6.6	3,590	2,444	462	98	586
30 to 34 years .....	21,140	17,517	82.9	16,473	1,044	8.0	3,623	2,653	272	165	532
35 to 44 years .....	34,323	28,932	84.3	27,572	1,360	4.7	5,391	3,849	281	349	932
35 to 39 years .....	18,713	15,770	84.3	15,021	749	4.7	2,943	2,175	163	154	486
40 to 44 years .....	15,609	13,182	84.3	12,551	611	4.6	2,447	1,708	98	196	446
45 to 54 years .....	23,596	18,870	79.1	17,903	787	4.1	4,928	3,348	72	456	1,049
45 to 49 years .....	12,838	10,346	81.9	9,931	415	4.0	2,290	1,602	49	201	437
50 to 54 years .....	10,960	8,324	75.9	7,972	352	4.2	2,636	1,746	23	256	611
55 to 64 years .....	21,739	11,825	54.4	11,366	459	3.9	3,914	5,086	18	643	4,166
55 to 59 years .....	10,925	7,074	64.8	6,794	280	4.0	3,851	2,213	12	324	1,302
60 to 64 years .....	10,814	4,751	43.9	4,572	179	3.8	6,063	2,873	7	320	2,864
65 years and over .....	28,426	3,142	11.1	3,040	102	3.2	25,284	9,592	18	1,208	14,468
65 to 69 years .....	9,803	1,908	19.5	1,845	83	3.3	7,895	3,126	9	303	4,457
70 to 74 years .....	7,847	784	10.3	757	27	3.4	8,883	2,577	1	239	4,044
75 years and over .....	10,976	449	4.1	438	12	2.7	10,527	3,890	5	867	5,967
<b>Men</b>											
16 years and over .....	87,445	65,822	75.3	61,458	4,364	6.8	21,623	810	4,612	1,877	14,724
16 to 19 years .....	7,324	3,791	51.8	3,101	689	18.2	3,534	45	3,154	17	318
16 to 17 years .....	3,791	1,529	40.3	1,210	319	20.9	2,262	19	2,157	3	82
18 to 19 years .....	3,533	2,261	64.0	1,891	370	16.4	1,272	25	996	14	238
20 to 24 years .....	9,031	7,520	83.3	6,863	857	11.4	1,511	31	974	79	427
25 to 54 years .....	49,083	45,770	93.3	43,335	2,437	5.3	3,312	206	472	707	1,927
25 to 34 years .....	20,866	19,642	94.1	18,384	1,257	6.4	1,224	89	341	172	624
25 to 29 years .....	10,480	9,819	93.7	9,143	676	6.9	660	28	231	68	333
30 to 34 years .....	10,386	9,822	94.6	9,241	581	5.9	584	60	109	104	291
35 to 44 years .....	16,785	15,770	94.0	15,043	727	4.6	1,015	57	105	236	617
35 to 39 years .....	9,198	8,684	94.4	8,267	417	4.8	514	26	66	103	319
40 to 44 years .....	7,586	7,086	93.4	6,776	310	4.4	500	31	38	133	298
45 to 54 years .....	11,432	10,359	90.6	9,907	452	4.4	1,073	61	27	300	686
45 to 49 years .....	6,155	5,706	92.7	5,470	236	4.1	449	27	17	131	274
50 to 54 years .....	5,277	4,653	88.2	4,437	216	4.6	624	34	10	169	411
55 to 64 years .....	10,238	6,909	67.5	6,588	321	4.6	3,329	106	7	381	2,835
55 to 59 years .....	5,218	4,106	78.7	3,898	207	5.1	1,112	43	4	209	857
60 to 64 years .....	5,020	2,803	55.8	2,690	113	4.0	2,217	63	4	172	1,978
65 years and over .....	11,768	1,831	15.6	1,771	60	3.3	9,937	222	4	493	9,218
65 to 69 years .....	4,455	1,107	24.8	1,074	33	2.9	3,348	58	2	172	3,116
70 to 74 years .....	3,281	447	13.6	427	20	4.5	2,834	60	114	114	2,659
75 years and over .....	4,032	277	6.9	270	8	2.7	3,755	104	2	207	3,443
<b>Women</b>											
16 years and over .....	96,377	53,921	55.9	50,681	3,239	6.0	42,456	28,321	4,463	1,390	8,282
16 to 19 years .....	7,268	3,604	49.6	3,048	555	15.4	3,664	413	3,003	13	235
16 to 17 years .....	3,626	1,435	39.6	1,195	240	16.7	2,192	87	2,044	3	58
18 to 19 years .....	3,641	2,169	59.6	1,853	316	14.6	1,472	326	959	10	177
20 to 24 years .....	9,604	6,961	72.5	6,364	597	8.6	2,643	1,470	841	38	294
25 to 54 years .....	51,346	37,129	72.3	35,222	1,907	5.1	14,218	12,088	597	362	1,171
25 to 34 years .....	21,645	15,657	72.3	14,697	959	6.1	5,989	5,009	395	92	494
25 to 29 years .....	10,891	7,962	73.1	7,465	497	6.2	2,930	2,416	231	30	253
30 to 34 years .....	10,754	7,695	71.6	7,232	463	6.0	3,059	2,593	163	61	241
35 to 44 years .....	17,538	13,162	75.0	12,529	633	4.8	4,377	3,792	157	113	315
35 to 39 years .....	9,515	7,086	74.5	6,754	332	4.7	2,429	2,115	97	51	167
40 to 44 years .....	8,023	6,076	75.7	5,775	301	5.0	1,947	1,677	60	63	148
45 to 54 years .....	12,163	8,311	68.3	7,996	315	3.8	3,852	3,287	45	157	363
45 to 49 years .....	6,481	4,640	71.6	4,461	179	3.9	1,841	1,575	32	70	163
50 to 54 years .....	5,883	3,671	64.6	3,535	136	3.7	2,012	1,712	13	87	200
55 to 64 years .....	11,501	4,917	42.7	4,778	138	2.8	6,585	4,980	11	262	1,331
55 to 59 years .....	5,707	2,969	52.0	2,896	73	2.5	2,738	2,170	8	115	445
60 to 64 years .....	5,794	1,948	33.6	1,882	66	3.4	3,846	2,810	3	147	886
65 years and over .....	16,658	1,310	7.9	1,269	42	3.2	15,348	9,371	12	715	5,250
65 to 69 years .....	5,348	801	15.0	771	30	3.8	4,547	3,068	7	131	1,341
70 to 74 years .....	4,366	337	7.7	330	7	2.1	4,029	2,517	1	125	1,385
75 years and over .....	6,944	172	2.5	168	4	2.1	6,772	3,786	3	460	2,524

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	January 1988										
	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					
<b>WHITE</b>											
16 years and over .....	157,676	103,120	65.4	97,311	5,809	5.6	54,556	25,308	6,923	2,383	19,942
16 to 19 years .....	11,894	6,441	54.2	5,481	960	14.9	5,453	358	4,686	21	389
16 to 17 years .....	6,026	2,607	43.3	2,169	437	16.8	3,420	91	3,219	3	107
18 to 19 years .....	5,868	3,834	65.3	3,312	522	13.6	2,034	266	1,468	18	282
20 to 24 years .....	15,506	12,303	79.3	11,245	1,058	8.6	3,203	1,178	1,428	89	508
25 to 54 years .....	85,601	71,099	83.1	67,786	3,313	4.7	14,502	10,527	779	789	2,407
25 to 34 years .....	35,808	29,983	83.7	28,354	1,629	5.4	5,825	4,255	554	200	815
25 to 29 years .....	17,944	15,056	83.9	14,187	869	5.8	2,888	2,024	362	78	425
30 to 34 years .....	17,864	14,927	83.6	14,167	760	5.1	2,936	2,232	192	123	390
35 to 44 years .....	29,470	24,970	84.7	23,891	1,080	4.3	4,500	3,359	171	251	719
35 to 39 years .....	15,889	13,449	84.6	12,873	576	6.9	2,440	1,849	108	112	375
40 to 44 years .....	13,581	11,522	84.8	11,017	505	4.4	2,060	1,525	63	139	345
45 to 54 years .....	20,322	16,145	79.4	15,541	604	3.7	4,177	2,912	55	338	871
45 to 49 years .....	10,860	8,928	82.2	8,595	333	3.7	1,931	1,388	35	153	353
50 to 54 years .....	9,462	7,217	76.3	6,947	270	4.6	2,245	1,527	20	185	519
55 to 64 years .....	19,116	10,460	54.7	10,076	385	3.7	8,656	4,533	15	497	3,610
55 to 59 years .....	9,549	6,232	65.3	5,999	233	3.7	3,317	1,956	8	250	1,103
60 to 64 years .....	9,567	4,228	44.2	4,076	152	3.6	5,339	2,577	7	247	2,507
65 years and over .....	25,560	2,818	11.0	2,724	94	3.3	22,742	8,712	14	986	13,029
65 to 69 years .....	8,742	1,701	19.5	1,645	58	3.4	7,039	2,815	7	233	3,985
70 to 74 years .....	6,882	711	10.3	684	29	4.1	6,171	2,346	2	191	3,631
75 years and over .....	9,937	405	4.1	396	9	2.2	9,532	3,551	5	563	5,413
<b>Men</b>											
16 years and over .....	75,574	57,438	76.0	53,984	3,454	6.0	18,135	462	3,547	1,313	12,813
16 to 19 years .....	5,989	3,304	55.2	2,764	540	16.3	2,685	32	2,425	8	221
16 to 17 years .....	3,083	1,326	43.0	1,072	254	19.2	1,756	15	1,676		65
18 to 19 years .....	2,906	1,977	68.0	1,692	286	14.5	929	17	748	8	156
20 to 24 years .....	7,579	6,415	84.6	5,768	647	10.1	1,164	19	778	64	303
25 to 54 years .....	42,346	39,851	94.1	37,913	1,938	4.9	2,486	145	334	532	1,484
25 to 34 years .....	17,830	16,937	95.0	15,968	969	5.7	893	56	254	133	450
25 to 29 years .....	8,911	8,423	94.5	7,897	526	6.2	488	17	173	53	245
30 to 34 years .....	8,920	8,514	95.5	8,071	443	5.2	405	39	81	80	205
35 to 44 years .....	14,565	13,828	94.9	13,232	595	4.3	737	43	60	166	467
35 to 39 years .....	7,877	7,503	95.2	7,172	331	4.4	374	21	39	71	243
40 to 44 years .....	6,687	6,325	94.6	6,060	265	4.2	363	22	21	95	225
45 to 54 years .....	9,951	9,086	91.3	8,713	373	4.1	865	46	20	234	566
45 to 49 years .....	5,334	4,985	93.5	4,778	207	4.2	349	17	11	96	226
50 to 54 years .....	4,617	4,101	88.8	3,935	166	4.1	516	29	9	137	340
55 to 64 years .....	9,052	6,188	68.4	5,914	274	4.4	2,863	84	6	296	2,478
55 to 59 years .....	4,580	3,651	79.7	3,478	173	4.7	928	37	2	165	724
60 to 64 years .....	4,472	2,537	56.7	2,436	101	4.0	1,935	47	4	131	1,754
65 years and over .....	10,608	1,681	15.8	1,625	55	3.3	8,927	182	4	413	8,328
65 to 69 years .....	3,989	1,003	25.2	976	28	2.7	2,985	42	2	138	2,803
70 to 74 years .....	2,968	416	14.0	396	21	5.0	2,552	53		97	2,401
75 years and over .....	3,651	261	7.1	254	7	2.8	3,390	87	2	179	3,123
<b>Women</b>											
16 years and over .....	82,103	45,682	55.6	43,327	2,355	5.2	36,420	24,846	3,376	1,089	7,129
16 to 19 years .....	5,906	3,137	53.1	2,718	420	13.4	2,768	326	2,262	13	168
16 to 17 years .....	2,944	1,280	43.5	1,097	183	14.3	1,663	77	1,542	3	42
18 to 19 years .....	2,962	1,857	62.7	1,621	236	12.7	1,105	249	719	11	126
20 to 24 years .....	7,927	5,888	74.3	5,477	411	7.0	2,039	1,159	650	25	204
25 to 54 years .....	43,255	31,248	72.2	29,873	1,375	4.4	12,006	10,382	445	257	923
25 to 34 years .....	17,978	13,046	72.6	12,386	660	5.1	4,932	4,199	300	67	365
25 to 29 years .....	9,033	6,633	73.4	6,290	343	5.2	2,400	2,007	189	25	180
30 to 34 years .....	8,944	6,413	71.7	6,096	317	4.9	2,531	2,193	111	43	185
35 to 44 years .....	14,906	11,143	74.8	10,658	484	4.3	3,763	3,316	111	85	252
35 to 39 years .....	8,012	5,946	74.2	5,701	245	4.1	2,066	1,825	69	41	132
40 to 44 years .....	6,894	5,197	75.4	4,957	240	4.6	1,697	1,491	42	44	120
45 to 54 years .....	10,371	7,059	68.1	6,829	230	3.3	3,312	2,867	35	105	305
45 to 49 years .....	5,526	3,943	71.4	3,817	126	3.2	1,582	1,375	24	57	127
50 to 54 years .....	4,845	3,116	64.3	3,012	104	3.3	1,729	1,491	11	48	179
55 to 64 years .....	10,064	4,272	42.4	4,162	110	2.6	5,792	4,449	10	201	1,132
55 to 59 years .....	4,970	2,581	51.9	2,521	60	2.3	2,389	1,919	6	85	378
60 to 64 years .....	5,095	1,691	33.2	1,640	51	3.0	3,404	2,530	3	116	754
65 years and over .....	14,952	1,137	7.6	1,098	39	3.4	13,815	8,530	10	573	4,702
65 to 69 years .....	4,753	698	14.7	669	30	4.2	4,054	2,773	5	95	1,182
70 to 74 years .....	3,914	295	7.5	288	8	2.7	3,619	2,293	2	94	1,230
75 years and over .....	6,286	144	2.3	142	2	1.6	6,142	3,464	3	384	2,290

**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	January 1988										
	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					
<b>BLACK</b>											
16 years and over .....	20,539	12,967	63.1	11,417	1,550	12.0	7,573	2,760	1,622	618	2,571
16 to 19 years .....	2,171	749	34.5	492	257	34.4	1,422	87	1,191	9	136
16 to 17 years .....	1,132	273	24.1	173	100	36.6	860	15	818	2	24
18 to 19 years .....	1,039	477	45.9	319	158	33.1	562	71	373	6	112
20 to 24 years .....	2,549	1,804	70.8	1,447	356	19.8	745	275	281	23	166
25 to 54 years .....	11,334	9,072	80.0	8,207	864	9.5	2,263	1,261	149	253	598
25 to 34 years .....	5,193	4,191	80.7	3,682	509	12.1	1,003	591	87	58	266
25 to 29 years .....	2,665	2,151	80.7	1,883	268	12.5	514	304	45	19	146
30 to 34 years .....	2,528	2,040	80.7	1,799	241	11.8	489	287	42	40	120
35 to 44 years .....	3,645	2,964	81.3	2,746	219	7.4	681	354	53	92	181
35 to 39 years .....	2,087	1,715	82.2	1,579	135	7.9	374	213	29	38	93
40 to 44 years .....	1,557	1,250	80.3	1,166	83	6.6	307	141	24	55	88
45 to 54 years .....	2,496	1,916	76.8	1,779	137	7.2	579	316	9	103	151
45 to 49 years .....	1,326	1,057	79.7	988	69	6.5	268	152	9	38	69
50 to 54 years .....	1,170	859	73.4	790	68	7.9	311	163		65	83
55 to 64 years .....	2,106	1,087	51.6	1,023	64	5.9	1,019	406	1	133	478
55 to 59 years .....	1,101	665	60.5	624	42	6.3	435	192	2	66	175
60 to 64 years .....	1,005	422	41.9	399	22	5.3	584	214		67	303
65 years and over .....	2,379	255	10.7	248	7	2.8	2,124	731		200	1,193
65 to 69 years .....	869	168	19.3	162	5	3.0	702	254		59	389
70 years and over .....	1,509	88	5.8	86	2	2.3	1,422	477		141	804
<b>Men</b>											
16 years and over .....	9,216	6,417	69.6	5,649	768	12.0	2,800	127	754	320	1,598
16 to 19 years .....	1,068	388	36.3	252	137	35.2	680	13	579	9	79
16 to 17 years .....	570	158	27.8	104	54	34.4	412	4	394	2	11
18 to 19 years .....	498	230	46.2	148	82	35.7	268	8	185	6	68
20 to 24 years .....	1,160	908	78.3	720	187	20.6	252	9	128	13	102
25 to 54 years .....	5,078	4,443	87.5	4,041	400	9.0	638	51	47	152	388
25 to 34 years .....	2,346	2,100	89.5	1,855	245	11.7	247	29	28	34	156
25 to 29 years .....	1,205	1,088	90.3	957	131	12.1	117	8	16	13	80
30 to 34 years .....	1,142	1,012	88.6	898	114	11.2	131	21	12	22	76
35 to 44 years .....	1,623	1,402	86.3	1,307	95	6.8	222	12	19	64	127
35 to 39 years .....	930	826	88.7	762	63	7.7	105	3	11	28	62
40 to 44 years .....	693	576	83.1	544	32	5.5	117	8	8	37	64
45 to 54 years .....	1,109	940	84.8	880	60	6.4	169	10		54	105
45 to 49 years .....	589	514	87.2	496	18	3.5	75	5	1	27	42
50 to 54 years .....	520	426	82.0	384	42	9.8	93	4		26	63
55 to 64 years .....	949	554	58.4	516	38	6.9	394	16		78	300
55 to 59 years .....	498	342	68.6	313	28	8.3	156	4		39	112
60 to 64 years .....	450	213	47.2	203	10	4.6	238	12		39	188
65 years and over .....	960	125	13.0	120	5	4.0	836	38		68	729
65 to 69 years .....	379	85	22.4	80	5	5.9	294	14		27	253
70 years and over .....	581	40	6.8	40		( <sup>1</sup> )	542	24		41	477
<b>Women</b>											
16 years and over .....	11,323	6,550	57.8	5,768	782	11.9	4,773	2,634	868	298	973
16 to 19 years .....	1,103	361	32.7	240	121	33.5	742	74	612		57
16 to 17 years .....	562	114	20.3	69	45	39.7	448	11	424		13
18 to 19 years .....	541	247	45.6	171	76	30.6	294	63	188		44
20 to 24 years .....	1,389	896	64.5	727	169	18.9	493	266	153	10	64
25 to 54 years .....	6,256	4,629	74.0	4,166	464	10.0	1,625	1,210	102	101	210
25 to 34 years .....	2,847	2,091	73.5	1,827	264	12.6	755	562	59	24	110
25 to 29 years .....	1,460	1,063	72.8	926	137	12.9	397	296	29	6	66
30 to 34 years .....	1,386	1,028	74.1	901	127	12.3	358	266	30	18	44
35 to 44 years .....	2,022	1,563	77.3	1,439	123	7.9	459	342	34	28	54
35 to 39 years .....	1,157	889	76.8	817	72	8.1	269	210	18	10	31
40 to 44 years .....	864	674	78.0	622	51	7.6	190	133	16	18	24
45 to 54 years .....	1,387	976	70.4	899	77	7.9	411	306	9	49	46
45 to 49 years .....	737	543	73.8	492	51	9.4	193	147	8	11	27
50 to 54 years .....	650	433	66.5	406	26	6.0	218	159		39	20
55 to 64 years .....	1,157	533	46.0	507	26	4.9	625	390	1	55	178
55 to 59 years .....	603	324	53.7	310	13	4.1	279	188	2	27	63
60 to 64 years .....	555	209	37.7	196	13	6.1	346	202		28	115
65 years and over .....	1,419	130	9.2	128	2	1.6	1,288	693		132	464
65 to 69 years .....	490	83	16.8	82		.2	408	240		32	136
70 years and over .....	928	48	5.2	46	2	( <sup>1</sup> )	880	453		100	327

<sup>1</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	January 1988								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	26,146	16,622	63.6	14,828	155	14,673	1,794	10.8	9,524
16 to 19 years .....	2,697	959	35.3	668	2	666	285	29.9	1,744
16 to 17 years .....	1,391	358	25.7	236	2	235	121	33.9	1,034
18 to 19 years .....	1,306	596	45.6	432	-	432	164	27.5	710
20 to 24 years .....	3,130	2,179	69.6	1,782	11	1,772	396	18.2	951
25 to 54 years .....	14,831	11,802	79.6	10,771	96	10,674	1,032	8.7	3,028
25 to 34 years .....	6,704	5,315	79.3	4,728	49	4,679	588	11.1	1,388
25 to 29 years .....	3,427	2,726	79.5	2,421	25	2,396	303	11.1	702
30 to 34 years .....	3,276	1,379	42.1	2,306	24	2,282	284	20.8	688
35 to 44 years .....	4,853	3,962	81.6	3,681	23	3,658	280	7.1	891
35 to 39 years .....	2,824	2,321	82.2	2,148	6	2,141	173	7.5	503
40 to 44 years .....	2,028	1,641	80.9	1,534	18	1,517	106	6.5	387
45 to 54 years .....	3,274	2,525	77.1	2,362	24	2,337	163	6.5	749
45 to 49 years .....	1,776	1,418	79.8	1,336	11	1,324	82	5.8	358
50 to 54 years .....	1,498	1,107	73.9	1,025	13	1,013	82	7.4	391
55 to 64 years .....	2,623	1,365	52.0	1,290	26	1,265	75	5.5	1,258
55 to 59 years .....	1,376	842	61.2	795	21	773	47	5.8	534
60 to 64 years .....	1,247	523	41.9	496	4	491	27	5.2	724
65 years and over .....	2,866	324	11.3	316	20	296	7	2.3	2,542
65 to 69 years .....	1,062	207	19.5	201	8	194	5	2.4	856
70 to 74 years .....	765	73	9.5	73	11	62	1	( <sup>1</sup> )	691
75 years and over .....	1,039	44	4.2	42	2	40	1	( <sup>1</sup> )	996
<b>Men</b>									
16 years and over .....	11,871	8,383	70.6	7,474	130	7,344	910	10.8	3,488
16 to 19 years .....	1,335	487	36.5	338	1	337	149	30.7	849
16 to 17 years .....	709	203	28.6	138	1	137	65	31.9	506
18 to 19 years .....	627	284	45.3	199	-	199	85	29.8	343
20 to 24 years .....	1,453	1,105	76.1	895	8	887	210	19.0	347
25 to 54 years .....	6,737	5,920	87.9	5,422	84	5,337	499	8.4	817
25 to 34 years .....	3,036	2,705	89.1	2,417	44	2,372	288	10.7	331
25 to 29 years .....	1,569	1,397	89.0	1,246	24	1,222	150	10.8	172
30 to 34 years .....	1,467	1,308	89.2	1,170	20	1,150	138	10.5	159
35 to 44 years .....	2,220	1,942	87.5	1,811	20	1,791	132	6.8	278
35 to 39 years .....	1,321	1,181	89.4	1,095	5	1,090	86	7.3	140
40 to 44 years .....	899	762	84.7	716	16	701	45	6.0	137
45 to 54 years .....	1,481	1,273	86.0	1,194	20	1,174	79	6.2	208
45 to 49 years .....	821	721	87.8	692	10	681	29	4.0	100
50 to 54 years .....	660	552	83.6	502	10	493	50	9.0	108
55 to 64 years .....	1,186	720	60.7	674	20	654	47	6.5	466
55 to 59 years .....	638	454	71.1	420	15	405	34	7.5	184
60 to 64 years .....	548	266	48.6	254	4	249	12	4.7	282
65 years and over .....	1,160	151	13.0	146	16	129	5	3.3	1,010
65 to 69 years .....	466	104	22.2	99	8	91	5	4.9	363
70 to 74 years .....	313	31	9.9	31	7	24	-	( <sup>1</sup> )	282
75 years and over .....	381	16	4.2	16	2	14	-	( <sup>1</sup> )	365
<b>Women</b>									
16 years and over .....	14,275	8,239	57.7	7,354	25	7,329	885	10.7	6,036
16 to 19 years .....	1,362	466	34.2	331	1	330	136	29.1	896
16 to 17 years .....	683	155	22.7	98	1	97	56	36.5	528
18 to 19 years .....	679	312	45.9	232	-	232	79	25.4	368
20 to 24 years .....	1,677	1,073	64.0	867	2	865	186	17.3	604
25 to 54 years .....	8,094	5,882	72.7	5,349	12	5,337	533	9.1	2,211
25 to 34 years .....	3,668	2,611	71.2	2,311	5	2,307	299	11.5	1,057
25 to 29 years .....	1,858	1,329	71.5	1,175	1	1,174	153	11.5	530
30 to 34 years .....	1,809	1,282	70.8	1,136	4	1,132	146	11.4	527
35 to 44 years .....	2,633	2,019	76.7	1,870	3	1,867	149	7.4	613
35 to 39 years .....	1,503	1,140	75.8	1,053	1	1,051	87	7.7	363
40 to 44 years .....	1,129	879	77.8	818	2	816	61	7.0	250
45 to 54 years .....	1,793	1,252	69.8	1,167	4	1,163	85	6.8	541
45 to 49 years .....	955	697	73.0	644	1	643	53	7.6	258
50 to 54 years .....	838	555	66.3	523	3	520	32	5.8	283
55 to 64 years .....	1,437	645	44.9	617	6	611	28	4.4	792
55 to 59 years .....	737	388	52.6	375	6	369	13	3.4	350
60 to 64 years .....	700	257	36.7	242	-	242	15	5.8	443
65 years and over .....	1,706	173	10.1	171	4	167	2	1.4	1,533
65 to 69 years .....	596	103	17.3	102	-	103	-	.4	493
70 to 74 years .....	452	42	9.3	42	4	38	1	( <sup>1</sup> )	409
75 years and over .....	656	28	4.3	26	-	26	1	( <sup>1</sup> )	631

<sup>1</sup> 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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
<b>TOTAL</b>								
Civilian noninstitutional population .....	181,827	183,822	79,132	80,120	88,150	89,110	14,545	14,592
Civilian labor force .....	117,703	119,742	61,588	62,031	48,966	50,317	7,149	7,394
Percent of population .....	64.7	65.1	77.8	77.4	55.5	56.5	49.2	50.7
Employed .....	109,084	112,139	57,290	58,357	45,970	47,633	5,823	6,150
Agriculture .....	2,705	2,789	2,044	2,077	520	539	141	173
Nonagricultural industries .....	106,379	109,350	55,246	56,280	45,450	47,094	5,682	5,977
Unemployed .....	8,620	7,603	4,297	3,674	2,996	2,684	1,326	1,244
Unemployment rate .....	7.3	6.3	7.0	5.9	6.1	5.3	18.5	16.8
Not in labor force .....	64,124	64,079	17,545	18,089	39,184	38,792	7,395	7,198
<b>White</b>								
Civilian noninstitutional population .....	156,313	157,676	68,866	69,585	75,544	76,197	11,903	11,894
Civilian labor force .....	101,662	103,120	53,889	54,135	41,535	42,545	6,237	6,441
Percent of population .....	65.0	65.4	78.3	77.8	55.0	55.8	52.4	54.2
Employed .....	95,036	97,311	50,476	51,220	39,331	40,610	5,229	5,481
Agriculture .....	2,533	2,634	1,912	1,948	486	515	135	171
Nonagricultural industries .....	92,504	94,678	48,565	49,273	38,845	40,094	5,094	5,311
Unemployed .....	6,625	5,809	3,413	2,914	2,204	1,935	1,009	960
Unemployment rate .....	6.5	5.6	6.3	5.4	5.3	4.5	16.2	14.9
Not in labor force .....	54,651	54,556	14,976	15,450	34,009	33,652	5,666	5,453
<b>Black</b>								
Civilian noninstitutional population .....	20,187	20,539	7,996	8,148	10,046	10,220	2,145	2,171
Civilian labor force .....	12,558	12,967	5,911	6,029	5,913	6,189	734	749
Percent of population .....	62.2	63.1	73.9	74.0	58.9	60.6	34.2	34.5
Employed .....	10,809	11,417	5,167	5,398	5,195	5,528	447	492
Agriculture .....	127	119	105	102	16	17	6	-
Nonagricultural industries .....	10,682	11,298	5,062	5,295	5,179	5,511	441	492
Unemployed .....	1,749	1,550	744	631	718	661	287	257
Unemployment rate .....	13.9	12.0	12.6	10.5	12.1	10.7	39.1	34.4
Not in labor force .....	7,629	7,573	2,085	2,119	4,133	4,031	1,410	1,422



**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	January 1988									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	15,608	7,348	47.1	8,478	1,304	5,174	870	85	785	11.8
16 to 19 years .....	10,953	4,655	42.5	3,980	416	3,583	676	30	646	14.5
20 to 24 years .....	4,655	2,693	57.8	2,498	888	1,610	194	55	139	7.2
High school .....	8,351	3,378	40.4	2,823	169	2,654	555	27	529	16.4
College .....	7,257	3,970	54.7	3,855	1,135	2,520	315	59	257	7.9
Full-time students .....	8,321	3,135	49.6	2,867	591	2,276	267	41	226	8.5
Part-time students .....	936	835	89.2	788	544	244	48	18	30	5.7
Men, 16 to 24 years .....	7,976	3,667	46.0	3,180	684	2,496	487	49	438	13.3
16 to 19 years .....	5,563	2,318	41.7	1,949	225	1,725	369	12	357	15.9
20 to 24 years .....	2,413	1,348	55.9	1,231	459	771	118	37	81	8.7
High school .....	4,374	1,749	40.0	1,432	103	1,329	317	14	304	18.1
College .....	3,602	1,917	53.2	1,748	581	1,187	169	35	134	8.8
Full-time students .....	3,202	1,558	48.7	1,415	336	1,079	143	25	119	9.2
Part-time students .....	400	359	89.9	334	245	89	28	10	15	7.2
Women, 16 to 24 years .....	7,832	3,682	46.2	3,298	620	2,678	364	36	347	10.4
16 to 19 years .....	5,390	2,337	43.4	2,030	192	1,839	307	18	289	13.1
20 to 24 years .....	2,442	1,345	55.1	1,268	429	839	77	18	58	5.7
High school .....	3,977	1,629	41.0	1,391	66	1,325	238	13	225	14.6
College .....	3,655	2,053	56.2	1,907	555	1,352	146	24	122	7.1
Full-time students .....	3,119	1,577	50.6	1,453	256	1,197	124	16	108	7.9
Part-time students .....	536	476	88.8	454	299	155	22	7	15	4.6
<b>White</b>										
Total, 16 to 24 years .....	12,796	6,436	50.3	5,770	1,153	4,618	666	55	611	10.4
16 to 19 years .....	6,674	4,075	61.0	3,581	370	3,191	514	18	496	12.6
20 to 24 years .....	3,922	2,361	60.2	2,209	783	1,427	152	37	114	6.4
Men .....	6,549	3,188	48.7	2,806	604	2,202	382	32	350	12.0
Women .....	6,247	3,248	52.0	2,964	548	2,416	284	23	261	8.7
High school .....	6,678	2,948	44.1	2,525	146	2,379	423	21	402	14.3
College .....	6,117	3,488	57.0	3,245	1,007	2,238	243	35	209	7.0
Full-time students .....	5,334	2,771	52.0	2,564	524	2,040	207	22	185	7.5
Part-time students .....	783	717	91.5	681	483	198	36	12	24	5.0
<b>Black</b>										
Total, 16 to 24 years .....	2,124	640	30.1	457	102	355	183	29	155	28.7
16 to 19 years .....	1,633	425	26.0	282	27	256	143	12	131	33.6
20 to 24 years .....	491	215	43.8	174	76	99	41	17	24	19.0
Men .....	1,059	342	32.3	246	57	189	96	16	81	28.1
Women .....	1,065	299	28.0	211	45	166	87	13	74	29.3
High school .....	1,361	338	24.8	223	20	202	115	6	109	34.1
College .....	763	303	39.7	234	82	152	68	23	46	22.6
Full-time students .....	663	227	34.2	170	42	128	57	18	39	25.0
Part-time students .....	100	76	76.0	64	39	25	12	5	7	15.4
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,178	472	40.0	402	134	268	69	7	62	14.7
16 to 19 years .....	853	270	31.7	215	43	171	56	4	52	20.6
20 to 24 years .....	325	201	61.9	188	91	97	14	3	10	6.8
Men .....	598	236	39.4	216	76	140	19	2	17	8.2
Women .....	579	236	40.7	186	58	128	50	5	45	21.2
High school .....	727	207	28.4	155	29	126	52	2	50	25.1
College .....	451	265	58.8	248	105	142	17	5	12	6.5
Full-time students .....	361	197	54.5	183	54	129	14	2	12	7.0
Part-time students .....	90	68	75.7	65	51	13	4	4	-	( <sup>2</sup> )

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	January 1988									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	17,618	14,527	82.5	12,699	10,890	1,809	1,828	1,657	171	12.6
16 to 19 years .....	3,639	2,739	75.3	2,170	1,635	535	569	512	57	20.8
20 to 24 years .....	13,980	11,788	84.3	10,529	9,255	1,274	1,259	1,145	114	10.7
Less than 4 years of high school .....	4,150	2,666	64.2	1,983	1,592	391	684	625	58	25.6
4 years of high school .....	9,053	7,763	85.8	6,899	5,844	1,055	864	782	82	11.1
1 to 3 years of college .....	2,885	2,613	90.6	2,406	2,135	271	207	179	28	7.9
4 years of college or more .....	1,530	1,484	97.0	1,411	1,319	93	73	71	2	4.9
<b>Men, 16 to 24 years .....</b>	<b>8,379</b>	<b>7,644</b>	<b>91.2</b>	<b>6,584</b>	<b>5,859</b>	<b>725</b>	<b>1,060</b>	<b>995</b>	<b>65</b>	<b>13.9</b>
16 to 19 years .....	1,761	1,472	83.6	1,152	914	238	320	293	27	21.8
20 to 24 years .....	6,619	6,172	93.2	5,432	4,945	487	740	701	38	12.0
Less than 4 years of high school .....	2,123	1,722	81.1	1,289	1,093	195	434	414	19	25.2
4 years of high school .....	4,340	4,091	94.3	3,598	3,190	409	492	459	34	12.0
1 to 3 years of college .....	1,248	1,171	93.9	1,073	980	93	98	86	12	8.4
4 years of college or more .....	669	660	98.7	624	596	29	36	36	-	5.5
<b>Women, 16 to 24 years .....</b>	<b>9,239</b>	<b>6,883</b>	<b>74.5</b>	<b>6,115</b>	<b>5,031</b>	<b>1,083</b>	<b>768</b>	<b>663</b>	<b>106</b>	<b>11.2</b>
16 to 19 years .....	1,878	1,266	67.4	1,018	721	297	248	219	30	19.6
20 to 24 years .....	7,361	5,617	76.3	5,097	4,310	787	520	444	76	9.3
Less than 4 years of high school .....	2,027	944	46.6	694	499	195	250	211	39	26.5
4 years of high school .....	4,713	3,673	77.9	3,301	2,654	646	372	323	49	10.1
1 to 3 years of college .....	1,638	1,442	88.0	1,333	1,155	178	109	93	16	7.6
4 years of college or more .....	861	824	95.7	787	723	64	37	35	2	4.5
<b>White</b>										
Total, 16 to 24 years .....	14,604	12,307	84.3	10,956	9,476	1,480	1,351	1,226	126	11.0
16 to 19 years .....	3,021	2,366	78.3	1,921	1,455	466	445	402	43	18.8
20 to 24 years .....	11,583	9,942	85.8	9,036	8,021	1,015	906	823	83	9.1
<b>Men .....</b>	<b>7,019</b>	<b>6,530</b>	<b>93.0</b>	<b>5,726</b>	<b>5,156</b>	<b>570</b>	<b>805</b>	<b>761</b>	<b>43</b>	<b>12.3</b>
<b>Women .....</b>	<b>7,585</b>	<b>5,777</b>	<b>76.2</b>	<b>5,230</b>	<b>4,320</b>	<b>910</b>	<b>547</b>	<b>464</b>	<b>82</b>	<b>9.5</b>
Less than 4 years of high school .....	3,313	2,249	67.9	1,731	1,399	332	518	469	50	23.0
4 years of high school .....	7,538	6,559	87.0	5,920	5,072	848	638	579	59	9.7
1 to 3 years of college .....	2,359	2,143	90.8	2,009	1,794	214	134	119	15	6.3
4 years of college or more .....	1,395	1,357	97.3	1,296	1,210	86	61	58	2	4.5
<b>Black</b>										
Total, 16 to 24 years .....	2,596	1,913	73.7	1,482	1,200	282	430	390	40	22.5
16 to 19 years .....	539	324	60.2	209	150	59	115	101	13	35.4
20 to 24 years .....	2,058	1,588	77.2	1,273	1,050	223	316	289	27	19.9
<b>Men .....</b>	<b>1,169</b>	<b>954</b>	<b>81.6</b>	<b>726</b>	<b>599</b>	<b>127</b>	<b>228</b>	<b>207</b>	<b>21</b>	<b>23.9</b>
<b>Women .....</b>	<b>1,427</b>	<b>959</b>	<b>67.2</b>	<b>756</b>	<b>601</b>	<b>155</b>	<b>202</b>	<b>184</b>	<b>19</b>	<b>21.1</b>
Less than 4 years of high school .....	738	372	50.5	222	173	48	151	142	8	40.5
4 years of high school .....	1,341	1,065	79.4	863	671	191	203	184	18	19.0
1 to 3 years of college .....	415	374	90.2	308	270	39	66	53	14	17.7
4 years of college or more .....	102	101	98.5	90	86	4	11	11	-	10.9
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,067	1,599	77.4	1,382	1,186	196	217	195	22	13.6
16 to 19 years .....	493	336	68.2	260	189	71	76	64	12	22.6
20 to 24 years .....	1,574	1,263	80.2	1,122	996	125	141	131	10	11.2
<b>Men .....</b>	<b>1,021</b>	<b>926</b>	<b>90.6</b>	<b>818</b>	<b>716</b>	<b>102</b>	<b>107</b>	<b>105</b>	<b>2</b>	<b>11.6</b>
<b>Women .....</b>	<b>1,045</b>	<b>673</b>	<b>64.4</b>	<b>564</b>	<b>470</b>	<b>94</b>	<b>110</b>	<b>90</b>	<b>20</b>	<b>16.3</b>
Less than 4 years of high school .....	903	625	69.2	504	427	77	120	106	14	19.3
4 years of high school .....	872	723	82.9	642	535	106	81	74	6	11.2
1 to 3 years of college .....	230	194	84.2	183	171	13	10	9	1	5.4
4 years of college or more .....	62	58	(?)	53	53	-	5	5	-	(?)

<sup>1</sup> 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.

<sup>2</sup> 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							
	Jan. 1987	Jan. 1988	Total		Employed		Unemployed			
			Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Number		Percent of labor force	
							Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
<b>VIETNAM-ERA VETERANS</b>										
Total, 30 years and over .....	7,798	7,865	7,267	7,207	6,834	6,840	433	367	6.0	5.1
30 to 44 years .....	6,295	6,054	6,047	5,739	5,665	5,433	382	306	6.3	5.3
30 to 34 years .....	1,026	794	977	750	861	704	116	46	11.9	6.1
35 to 39 years .....	2,819	2,365	2,720	2,258	2,563	2,112	157	146	5.8	6.5
40 to 44 years .....	2,450	2,895	2,350	2,731	2,241	2,617	109	114	4.6	4.2
45 years and over .....	1,503	1,811	1,220	1,468	1,169	1,407	51	61	4.2	4.2
<b>NONVETERANS</b>										
Total, 30 to 44 years .....	18,986	19,996	18,023	18,801	16,893	17,879	1,130	922	6.3	4.9
30 to 34 years .....	8,698	8,981	8,271	8,499	7,717	8,019	554	480	6.7	5.6
35 to 39 years .....	5,993	6,598	5,684	6,201	5,344	5,942	340	259	6.0	4.2
40 to 44 years .....	4,295	4,417	4,068	4,101	3,832	3,918	236	183	5.8	4.5

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	January 1988							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules <sup>1</sup>	Part time for economic reasons, usually work full time	Total	Voluntary <sup>1</sup>	Part time for economic reasons, usually work part time		
<b>TOTAL</b>								
Total, 16 years and over .....	92,398	90,491	1,907	19,741	16,254	3,487	6,027	1,576
16 to 19 years .....	2,051	1,927	124	4,099	3,726	373	542	703
16 to 17 years .....	193	177	16	2,213	2,160	53	125	434
18 to 19 years .....	1,858	1,750	108	1,886	1,566	320	417	269
20 years and over .....	90,346	88,563	1,783	15,643	12,529	3,114	5,486	873
20 to 24 years .....	10,143	9,861	282	2,884	2,233	651	1,201	253
25 years and over .....	80,204	78,703	1,501	12,759	10,296	2,463	4,286	619
25 to 54 years .....	69,316	68,016	1,300	9,240	7,156	2,084	3,888	456
55 years and over .....	10,888	10,687	201	3,518	3,139	379	398	163
<b>Men, 16 years and over</b> .....	54,961	53,872	1,089	6,496	5,036	1,460	3,676	688
16 to 19 years .....	1,138	1,064	74	1,963	1,779	184	305	384
20 years and over .....	53,823	52,808	1,015	4,533	3,257	1,276	3,371	304
20 to 24 years .....	5,404	5,234	170	1,259	960	299	738	119
25 years and over .....	48,419	47,574	845	3,275	2,297	978	2,632	185
25 to 54 years .....	41,499	40,761	738	1,837	1,028	809	2,323	113
55 years and over .....	6,921	6,813	108	1,438	1,269	169	309	72
<b>Women, 16 years and over</b> .....	37,436	36,618	818	13,246	11,219	2,027	2,352	888
16 to 19 years .....	913	863	50	2,136	1,947	189	237	319
20 years and over .....	36,523	35,755	768	11,110	9,272	1,838	2,115	569
20 to 24 years .....	4,739	4,627	112	1,626	1,273	353	462	134
25 years and over .....	31,785	31,129	656	9,486	8,000	1,486	1,653	435
25 to 54 years .....	27,817	27,255	562	7,405	6,129	1,276	1,564	343
55 years and over .....	3,968	3,874	94	2,080	1,870	210	89	91
<b>White</b>								
<b>Men, 16 years and over</b> .....	48,394	47,429	965	5,590	4,440	1,150	2,900	554
16 to 19 years .....	1,032	961	71	1,731	1,567	164	242	298
20 years and over .....	47,361	46,468	893	3,859	2,873	986	2,657	257
20 to 24 years .....	4,727	4,583	144	1,040	828	212	551	96
25 years and over .....	42,634	41,885	749	2,819	2,045	774	2,107	160
25 to 54 years .....	36,413	35,763	650	1,500	858	642	1,839	99
55 years and over .....	6,221	6,122	99	1,318	1,186	132	268	61
<b>Women, 16 years and over</b> .....	31,472	30,845	627	11,855	10,230	1,625	1,660	695
16 to 19 years .....	792	757	35	1,925	1,782	143	178	242
20 years and over .....	30,679	30,088	591	9,930	8,448	1,482	1,482	454
20 to 24 years .....	4,076	3,980	96	1,401	1,118	283	309	101
25 years and over .....	26,603	26,108	495	8,530	7,331	1,199	1,172	352
25 to 54 years .....	23,166	22,743	423	6,707	5,679	1,028	1,101	273
55 years and over .....	3,437	3,365	72	1,823	1,652	171	70	79
<b>Black</b>								
<b>Men, 16 years and over</b> .....	4,991	4,887	104	658	405	253	648	119
16 to 19 years .....	85	84	1	167	153	14	56	80
20 years and over .....	4,907	4,804	103	491	253	238	592	39
20 to 24 years .....	571	551	20	149	84	65	166	22
25 years and over .....	4,335	4,252	83	342	169	173	426	18
25 to 54 years .....	3,792	3,717	75	249	106	143	391	10
55 years and over .....	543	535	8	93	63	30	35	8
<b>Women, 16 years and over</b> .....	4,705	4,555	150	1,062	710	352	618	165
16 to 19 years .....	93	80	13	147	105	42	57	64
20 years and over .....	4,613	4,475	138	915	605	310	561	100
20 to 24 years .....	554	542	12	173	107	66	140	29
25 years and over .....	4,059	3,934	125	741	498	243	421	72
25 to 54 years .....	3,642	3,539	103	524	313	211	405	60
55 years and over .....	417	395	22	217	185	32	16	12

<sup>1</sup> 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	January 1988									
	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 <sup>1</sup> .....	96,927	65.6	90,737	6,190	6.4	50,828	23,404	8,271	2,169	16,984
Husbands .....	39,557	78.2	37,952	1,605	4.1	11,055	230	201	853	9,771
With employed wife .....	24,976	91.5	24,077	899	3.6	2,308	88	107	291	1,821
With unemployed wife .....	1,102	91.5	966	136	12.3	103	3	4	23	72
With wife not in labor force .....	13,479	60.9	12,909	570	4.2	8,645	139	90	538	7,878
Wives .....	28,488	56.3	27,283	1,205	4.2	22,124	18,373	326	343	3,082
With employed husband .....	25,043	66.0	24,077	966	3.9	12,909	11,682	276	115	836
With unemployed husband .....	1,035	64.5	899	136	13.1	570	517	8	20	26
With husband not in labor force .....	2,410	21.8	2,308	103	4.3	8,645	6,174	41	209	2,221
Relatives in married-couple families .....	12,763	61.5	11,280	1,483	11.6	7,996	800	5,478	310	1,408
16 to 19 years .....	4,656	49.8	3,998	658	14.1	4,692	99	4,274	11	308
20 to 24 years .....	4,761	75.9	4,262	500	10.5	1,510	118	1,068	44	279
25 years and over .....	3,345	65.1	3,020	325	9.7	1,794	583	136	255	821
Women who maintain families .....	6,699	62.0	6,090	609	9.1	4,105	2,839	210	192	865
Relatives in families maintained by women .....	5,570	59.5	4,658	913	16.4	3,785	767	1,655	287	1,077
16 to 19 years .....	1,433	47.0	1,071	363	25.3	1,616	110	1,360	15	131
20 to 24 years .....	1,564	74.5	1,310	253	16.2	536	112	236	30	158
25 years and over .....	2,574	61.2	2,277	297	11.5	1,633	545	59	242	788
Men who maintain families .....	2,112	75.3	1,949	163	7.7	692	51	36	96	509
Relatives in families maintained by men .....	1,738	61.9	1,524	213	12.3	1,071	344	365	88	274
16 to 19 years .....	317	51.4	253	65	20.4	300	9	257	-	34
20 to 24 years .....	451	77.1	397	54	11.9	134	22	81	7	24
25 years and over .....	968	60.3	874	94	9.7	637	313	27	81	216

<sup>1</sup> 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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
Total, 16 years and over .....	5,052	4,364	7.7	6.6	3,568	3,239	6.8	6.0
Married, spouse present .....	2,084	1,767	5.0	4.2	1,457	1,317	5.0	4.5
Widowed, divorced, or separated .....	652	553	10.0	8.5	752	735	7.3	6.9
Single (never married) .....	2,316	2,044	13.6	11.7	1,359	1,187	10.3	8.6
White, 16 years and over .....	4,002	3,454	7.0	6.0	2,623	2,355	5.9	5.2
Married, spouse present .....	1,780	1,487	4.8	4.0	1,226	1,070	4.8	4.1
Widowed, divorced, or separated .....	512	446	9.5	8.2	557	532	6.7	6.2
Single (never married) .....	1,710	1,521	11.9	10.4	840	753	7.9	6.8
Black, 16 years and over .....	888	768	14.1	12.0	861	782	13.8	11.9
Married, spouse present .....	229	204	7.3	6.4	192	183	8.2	7.5
Widowed, divorced, or separated .....	124	96	12.8	10.5	175	191	9.9	10.3
Single (never married) .....	535	468	24.2	20.2	494	409	23.0	18.1
Total, 25 years and over .....	3,324	2,817	6.2	5.2	2,213	2,088	5.3	4.8
Married, spouse present .....	1,907	1,618	4.8	4.1	1,180	1,062	4.5	3.9
Widowed, divorced, or separated .....	613	513	9.8	8.1	673	657	6.9	6.4
Single (never married) .....	803	686	10.2	8.3	360	368	6.6	6.1
White, 25 years and over .....	2,667	2,267	5.7	4.8	1,666	1,524	4.7	4.2
Married, spouse present .....	1,632	1,363	4.6	3.8	992	856	4.2	3.6
Widowed, divorced, or separated .....	478	414	9.2	7.8	493	474	6.3	5.8
Single (never married) .....	557	492	8.6	7.3	181	196	4.3	4.3
Black, 25 years and over .....	546	443	10.9	8.7	480	492	9.6	9.3
Married, spouse present .....	205	183	6.9	6.0	151	157	7.0	6.9
Widowed, divorced, or separated .....	123	91	13.2	10.0	160	172	9.4	9.7
Single (never married) .....	218	170	20.0	14.5	169	163	15.0	13.1

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-12. Unemployed persons by occupation and sex**

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
Total, 16 years and over .....	8,620	7,603	7.3	6.3	7.7	6.6	6.8	6.0
Managerial and professional specialty .....	704	615	2.5	2.1	2.5	2.2	2.6	2.0
Executive, administrative, and managerial .....	386	333	2.9	2.4	2.7	2.4	3.3	2.4
Professional specialty .....	319	281	2.2	1.9	2.3	1.9	2.1	1.8
Technical, sales, and administrative support .....	1,723	1,616	4.8	4.4	4.5	3.6	4.9	4.8
Technicians and related support .....	127	119	3.8	3.3	5.1	3.0	2.3	3.6
Sales occupations .....	751	749	5.4	5.3	3.9	3.6	7.1	7.1
Administrative support, including clerical .....	845	748	4.5	3.9	5.3	3.9	4.3	3.9
Service occupations .....	1,451	1,260	8.9	7.7	8.3	7.3	9.3	8.0
Private household .....	66	51	6.4	5.5	( <sup>1</sup> )	( <sup>1</sup> )	6.0	5.3
Protective service .....	121	89	6.2	4.5	5.3	4.0	11.6	7.5
Service, except private household and protective .....	1,264	1,120	9.5	8.3	9.3	8.5	9.7	8.2
Precision production, craft, and repair .....	1,153	980	8.0	6.9	8.0	6.8	7.6	8.2
Mechanics and repairers .....	240	183	5.2	4.1	5.3	4.1	2.1	3.8
Construction trades .....	643	564	12.0	10.5	11.8	10.2	23.1	21.6
Other precision production, craft, and repair .....	270	233	6.1	5.4	5.8	4.9	7.3	7.1
Operators, fabricators, and laborers .....	2,292	1,998	12.0	10.4	12.2	10.8	11.5	9.4
Machine operators, assemblers, and inspectors .....	941	779	11.0	9.0	10.7	8.4	11.4	9.7
Transportation and material moving occupations .....	517	440	10.1	8.7	10.3	9.0	9.1	4.9
Handlers, equipment cleaners, helpers, and laborers .....	834	779	15.5	14.4	15.8	15.1	13.4	10.4
Construction laborers .....	259	283	29.2	30.1	29.0	29.9	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	575	495	12.7	11.1	12.7	11.4	13.0	9.7
Farming, forestry, and fishing .....	324	331	10.6	10.3	10.0	9.9	14.1	12.3
No previous work experience .....	921	760						
16 to 19 years .....	537	516						
20 to 24 years .....	211	145						
25 years and over .....	174	98						

<sup>1</sup> 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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
Total, 16 years and over .....	8,620	7,603	7.3	6.3	7.7	6.6	6.8	6.0
Nonagricultural private wage and salary workers .....	6,608	5,853	7.5	6.5	8.0	6.8	6.9	6.2
Mining .....	149	70	15.8	8.8	16.6	9.3	11.0	5.9
Construction .....	1,015	983	16.6	16.2	17.3	17.0	9.5	7.6
Manufacturing .....	1,618	1,330	7.5	6.2	7.0	5.9	8.6	6.9
Durable goods .....	972	769	7.5	6.0	7.2	6.1	8.3	5.7
Lumber and wood products .....	66	64	9.7	8.6	10.2	10.1	7.2	-
Furniture and fixtures .....	51	59	7.6	9.4	7.4	9.6	8.2	8.7
Stone, clay, and glass products .....	65	48	11.2	8.3	12.2	9.0	7.7	5.7
Primary metal industries .....	75	22	8.6	2.8	8.1	2.8	11.9	2.8
Fabricated metal products .....	140	82	10.9	5.8	11.4	5.9	9.4	5.4
Machinery, except electrical .....	190	120	7.3	4.8	7.1	5.1	7.9	4.0
Electrical machinery, equipment, and supplies .....	139	105	6.3	4.8	5.3	3.4	7.7	6.8
Transportation equipment .....	146	205	5.2	7.6	4.8	7.5	6.7	7.8
Automobiles .....	98	139	7.3	10.8	6.6	11.2	10.1	9.4
Other transportation equipment .....	48	65	3.3	4.6	3.1	4.2	3.6	6.6
Professional and photographic equipment .....	32	25	4.8	3.5	3.5	4.4	6.7	2.3
Other durable goods industries .....	68	39	12.1	7.4	10.0	7.2	14.2	7.7
Nondurable goods .....	646	562	7.6	6.5	6.6	5.4	8.9	8.1
Food and kindred products .....	185	183	10.3	10.5	9.2	9.7	12.7	12.0
Textile mill products .....	52	42	6.9	5.7	6.3	2.6	7.7	8.6
Apparel and other textile products .....	144	102	12.0	8.3	10.9	7.8	12.4	8.5
Paper and allied products .....	37	17	4.9	2.5	5.3	2.1	3.7	3.6
Printing and publishing .....	91	78	5.4	4.3	5.3	3.4	5.5	5.5
Chemicals and allied products .....	50	49	4.0	3.8	3.9	3.2	4.4	5.4
Rubber and miscellaneous plastics products .....	52	53	7.0	7.1	7.0	6.7	7.0	7.8
Other nondurable goods industries .....	36	37	8.9	9.7	6.8	7.3	12.2	15.0
Transportation and public utilities .....	342	272	5.5	4.3	5.8	4.6	4.5	3.4
Transportation .....	272	214	7.6	5.9	7.9	6.2	6.5	4.7
Communications and other public utilities .....	71	58	2.6	2.1	2.6	2.0	2.6	2.4
Wholesale and retail trade .....	1,824	1,564	8.1	6.8	7.2	6.0	9.2	7.6
Wholesale trade .....	235	199	5.4	4.5	5.0	3.7	6.4	6.2
Retail trade .....	1,589	1,364	8.8	7.3	7.9	6.8	9.6	7.8
Finance, insurance, and real estate .....	242	232	3.4	3.2	3.5	2.4	3.4	3.7
Service industries .....	1,418	1,403	5.9	5.7	6.6	5.6	5.5	5.7
Professional services .....	540	535	4.0	3.9	4.1	3.4	3.9	4.1
Other service industries .....	878	868	8.5	8.0	8.8	7.4	8.3	8.6
Agricultural wage and salary workers .....	256	264	16.1	16.2	16.0	15.8	16.5	17.4
Government, self-employed, and unpaid family workers .....	835	726	3.1	2.6	3.3	2.9	2.8	2.3
No previous work experience .....	921	760	-	-	-	-	-	-



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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	8,620	7,603	4,297	3,674	2,996	2,684	1,326	1,244	6,625	5,809	1,749	1,550
Job losers .....	4,662	3,770	3,097	2,445	1,279	1,081	286	245	3,644	2,950	886	712
On layoff .....	1,550	1,272	1,047	868	431	328	72	76	1,318	1,072	204	158
Other job losers .....	3,112	2,498	2,050	1,577	848	753	214	169	2,326	1,878	682	554
Job leavers .....	952	1,133	400	484	390	496	163	153	778	882	144	219
Reentrants .....	2,087	1,940	640	648	1,104	961	343	331	1,576	1,469	456	402
New entrants .....	918	759	161	97	223	146	534	516	628	508	264	216
<b>PERCENT DISTRIBUTION</b>												
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 .....	54.1	49.6	72.1	66.5	42.7	40.2	21.5	19.7	55.0	50.8	50.7	46.0
On layoff .....	18.0	16.7	24.4	23.6	14.4	12.2	5.4	6.1	19.9	18.5	11.7	10.2
Other job losers .....	36.1	32.9	47.7	42.9	28.3	28.0	16.1	13.6	35.1	32.3	39.0	35.8
Job leavers .....	11.0	14.9	9.3	13.2	13.0	18.5	12.3	12.3	11.7	15.2	6.2	14.1
Reentrants .....	24.2	25.5	14.9	17.6	36.9	35.8	25.9	26.6	23.8	25.3	26.1	26.0
New entrants .....	10.7	10.0	3.7	2.6	7.4	5.5	40.3	41.5	9.5	8.7	15.1	13.9
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.9	3.2	5.0	3.9	2.6	2.2	4.0	3.3	3.6	2.8	7.1	5.5
Job leavers .....	.8	.9	.6	.8	.6	1.0	2.3	2.1	.8	.9	1.1	1.7
Reentrants .....	1.8	1.6	1.0	1.0	2.3	1.9	4.8	4.5	1.6	1.4	3.6	3.1
New entrants .....	.8	.6	.3	.2	.5	.3	7.5	7.0	.6	.5	2.1	1.7

**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	January 1988						
	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 .....	7,603	100.0	44.6	31.5	23.8	11.9	11.9
Job losers .....	3,770	100.0	39.2	34.9	25.8	13.3	12.5
On layoff .....	1,272	100.0	54.2	35.2	10.5	7.4	3.2
Other job losers .....	2,498	100.0	31.6	34.8	33.6	16.3	17.3
Job leavers .....	1,133	100.0	50.7	29.2	20.1	10.2	9.8
Reentrants .....	1,940	100.0	48.5	28.2	23.2	11.4	11.9
New entrants .....	759	100.0	52.7	26.4	20.9	8.6	12.3
Men, 20 years and over .....	3,674	100.0	35.9	35.5	28.6	12.7	15.9
Job losers .....	2,445	100.0	35.4	37.0	27.6	12.8	14.8
On layoff .....	868	100.0	52.4	37.2	10.4	6.3	4.1
Other job losers .....	1,577	100.0	26.1	36.9	37.0	16.4	20.6
Job leavers .....	484	100.0	37.1	32.4	30.5	14.0	16.5
Reentrants .....	648	100.0	36.5	34.7	28.8	11.7	17.2
New entrants .....	97	100.0	37.3	19.2	43.5	9.0	34.5
Women, 20 years and over .....	2,684	100.0	50.7	27.4	21.8	12.4	9.5
Job losers .....	1,081	100.0	42.9	31.7	25.5	15.4	10.0
On layoff .....	328	100.0	55.2	31.6	13.1	11.6	1.5
Other job losers .....	753	100.0	37.5	31.7	30.9	17.1	13.8
Job leavers .....	496	100.0	60.0	26.0	13.9	8.4	5.6
Reentrants .....	961	100.0	53.6	24.1	22.4	11.8	10.5
New entrants .....	146	100.0	59.0	22.7	18.3	6.8	11.5
Both sexes, 16 to 19 years .....	1,244	100.0	57.3	28.6	14.0	8.6	5.5
Job losers .....	245	100.0	60.8	28.9	10.3	9.0	1.3
On layoff .....	76	100.0	71.0	27.8	1.2	1.2	-
Other job losers .....	169	100.0	56.2	29.5	14.3	12.4	1.9
Job leavers .....	153	100.0	63.8	29.2	7.0	4.4	2.6
Reentrants .....	331	100.0	57.4	27.8	14.8	9.6	5.3
New entrants .....	516	100.0	53.8	28.9	17.4	9.1	8.3

**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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
Total, 16 years and over .....	8,620	7,603	100.0	100.0	6,996	6,027	100.0	100.0
Less than 5 weeks .....	3,693	3,395	42.8	44.6	2,713	2,431	38.8	40.3
5 to 14 weeks .....	2,639	2,397	30.6	31.5	2,220	1,989	31.7	33.0
5 to 10 weeks .....	1,857	1,704	21.5	22.4	1,543	1,407	22.1	23.3
11 to 14 weeks .....	782	693	9.1	9.1	677	582	9.7	9.7
15 weeks and over .....	2,288	1,811	26.5	23.8	2,063	1,607	29.5	26.7
15 to 26 weeks .....	1,105	904	12.8	11.9	942	791	13.5	13.1
27 weeks and over .....	1,183	907	13.7	11.9	1,121	815	16.0	13.5
27 to 51 weeks .....	498	338	5.8	4.4	466	296	6.7	4.9
52 weeks and over .....	685	570	7.9	7.5	655	520	9.4	8.6
Average (mean) duration, in weeks .....	14.4	13.8			15.9	15.1		
Median duration, in weeks .....	6.8	6.2			8.0	7.2		

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	
								Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
	January 1988										
Total, 16 years and over .....	7,603	3,395	2,397	904	907	13.8	6.2	42.8	44.6	26.5	23.8
16 to 19 years .....	1,244	714	356	107	68	8.4	4.4	57.4	57.3	17.2	14.0
20 to 24 years .....	1,454	758	409	167	120	11.1	4.8	46.3	52.1	23.0	19.7
25 to 34 years .....	2,217	936	762	261	258	13.6	6.5	40.1	42.2	26.5	23.4
35 to 44 years .....	1,360	515	457	190	198	15.9	7.8	36.2	37.9	31.7	28.5
45 to 54 years .....	767	273	257	107	130	18.1	8.3	37.0	35.5	33.9	30.9
55 to 64 years .....	459	158	126	62	114	22.8	9.6	36.5	34.3	36.0	38.3
65 years and over .....	102	42	30	10	20	19.8	6.9	38.8	40.9	35.3	29.8
Men, 16 years and over .....	4,364	1,681	1,526	537	620	15.7	7.5	38.6	38.5	29.2	26.5
16 to 19 years .....	689	362	221	71	35	8.9	4.8	53.9	52.5	21.2	15.4
20 to 24 years .....	857	388	263	110	95	13.4	6.4	40.0	45.3	25.4	24.0
25 to 34 years .....	1,257	457	488	145	168	15.1	7.5	37.2	36.3	28.4	24.9
35 to 44 years .....	727	221	266	101	138	18.7	9.5	34.0	30.4	32.8	33.0
45 to 54 years .....	452	138	167	59	87	20.0	9.1	28.2	30.6	38.7	32.3
55 to 64 years .....	321	96	98	44	82	24.5	10.2	33.8	30.0	38.7	39.4
65 years and over .....	60	18	22	5	15	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,239	1,714	871	368	287	11.2	4.7	48.9	52.9	22.7	20.2
16 to 19 years .....	555	352	135	36	33	7.6	3.9	62.1	63.3	11.9	12.3
20 to 24 years .....	597	370	145	57	25	7.8	4.0	54.3	62.0	20.1	13.6
25 to 34 years .....	959	479	274	116	90	11.7	5.0	44.4	49.9	23.5	21.5
35 to 44 years .....	633	294	191	89	59	12.7	5.8	39.2	46.5	30.2	23.4
45 to 54 years .....	315	134	90	48	43	15.3	7.3	49.7	42.6	26.9	28.9
55 to 64 years .....	138	61	28	18	32	18.9	7.6	42.4	44.4	30.3	35.7
65 years and over .....	42	23	8	5	5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	5,809	2,723	1,806	657	624	12.9	5.7	44.1	46.9	25.0	22.0
Men .....	3,454	1,422	1,178	408	446	14.7	6.8	39.3	41.2	27.3	24.7
Women .....	2,355	1,301	627	249	178	10.2	4.5	51.4	55.2	21.6	18.1
Black, 16 years and over .....	1,550	576	514	209	251	16.7	8.3	39.2	37.2	31.0	29.7
Men .....	768	217	294	107	150	19.5	10.3	36.7	28.2	35.2	33.5
Women .....	782	360	220	102	101	14.1	6.0	41.8	46.0	26.6	25.9
Men, 16 years and over:											
Married, spouse present .....	1,767	598	656	212	301	17.6	8.3	32.6	33.9	33.7	29.0
Widowed, divorced, or separated .....	553	184	183	73	114	19.7	9.1	35.4	33.2	30.1	33.7
Single (never married) .....	2,044	899	687	252	206	13.0	6.3	44.8	44.0	25.0	22.4
Women, 16 years and over:											
Married, spouse present .....	1,317	695	373	144	105	10.6	4.7	47.6	52.7	21.3	18.9
Widowed, divorced, or separated .....	735	339	209	102	85	14.1	6.0	41.3	46.1	31.7	25.5
Single (never married) .....	1,187	680	289	121	97	10.0	4.4	54.4	57.3	19.2	18.4

<sup>1</sup> 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	
	January 1988							Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
<b>OCCUPATION</b>											
Managerial and professional specialty .....	615	225	197	91	102	16.8	8.8	41.2	36.6	31.2	31.3
Technical, sales, and administrative support .....	1,616	806	461	212	137	12.0	5.0	48.7	49.9	26.1	21.6
Service occupations .....	1,260	612	352	154	141	13.0	5.4	47.2	48.6	24.7	23.4
Precision production, craft, and repair .....	980	396	344	120	122	14.3	6.9	38.1	40.3	23.8	24.6
Operators, fabricators, and laborers .....	1,998	804	705	223	266	14.6	6.7	37.0	40.2	28.8	24.5
Farming, forestry, and fishing .....	331	126	128	38	39	14.6	6.7	38.0	38.0	24.0	23.3
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	264	104	109	27	24	12.5	6.8	42.4	39.3	21.0	19.4
Construction .....	1,010	426	386	95	102	12.5	6.3	38.8	42.2	20.0	19.6
Manufacturing .....	1,334	509	424	205	196	15.6	7.8	34.0	38.2	32.5	30.0
Durable goods .....	772	252	260	125	135	17.5	8.9	32.6	32.7	33.3	33.7
Nondurable goods .....	562	257	164	80	61	13.1	6.3	36.1	45.7	31.2	25.0
Transportation and public utilities .....	310	116	103	44	48	15.5	8.4	41.0	37.3	28.3	29.5
Wholesale and retail trade .....	1,576	844	423	159	150	11.7	4.7	50.5	53.5	22.3	19.6
Finance and service industries .....	1,899	820	616	244	218	14.2	6.6	45.1	43.2	27.4	24.4
Public administration .....	188	64	61	32	31	17.2	9.4	42.8	33.9	31.7	33.6
No previous work experience .....	760	400	201	66	93	12.7	4.7	48.2	52.7	25.1	20.9

<sup>1</sup> Includes wage and salary workers only.

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

Sex, age, and race	January 1988								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	7,603	6,197	22.4	7.2	74.0	37.9	16.7	5.3	1.64
16 to 19 years .....	1,244	1,156	12.6	3.8	81.9	26.4	12.9	2.8	1.40
20 to 24 years .....	1,454	1,239	25.1	6.7	75.5	38.0	17.9	2.9	1.66
25 to 34 years .....	2,217	1,764	24.6	8.8	72.9	40.4	16.8	6.3	1.70
35 to 44 years .....	1,360	1,050	27.0	7.5	73.0	45.0	16.6	6.7	1.76
45 to 54 years .....	767	573	24.3	8.6	66.7	40.8	18.0	7.7	1.66
55 to 64 years .....	459	339	19.2	9.7	65.5	37.2	21.2	8.0	1.61
65 years and over .....	102	77	15.6	2.6	59.7	37.7	19.5	13.0	1.48
Men, 16 years and over .....	4,364	3,370	24.3	7.9	76.4	34.3	18.7	5.6	1.67
16 to 19 years .....	689	631	14.9	3.3	83.5	23.8	14.3	1.4	1.41
20 to 24 years .....	857	693	26.1	6.1	78.5	34.9	21.6	3.5	1.71
25 to 34 years .....	1,257	932	26.4	11.8	75.9	38.8	19.4	5.6	1.78
35 to 44 years .....	727	522	33.0	7.3	77.6	38.5	18.4	7.3	1.82
45 to 54 years .....	452	314	25.8	8.9	66.9	32.2	19.4	11.1	1.64
55 to 64 years .....	321	229	14.8	10.9	65.5	35.4	19.7	11.8	1.58
65 years and over .....	60	48	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,239	2,828	20.2	6.4	71.1	42.2	14.2	5.1	1.59
16 to 19 years .....	555	525	10.1	4.4	80.0	29.5	11.2	4.6	1.40
20 to 24 years .....	597	546	23.8	7.5	71.8	41.8	13.2	2.2	1.60
25 to 34 years .....	959	832	22.6	5.5	69.6	42.1	13.9	7.1	1.61
35 to 44 years .....	633	527	21.1	7.8	68.7	51.4	14.8	6.1	1.70
45 to 54 years .....	315	259	22.4	8.1	66.4	51.4	16.2	3.1	1.68
55 to 64 years .....	138	109	28.4	7.3	66.1	41.3	23.9	-	1.67
65 years and over .....	42	28	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	5,809	4,629	21.5	7.3	74.0	38.3	15.9	5.8	1.63
Men .....	3,454	2,590	22.7	8.0	75.7	34.6	17.5	6.5	1.65
Women .....	2,355	2,039	19.8	6.5	71.8	43.2	13.8	4.9	1.60
Black, 16 years and over .....	1,550	1,380	25.7	6.2	75.5	36.4	18.8	4.1	1.67
Men .....	768	669	30.6	6.4	82.1	33.6	23.3	2.2	1.78
Women .....	782	711	21.1	5.9	69.5	39.0	14.5	5.9	1.56

<sup>1</sup> 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	January 1988								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	7,603	6,197	22.4	7.2	74.0	37.9	16.7	5.3	1.64
Job losers <sup>1</sup> .....	3,770	2,493	29.0	8.1	75.9	38.5	20.0	5.2	1.77
Job leavers .....	1,133	1,134	19.2	8.0	75.0	45.1	16.5	5.1	1.69
Reentrants .....	1,940	1,819	18.0	7.1	68.9	36.9	13.6	6.7	1.51
New entrants .....	759	752	16.2	3.5	78.5	27.3	13.0	2.9	1.41
Men, 16 years and over .....	4,364	3,370	24.3	7.9	76.4	34.3	18.7	5.6	1.67
Job losers <sup>1</sup> .....	2,613	1,680	29.3	9.1	77.0	34.6	21.1	6.1	1.77
Job leavers .....	572	564	21.6	7.8	78.7	42.2	18.1	5.1	1.74
Reentrants .....	816	765	18.3	7.5	71.2	31.8	14.9	7.5	1.51
New entrants .....	363	361	18.3	3.3	81.2	25.5	16.9		1.45
Women, 16 years and over .....	3,239	2,828	20.2	6.4	71.1	42.2	14.2	5.1	1.59
Job losers <sup>1</sup> .....	1,157	812	28.6	5.9	73.6	46.7	18.0	3.4	1.76
Job leavers .....	562	570	16.8	8.2	71.2	47.9	14.9	5.1	1.64
Reentrants .....	1,124	1,053	17.8	6.8	67.3	40.7	12.6	6.0	1.51
New entrants .....	396	392	14.3	3.6	75.8	28.8	9.2	5.9	1.37

<sup>1</sup> 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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
All industries .....	109,084	112,139	60,237	61,458	48,846	50,681
16 to 19 years .....	5,823	6,150	2,947	3,101	2,876	3,048
16 to 17 years .....	2,326	2,406	1,146	1,210	1,180	1,195
18 to 19 years .....	3,497	3,744	1,801	1,891	1,697	1,853
20 to 24 years .....	13,267	13,027	6,871	6,663	6,396	6,364
25 to 54 years .....	75,742	78,556	42,063	43,335	33,680	35,222
25 to 34 years .....	32,161	33,082	17,948	18,384	14,212	14,697
35 to 44 years .....	26,541	27,572	14,567	15,043	11,975	12,529
45 to 54 years .....	17,040	17,903	9,548	9,907	7,492	7,996
55 to 64 years .....	11,410	11,366	6,675	6,588	4,735	4,778
55 to 59 years .....	6,909	6,794	4,002	3,898	2,906	2,896
60 to 64 years .....	4,502	4,572	2,673	2,690	1,829	1,882
65 years and over .....	2,841	3,040	1,682	1,771	1,159	1,269
Agriculture .....	2,705	2,789	2,162	2,220	543	569
16 to 19 years .....	141	173	118	143	23	30
16 to 17 years .....	58	81	48	68	10	13
18 to 19 years .....	83	92	69	75	14	17
20 to 24 years .....	312	299	277	248	36	52
25 to 54 years .....	1,610	1,660	1,233	1,283	377	376
25 to 34 years .....	687	707	549	569	138	138
35 to 44 years .....	496	504	363	381	133	123
45 to 54 years .....	428	449	322	333	106	116
55 to 64 years .....	395	398	320	321	75	77
55 to 59 years .....	206	211	161	168	45	44
60 to 64 years .....	189	187	159	153	30	33
65 years and over .....	246	260	214	225	32	34
Nonagricultural industries .....	106,379	109,350	58,076	59,238	48,303	50,112
16 to 19 years .....	5,682	5,977	2,829	2,958	2,853	3,019
16 to 17 years .....	2,268	2,325	1,098	1,142	1,170	1,182
18 to 19 years .....	3,415	3,652	1,731	1,816	1,683	1,836
20 to 24 years .....	12,954	12,728	6,594	6,415	6,360	6,313
25 to 54 years .....	74,132	76,897	40,830	42,052	33,302	34,846
25 to 34 years .....	31,474	32,375	17,399	17,815	14,075	14,559
35 to 44 years .....	26,046	27,068	14,204	14,662	11,842	12,406
45 to 54 years .....	16,612	17,454	9,226	9,574	7,385	7,880
55 to 64 years .....	11,015	10,968	6,355	6,267	4,661	4,701
55 to 59 years .....	6,703	6,583	3,841	3,730	2,862	2,852
60 to 64 years .....	4,313	4,386	2,514	2,536	1,799	1,849
65 years and over .....	2,595	2,780	1,468	1,546	1,127	1,234

**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	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
<b>Total</b> .....	109,084	112,139	60,237	61,458	57,290	58,357	48,846	50,681	45,970	47,633
<b>Managerial and professional specialty</b> .....	27,160	28,503	15,128	15,846	15,052	15,735	12,032	12,657	11,916	12,556
Executive, administrative, and managerial .....	12,826	13,579	7,871	8,319	7,838	8,265	4,956	5,260	4,913	5,220
Officials and administrators, public administration .....	566	571	351	346	351	345	215	225	215	225
Other executive, administrative, and managerial .....	8,752	9,348	5,679	6,123	5,651	6,081	3,073	3,225	3,042	3,196
Management-related occupations .....	3,509	3,660	1,841	1,849	1,836	1,839	1,668	1,810	1,657	1,800
<b>Professional specialty</b> .....	14,333	14,925	7,257	7,528	7,214	7,470	7,076	7,397	7,003	7,336
Engineers .....	1,772	1,856	1,658	1,729	1,655	1,727	114	127	114	127
Mathematical and computer scientists .....	682	655	451	435	449	435	231	220	229	220
Natural scientists .....	331	396	257	308	257	308	75	88	75	88
Health diagnosing occupations .....	769	779	655	654	655	654	114	125	114	125
Health assessment and treating occupations .....	2,101	2,083	310	319	308	317	1,791	1,764	1,784	1,760
Teachers, college and university .....	679	717	444	449	444	447	234	268	229	267
Teachers, except college and university .....	3,652	3,944	911	1,062	902	1,053	2,741	2,882	2,713	2,863
Lawyers and judges .....	691	767	566	628	566	624	125	139	125	138
Other professional specialty occupations .....	3,657	3,728	2,007	1,944	1,980	1,906	1,650	1,784	1,620	1,747
<b>Technical, sales, and administrative support</b> .....	34,387	35,213	12,207	12,369	11,633	11,748	22,180	22,844	20,593	21,123
Technicians and related support .....	3,233	3,466	1,665	1,790	1,620	1,750	1,568	1,676	1,548	1,658
Health technologists and technicians .....	1,077	1,147	153	172	151	168	924	974	910	966
Engineering and science technicians .....	1,063	1,129	849	902	824	873	214	227	212	224
Technicians, except health, engineering, and science .....	1,093	1,190	663	716	644	709	430	475	426	468
Sales occupations .....	13,073	13,269	6,880	6,777	6,554	6,417	6,193	6,491	5,276	5,489
Supervisors and proprietors .....	3,490	3,548	2,395	2,405	2,373	2,381	1,095	1,144	1,078	1,115
Sales representatives, finance and business services .....	2,341	2,305	1,417	1,373	1,406	1,361	924	932	897	904
Sales representatives, commodities, except retail .....	1,391	1,486	1,151	1,205	1,143	1,199	240	281	236	271
Sales workers, retail and personal services .....	5,797	5,892	1,899	1,785	1,614	1,466	3,897	4,107	3,033	3,170
Sales-related occupations .....	54	39	18	10	18	10	36	29	32	29
Administrative support, including clerical .....	18,081	18,478	3,662	3,802	3,459	3,580	14,419	14,676	13,770	13,977
Supervisors .....	770	726	332	311	332	309	438	415	434	415
Computer equipment operators .....	849	913	291	301	278	291	558	612	529	574
Secretaries, stenographers, and typists .....	4,846	5,022	69	80	66	76	4,777	4,942	4,587	4,768
Financial records processing .....	2,541	2,375	243	229	239	218	2,298	2,146	2,246	2,092
Mail and message distributing .....	905	926	580	582	543	570	325	344	310	322
Other administrative support, including clerical .....	8,171	8,517	2,146	2,299	2,000	2,117	6,024	6,217	5,664	5,805
<b>Service occupations</b> .....	14,791	15,136	5,922	6,064	5,057	5,201	8,869	9,072	7,889	8,106
Private household .....	962	877	26	48	17	36	935	828	749	705
Protective service .....	1,844	1,912	1,613	1,662	1,572	1,626	232	250	210	233
Service, except private household and protective .....	11,985	12,347	4,283	4,354	3,468	3,540	7,702	7,993	6,930	7,168
Food service .....	5,088	5,129	2,004	1,997	1,403	1,375	3,084	3,132	2,556	2,533
Health service .....	1,853	1,961	179	250	158	237	1,673	1,711	1,583	1,648
Cleaning and building service .....	2,920	2,881	1,717	1,683	1,562	1,547	1,203	1,198	1,138	1,139
Personal service .....	2,124	2,377	383	424	345	381	1,741	1,954	1,653	1,849
<b>Precision production, craft, and repair</b> .....	13,279	13,193	12,193	12,033	11,896	11,754	1,087	1,160	1,070	1,119
Mechanics and repairers .....	4,412	4,297	4,252	4,156	4,154	4,072	160	141	158	139
Construction trades .....	4,729	4,826	4,666	4,721	4,518	4,594	63	105	61	101
Other precision production, craft, and repair .....	4,139	4,069	3,274	3,155	3,224	3,089	864	914	852	879
<b>Operators, fabricators, and laborers</b> .....	16,744	17,207	12,473	12,687	11,475	11,617	4,270	4,520	4,117	4,329
Machine operators, assemblers, and inspectors .....	7,602	7,926	4,481	4,641	4,327	4,477	3,120	3,285	3,044	3,195
Manufacturing industries .....	6,285	6,583	3,650	3,818	3,538	3,687	2,636	2,765	2,586	2,705
Durable goods .....	3,488	3,623	2,365	2,469	2,299	2,383	1,123	1,154	1,110	1,138
Nondurable goods .....	2,797	2,960	1,284	1,349	1,239	1,304	1,513	1,611	1,476	1,568
Nonmanufacturing industries .....	1,316	1,343	832	823	789	790	485	520	458	489
Transportation and material moving occupations .....	4,580	4,644	4,152	4,192	4,023	4,075	428	452	414	436
Motor vehicle operators .....	3,399	3,523	3,017	3,122	2,896	3,022	383	402	369	385
Other transportation and material moving occupations .....	1,180	1,121	1,135	1,070	1,127	1,053	45	51	45	51
Handlers, equipment cleaners, helpers, and laborers .....	4,562	4,636	3,840	3,854	3,125	3,065	722	782	659	698
Construction laborers .....	626	658	619	645	557	588	8	12	8	12
Other handlers, equipment cleaners, helpers, and laborers .....	3,936	3,979	3,221	3,209	2,568	2,477	714	770	651	686
<b>Farming, forestry, and fishing</b> .....	2,722	2,888	2,314	2,459	2,178	2,301	408	429	384	400
Farm operators and managers .....	1,199	1,263	1,044	1,084	1,030	1,079	155	179	154	179
Other farming, forestry, and fishing occupations .....	1,523	1,625	1,270	1,376	1,148	1,222	253	249	230	221

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	109,084	112,139	60,237	61,458	48,846	50,681
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.9	25.4	25.1	25.8	24.6	25.0
Executive, administrative, and managerial .....	11.8	12.1	13.1	13.5	10.1	10.4
Professional specialty .....	13.1	13.3	12.0	12.2	14.5	14.6
Technical, sales, and administrative support .....	31.5	31.4	20.3	20.1	45.4	45.1
Technicians and related support .....	3.0	3.1	2.8	2.9	3.2	3.3
Sales occupations .....	12.0	11.8	11.4	11.0	12.7	12.8
Administrative support, including clerical .....	16.6	16.5	6.1	6.2	29.5	29.0
Service occupations .....	13.6	13.5	9.8	9.9	18.2	17.9
Private household .....	.9	.8	( <sup>1</sup> )	.1	1.9	1.6
Protective service .....	1.7	1.7	2.7	2.7	.5	.5
Service, except private household and protective .....	11.0	11.0	7.1	7.1	15.8	15.8
Precision production, craft, and repair .....	12.2	11.8	20.2	19.6	2.2	2.3
Operators, fabricators, and laborers .....	15.3	15.3	20.7	20.6	8.7	8.9
Machine operators, assemblers, and inspectors .....	7.0	7.1	7.4	7.6	6.4	6.5
Transportation and material moving occupations .....	4.2	4.1	6.9	6.8	.9	.9
Handlers, equipment cleaners, helpers, and laborers .....	4.2	4.1	6.4	6.3	1.5	1.5
Farming, forestry, and fishing .....	2.5	2.6	3.8	4.0	.8	.8
<b>White</b>						
Total, 16 years and over (thousands) .....	95,036	97,311	53,090	53,984	41,946	43,327
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	25.9	26.5	26.2	26.8	25.5	26.0
Executive, administrative, and managerial .....	12.4	12.8	13.7	14.2	10.6	11.0
Professional specialty .....	13.6	13.7	12.5	12.6	14.9	15.1
Technical, sales, and administrative support .....	32.0	31.7	20.5	20.4	46.5	45.9
Technicians and related support .....	3.0	3.1	2.8	3.0	3.2	3.2
Sales occupations .....	12.6	12.3	12.0	11.6	13.3	13.2
Administrative support, including clerical .....	16.4	16.3	5.7	5.8	30.1	29.4
Service occupations .....	12.4	12.3	8.8	8.9	16.8	16.6
Private household .....	.8	.7	( <sup>1</sup> )	.1	1.7	1.4
Protective service .....	1.6	1.6	2.6	2.6	.4	.4
Service, except private household and protective .....	10.0	10.0	6.2	6.2	14.7	14.8
Precision production, craft, and repair .....	12.6	12.2	20.8	20.2	2.2	2.3
Operators, fabricators, and laborers .....	14.5	14.5	19.6	19.5	8.1	8.2
Machine operators, assemblers, and inspectors .....	6.5	6.7	7.2	7.2	5.8	5.9
Transportation and material moving occupations .....	4.0	4.0	6.5	6.4	.9	.9
Handlers, equipment cleaners, helpers, and laborers .....	4.0	3.9	5.9	5.9	1.4	1.4
Farming, forestry, and fishing .....	2.6	2.7	4.0	4.2	.9	.9
<b>Black</b>						
Total, 16 years and over (thousands) .....	10,809	11,417	5,415	5,649	5,394	5,768
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	15.2	15.5	12.2	14.2	18.3	16.8
Executive, administrative, and managerial .....	6.5	6.6	6.1	7.0	6.9	6.3
Professional specialty .....	8.7	8.9	6.0	7.2	11.3	10.5
Technical, sales, and administrative support .....	27.7	28.2	17.2	16.7	38.2	39.5
Technicians and related support .....	2.4	2.7	1.9	1.8	3.0	3.6
Sales occupations .....	7.1	7.3	5.7	5.5	8.4	9.1
Administrative support, including clerical .....	18.2	18.2	9.6	9.4	26.8	26.9
Service occupations .....	23.2	22.9	18.2	18.3	28.2	27.3
Private household .....	1.8	1.8	.1	.1	3.5	3.5
Protective service .....	2.6	2.4	4.1	4.0	1.2	.9
Service, except private household and protective .....	18.8	18.6	14.1	14.1	23.5	23.0
Precision production, craft, and repair .....	9.1	8.8	16.3	15.6	2.0	2.0
Operators, fabricators, and laborers .....	23.0	23.2	32.9	32.7	13.0	14.0
Machine operators, assemblers, and inspectors .....	10.1	10.3	10.1	10.5	10.1	10.2
Transportation and material moving occupations .....	6.3	6.2	11.5	11.3	1.0	1.2
Handlers, equipment cleaners, helpers, and laborers .....	6.7	6.7	11.4	10.9	1.9	2.5
Farming, forestry, and fishing .....	1.7	1.4	3.2	2.5	.3	.4

<sup>1</sup> Less than 0.05 percent.



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

(In thousands)

Age and sex	January 1988								
	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 .....	101,065	1,071	17,214	82,780	8,060	226	1,368	1,325	95
16 to 19 years .....	5,908	158	287	5,462	55	15	129	15	29
16 to 17 years .....	2,292	102	78	2,112	23	10	57	11	13
18 to 19 years .....	3,616	56	210	3,350	32	5	72	4	15
20 to 24 years .....	12,439	104	1,156	11,179	273	16	248	48	3
25 to 34 years .....	30,437	203	4,511	25,722	1,874	64	428	264	14
35 to 44 years .....	24,666	163	5,423	19,079	2,350	53	229	250	25
45 to 54 years .....	15,725	148	3,400	12,177	1,688	41	161	273	15
55 to 64 years .....	9,680	147	2,029	7,504	1,262	26	128	265	5
55 to 59 years .....	5,869	79	1,260	4,529	701	12	78	132	2
60 to 64 years .....	3,811	68	769	2,974	561	14	50	134	3
65 years and over .....	2,212	148	406	1,657	559	10	46	210	4
Men, 16 years and over .....	53,914	126	8,029	45,759	5,287	37	1,085	1,104	31
16 to 19 years .....	2,911	29	131	2,751	36	11	108	12	23
16 to 17 years .....	1,118	12	31	1,075	16	8	46	11	11
18 to 19 years .....	1,793	18	99	1,676	20	3	62	1	12
20 to 24 years .....	6,234	12	478	5,744	173	9	204	42	1
25 to 34 years .....	16,621	39	2,087	14,495	1,187	7	343	225	1
35 to 44 years .....	13,163	17	2,551	10,595	1,497	2	178	200	2
45 to 54 years .....	8,429	11	1,559	6,859	1,143	2	123	209	-
55 to 64 years .....	5,403	7	1,030	4,366	862	2	92	230	-
55 to 59 years .....	3,272	5	622	2,646	457	1	55	113	-
60 to 64 years .....	2,131	2	408	1,721	405	1	37	116	-
65 years and over .....	1,152	10	193	949	389	4	36	185	4
Women, 16 years and over .....	47,151	945	9,185	37,020	2,773	188	284	222	64
16 to 19 years .....	2,996	129	157	2,711	19	4	21	3	6
16 to 17 years .....	1,173	91	46	1,037	7	2	11	-	2
18 to 19 years .....	1,823	38	110	1,674	12	2	10	3	3
20 to 24 years .....	6,205	92	678	5,436	100	7	44	6	2
25 to 34 years .....	13,816	164	2,425	11,227	686	57	85	39	14
35 to 44 years .....	11,503	146	2,873	8,484	853	50	51	50	22
45 to 54 years .....	7,296	136	1,841	5,318	546	39	37	64	15
55 to 64 years .....	4,277	140	1,000	3,137	400	25	36	36	5
55 to 59 years .....	2,597	74	638	1,884	244	11	23	18	2
60 to 64 years .....	1,680	65	361	1,253	156	13	13	17	3
65 years and over .....	1,059	138	213	708	170	5	10	24	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-25. Employed civilians by industry and occupation**

(In thousands)

Industry	January 1988												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	2,789	72	69	24	10	116		11	41	6	43	16	2,380
Mining .....	775	134	76	42	13	82		7	237	15	123	45	-
Construction .....	6,966	940	152	51	74	459		29	4,013	112	387	735	14
Manufacturing .....	20,631	2,289	1,777	722	645	2,392		393	3,870	6,583	813	1,071	75
Durable goods .....	12,341	1,441	1,199	524	252	1,363		189	2,719	3,623	424	539	66
Nondurable goods .....	8,290	847	578	198	392	1,029		205	1,151	2,960	389	532	9
Transportation and public utilities .....	8,078	881	472	252	264	2,248		242	1,323	136	1,773	481	7
Wholesale and retail trade .....	23,390	2,015	427	80	9,575	2,375		4,240	1,541	317	970	1,821	28
Wholesale trade .....	4,607	511	90	31	1,749	798		57	306	143	499	407	16
Retail trade .....	18,783	1,504	337	50	7,826	1,577		4,183	1,236	174	470	1,414	13
Finance, insurance, and real estate .....	7,841	1,974	167	174	1,835	3,123	-	314	153	20	6	22	52
Services .....	36,511	4,165	11,105	1,907	814	6,269	877	7,695	1,794	702	471	403	309
Private households .....	1,076	1	11	14	-	2	877	105	3	-	2	12	50
Other service industries .....	35,435	4,164	11,095	1,894	815	6,267	-	7,589	1,791	702	469	391	259
Professional services .....	23,837	2,210	9,985	1,517	131	4,564		4,402	405	169	301	80	72
Public administration .....	5,159	1,110	678	212	39	1,414		1,328	221	35	57	43	22

<sup>1</sup> 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					
	Jan. 1987	Jan. 1988	Total		Wage and salary workers <sup>1</sup>			
			Jan. 1987	Jan. 1988	Paid absences		Unpaid absences	
					Jan. 1987	Jan. 1988	Jan. 1987	Jan. 1988
Total, 16 years and over .....	3,859	4,503	3,705	4,316	1,385	1,527	1,769	2,096
Vacation .....	1,211	1,357	1,173	1,322	676	713	359	458
Illness .....	1,361	1,461	1,334	1,426	498	543	699	744
Bad weather .....	256	573	211	529	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	42	12	42	12	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	989	1,100	946	1,027	212	270	711	894
Men, 16 years and over .....	2,039	2,523	1,909	2,373	733	818	839	1,083
Vacation .....	662	820	638	787	391	445	167	239
Illness .....	701	757	676	732	256	285	348	366
All other reasons <sup>3</sup> .....	677	945	595	853	86	88	325	478
Women, 16 years and over .....	1,820	1,981	1,796	1,943	652	709	931	1,014
Vacation .....	549	538	535	535	284	268	193	219
Illness .....	661	705	658	695	242	259	352	377
All other reasons <sup>3</sup> .....	610	739	603	713	125	182	386	417

<sup>1</sup> Excludes private household workers.

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

<sup>3</sup> 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	January 1988					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	107,636	2,601	105,035	100.0	100.0	100.0
1 to 34 hours .....	26,564	950	25,613	24.7	36.5	24.4
1 to 4 hours .....	837	38	799	.8	1.5	.8
5 to 14 hours .....	4,821	275	4,546	4.5	10.6	4.3
15 to 29 hours .....	13,387	453	12,933	12.4	17.4	12.3
30 to 34 hours .....	7,519	184	7,335	7.0	7.1	7.0
35 hours and over .....	81,073	1,651	79,421	75.3	63.5	75.6
35 to 39 hours .....	7,158	143	7,015	6.7	5.5	6.7
40 hours .....	43,048	538	42,510	40.0	20.7	40.5
41 hours and over .....	30,867	970	29,896	28.7	37.3	28.5
41 to 48 hours .....	11,414	204	11,211	10.6	7.8	10.7
49 to 59 hours .....	11,462	291	11,170	10.6	11.2	10.6
60 hours and over .....	7,991	475	7,515	7.4	18.3	7.2
Average hours, total at work .....	38.9	39.6	38.9			
Average hours, workers on full-time schedules .....	43.3	46.5	43.2			

**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	January 1988					
	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 .....	26,564	8,170	18,394	25,613	7,730	17,884
Economic reasons .....	5,394	1,907	3,487	5,191	1,798	3,393
Slack work .....	2,683	1,601	1,082	2,527	1,497	1,030
Material shortages or repairs to plant and equipment .....	40	40	-	40	40	-
New job started during week .....	174	174	-	169	169	-
Job terminated during week .....	92	92	-	92	92	-
Could find only part-time work .....	2,405	-	2,405	2,363	-	2,363
Other reasons .....	21,168	6,262	14,906	20,423	5,932	14,491
Does not want, or unavailable for, full-time work .....	12,562	-	12,562	12,269	-	12,269
Vacation .....	786	786	-	774	774	-
Illness .....	1,875	1,715	160	1,831	1,684	147
Bad weather .....	1,940	1,940	-	1,780	1,780	-
Industrial dispute .....	8	8	-	8	8	-
Legal or religious holiday .....	244	244	-	243	243	-
Full time for this job .....	1,624	-	1,624	1,581	-	1,581
All other reasons .....	2,131	1,570	561	1,938	1,443	495
Average hours:						
Economic reasons .....	22.0	24.1	20.8	22.1	24.3	20.9
Other reasons .....	21.1	25.7	19.1	21.1	25.9	19.2
Worked 30 to 34 hours:						
Economic reasons .....	1,685	816	869	1,649	782	867
Other reasons .....	5,834	3,120	2,714	5,686	3,016	2,670

**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	January 1988								
	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 .....	105,035	5,191	14,491	85,353	55,457	11,211	18,685	38.9	43.2
Wage and salary workers .....	97,382	4,585	13,124	79,673	52,791	10,639	16,243	38.8	42.9
Mining .....	697	20	13	664	341	99	224	46.1	47.3
Construction .....	5,220	401	214	4,605	3,290	526	789	38.9	41.3
Manufacturing .....	19,608	547	654	18,407	11,963	3,026	3,418	41.6	42.9
Durable goods .....	11,761	253	288	11,220	7,162	1,887	2,171	42.2	43.1
Nondurable goods .....	7,846	294	366	7,186	4,799	1,139	1,248	40.7	42.6
Transportation and public utilities .....	7,415	274	406	6,735	4,259	931	1,545	41.9	44.0
Wholesale and retail trade .....	20,860	1,591	4,970	14,299	8,536	2,164	3,599	36.5	43.9
Finance, insurance, and real estate .....	7,077	115	666	6,296	4,403	739	1,154	39.7	42.1
Service industries .....	31,507	1,567	5,912	24,028	16,512	2,734	4,782	37.2	42.5
Private households .....	1,019	146	450	423	276	47	100	27.3	44.8
All other industries .....	30,488	1,421	5,462	23,605	16,236	2,687	4,682	37.5	42.5
Public administration .....	4,998	69	288	4,641	3,492	419	730	40.7	42.2
Self-employed workers .....	7,427	591	1,290	5,546	2,581	564	2,401	40.0	47.5
Unpaid family workers .....	226	15	77	134	84	8	42	34.6	44.1

**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	January 1988							
	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		
<b>TOTAL</b>								
Total, 16 years and over .....	105,035	5,191	14,491	85,353	55,457	29,896	38.9	43.2
16 to 19 years .....	5,805	482	3,469	1,854	1,444	410	24.5	40.1
16 to 17 years .....	2,243	61	2,013	169	142	27	16.8	36.9
18 to 19 years .....	3,563	422	1,456	1,685	1,302	383	29.3	40.5
20 years and over .....	99,229	4,709	11,023	83,497	54,010	29,487	39.7	43.3
20 to 24 years .....	12,280	917	2,018	9,345	6,694	2,651	36.9	41.9
25 years and over .....	86,949	3,792	9,004	74,153	47,318	26,835	40.1	43.5
25 to 44 years .....	57,262	2,546	4,934	49,782	31,273	18,509	40.7	43.6
45 to 64 years .....	27,136	1,124	2,830	23,182	15,191	7,991	40.0	43.3
65 years and over .....	2,551	122	1,241	1,188	854	334	28.7	41.9
<b>Men, 16 years and over</b> .....	56,866	2,404	4,209	50,253	29,168	21,085	41.8	44.8
16 to 19 years .....	2,868	249	1,617	1,002	737	265	25.3	40.5
16 to 17 years .....	1,102	45	977	80	58	22	17.3	39.7
18 to 19 years .....	1,766	204	640	922	678	244	30.4	40.6
20 years and over .....	53,998	2,156	2,592	49,250	28,429	20,821	42.7	44.8
20 to 24 years .....	6,149	454	837	4,858	3,194	1,664	38.4	43.0
25 years and over .....	47,849	1,702	1,755	44,392	25,233	19,159	43.2	45.1
25 to 44 years .....	31,350	1,160	649	29,541	16,330	13,211	44.0	45.3
45 to 64 years .....	15,093	461	540	14,092	8,395	5,697	43.0	44.6
65 years and over .....	1,405	79	566	760	509	251	31.0	42.7
<b>Women, 16 years and over</b> .....	48,169	2,786	10,283	35,100	26,290	8,810	35.4	41.1
16 to 19 years .....	2,937	234	1,852	851	706	145	23.7	39.7
16 to 17 years .....	1,141	16	1,036	89	82	7	16.4	34.4
18 to 19 years .....	1,797	218	816	763	624	139	28.3	40.3
20 years and over .....	45,232	2,553	8,431	34,248	25,583	8,665	36.1	41.1
20 to 24 years .....	6,131	462	1,182	4,487	3,500	987	35.4	40.8
25 years and over .....	39,100	2,090	7,249	29,761	22,083	7,678	36.2	41.1
25 to 44 years .....	25,911	1,386	4,284	20,241	14,943	5,298	36.8	41.1
45 to 64 years .....	12,043	662	2,290	9,091	6,796	2,295	36.2	41.1
65 years and over .....	1,146	43	675	428	344	84	25.9	40.6
<b>RACE</b>								
White, 16 years and over .....	91,071	4,174	13,101	73,796	46,672	27,124	39.0	43.5
Men .....	49,898	1,981	3,706	44,211	24,902	19,309	42.1	45.0
Women .....	41,173	2,193	9,396	29,584	21,769	7,815	35.2	41.2
Black, 16 years and over .....	10,730	851	978	8,901	6,937	1,964	37.7	41.2
Men .....	5,255	349	346	4,560	3,333	1,227	39.4	42.3
Women .....	5,475	502	632	4,341	3,605	736	36.1	39.9
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	37,078	1,062	1,239	34,777	19,272	15,505	43.7	45.2
Widowed, divorced, or separated .....	5,489	292	221	4,976	2,954	2,022	42.4	44.7
Single (never married) .....	14,299	1,051	2,749	10,499	6,940	3,559	36.8	43.2
Women, 16 years and over:								
Married, spouse present .....	26,597	1,393	5,993	19,211	14,665	4,546	35.1	40.7
Widowed, divorced, or separated .....	9,457	609	1,210	7,638	5,478	2,160	37.6	41.6
Single (never married) .....	12,115	785	3,080	8,250	6,144	2,106	34.2	41.4

**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	January 1988								
	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 <sup>1</sup> .....	104,959	5,172	14,485	85,301	55,351	11,218	18,732	38.9	43.2
Managerial and professional specialty .....	27,513	521	2,460	24,533	13,677	3,182	7,674	42.2	45.0
Executive, administrative, and managerial .....	13,180	176	628	12,376	6,380	1,610	4,386	44.3	45.8
Professional specialty .....	14,334	345	1,831	12,157	7,296	1,572	3,288	40.3	44.1
Technical, sales, and administrative support .....	34,082	1,377	6,074	26,631	18,451	3,271	4,909	37.5	42.3
Technicians and related support .....	3,346	69	383	2,894	2,060	382	451	39.3	42.1
Sales occupations .....	12,785	792	2,689	9,303	4,952	1,228	3,123	38.4	45.3
Administrative support, including clerical .....	17,952	516	3,002	14,434	11,438	1,661	1,334	36.4	40.5
Service occupations .....	14,462	1,428	4,091	8,943	6,518	992	1,434	33.6	42.4
Private household .....	836	101	417	318	214	32	72	25.8	44.2
Protective service .....	1,829	58	163	1,608	986	244	378	42.0	45.1
Service, except private household and protective .....	11,798	1,269	3,511	7,017	5,318	716	984	32.9	41.6
Precision production, craft, and repair .....	12,484	657	471	11,356	7,287	1,709	2,359	41.1	43.2
Operators, fabricators, and laborers .....	16,417	1,189	1,389	13,839	9,419	2,064	2,356	39.2	42.6
Machine operators, assemblers, and inspectors .....	7,639	439	280	6,921	4,986	1,076	859	39.9	41.6
Transportation and material moving occupations .....	4,390	295	350	3,746	2,059	533	1,154	42.0	45.6
Handlers, equipment cleaners, helpers, and laborers .....	4,387	456	759	3,172	2,374	455	344	35.3	41.1
Men, 16 years and over <sup>1</sup> .....	56,655	2,382	4,164	50,109	29,006	7,076	14,027	41.9	44.8
Managerial and professional specialty .....	15,326	263	708	14,356	6,891	1,836	5,629	45.1	46.9
Executive, administrative, and managerial .....	8,056	120	220	7,716	3,346	1,017	3,353	46.4	47.6
Professional specialty .....	7,270	142	488	6,640	3,545	819	2,277	43.7	46.1
Technical, sales, and administrative support .....	12,022	313	1,070	10,639	5,824	1,540	3,275	42.3	45.2
Technicians and related support .....	1,736	28	88	1,620	1,069	236	315	41.8	43.3
Sales occupations .....	6,599	186	585	5,828	2,534	831	2,463	44.1	47.3
Administrative support, including clerical .....	3,686	99	397	3,191	2,220	474	497	39.1	42.2
Service occupations .....	5,810	419	1,106	4,286	2,946	538	802	37.0	43.5
Private household .....	45	8	23	14	9	-	5	( <sup>2</sup> )	( <sup>2</sup> )
Protective service .....	1,593	34	110	1,449	870	226	353	43.1	45.5
Service, except private household and protective .....	4,172	376	973	2,823	2,067	312	444	34.8	42.5
Precision production, craft, and repair .....	11,399	603	334	10,462	6,624	1,586	2,252	41.5	43.4
Operators, fabricators, and laborers .....	12,097	785	946	10,366	6,722	1,575	2,069	40.1	43.4
Machine operators, assemblers, and inspectors .....	4,476	183	130	4,163	2,834	687	642	41.3	42.5
Transportation and material moving occupations .....	3,959	238	197	3,524	1,893	504	1,128	43.1	45.9
Handlers, equipment cleaners, helpers, and laborers .....	3,662	363	619	2,679	1,995	385	299	35.5	41.3
Women, 16 years and over <sup>1</sup> .....	48,304	2,791	10,321	35,192	26,345	4,142	4,705	35.4	41.1
Managerial and professional specialty .....	12,187	259	1,752	10,177	6,786	1,346	2,044	38.6	42.3
Executive, administrative, and managerial .....	5,124	56	408	4,660	3,034	592	1,033	41.0	42.9
Professional specialty .....	7,063	203	1,343	5,517	3,752	754	1,012	36.8	41.7
Technical, sales, and administrative support .....	22,061	1,064	5,004	15,992	12,627	1,731	1,634	34.8	40.4
Technicians and related support .....	1,610	41	296	1,274	990	147	137	36.7	40.6
Sales occupations .....	6,185	606	2,104	3,475	2,418	397	660	32.3	41.9
Administrative support, including clerical .....	14,265	417	2,605	11,243	9,218	1,187	838	35.8	40.0
Service occupations .....	8,652	1,010	2,985	4,657	3,572	453	632	31.3	41.3
Private household .....	790	93	394	304	204	32	68	25.9	44.2
Protective service .....	236	24	54	159	116	18	25	34.5	42.3
Service, except private household and protective .....	7,625	893	2,538	4,194	3,251	404	540	31.8	41.0
Precision production, craft, and repair .....	1,084	54	136	894	664	123	107	36.9	40.6
Operators, fabricators, and laborers .....	4,320	404	443	3,472	2,696	488	287	36.7	40.2
Machine operators, assemblers, and inspectors .....	3,163	256	150	2,758	2,152	389	217	37.9	40.1
Transportation and material moving occupations .....	431	57	153	221	166	29	26	31.5	40.9
Handlers, equipment cleaners, helpers, and laborers .....	726	92	140	493	378	71	44	34.6	40.0

<sup>1</sup> Excludes farming, forestry, and fishing occupations.

<sup>2</sup> 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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	183,575	183,738	183,915	184,079	184,259	184,421	184,605	184,738	184,904	185,052	185,225	185,370	185,571
Labor force <sup>1</sup> .....	120,726	120,970	120,982	121,098	121,633	121,326	121,610	122,042	121,706	122,128	122,349	122,472	122,924
Percent of population <sup>2</sup> .....	65.8	65.8	65.8	65.8	66.0	65.8	65.9	66.1	65.8	66.0	66.1	66.1	66.2
Total employed <sup>1</sup> .....	112,762	113,084	113,191	113,541	114,060	114,018	114,359	114,786	114,615	114,951	115,259	115,494	115,878
Employment-population ratio <sup>3</sup> .....	61.4	61.5	61.5	61.7	61.9	61.8	61.9	62.1	62.0	62.1	62.2	62.3	62.4
Resident Armed Forces .....	1,748	1,740	1,736	1,735	1,726	1,718	1,720	1,736	1,743	1,741	1,755	1,750	1,749
Civilian employed .....	111,014	111,344	111,455	111,806	112,334	112,300	112,639	113,050	112,872	113,210	113,504	113,744	114,129
Agriculture .....	3,174	3,225	3,237	3,250	3,269	3,192	3,212	3,143	3,184	3,249	3,172	3,215	3,293
Nonagricultural industries .....	107,840	108,119	108,218	108,556	109,065	109,108	109,427	109,907	109,688	109,961	110,332	110,529	110,836
Unemployed .....	7,964	7,886	7,791	7,557	7,573	7,308	7,251	7,256	7,091	7,177	7,090	6,978	7,046
Unemployment rate <sup>4</sup> .....	6.6	6.5	6.4	6.2	6.2	6.0	6.0	5.9	5.8	5.9	5.8	5.7	5.7
Not in labor force .....	62,849	62,768	62,933	62,981	62,626	63,095	62,995	62,696	63,198	62,924	62,876	62,898	62,647
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	88,020	88,099	88,186	88,271	88,361	88,442	88,534	88,598	88,683	88,756	88,849	88,924	89,033
Labor force <sup>1</sup> .....	67,602	67,655	67,590	67,604	67,802	67,623	67,671	67,937	67,776	67,947	68,019	68,030	68,243
Percent of population <sup>2</sup> .....	76.8	76.8	76.6	76.6	76.7	76.5	76.4	76.7	76.4	76.6	76.6	76.5	76.6
Total employed <sup>1</sup> .....	63,153	63,281	63,263	63,390	63,543	63,543	63,711	63,916	63,949	64,048	64,174	64,245	64,396
Employment-population ratio <sup>3</sup> .....	71.7	71.8	71.7	71.8	71.9	71.8	72.0	72.1	72.1	72.2	72.2	72.2	72.3
Resident Armed Forces .....	1,591	1,584	1,575	1,575	1,566	1,559	1,561	1,575	1,581	1,580	1,593	1,589	1,588
Civilian employed .....	61,562	61,697	61,688	61,815	61,977	61,984	62,150	62,341	62,368	62,468	62,581	62,656	62,808
Unemployed .....	4,449	4,374	4,327	4,214	4,259	4,080	3,960	4,021	3,827	3,899	3,845	3,785	3,847
Unemployment rate <sup>4</sup> .....	6.6	6.5	6.4	6.2	6.3	6.0	5.9	5.9	5.6	5.7	5.7	5.6	5.6
Not in labor force .....	20,418	20,444	20,596	20,667	20,559	20,819	20,863	20,661	20,907	20,809	20,830	20,894	20,790
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	95,556	95,639	95,729	95,808	95,898	95,979	96,071	96,140	96,221	96,295	96,376	96,446	96,538
Labor force <sup>1</sup> .....	53,124	53,315	53,392	53,494	53,831	53,703	53,939	54,105	53,930	54,181	54,330	54,442	54,681
Percent of population <sup>2</sup> .....	55.6	55.7	55.8	55.8	56.1	56.0	56.1	56.3	55.0	56.3	56.4	56.4	56.6
Total employed <sup>1</sup> .....	49,609	49,803	49,928	50,151	50,517	50,475	50,648	50,870	50,666	50,903	51,085	51,249	51,482
Employment-population ratio <sup>3</sup> .....	51.9	52.1	52.2	52.3	52.7	52.6	52.7	52.9	52.7	52.9	53.0	53.1	53.3
Resident Armed Forces .....	157	156	161	160	160	159	159	161	162	161	162	161	161
Civilian employed .....	49,452	49,647	49,767	49,991	50,357	50,316	50,489	50,709	50,504	50,742	50,923	51,088	51,321
Unemployed .....	3,515	3,512	3,464	3,343	3,314	3,228	3,291	3,235	3,264	3,278	3,245	3,193	3,200
Unemployment rate <sup>4</sup> .....	6.6	6.6	6.5	6.2	6.2	6.0	6.1	6.0	6.1	6.1	6.0	5.9	5.9
Not in labor force .....	42,432	42,324	42,337	42,314	42,067	42,276	42,132	42,035	42,291	42,114	42,046	42,004	41,857

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> 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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	181,827	181,998	182,179	182,344	182,533	182,703	182,885	183,002	183,161	183,311	183,470	183,620	183,822
Civilian labor force .....	118,978	119,230	119,246	119,363	119,907	119,608	119,890	120,306	119,963	120,387	120,594	120,722	121,175
Percent of population .....	65.4	65.5	65.5	65.5	65.7	65.5	65.6	65.7	65.5	65.7	65.7	65.7	65.9
Employed .....	111,014	111,344	111,455	111,806	112,334	112,300	112,639	113,050	112,872	113,210	113,504	113,744	114,129
Employment-population ratio <sup>2</sup> .....	61.1	61.2	61.2	61.3	61.5	61.5	61.6	61.8	61.6	61.8	61.9	61.9	62.1
Unemployed .....	7,964	7,886	7,791	7,557	7,573	7,308	7,251	7,256	7,091	7,177	7,090	6,978	7,046
Unemployment rate .....	6.7	6.6	6.5	6.3	6.3	6.1	6.0	6.0	5.9	6.0	5.9	5.8	5.8
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	79,132	79,216	79,303	79,387	79,474	79,536	79,625	79,668	79,740	79,807	79,885	80,002	80,120
Civilian labor force .....	61,911	61,930	61,933	61,970	62,129	62,054	62,106	62,083	62,085	62,211	62,299	62,248	62,440
Percent of population .....	78.2	78.2	78.1	78.1	78.2	78.0	78.0	77.9	77.9	78.0	78.0	77.8	77.9
Employed .....	58,220	58,324	58,380	58,516	58,673	58,632	58,783	58,825	58,967	59,037	59,164	59,185	59,287
Employment-population ratio <sup>2</sup> .....	73.6	73.6	73.6	73.7	73.8	73.7	73.8	73.8	73.9	74.0	74.1	74.0	74.0
Agriculture .....	2,287	2,317	2,361	2,378	2,383	2,316	2,333	2,289	2,345	2,343	2,297	2,298	2,323
Nonagricultural industries .....	55,933	56,007	56,019	56,138	56,290	56,316	56,450	56,536	56,622	56,694	56,867	56,887	56,964
Unemployed .....	3,691	3,606	3,553	3,454	3,456	3,422	3,323	3,258	3,118	3,174	3,135	3,063	3,154
Unemployment rate .....	6.0	5.8	5.7	5.6	5.6	5.5	5.4	5.2	5.0	5.1	5.0	4.9	5.1
Not in labor force .....	17,221	17,286	17,370	17,417	17,345	17,482	17,519	17,585	17,655	17,596	17,586	17,754	17,680
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	88,150	88,237	88,321	88,395	88,464	88,546	88,632	88,685	88,785	88,843	88,923	89,010	89,110
Civilian labor force .....	49,167	49,343	49,414	49,494	49,728	49,722	49,886	49,969	49,922	50,095	50,254	50,361	50,558
Percent of population .....	55.8	55.9	55.9	56.0	56.2	56.2	56.3	56.3	56.2	56.4	56.5	56.6	56.7
Employed .....	46,290	46,485	46,582	46,761	47,028	47,088	47,206	47,308	47,251	47,480	47,634	47,750	47,977
Employment-population ratio <sup>2</sup> .....	52.5	52.7	52.7	52.9	53.2	53.2	53.3	53.3	53.2	53.4	53.6	53.6	53.8
Agriculture .....	625	634	602	603	629	619	620	609	600	636	636	643	646
Nonagricultural industries .....	45,665	45,851	45,980	46,158	46,399	46,469	46,586	46,699	46,651	46,844	46,998	47,107	47,331
Unemployed .....	2,877	2,858	2,832	2,733	2,700	2,634	2,680	2,661	2,671	2,615	2,620	2,611	2,581
Unemployment rate .....	5.9	5.8	5.7	5.5	5.4	5.3	5.4	5.3	5.4	5.2	5.2	5.2	5.1
Not in labor force .....	38,983	38,894	38,907	38,901	38,736	38,824	38,746	38,716	38,863	38,748	38,669	38,649	38,552
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,545	14,546	14,555	14,562	14,595	14,621	14,628	14,649	14,637	14,661	14,663	14,609	14,592
Civilian labor force .....	7,900	7,957	7,899	7,899	8,050	7,832	7,898	8,254	7,956	8,081	8,041	8,113	8,177
Percent of population .....	54.3	54.7	54.3	54.2	55.2	53.6	54.0	56.3	54.4	55.1	54.8	55.5	56.0
Employed .....	6,504	6,535	6,493	6,529	6,633	6,580	6,650	6,917	6,654	6,693	6,706	6,809	6,865
Employment-population ratio <sup>2</sup> .....	44.7	44.9	44.6	44.8	45.4	45.0	45.5	47.2	45.5	45.7	45.7	46.6	47.0
Agriculture .....	262	274	274	269	257	257	259	245	239	270	239	274	323
Nonagricultural industries .....	6,242	6,261	6,219	6,260	6,376	6,323	6,391	6,672	6,415	6,423	6,467	6,535	6,542
Unemployed .....	1,396	1,422	1,406	1,370	1,417	1,252	1,248	1,337	1,302	1,388	1,335	1,304	1,312
Unemployment rate .....	17.7	17.9	17.8	17.3	17.6	16.0	15.8	16.2	16.4	17.2	16.6	16.1	16.0
Not in labor force .....	6,645	6,589	6,656	6,663	6,545	6,789	6,730	6,395	6,681	6,580	6,622	6,496	6,415

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional

population.



**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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	156,313	156,431	156,561	156,676	156,811	156,930	157,058	157,134	157,242	157,342	157,449	157,552	157,676
Civilian labor force .....	102,669	102,825	102,836	102,972	103,416	103,150	103,248	103,516	103,357	103,669	103,731	103,907	104,252
Percent of population .....	65.7	65.7	65.7	65.7	65.9	65.7	65.7	65.9	65.7	65.9	65.9	66.0	66.1
Employed .....	96,749	97,001	97,074	97,338	97,829	97,698	97,917	98,181	98,069	98,317	98,492	98,779	99,044
Employment-population ratio <sup>2</sup> .....	61.9	62.0	62.0	62.1	62.4	62.3	62.3	62.5	62.4	62.5	62.6	62.7	62.8
Unemployed .....	5,920	5,824	5,762	5,634	5,587	5,452	5,331	5,335	5,288	5,352	5,239	5,128	5,208
Unemployment rate .....	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.2	5.1	4.9	5.0
<b>Men, 20 years and over</b>													
Civilian labor force .....	54,114	54,121	54,097	54,124	54,238	54,227	54,198	54,183	54,213	54,375	54,381	54,368	54,455
Percent of population .....	78.6	78.5	78.4	78.4	78.5	78.4	78.3	78.2	78.2	78.4	78.3	78.2	78.3
Employed .....	51,296	51,366	51,371	51,460	51,626	51,591	51,670	51,715	51,803	51,864	51,969	52,046	52,053
Employment-population ratio <sup>2</sup> .....	74.5	74.5	74.5	74.5	74.7	74.6	74.7	74.7	74.7	74.8	74.9	74.9	74.8
Unemployed .....	2,818	2,755	2,726	2,664	2,612	2,636	2,528	2,468	2,410	2,511	2,412	2,322	2,402
Unemployment rate .....	5.2	5.1	5.0	4.9	4.8	4.9	4.7	4.6	4.4	4.6	4.4	4.3	4.4
<b>Women, 20 years and over</b>													
Civilian labor force .....	41,677	41,780	41,877	41,984	42,182	42,137	42,241	42,332	42,308	42,379	42,464	42,569	42,710
Percent of population .....	55.2	55.3	55.4	55.5	55.7	55.6	55.7	55.8	55.7	55.7	55.8	55.9	56.1
Employed .....	39,613	39,755	39,890	40,032	40,268	40,265	40,343	40,449	40,409	40,538	40,606	40,712	40,896
Employment-population ratio <sup>2</sup> .....	52.4	52.6	52.7	52.9	53.1	53.1	53.2	53.3	53.2	53.3	53.4	53.5	53.7
Unemployed .....	2,064	2,025	1,987	1,952	1,914	1,872	1,898	1,883	1,899	1,841	1,858	1,857	1,813
Unemployment rate .....	5.0	4.8	4.7	4.6	4.5	4.4	4.5	4.4	4.5	4.3	4.4	4.4	4.2
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,878	6,924	6,862	6,864	6,996	6,786	6,809	7,001	6,836	6,915	6,886	6,970	7,087
Percent of population .....	57.8	58.1	57.5	57.5	58.5	56.7	56.9	58.5	57.2	57.9	57.7	58.6	59.6
Employed .....	5,840	5,880	5,813	5,846	5,935	5,842	5,904	6,017	5,857	5,915	5,917	6,021	6,095
Employment-population ratio <sup>2</sup> .....	49.1	49.4	48.7	48.9	49.7	48.8	49.3	50.3	49.0	49.5	49.6	50.6	51.2
Unemployed .....	1,038	1,044	1,049	1,018	1,061	944	905	984	979	1,000	969	949	992
Unemployment rate .....	15.1	15.1	15.3	14.8	15.2	13.9	13.3	14.1	14.3	14.5	14.1	13.6	14.0
Men .....	16.1	16.0	16.8	16.3	17.0	14.8	13.5	15.2	15.1	15.1	14.8	14.9	14.4
Women .....	14.0	14.1	13.7	13.3	13.3	13.0	13.1	12.9	13.4	13.8	13.3	12.3	13.6
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	20,187	20,218	20,249	20,279	20,312	20,341	20,373	20,396	20,426	20,453	20,482	20,508	20,539
Civilian labor force .....	12,807	12,894	12,853	12,778	12,889	12,892	13,039	13,150	13,028	13,152	13,193	13,215	13,222
Percent of population .....	63.4	63.8	63.5	63.0	63.5	63.4	64.0	64.5	63.8	64.3	64.4	64.4	64.4
Employed .....	10,995	11,086	11,072	11,114	11,129	11,238	11,381	11,513	11,421	11,556	11,589	11,605	11,608
Employment-population ratio <sup>2</sup> .....	54.5	54.8	54.7	54.8	54.8	55.2	55.9	56.4	55.9	56.5	56.6	56.6	56.5
Unemployed .....	1,812	1,808	1,781	1,664	1,760	1,654	1,658	1,637	1,607	1,596	1,604	1,610	1,614
Unemployment rate .....	14.1	14.0	13.9	13.0	13.7	12.8	12.7	12.4	12.3	12.1	12.2	12.2	12.2
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,988	5,996	5,995	5,980	6,037	6,003	6,061	6,054	6,032	6,023	6,045	6,043	6,115
Percent of population .....	74.9	74.9	74.8	74.4	75.0	74.5	75.1	74.9	74.5	74.3	74.5	74.3	75.0
Employed .....	5,261	5,283	5,298	5,322	5,296	5,319	5,384	5,407	5,421	5,431	5,430	5,430	5,497
Employment-population ratio <sup>2</sup> .....	65.8	66.0	66.1	66.3	65.8	66.0	66.7	66.9	67.0	67.0	66.9	66.8	67.5
Unemployed .....	727	713	697	658	741	684	677	647	611	592	615	613	618
Unemployment rate .....	12.1	11.9	11.6	11.0	12.3	11.4	11.2	10.7	10.1	9.8	10.2	10.1	10.1
<b>Women, 20 years and over</b>													
Civilian labor force .....	5,969	6,005	5,994	5,943	5,987	6,033	6,116	6,122	6,067	6,177	6,207	6,224	6,244
Percent of population .....	59.4	59.7	59.5	58.9	59.3	59.6	60.4	60.3	59.7	60.7	60.9	61.0	61.1
Employed .....	5,217	5,249	5,230	5,254	5,292	5,349	5,417	5,430	5,357	5,495	5,537	5,544	5,550
Employment-population ratio <sup>2</sup> .....	51.9	52.2	51.9	52.1	52.4	52.9	53.5	53.5	52.7	54.0	54.3	54.3	54.3
Unemployed .....	752	756	764	689	695	684	699	692	710	682	670	680	694
Unemployment rate .....	12.6	12.6	12.7	11.6	11.6	11.3	11.4	11.3	11.7	11.0	10.8	10.9	11.1

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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	850	893	864	855	865	856	862	974	929	952	941	948	863
Percent of population .....	39.6	41.6	40.1	39.6	40.0	39.5	39.8	44.9	42.8	43.8	43.3	43.7	39.8
Employed .....	517	554	544	538	541	570	580	676	643	630	622	631	561
Employment-population ratio <sup>2</sup> .....	24.1	25.8	25.2	24.9	25.0	26.3	26.8	31.2	29.6	29.0	28.6	29.1	25.8
Unemployed .....	333	339	320	317	324	286	282	298	286	322	319	317	302
Unemployment rate .....	39.2	38.0	37.0	37.1	37.5	33.4	32.7	30.6	30.8	33.8	33.9	33.4	35.0
Men .....	36.5	37.9	36.1	37.8	38.3	31.4	32.4	33.7	31.5	32.5	32.2	33.5	35.1
Women .....	42.3	38.0	38.0	36.3	36.6	35.4	33.1	27.1	30.0	35.2	35.8	33.4	34.9
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	12,653	12,692	12,732	12,770	12,809	12,848	12,887	12,925	12,965	13,003	13,043	13,082	13,115
Civilian labor force .....	8,387	8,423	8,395	8,468	8,549	8,468	8,447	8,549	8,581	8,654	8,763	8,772	8,879
Percent of population .....	66.3	66.4	65.9	66.3	66.7	65.9	65.5	66.1	66.2	66.6	67.2	67.1	67.7
Employed .....	7,533	7,614	7,632	7,686	7,797	7,738	7,762	7,856	7,877	7,935	7,978	8,058	8,238
Employment-population ratio <sup>2</sup> .....	59.5	60.0	59.9	60.2	60.9	60.2	60.2	60.8	60.8	61.0	61.2	61.6	62.8
Unemployed .....	854	809	763	782	752	730	685	693	704	719	785	714	642
Unemployment rate .....	10.2	9.6	9.1	9.2	8.8	8.6	8.1	8.1	8.2	8.3	9.0	8.1	7.2

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> 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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>CHARACTERISTIC</b>													
Total .....	111,014	111,344	111,455	111,806	112,334	112,300	112,639	113,050	112,872	113,210	113,504	113,744	114,129
Married men, spouse present .....	40,047	39,958	40,054	40,021	40,075	40,120	40,262	40,308	40,404	40,556	40,645	40,711	40,404
Married women, spouse present .....	27,713	27,837	27,966	28,130	28,314	28,282	28,283	28,189	28,069	28,099	28,175	28,249	28,441
Women who maintain families .....	5,958	5,925	5,946	5,971	5,963	6,011	6,033	6,107	6,151	6,178	6,237	6,227	6,168
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,635	1,640	1,689	1,599	1,672	1,622	1,625	1,591	1,624	1,705	1,595	1,599	1,666
Self-employed workers .....	1,392	1,440	1,416	1,488	1,429	1,403	1,424	1,393	1,415	1,430	1,407	1,450	1,454
Unpaid family workers .....	143	132	152	170	165	162	153	155	139	140	155	156	138
Nonagricultural industries:													
Wage and salary workers .....	99,557	99,772	99,863	100,106	100,634	100,510	100,825	101,241	101,282	101,522	101,943	101,997	102,507
Government .....	16,492	16,553	16,594	16,518	16,708	16,920	16,876	16,794	16,928	17,033	17,118	17,064	17,197
Private industries .....	83,065	83,219	83,269	83,588	83,926	83,590	83,949	84,447	84,354	84,489	84,825	84,933	85,310
Private households .....	1,245	1,213	1,227	1,234	1,240	1,163	1,212	1,175	1,100	1,222	1,286	1,200	1,147
Other industries .....	81,820	82,006	82,042	82,354	82,686	82,427	82,737	83,272	83,254	83,267	83,539	83,733	84,163
Self-employed workers .....	8,136	8,166	8,082	8,139	8,157	8,293	8,216	8,214	8,204	8,274	8,222	8,280	8,150
Unpaid family workers .....	245	254	270	268	276	274	266	248	297	242	235	248	237
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	5,508	5,766	5,459	5,394	5,333	5,254	5,428	5,283	5,261	5,353	5,534	5,262	5,367
Slack work .....	2,467	2,501	2,438	2,345	2,292	2,345	2,429	2,468	2,213	2,377	2,408	2,284	2,396
Could only find part-time work .....	2,721	2,773	2,707	2,725	2,677	2,623	2,683	2,526	2,683	2,655	2,696	2,638	2,640
Voluntary part time .....	14,147	14,110	14,201	13,940	14,498	14,836	14,437	14,573	14,415	14,488	14,523	14,711	14,571
Nonagricultural industries:													
Part time for economic reasons .....	5,211	5,458	5,180	5,104	5,058	4,979	5,154	5,016	4,986	5,067	5,241	5,004	5,145
Slack work .....	2,279	2,315	2,234	2,163	2,126	2,176	2,261	2,265	2,034	2,196	2,209	2,111	2,260
Could only find part-time work .....	2,631	2,682	2,612	2,648	2,603	2,530	2,599	2,463	2,603	2,557	2,597	2,552	2,566
Voluntary part time .....	13,706	13,635	13,717	13,544	13,995	14,334	13,953	14,099	13,987	14,011	14,064	14,222	14,096

<sup>1</sup> 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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over .....	111,014	111,344	111,455	111,806	112,334	112,300	112,639	113,050	112,872	113,210	113,504	113,744	114,129
16 to 24 years .....	20,203	20,229	20,148	20,109	20,208	20,069	20,184	20,475	20,116	20,096	20,065	20,112	20,312
16 to 19 years .....	6,504	6,535	6,493	6,529	6,633	6,580	6,650	6,917	6,654	6,693	6,706	6,809	6,865
16 to 17 years .....	2,698	2,721	2,670	2,655	2,702	2,694	2,760	2,849	2,754	2,768	2,734	2,826	2,776
18 to 19 years .....	3,814	3,835	3,834	3,872	3,930	3,871	3,875	3,996	3,911	3,936	3,985	3,994	4,061
20 to 24 years .....	13,699	13,694	13,655	13,580	13,575	13,489	13,534	13,558	13,462	13,403	13,359	13,303	13,447
25 years and over .....	90,798	91,132	91,343	91,675	92,087	92,234	92,551	92,606	92,735	93,071	93,424	93,625	93,778
25 to 54 years .....	76,351	76,683	76,900	77,294	77,621	77,726	78,015	78,202	78,307	78,477	78,731	78,916	79,170
55 years and over .....	14,431	14,370	14,391	14,373	14,452	14,537	14,497	14,498	14,491	14,641	14,663	14,716	14,581
Men, 16 years and over .....	61,562	61,697	61,688	61,815	61,977	61,984	62,150	62,341	62,368	62,468	62,581	62,656	62,808
16 to 24 years .....	10,503	10,546	10,463	10,423	10,392	10,366	10,441	10,586	10,448	10,403	10,370	10,369	10,456
16 to 19 years .....	3,342	3,373	3,308	3,299	3,304	3,352	3,367	3,516	3,401	3,431	3,417	3,471	3,521
16 to 17 years .....	1,380	1,413	1,362	1,353	1,362	1,373	1,417	1,410	1,391	1,409	1,390	1,451	1,444
18 to 19 years .....	1,964	1,977	1,953	1,948	1,940	1,960	1,938	2,046	2,021	2,034	2,040	2,035	2,053
20 to 24 years .....	7,161	7,173	7,155	7,124	7,088	7,014	7,074	7,070	7,047	6,972	6,953	6,898	6,935
25 years and over .....	51,050	51,178	51,261	51,385	51,554	51,601	51,733	51,781	51,900	52,047	52,210	52,299	52,338
25 to 54 years .....	42,565	42,668	42,743	42,904	43,002	43,071	43,203	43,289	43,408	43,488	43,592	43,690	43,848
55 years and over .....	8,470	8,467	8,507	8,480	8,544	8,561	8,524	8,503	8,514	8,580	8,605	8,629	8,470
Women, 16 years and over .....	49,452	49,647	49,767	49,991	50,357	50,316	50,489	50,709	50,504	50,742	50,923	51,088	51,321
16 to 24 years .....	9,700	9,683	9,685	9,686	9,816	9,703	9,743	9,889	9,668	9,693	9,695	9,743	9,857
16 to 19 years .....	3,162	3,162	3,185	3,230	3,329	3,228	3,283	3,401	3,253	3,262	3,289	3,338	3,344
16 to 17 years .....	1,318	1,308	1,308	1,302	1,340	1,321	1,343	1,439	1,363	1,359	1,344	1,375	1,332
18 to 19 years .....	1,850	1,858	1,881	1,924	1,990	1,911	1,937	1,950	1,890	1,902	1,945	1,959	2,008
20 to 24 years .....	6,538	6,521	6,500	6,456	6,487	6,475	6,460	6,488	6,415	6,431	6,406	6,405	6,513
25 years and over .....	39,748	39,954	40,082	40,290	40,533	40,633	40,818	40,825	40,835	41,024	41,214	41,326	41,440
25 to 54 years .....	33,786	34,015	34,157	34,390	34,619	34,655	34,812	34,913	34,899	34,989	35,139	35,226	35,322
55 years and over .....	5,961	5,903	5,884	5,893	5,908	5,976	5,973	5,995	5,977	6,061	6,058	6,087	6,111

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

(In thousands)

Sex and age	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over .....	7,964	7,886	7,791	7,557	7,573	7,308	7,251	7,256	7,091	7,177	7,090	6,978	7,046
16 to 24 years .....	3,029	3,015	2,951	2,902	2,895	2,756	2,701	2,736	2,692	2,689	2,641	2,547	2,659
16 to 19 years .....	1,396	1,422	1,406	1,370	1,417	1,252	1,248	1,337	1,302	1,388	1,335	1,304	1,312
16 to 17 years .....	670	672	665	620	717	623	586	638	618	710	649	613	638
18 to 19 years .....	738	754	741	733	702	657	624	688	701	679	691	688	689
20 to 24 years .....	1,633	1,593	1,545	1,532	1,478	1,504	1,453	1,399	1,390	1,301	1,306	1,243	1,347
25 years and over .....	4,942	4,879	4,838	4,667	4,657	4,502	4,538	4,544	4,445	4,482	4,442	4,412	4,393
25 to 54 years .....	4,478	4,421	4,339	4,143	4,134	4,042	4,078	4,050	3,931	3,993	3,909	3,939	3,896
55 years and over .....	491	463	503	505	532	475	462	483	499	474	513	488	527
Men, 16 years and over .....	4,449	4,374	4,327	4,214	4,259	4,080	3,960	4,021	3,827	3,899	3,845	3,785	3,847
16 to 24 years .....	1,623	1,644	1,586	1,576	1,586	1,474	1,415	1,518	1,435	1,432	1,414	1,378	1,456
16 to 19 years .....	758	768	774	760	803	658	637	763	709	725	710	722	693
16 to 17 years .....	368	365	347	360	401	325	292	363	341	372	356	347	348
18 to 19 years .....	404	408	426	401	402	357	307	387	382	354	355	367	360
20 to 24 years .....	865	876	812	816	783	816	778	755	726	707	704	656	763
25 years and over .....	2,824	2,747	2,735	2,651	2,648	2,585	2,535	2,528	2,427	2,462	2,419	2,390	2,391
25 to 54 years .....	2,529	2,456	2,413	2,304	2,310	2,271	2,238	2,215	2,139	2,182	2,109	2,112	2,070
55 years and over .....	321	300	318	327	348	301	300	302	283	277	313	282	351
Women, 16 years and over .....	3,515	3,512	3,464	3,343	3,314	3,228	3,291	3,235	3,264	3,278	3,245	3,193	3,200
16 to 24 years .....	1,406	1,371	1,365	1,326	1,309	1,282	1,286	1,218	1,257	1,257	1,227	1,169	1,203
16 to 19 years .....	638	654	632	610	614	594	611	574	593	663	625	582	619
16 to 17 years .....	302	307	318	260	316	298	294	275	277	338	293	266	290
18 to 19 years .....	334	346	315	332	300	300	317	301	319	325	336	321	329
20 to 24 years .....	768	717	733	716	695	688	675	644	664	594	602	587	584
25 years and over .....	2,118	2,132	2,103	2,016	2,009	1,917	2,003	2,016	2,018	2,020	2,023	2,022	2,002
25 to 54 years .....	1,949	1,965	1,926	1,839	1,824	1,771	1,840	1,835	1,792	1,811	1,800	1,827	1,826
55 years and over .....	170	163	185	178	184	174	162	181	216	197	200	206	175

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over .....	6.7	6.6	6.5	6.3	6.3	6.1	6.0	6.0	5.9	6.0	5.9	5.8	5.8
16 to 24 years .....	13.0	13.0	12.8	12.6	12.5	12.1	11.8	11.8	11.8	11.8	11.6	11.2	11.6
16 to 19 years .....	17.7	17.9	17.8	17.3	17.6	16.0	15.6	16.2	16.4	17.2	16.6	16.1	16.0
16 to 17 years .....	19.9	19.8	19.9	18.9	21.0	18.8	17.5	18.3	18.3	20.4	19.2	17.8	18.7
18 to 19 years .....	16.2	16.4	16.2	15.9	15.2	14.5	13.9	14.7	15.2	14.7	14.8	14.7	14.5
20 to 24 years .....	10.7	10.4	10.2	10.1	9.8	10.0	9.7	9.4	9.4	8.8	8.9	8.5	9.1
25 years and over .....	5.2	5.1	5.0	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.5
25 to 54 years .....	5.5	5.5	5.3	5.1	5.1	4.9	5.0	4.9	4.8	4.8	4.7	4.8	4.7
55 years and over .....	3.3	3.1	3.4	3.4	3.6	3.2	3.1	3.2	3.3	3.1	3.4	3.2	3.5
Men, 18 years and over .....	6.7	6.6	6.6	6.4	6.4	6.2	6.0	6.1	5.8	5.9	5.8	5.7	5.8
18 to 24 years .....	13.4	13.5	13.2	13.1	13.2	12.4	11.9	12.5	12.1	12.1	12.0	11.7	12.2
16 to 19 years .....	18.5	18.5	19.0	18.7	19.8	16.4	15.9	17.8	17.3	17.4	17.2	17.2	16.4
16 to 17 years .....	21.1	20.5	20.3	21.0	22.7	19.1	17.1	20.5	19.7	20.9	20.4	19.3	19.4
18 to 19 years .....	17.1	17.1	17.9	17.1	17.2	15.4	13.7	15.9	15.9	14.8	14.8	15.3	14.9
20 to 24 years .....	10.8	10.9	10.2	10.3	9.9	10.4	9.9	9.6	9.3	9.2	9.2	8.7	9.9
25 years and over .....	5.2	5.1	5.1	4.9	4.9	4.8	4.7	4.7	4.5	4.5	4.4	4.4	4.4
25 to 54 years .....	5.6	5.4	5.3	5.1	5.1	5.0	4.9	4.9	4.7	4.8	4.6	4.8	4.5
55 years and over .....	3.7	3.4	3.6	3.7	3.9	3.4	3.4	3.4	3.2	3.1	3.5	3.2	4.0
Women, 18 years and over .....	6.6	6.6	6.5	6.3	6.2	6.0	6.1	6.0	6.1	6.1	6.0	5.9	5.9
16 to 24 years .....	12.7	12.4	12.4	12.0	11.8	11.7	11.7	11.0	11.5	11.5	11.2	10.7	10.9
16 to 19 years .....	18.8	17.1	18.8	15.9	15.6	15.5	15.7	14.4	15.4	16.9	16.0	14.8	15.6
16 to 17 years .....	18.6	19.0	19.6	16.6	19.1	18.4	16.0	16.0	16.9	19.9	17.9	18.2	17.9
18 to 19 years .....	15.3	15.7	14.3	14.7	13.1	13.6	14.1	13.4	14.4	14.6	14.7	14.1	14.1
20 to 24 years .....	10.5	9.9	10.1	10.0	9.7	9.6	9.5	9.0	9.4	8.5	8.6	8.4	8.2
25 years and over .....	5.1	5.1	5.0	4.6	4.7	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.6
25 to 54 years .....	5.5	5.5	5.3	5.1	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.9	4.9
55 years and over .....	2.8	2.7	3.0	2.9	3.0	2.8	2.6	2.9	3.5	3.1	3.2	3.3	2.8

**A-39. Selected unemployment indicators, seasonally adjusted**

(Unemployment rates)

Category	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	6.7	6.6	6.5	6.3	6.3	6.1	6.0	6.0	5.9	6.0	5.9	5.8	5.8
Men, 20 years and over .....	6.0	5.8	5.7	5.6	5.6	5.5	5.4	5.2	5.0	5.1	5.0	4.9	5.1
Women, 20 years and over .....	5.9	5.8	5.7	5.5	5.4	5.3	5.4	5.3	5.4	5.2	5.2	5.2	5.1
Both sexes, 16 to 19 years .....	17.7	17.9	17.8	17.3	17.6	16.0	15.8	16.2	16.4	17.2	16.6	16.1	16.0
White .....	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.2	5.1	4.9	5.0
Black and other .....	12.5	12.6	12.4	11.8	12.1	11.5	11.4	11.3	10.9	10.8	11.0	10.9	10.9
Black .....	14.1	14.0	13.9	13.0	13.7	12.8	12.7	12.4	12.3	12.1	12.2	12.2	12.2
Hispanic origin .....	10.2	9.6	9.1	9.2	8.8	8.6	8.1	8.1	8.2	8.3	9.0	8.1	7.2
Married men, spouse present .....	4.2	4.1	4.1	4.1	4.0	4.0	3.8	3.7	3.7	3.7	3.5	3.4	3.6
Married women, spouse present .....	4.7	4.8	4.5	4.4	4.2	4.0	4.2	4.3	4.2	4.2	4.2	4.3	4.2
Women who maintain families .....	9.8	9.6	9.7	9.4	9.5	9.5	9.3	9.0	8.8	8.9	8.5	8.4	8.9
Full-time workers .....	6.3	6.2	6.1	5.9	5.9	5.9	5.7	5.6	5.5	5.6	5.5	5.4	5.4
Part-time workers .....	8.9	8.8	9.1	8.6	8.7	7.3	8.1	8.2	8.4	8.3	8.2	8.0	8.3
Unemployed 15 weeks and over <sup>1</sup> .....	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.4
Labor force time lost <sup>2</sup> .....	7.6	7.5	7.4	7.3	7.2	7.1	6.9	6.9	6.8	6.8	6.8	6.6	6.6
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	6.7	6.6	6.5	6.3	6.3	6.1	6.1	6.0	5.9	5.9	5.8	5.7	5.8
Goods-producing industries .....	8.3	8.0	8.0	7.7	7.7	7.1	7.1	6.9	7.0	7.0	6.5	6.4	7.1
Mining .....	14.1	13.0	9.5	11.2	13.0	9.5	7.9	8.6	7.4	8.3	7.0	8.0	7.7
Construction .....	12.5	11.7	12.4	12.0	12.1	11.7	10.8	11.3	11.9	11.2	10.6	10.6	12.2
Manufacturing .....	6.8	6.8	6.7	6.3	6.3	5.7	6.0	5.6	5.6	5.7	5.3	5.1	5.6
Durable goods .....	6.8	6.7	6.6	6.2	6.2	5.4	6.0	5.5	5.4	5.2	4.8	4.8	5.5
Nondurable goods .....	6.7	6.9	7.0	6.4	6.5	6.1	5.9	5.8	5.9	6.5	5.9	5.6	5.8
Service-producing industries .....	6.0	5.9	5.8	5.7	5.6	5.7	5.6	5.6	5.3	5.4	5.5	5.3	5.3
Transportation and public utilities .....	4.7	4.1	4.5	4.7	4.4	4.8	4.4	4.4	4.1	4.4	4.5	4.6	3.6
Wholesale and retail trade .....	7.4	7.2	7.3	7.1	7.0	7.1	6.8	7.0	6.4	6.5	6.8	6.2	6.1
Finance and service industries .....	5.2	5.2	4.9	4.8	4.9	4.9	5.1	4.7	4.8	4.7	4.8	4.8	4.9
Government workers .....	3.5	3.6	3.5	3.5	3.4	3.4	3.4	3.7	3.4	3.3	3.4	3.2	3.0
Agricultural wage and salary workers .....	11.4	11.0	10.8	9.5	9.4	9.3	10.9	10.6	8.6	10.6	11.1	10.9	11.5

<sup>1</sup> Unemployment as a percent of the civilian labor force.

<sup>2</sup> 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**

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

(Numbers in thousands)

Weeks of unemployment	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>DURATION</b>													
Less than 5 weeks .....	3,365	3,343	3,352	3,195	3,308	3,138	3,186	3,203	3,220	3,223	3,218	3,229	3,089
5 to 14 weeks .....	2,489	2,444	2,411	2,256	2,165	2,151	2,144	2,142	1,949	2,093	2,029	1,968	2,263
15 weeks and over .....	2,187	2,129	2,055	2,060	2,067	2,029	1,920	1,896	1,904	1,801	1,834	1,791	1,733
15 to 26 weeks .....	1,023	1,004	944	984	974	973	945	834	917	844	899	892	839
27 weeks and over .....	1,164	1,125	1,111	1,076	1,093	1,056	975	1,062	987	957	935	899	894
Average (mean) duration, in weeks .....	15.0	14.8	14.9	14.8	14.8	14.7	14.2	14.3	14.2	14.1	14.0	14.2	14.4
Median duration, in weeks .....	7.0	6.7	6.7	6.9	6.6	6.6	6.6	6.4	5.8	6.2	6.1	6.0	6.4
<b>PERCENT DISTRIBUTION</b>													
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 .....	41.8	42.2	42.9	42.5	43.9	42.9	43.9	44.2	45.5	45.3	45.4	46.2	43.6
5 to 14 weeks .....	31.0	30.9	30.8	30.0	28.7	29.4	29.6	29.6	27.6	29.4	28.7	28.2	31.9
15 weeks and over .....	27.2	26.9	26.3	27.4	27.4	27.7	26.5	26.2	26.9	25.3	25.9	25.6	24.5
15 to 26 weeks .....	12.7	12.7	12.1	13.1	12.9	13.3	13.0	11.5	13.0	11.9	12.7	12.8	11.8
27 weeks and over .....	14.5	14.2	14.2	14.3	14.5	14.4	13.4	14.7	14.0	13.4	13.2	12.9	12.6

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

(Numbers in thousands)

Reasons for unemployment	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	3,971	3,835	3,791	3,705	3,612	3,554	3,529	3,389	3,313	3,388	3,307	3,200	3,209
On layoff .....	1,087	1,001	1,003	963	924	919	916	874	820	944	878	856	888
Other job losers .....	2,884	2,834	2,788	2,742	2,688	2,635	2,613	2,515	2,493	2,444	2,429	2,344	2,320
Job leavers .....	909	1,033	996	955	931	959	989	992	981	960	926	946	1,082
Reentrants .....	2,059	2,038	2,078	1,965	1,995	1,980	1,930	1,969	1,908	1,845	1,974	1,945	1,917
New entrants .....	1,048	1,007	952	918	999	854	844	855	882	914	855	909	885
<b>PERCENT DISTRIBUTION</b>													
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 .....	49.7	48.5	48.5	49.1	47.9	48.4	48.4	47.0	46.8	47.7	46.8	45.7	45.2
On layoff .....	13.6	12.7	12.8	12.8	12.3	12.5	12.6	12.1	11.6	13.3	12.4	12.2	12.5
Other job losers .....	36.1	35.8	35.7	36.4	35.7	35.9	35.8	34.9	35.2	34.4	34.4	33.5	32.7
Job leavers .....	11.4	13.1	12.7	12.7	12.4	13.1	13.6	13.8	13.8	13.5	13.1	13.5	15.3
Reentrants .....	25.8	25.8	26.6	26.1	26.5	26.9	26.5	27.3	26.9	26.0	28.0	27.8	27.0
New entrants .....	13.1	12.7	12.2	12.2	13.3	11.6	11.6	11.9	12.5	12.9	12.1	13.0	12.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.8	2.8	2.7	2.7	2.6
On layoff .....	.8	.9	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.9
Other job losers .....	1.7	1.7	1.7	1.6	1.7	1.7	1.6	1.6	1.6	1.5	1.6	1.6	1.6
Job leavers .....	.9	.8	.8	.8	.8	.7	.7	.7	.7	.8	.7	.8	.7

**ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT**

**B-1. Employees on nonagricultural payrolls by major industry, 1936 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	Federal	State	Local	
Annual averages																
1936	29,068	25,400	11,933	946	1,160	9,827	17,135	2,973	(1)	(1)	1,373	3,312	(1)	(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	(1)	(1)	(1)	
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(1)	(1)	1,410	3,458	(1)	(1)	(1)	
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	1,762	4,664	1,447	3,502	905	(1)	(1)	
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	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	1,168	3,558	
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	1,250	3,819	
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 <sup>a</sup>	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	23,377	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	97,519	81,125	24,859	927	4,673	19,260	72,660	5,238	5,717	17,356	5,955	22,000	2,875	3,832	9,687	
1986	99,610	82,900	24,681	783	4,904	18,994	74,930	5,244	5,735	17,845	6,297	23,099	2,899	3,888	9,923	
1987 <sup>p</sup>	102,110	85,047	24,884	742	5,031	19,112	77,226	5,377	5,797	18,262	6,589	24,138	2,943	3,952	10,168	
Monthly data, seasonally adjusted																
<b>1987:</b>																
January	100,919	83,983	24,708	718	5,034	18,956	76,211	5,304	5,741	18,080	6,480	23,670	2,912	3,929	10,095	
February	101,150	84,215	24,743	719	5,038	18,986	76,407	5,315	5,757	18,140	6,501	23,759	2,916	3,927	10,092	
March	101,329	84,352	24,749	722	5,032	18,995	76,580	5,333	5,766	18,136	6,526	23,842	2,922	3,930	10,125	
April	101,598	84,560	24,759	729	5,019	19,011	76,839	5,348	5,772	18,197	6,558	23,926	2,933	3,943	10,162	
May	101,708	84,677	24,752	735	4,999	19,018	76,956	5,344	5,775	18,205	6,576	24,025	2,935	3,947	10,149	
June	101,818	84,787	24,761	738	5,008	19,015	77,057	5,350	5,781	18,226	6,586	24,083	2,935	3,932	10,164	
July	102,126	85,106	24,850	744	5,002	19,104	77,276	5,363	5,797	18,274	6,608	24,214	2,936	3,952	10,132	
August	102,275	85,229	24,866	751	5,006	19,129	77,389	5,377	5,807	18,256	6,624	24,279	2,940	3,964	10,142	
September	102,434	85,386	24,917	759	4,989	19,169	77,517	5,416	5,815	18,314	6,629	24,295	2,962	3,957	10,129	
October	102,983	85,795	25,064	764	5,053	19,247	77,919	5,436	5,831	18,408	6,650	24,406	2,965	3,973	10,250	
November	103,285	86,072	25,169	759	5,074	19,336	78,116	5,459	5,851	18,443	6,657	24,493	2,977	3,978	10,258	
December <sup>p</sup>	103,596	86,322	25,258	759	5,122	19,377	78,338	5,468	5,873	18,433	6,667	24,623	2,979	3,994	10,301	
<b>1988:</b>																
January <sup>p</sup>	103,703	86,496	25,219	745	5,072	19,402	78,484	5,476	5,892	18,587	6,671	24,651	2,981	3,971	10,255	

<sup>1</sup> Not available.

<sup>2</sup> Data include Alaska and Hawaii beginning in 1959. This inclusion resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1986) and all seasonally adjusted data (beginning January 1983) are subject to revision.

**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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Total ..</b>		101,289	99,511	104,134	104,357	102,265					
<b>Total private ..</b>		84,103	82,584	86,577	86,816	85,073	68,138	66,616	70,088	70,261	68,493
<b>Mining ..</b>		728	716	765	764	743	514	501	555	551	529
Metal mining ..	10	40.5	40.6	44.6	44.5		30.2	30.1	33.7	33.7	
Iron ores .....	101	7.4	7.7	9.3	9.2		5.5	5.6	7.1	7.0	
Copper ores ..	102	12.2	12.2	13.5	13.5		9.6	9.6	10.7	10.7	
Coal mining .....	11,12	167.4	164.1	163.0	163.2		137.1	133.6	133.7	132.9	
Bituminous coal and lignite mining ..	12	164.7	161.6	161.0	161.2		134.9	131.5	131.9	131.2	
Oil and gas extraction .....	13	414.8	412.0	444.1	446.7	434.0	267.0	263.0	299.1	300.8	
Crude petroleum, natural gas, and natural gas liquids ..	131,2	206.7	206.5	202.8	203.5		101.4	101.0	100.1	100.2	
Oil and gas field services ..	138	208.1	205.5	241.3	243.2		165.6	162.0	199.0	200.6	
Nonmetallic minerals, except fuels ..	14	104.8	99.5	113.7	109.4		79.4	74.3	88.0	83.4	
Crushed and broken stone ..	142	37.8	35.0	42.0	40.2		29.9	27.0	33.4	31.5	
Sand and gravel ..	144	30.6	29.0	33.9	31.8		-	-	-	-	
Chemical and fertilizer minerals ..	147	17.8	17.6	18.2	18.2		-	-	-	-	
<b>Construction ..</b>		4,861	4,620	5,206	5,045	4,656	3,794	3,554	4,083	3,925	3,549
General building contractors .....	15	1,271.9	1,220.2	1,313.0	1,286.4	1,210.6	936.6	883.5	964.1	938.9	
Residential building construction ..	152	645.0	624.8	686.0	671.3	-	461.5	439.6	488.8	476.1	
Operative builders .....	153	53.0	52.7	52.7	52.2		27.1	26.4	25.3	24.8	
Nonresidential building construction ..	154	573.9	542.7	574.3	562.9		448.0	417.5	450.0	438.0	
Heavy construction contractors .....	16	728.5	659.4	817.0	751.2		603.1	535.8	689.4	624.6	
Highway and street construction .....	161	245.2	210.9	313.4	267.7		200.1	167.3	263.3	217.8	
Heavy construction, except highway ..	162	483.3	448.5	503.6	483.5		403.0	368.5	426.1	406.8	
Special trade contractors .....	17	2,860.4	2,740.8	3,075.5	3,007.8		2,254.0	2,134.2	2,429.5	2,361.4	
Plumbing, heating, and air conditioning ..	171	642.3	631.1	676.0	674.7		475.5	463.4	501.1	499.3	
Painting, paper hanging, and decorating ..	172	159.6	153.0	172.1	165.5		132.3	125.8	144.4	136.8	
Electrical work ..	173	541.5	525.9	571.2	569.4		421.4	404.6	445.5	442.8	
Masonry, stonework, and plastering ..	174	470.6	449.1	499.5	488.1		400.6	378.4	425.4	414.7	
Carpentering and flooring ..	175	171.6	170.3	171.0	168.7		131.6	130.4	130.6	128.9	
Roofing and sheet metal work ..	176	212.9	199.4	225.8	216.0		171.5	158.4	182.0	170.9	
<b>Manufacturing ..</b>		18,974	18,803	19,403	19,384	19,253	12,908	12,753	13,264	13,244	13,121
<b>Durable goods ..</b>		11,185	11,087	11,401	11,412	11,347	7,402	7,318	7,601	7,606	7,544
Lumber and wood products .....	24	716.3	704.8	749.7	742.2	728.3	599.9	588.1	626.7	619.8	607.5
Logging camps and logging contractors ..	241	82.3	76.6	85.2	80.8	-	69.1	63.9	71.6	67.7	-
Sawmills and planing mills .....	242	196.3	194.1	205.0	204.7		173.3	171.0	180.9	180.5	
Sawmills and planing mills, general ..	2421	159.5	157.4	165.8	165.5		141.0	138.8	146.4	145.9	
Hardwood dimension and flooring ..	2426	33.8	33.8	36.2	36.3		29.7	29.6	31.8	31.9	
Millwork, plywood, and structural members ..	243	250.8	248.9	263.4	262.9		207.3	204.8	217.3	217.1	
Millwork ..	2431	94.7	94.8	101.7	101.6		76.4	76.2	82.0	82.0	
Wood kitchen cabinets ..	2434	68.8	68.2	71.5	71.7		55.5	54.6	57.6	57.9	
Hardwood veneer and plywood ..	2435	23.8	23.9	25.1	25.3		20.8	20.8	22.0	22.2	
Softwood veneer and plywood ..	2436	38.5	37.9	38.6	38.7		35.2	34.6	35.0	35.0	
Wood containers ..	244	39.1	39.5	40.1	40.1		33.0	33.4	34.0	33.8	
Wood buildings and mobile homes ..	245	69.5	67.9	74.6	72.7		52.3	50.8	56.5	54.8	
Mobile homes ..	2451	47.2	46.1	50.3	48.7		37.9	36.9	40.7	39.1	
Miscellaneous wood products ..	249	78.3	77.8	81.4	81.0		64.9	64.2	66.4	65.9	

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>a</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>a</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures .....	25	503.6	500.7	532.0	534.4	534.1	402.8	401.1	426.7	429.5	428.2
Household furniture .....	251	298.9	299.1	317.8	320.9	-	252.2	252.2	269.0	272.1	-
Wood household furniture .....	2511	133.6	133.6	139.7	141.4	-	116.7	116.9	122.1	123.6	-
Upholstered household furniture .....	2512	95.6	95.4	103.0	103.4	-	79.7	79.4	86.8	87.3	-
Metal household furniture .....	2514	27.1	27.6	29.1	30.1	-	22.2	22.7	24.0	24.8	-
Mattresses and bedspings .....	2515	29.3	29.5	31.3	31.8	-	22.2	22.2	23.8	24.4	-
Office furniture .....	252	67.0	66.2	69.3	69.5	-	51.2	50.7	52.2	52.5	-
Public building and related furniture .....	253	28.1	27.7	30.0	29.9	-	21.7	21.3	22.9	23.0	-
Partitions and fixtures .....	254	71.6	71.3	76.4	75.6	-	51.8	51.3	55.7	55.0	-
Miscellaneous furniture and fixtures .....	259	38.0	36.4	38.5	38.5	-	25.9	25.6	26.9	26.9	-
Stone, clay, and glass products .....	32	577.0	564.8	591.9	583.4	563.5	444.2	432.2	459.8	452.4	434.5
Flat glass .....	321	15.2	15.2	14.9	14.9	-	11.9	11.9	11.6	11.6	-
Glass and glassware, pressed or blown .....	322	89.0	88.5	87.3	86.1	-	75.8	75.4	75.0	73.9	-
Glass containers .....	3221	45.1	44.4	43.2	42.1	-	40.6	39.9	38.8	37.9	-
Pressed and blown glass, nec .....	3229	43.9	44.1	44.1	44.0	-	35.2	35.5	36.2	36.0	-
Products of purchased glass .....	323	50.6	50.0	52.4	52.2	-	35.6	34.9	37.7	37.7	-
Cement, hydraulic .....	324	22.2	21.4	21.3	21.3	-	17.3	16.4	16.2	16.2	-
Structural clay products .....	325	37.7	36.9	38.9	39.2	-	29.4	28.8	30.6	30.8	-
Pottery and related products .....	326	36.1	35.8	36.6	36.8	-	28.5	28.5	29.1	29.5	-
Concrete, gypsum, and plaster products .....	327	203.3	195.9	215.9	207.7	-	157.2	149.5	168.0	160.6	-
Concrete block and brick .....	3271	19.4	19.2	20.6	20.3	-	13.0	12.7	13.7	13.6	-
Concrete products, nec .....	3272	67.4	65.6	70.9	69.1	-	51.3	49.1	54.3	52.6	-
Ready-mixed concrete .....	3273	96.8	91.7	105.0	99.1	-	77.7	72.7	85.0	79.5	-
Misc. nonmetallic mineral products .....	329	110.4	109.3	111.5	112.2	-	78.7	77.7	81.3	81.8	-
Abrasive products .....	3291	20.9	20.9	20.6	20.6	-	14.0	13.9	14.0	14.1	-
Asbestos products .....	3292	9.0	9.0	9.4	9.5	-	6.9	6.9	7.2	7.2	-
Mineral wool .....	3296	25.9	25.1	24.3	24.5	-	-	-	-	-	-
Primary metal industries .....	33	729.3	726.6	765.6	768.5	766.7	543.9	540.6	581.7	583.8	582.9
Blast furnaces and basic steel products .....	331	257.8	254.4	282.5	283.7	283.4	192.2	188.3	215.7	216.9	217.0
Blast furnaces and steel mills .....	3312	192.5	189.3	214.7	215.5	-	144.0	140.6	165.0	165.8	-
Steel pipe and tubes .....	3317	22.5	22.4	24.0	24.1	-	16.2	16.2	18.0	18.1	-
Iron and steel foundries .....	332	128.2	128.2	134.4	135.6	-	100.9	100.5	106.8	107.7	-
Gray iron foundries .....	3321	80.6	80.3	83.7	84.1	-	65.6	65.0	68.2	68.5	-
Malleable iron foundries .....	3322	8.2	8.2	8.8	8.9	-	6.0	6.0	6.6	6.6	-
Steel foundries, nec .....	3325	26.0	26.1	27.6	28.1	-	19.2	19.2	20.9	21.3	-
Primary nonferrous metals .....	333	39.4	39.7	41.3	41.3	-	26.6	27.4	29.8	29.9	-
Primary aluminum .....	3334	21.7	22.1	23.1	23.0	-	14.4	15.0	16.9	16.9	-
Nonferrous rolling and drawing .....	335	178.6	177.3	177.4	177.5	-	126.4	125.5	127.5	127.4	-
Copper rolling and drawing .....	3351	22.7	22.3	23.1	23.4	-	17.7	17.4	17.9	18.2	-
Aluminum sheet, plate, and foil .....	3353	27.7	27.5	27.3	27.6	-	20.0	19.9	19.4	19.5	-
Nonferrous wire drawing and insulating .....	3357	76.5	75.5	75.4	74.9	-	53.5	52.7	54.1	53.6	-
Nonferrous foundries .....	336	84.9	85.7	87.5	87.5	-	68.2	68.8	70.4	70.1	-
Aluminum foundries .....	3361	51.8	52.8	53.3	53.4	-	42.3	43.1	43.6	43.5	-
Fabricated metal products .....	34	1,426.3	1,415.0	1,453.2	1,455.0	1,448.3	1,055.3	1,045.0	1,081.3	1,083.3	1,076.8
Metal cans and shipping containers .....	341	56.4	56.2	56.0	55.2	-	48.2	48.0	47.4	46.9	-
Metal cans .....	3411	45.4	45.4	44.9	44.3	-	39.6	39.6	38.5	38.1	-
Cutlery, hand tools, and hardware .....	342	136.5	134.2	135.5	135.9	-	100.3	98.6	100.4	101.1	-
Hand and edge tools, and hand saws and blades .....	3423,5	46.4	46.1	49.3	49.4	-	33.7	33.7	36.3	36.5	-
Hardware, nec .....	3429	77.7	76.6	75.3	75.7	-	58.3	57.3	56.8	57.3	-
Plumbing and heating, except electric .....	343	61.6	61.0	63.4	63.7	-	44.2	43.9	45.6	45.8	-
Plumbing fittings and brass goods .....	3432	24.2	24.4	25.0	25.1	-	17.5	17.8	18.3	18.3	-
Heating equipment, except electric .....	3433	26.8	25.9	27.1	27.1	-	18.6	17.8	18.6	18.7	-
Fabricated structural metal products .....	344	434.5	429.7	444.4	442.5	-	305.6	300.9	318.0	316.8	-
Fabricated structural metal .....	3441	77.7	76.8	78.3	78.1	-	54.8	54.2	56.1	56.1	-
Metal doors, sash, and trim .....	3442	91.1	89.3	98.0	96.5	-	67.6	65.8	72.6	71.2	-
Fabricated plate work (boiler shops) .....	3443	93.7	93.0	91.9	92.0	-	58.4	57.6	59.5	60.1	-
Sheet metal work .....	3444	109.8	109.1	112.8	112.6	-	81.8	81.0	85.4	85.2	-
Architectural metal work .....	3446	29.6	29.7	29.8	29.5	-	21.6	21.6	22.0	21.7	-

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Durable goods—Continued</b>											
Fabricated metal products—Continued											
Screw machine products, bolts, etc .....	345	93.6	93.3	96.4	96.8		71.5	71.3	74.1	74.4	
Screw machine products .....	3451	44.4	44.3	46.6	46.9		36.2	36.1	38.4	38.6	
Bolts, nuts, rivets, and washers .....	3452	49.2	49.0	49.8	49.9		35.3	35.2	35.7	35.8	
Metal forgings and stampings .....	346	241.4	240.3	238.8	239.1		193.5	192.4	191.2	191.3	
Iron and steel forgings .....	3462	30.7	31.0	30.1	30.3		23.6	23.9	23.1	23.3	
Automotive stampings .....	3465	103.6	102.3	99.7	99.9		88.5	87.2	85.3	85.6	
Metal stampings, nec .....	3469	96.2	96.4	98.4	98.2		73.5	73.4	75.1	74.7	
Metal services, nec .....	347	112.5	112.3	119.5	120.0		90.2	89.9	96.3	96.6	
Plating and polishing .....	3471	73.3	73.3	77.1	77.6		59.3	59.4	62.6	63.0	
Metal coating and allied services .....	3479	39.2	39.0	42.4	42.4		30.9	30.5	33.7	33.6	
Ordnance and accessories, nec .....	348	78.9	78.6	82.0	81.8		49.9	49.4	50.0	50.1	
Ammunition, except for small arms, nec .....	3483	46.5	46.1	46.9	46.6		28.9	28.3	25.6	25.5	
Misc. fabricated metal products .....	349	210.9	209.4	217.2	220.0		151.9	150.6	158.3	160.3	
Valves and pipe fittings .....	3494	76.8	76.5	78.0	79.9		50.9	50.5	52.9	54.2	
Misc. fabricated wire products .....	3496	51.2	50.8	52.7	53.4		38.6	38.2	39.8	40.4	
Machinery, except electrical .....	35	2,014.8	2,006.5	2,071.8	2,088.8	2,098.0	1,190.4	1,185.0	1,242.7	1,254.6	1,263.2
Engines and turbines .....	351	100.4	98.9	99.9	100.3	-	62.4	61.9	65.0	66.7	-
Turbines and turbine generator sets .....	3511	31.8	31.0	28.2	27.6		17.1	16.7	15.5	16.2	
Internal combustion engines, nec .....	3519	68.6	67.9	71.7	72.7		45.3	45.2	49.5	50.5	
Farm and garden machinery .....	352	87.0	87.6	106.7	109.9		54.1	55.1	72.6	75.9	
Farm machinery and equipment .....	3523	60.4	59.9	77.9	79.3		33.8	33.7	50.7	52.3	
Construction and related machinery .....	353	212.9	211.1	225.1	227.2		125.5	123.6	136.2	137.6	
Construction machinery .....	3531	75.5	75.1	81.6	82.1		44.2	43.3	49.5	50.0	
Mining machinery .....	3532	18.6	18.6	20.2	20.4		11.1	10.9	12.4	12.5	
Oil field machinery .....	3533	40.8	40.3	43.7	43.7		23.3	23.1	26.6	26.5	
Conveyors and conveying equipment .....	3535	29.7	29.5	30.2	30.7		15.5	15.2	16.0	16.4	
Industrial trucks and tractors .....	3537	25.5	25.0	25.9	26.4		18.0	17.8	18.1	18.4	
Metalworking machinery .....	354	301.4	300.3	298.7	300.5		215.2	214.7	214.5	216.0	
Machine tools, metal cutting types .....	3541	47.8	47.2	45.0	45.2		30.1	29.9	28.6	28.8	
Machine tools, metal forming types .....	3542	19.2	19.1	19.0	19.1		11.8	11.9	12.2	12.3	
Special dies, tools, jigs, and fixtures .....	3544	142.5	142.2	142.9	143.6		110.0	109.6	109.1	109.7	
Machine tool accessories .....	3545	53.0	53.2	54.7	55.2		36.8	36.8	39.1	39.6	
Power driven hand tools .....	3546	21.3	21.3	20.9	21.0		15.7	15.7	15.6	15.7	
Special industry machinery .....	355	156.5	157.0	163.0	164.1		92.8	92.7	97.6	98.5	
Food products machinery .....	3551	37.2	37.3	38.7	39.0		22.6	22.6	23.4	23.6	
Textile machinery .....	3552	19.2	19.3	21.1	21.2		12.9	12.8	14.2	14.4	
Printing trades machinery .....	3555	26.8	26.9	27.3	27.3		15.6	15.8	16.2	16.2	
General industrial machinery .....	356	253.1	252.8	256.2	257.8		161.2	161.0	164.7	166.4	
Pumps and pumping equipment .....	3561	43.0	42.9	45.0	45.5		24.7	24.7	25.7	26.0	
Ball and roller bearings .....	3562	43.5	43.5	43.7	44.0		33.0	33.0	33.9	34.1	
Air and gas compressors .....	3563	21.7	21.6	21.4	21.4		12.2	12.0	12.4	12.5	
Blowers and fans .....	3564	30.9	31.0	31.3	31.3		19.8	19.9	20.3	20.4	
Speed changers, drives, and gears .....	3566	19.8	19.7	20.2	20.3		13.4	13.4	13.7	13.9	
Power transmission equipment, nec .....	3568	16.3	16.5	17.0	17.2		10.8	10.8	11.3	11.5	
Office and computing machines .....	357	461.5	457.9	464.9	470.1		152.7	149.5	152.9	153.0	
Electronic computing equipment .....	3573	405.4	401.7	408.4	413.5		128.6	125.4	128.3	128.4	
Refrigeration and service machinery .....	358	171.4	170.8	177.9	177.8		121.1	121.5	128.0	127.6	
Refrigeration and heating equipment .....	3585	122.4	122.6	128.2	127.9		88.7	89.4	94.8	94.3	
Misc. machinery, except electrical .....	359	270.6	270.1	279.4	281.1		205.4	205.0	211.2	212.9	
Carburetors, pistons, rings, and valves .....	3592	34.8	34.6	35.2	35.4		28.3	28.4	28.1	28.6	
Machinery, except electrical, nec .....	3599	235.8	235.5	244.2	245.7		177.1	176.6	183.1	184.3	
Electrical and electronic equipment .....	36	2,121.9	2,108.9	2,122.7	2,132.5	2,133.4	1,236.1	1,228.6	1,247.7	1,254.9	1,255.9
Electric distributing equipment .....	361	106.8	106.0	106.7	107.5	-	77.7	77.4	77.5	77.8	-
Transformers .....	3612	51.0	50.4	51.1	51.3		38.0	37.5	37.4	37.4	
Switchgear and switchboard apparatus .....	3613	55.8	55.6	55.6	56.2		39.7	39.9	40.1	40.4	
Electrical industrial apparatus .....	362	186.5	187.1	186.0	186.6		128.5	128.8	128.2	128.9	
Motors and generators .....	3621	90.5	91.5	90.9	91.1		69.2	69.7	69.7	70.1	
Industrial controls .....	3622	60.5	60.0	58.7	59.0		35.2	35.0	33.7	34.2	
Household appliances .....	363	137.5	137.3	139.3	140.6		108.0	108.2	111.1	112.6	
Household refrigerators and freezers .....	3632	26.8	28.6	28.7	29.8		21.5	23.3	23.4	24.4	
Household laundry equipment .....	3633	23.0	23.4	22.3	22.2		17.6	18.0	17.7	17.8	
Electric housewares and fans .....	3634	36.9	34.7	37.7	37.0		28.3	26.4	29.1	28.6	

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Electrical and electronic equipment—Continued</b>											
Electric lighting and wiring equipment .....	364	194.8	192.6	193.7	194.7		140.3	138.7	142.1	143.5	
Electric lamps .....	3641	27.3	27.2	27.0	27.1		23.3	23.3	23.1	23.2	
Current-carrying wiring devices .....	3643	75.1	74.6	73.7	74.3		48.2	48.2	49.2	50.4	
Noncurrent-carrying wiring devices ..	3644	16.9	16.6	16.6	16.9		12.1	11.9	11.9	12.3	
Residential lighting fixtures .....	3645	28.7	27.5	28.2	28.2		22.0	20.8	21.5	21.3	
Radio and TV receiving equipment ..	365	82.8	80.4	81.0	80.1		55.7	54.1	56.0	54.8	
Radio and TV receiving sets .....	3651	63.7	62.0	62.4	61.8		42.3	41.1	42.4	41.3	
Communication equipment .....	366	628.7	625.9	610.6	611.5		266.5	264.2	254.4	255.4	
Telephone and telegraph apparatus ..	3661	124.2	122.1	113.6	113.6		72.2	71.5	64.9	65.3	
Radio and TV communication equipment ..	3662	504.5	503.8	497.0	497.9		194.3	192.7	189.5	190.1	
Electronic components and accessories ..	367	630.0	626.4	652.1	657.7		352.0	350.7	369.3	372.6	
Electronic tubes .....	3671-3	39.4	39.2	37.8	38.2		24.4	24.3	24.2	24.6	
Semiconductors and related devices ..	3674	264.8	264.4	273.1	275.5		102.3	102.7	106.8	107.4	
Electronic components, nec .....	3679	255.5	252.8	267.8	270.1		172.6	170.9	183.0	184.7	
Misc. electrical equipment and supplies ..	369	154.8	153.2	153.3	153.8		107.4	106.5	109.1	109.3	
Storage batteries .....	3691	30.4	29.6	32.6	32.6		23.6	22.9	25.5	25.4	
Engine electrical equipment ..	3694	66.9	66.6	64.9	65.6		50.7	50.8	50.2	50.5	
Transportation equipment .....	37	2,034.0	2,010.3	2,027.6	2,031.8	2,005.9	1,283.8	1,265.2	1,268.9	1,271.9	1,243.4
Motor vehicles and equipment .....	371	866.0	843.7	841.7	844.1	816.9	671.1	653.7	657.4	660.2	631.0
Motor vehicles and car bodies ..	3711	396.9	377.1	360.2	361.8	-	298.2	282.4	272.7	274.4	-
Truck and bus bodies .....	3713	39.9	39.9	44.7	44.6		31.2	31.2	35.0	34.8	
Motor vehicle parts and accessories ..	3714	386.5	384.2	388.8	390.3		308.8	307.5	312.3	314.0	
Truck trailers .....	3715	27.7	27.2	30.5	30.7		21.2	20.7	23.7	24.0	
Aircraft and parts .....	372	691.3	691.1	697.3	697.8		345.3	345.3	346.3	344.6	
Aircraft .....	3721	349.3	349.4	367.3	368.8		156.2	156.3	165.3	164.8	
Aircraft engines and engine parts ..	3724	156.7	156.7	155.2	155.0		80.8	80.9	78.7	78.7	
Aircraft equipment, nec .....	3728	185.3	185.0	174.8	174.0		108.3	108.1	102.3	101.1	
Ship and boat building and repairing ..	373	184.6	184.1	188.7	190.6		139.4	138.2	141.6	143.7	
Ship building and repairing ..	3731	129.5	128.6	127.7	129.0		94.8	93.4	92.1	93.8	
Boat building and repairing ..	3732	55.1	55.5	61.0	61.6		44.6	44.8	49.5	49.9	
Railroad equipment .....	374	25.6	24.1	22.9	23.2		17.6	16.1	16.0	16.4	
Guided missiles, space vehicles, and parts ..	376	205.9	206.3	214.9	215.3		69.5	70.4	66.1	66.3	
Guided missiles and space vehicles ..	3761	155.6	155.9	162.1	162.1		49.8	50.3	48.7	48.7	
Miscellaneous transportation equipment ..	379	49.7	49.8	50.2	49.7		33.5	33.8	33.3	33.1	
Travel trailers and campers .....	3792	19.4	19.2	20.3	19.9		15.0	15.0	15.4	15.2	
Instruments and related products .....	38	698.9	695.6	701.3	701.1	698.7	380.1	376.1	383.5	383.9	384.3
Engineering and scientific instruments ..	381	83.0	82.8	83.8	84.3		37.2	36.8	38.5	38.8	
Measuring and controlling devices ..	382	241.7	240.5	237.8	236.8		134.9	133.4	132.4	132.1	
Environmental controls .....	3822	41.8	41.0	41.2	41.1		26.5	25.3	26.3	26.4	
Process control instruments ..	3823	53.5	53.0	52.1	51.9		27.4	27.1	27.3	27.3	
Instruments to measure electricity ..	3825	101.6	101.4	99.4	99.1		51.2	50.9	48.4	48.2	
Optical instruments and lenses .....	383	32.5	32.1	32.3	32.4		15.7	15.6	15.7	15.7	
Medical instruments and supplies .....	384	181.3	180.5	184.8	185.3		109.4	108.2	111.8	112.3	
Surgical and medical instruments ..	3841	87.1	86.5	87.4	86.9		50.1	49.4	50.4	50.2	
Surgical appliances and supplies ..	3842	79.9	79.8	82.8	83.6		51.3	50.8	53.1	53.7	
Ophthalmic goods .....	385	39.4	39.9	43.3	43.5		26.6	26.8	29.9	30.0	
Photographic equipment and supplies ..	386	110.0	108.8	107.7	107.4		48.4	47.5	46.5	46.5	
Watches, clocks, and watchcases ..	387	11.0	11.0	11.6	11.4		7.9	7.8	8.7	8.5	
Miscellaneous manufacturing .....	39	362.9	353.9	384.8	374.6	369.6	265.2	255.7	281.9	272.0	267.0
Jewelry, silverware, and plated ware ..	391	55.1	52.7	56.8	55.4		38.5	36.0	39.4	38.3	
Jewelry, precious metal ..	3911	38.7	36.7	40.1	38.9		26.8	24.7	27.6	26.6	
Musical instruments .....	393	12.5	12.4	13.3	13.1		10.3	10.2	11.2	11.0	
Toys and sporting goods .....	394	92.9	91.0	107.3	103.3		69.4	67.3	81.1	77.3	
Dolls, games, toys, and children's vehicles ..	3942.4	42.0	40.6	52.2	47.8		30.2	28.9	38.8	34.5	
Sporting and athletic goods, nec ..	3949	50.9	50.4	55.1	55.5		39.2	38.4	42.3	42.8	
Pens, pencils, office, and art supplies ..	395	32.7	32.4	33.4	33.3		22.3	22.5	23.2	23.2	
Costume jewelry and notions .....	396	42.2	39.4	45.3	42.4		33.2	30.4	35.1	32.1	
Costume jewelry .....	3961	23.6	23.1	25.7	24.0		18.3	17.8	20.1	18.4	
Miscellaneous manufactures .....	399	127.5	126.0	128.7	127.1		91.5	89.3	91.9	90.1	
Signs and advertising displays ..	3993	56.1	55.9	56.1	56.0		39.4	38.8	39.0	38.8	

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Nondurable goods</b> .....		7,789	7,716	8,002	7,972	7,906	5,506	5,435	5,663	5,638	5,577
Food and kindred products .....	20	1,621.4	1,578.4	1,859.4	1,635.6	1,605.9	1,140.4	1,099.3	1,174.3	1,151.6	1,124.5
Meat products .....	201	380.2	372.5	395.2	394.3	-	322.8	314.9	336.8	336.2	-
Meat packing plants .....	2011	139.7	136.2	141.8	142.2	-	116.7	113.5	119.7	120.0	-
Sausages and other prepared meats .....	2013	77.0	75.1	77.3	77.2	-	57.0	55.3	57.3	57.1	-
Poultry dressing plants .....	2016	145.3	142.7	156.7	155.5	-	132.3	129.0	142.2	141.5	-
Dairy products .....	202	163.2	160.9	185.9	166.2	-	97.9	97.2	99.6	99.7	-
Cheese, natural and processed .....	2022	40.2	38.0	40.6	41.0	-	30.7	29.8	31.2	31.4	-
Fluid milk .....	2026	84.6	84.7	85.8	85.9	-	42.0	42.2	42.8	42.8	-
Preserved fruits and vegetables .....	203	221.2	207.2	235.5	218.9	-	179.5	165.3	191.6	175.2	-
Canned specialties .....	2032	24.9	24.3	25.8	25.4	-	17.9	17.5	18.1	17.6	-
Canned fruits and vegetables .....	2033	68.8	64.4	76.9	68.4	-	54.9	50.6	62.5	54.1	-
Frozen fruits and vegetables .....	2037	44.7	36.7	43.4	37.5	-	38.6	31.4	38.0	32.3	-
Grain mill products .....	204	121.5	119.7	123.1	123.9	-	83.6	82.1	85.0	85.7	-
Flour and other grain mill products .....	2041	22.1	22.1	23.3	23.3	-	15.0	15.0	16.1	16.0	-
Prepared feeds, nec .....	2048	42.3	41.9	42.2	42.7	-	26.7	26.4	26.7	27.2	-
Bakery products .....	205	212.1	208.0	214.3	214.1	-	129.8	125.3	131.3	131.3	-
Bread, cake, and related products .....	2051	166.2	164.3	167.2	166.5	-	92.2	89.8	93.9	93.4	-
Cookies and crackers .....	2052	45.9	43.7	47.1	47.6	-	37.6	35.5	37.4	37.9	-
Sugar and confectionery products .....	206	107.3	100.3	111.8	108.4	-	85.7	78.7	89.6	86.6	-
Cane and beet sugar .....	2061-3	27.2	26.3	31.7	28.9	-	21.9	20.8	25.2	22.9	-
Confectionery products .....	2065	60.4	54.4	60.2	59.4	-	50.5	44.6	50.8	50.0	-
Fats and oils .....	207	34.1	32.6	33.5	33.3	-	24.6	23.9	25.0	24.9	-
Beverages .....	208	211.7	208.9	207.4	207.1	-	90.2	89.0	86.6	86.5	-
Malt beverages .....	2082	41.0	40.0	39.1	39.5	-	25.9	25.0	24.8	25.2	-
Bottled and canned soft drinks .....	2086	124.8	124.8	123.4	123.0	-	39.7	40.5	39.5	39.5	-
Misc. food and kindred products .....	209	170.1	166.3	172.7	169.4	-	126.3	122.9	128.8	125.5	-
Tobacco manufactures .....	21	60.3	59.7	57.7	58.1	57.4	46.9	45.9	43.1	43.7	42.4
Cigarettes .....	211	41.7	41.6	39.3	39.8	-	31.7	31.4	28.6	29.1	-
Textile mill products .....	22	716.4	715.4	741.1	738.5	731.9	621.9	620.7	643.5	641.3	633.9
Weaving mills, cotton .....	221	102.8	104.3	110.9	110.8	-	92.7	94.0	100.3	100.1	-
Weaving mills, synthetics .....	222	84.6	85.4	89.8	90.5	-	75.6	76.1	80.1	80.8	-
Weaving and finishing mills, wool .....	223	17.6	17.7	18.7	18.9	-	14.6	14.6	15.3	15.5	-
Narrow fabric mills .....	224	22.6	22.3	23.5	23.6	-	19.6	19.3	20.4	20.4	-
Knitting mills .....	225	208.7	206.5	210.2	207.6	-	182.3	180.8	184.1	182.3	-
Women's hosiery, except socks .....	2251	35.3	35.3	33.9	33.9	-	31.5	31.5	30.3	30.3	-
Hosiery, nec .....	2252	36.4	36.2	36.7	36.6	-	32.6	32.5	32.8	32.8	-
Knit outerwear mills .....	2253	72.2	70.7	72.7	70.9	-	63.7	62.7	64.9	63.0	-
Knit underwear mills .....	2254	23.5	23.0	23.5	23.1	-	19.5	19.2	19.6	19.7	-
Circular knit fabric mills .....	2257	23.9	24.1	25.8	25.7	-	20.7	20.8	22.2	22.2	-
Textile finishing, except wool .....	226	60.4	60.3	61.1	60.6	-	50.5	50.6	51.4	50.9	-
Finishing plants, cotton .....	2261	23.7	23.6	24.2	24.0	-	20.0	20.0	20.5	20.4	-
Finishing plants, synthetics .....	2262	22.7	22.6	22.4	22.3	-	18.4	18.4	18.3	18.2	-
Floor covering mills .....	227	57.1	56.5	60.6	60.3	-	47.1	46.0	49.1	48.5	-
Yarn and thread mills .....	228	107.2	107.8	110.2	109.9	-	96.4	96.5	98.7	98.5	-
Yarn mills, except wool .....	2281	77.6	78.0	81.2	81.0	-	70.4	70.7	73.7	73.4	-
Throwing and winding mills .....	2282	16.4	16.5	15.6	15.6	-	14.8	14.7	13.7	13.8	-
Miscellaneous textile goods .....	229	55.4	54.6	56.1	56.3	-	43.1	42.8	44.1	44.3	-
Apparel and other textile products .....	23	1,108.1	1,096.5	1,133.9	1,120.3	1,104.8	933.8	920.3	953.8	942.1	927.9
Men's and boys' suits and coats .....	231	59.5	58.9	57.4	57.4	-	51.1	50.7	49.5	49.6	-
Men's and boys' furnishings .....	232	307.5	305.9	322.2	321.5	-	265.9	264.5	277.7	277.3	-
Men's and boys' shirts and nightwear .....	2321	85.1	85.0	86.7	86.6	-	73.1	72.8	73.9	73.7	-
Men's and boys' separate trousers .....	2327	55.4	55.1	55.6	55.8	-	48.6	48.5	48.6	48.8	-
Men's and boys' work clothing .....	2328	91.9	91.4	99.5	98.5	-	80.5	80.1	87.0	86.2	-
Women's and misses' outerwear .....	233	354.6	350.0	363.7	354.0	-	297.1	289.9	303.9	295.0	-
Women's and misses' blouses and waists .....	2331	49.3	49.5	49.2	48.7	-	41.1	41.1	41.0	40.6	-
Women's and misses' dresses .....	2335	84.7	82.3	82.7	81.1	-	71.7	68.3	68.4	66.8	-
Women's and misses' suits and coats .....	2337	42.0	39.5	46.0	42.1	-	34.4	31.9	37.4	33.8	-
Women's and misses' outerwear, nec .....	2339	178.6	178.7	185.8	182.1	-	149.9	148.6	157.1	153.8	-

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Nondurable goods—Continued</b>											
Apparel and other textile products—Continued											
Women's and children's undergarments .....	234	74.6	74.4	73.1	72.4		61.8	61.8	60.1	59.5	
Women's and children's underwear .....	2341	60.5	60.4	59.7	58.9		51.5	51.6	51.0	50.4	
Brassieres and allied garments .....	2342	14.1	14.0	13.4	13.5		10.3	10.2	9.1	9.1	
Children's outerwear .....	236	60.9	60.0	58.2	58.4		51.5	50.6	48.6	48.9	
Children's dresses and blouses .....	2361	25.8	25.5	24.1	24.3		22.6	22.3	21.2	21.3	
Misc. apparel and accessories .....	238	41.5	40.1	41.9	41.1		34.4	33.4	34.7	34.3	
Misc. fabricated textile products .....	239	190.6	188.6	199.0	197.1		157.1	154.7	165.0	163.0	
Curtains and draperies .....	2391	26.7	26.5	27.6	27.5		21.6	21.3	22.6	22.2	
House furnishings, nec .....	2392	51.8	49.7	56.3	55.6		44.1	42.0	48.4	47.7	
Automotive and apparel trimmings .....	2396	40.4	40.6	40.8	40.3		34.0	34.2	34.2	33.8	
Paper and allied products .....	26	679.7	674.0	681.1	681.3	678.8	517.2	511.4	517.4	518.0	517.1
Paper and pulp mills .....	261,2,6	196.2	194.5	192.7	193.6	-	149.9	148.3	146.0	146.9	
Paper mills, except building paper .....	262	171.7	170.5	168.7	169.5		130.5	129.4	127.0	127.8	
Paperboard mills .....	263	53.4	53.0	52.4	52.4		40.5	40.3	39.6	39.7	
Misc. converted paper products .....	264	231.2	229.4	234.8	233.7		171.9	169.8	174.3	173.5	
Paper coating and glazing .....	2641	58.2	58.1	58.7	58.8		37.2	36.4	36.8	36.5	
Envelopes .....	2642	26.8	27.0	26.9	27.2		21.1	21.3	21.0	21.3	
Bags, except textile bags .....	2643	52.6	52.3	53.8	54.1		41.7	41.5	42.6	43.1	
Paperboard containers and boxes .....	265	198.9	197.1	201.2	201.6		154.9	153.0	157.5	157.9	
Folding paperboard boxes .....	2651	42.6	42.4	43.6	44.0		33.9	33.5	34.7	35.0	
Corrugated and solid fiber boxes .....	2653	106.1	104.9	105.6	105.7		80.4	79.7	80.3	80.4	
Sanitary food containers .....	2654	22.3	22.5	23.6	23.7		19.1	19.2	20.3	20.4	
Printing and publishing ..	27	1,481.6	1,477.0	1,528.1	1,532.6	1,529.0	836.8	830.6	856.6	861.8	856.1
Newspapers ..	271	462.5	457.6	469.8	470.2	-	173.3	170.3	174.1	175.3	
Periodicals ..	272	117.2	117.6	125.5	126.2		43.7	43.4	46.1	46.1	
Books .....	273	111.0	112.6	111.6	113.5		60.9	61.7	58.0	59.9	
Book publishing ..	2731	82.0	83.7	82.6	83.8		37.9	38.7	35.4	36.6	
Book printing .....	2732	29.0	28.9	29.0	29.7		23.0	23.0	22.6	23.3	
Miscellaneous publishing ..	274	74.7	75.1	80.0	80.4		40.4	40.5	41.4	41.8	
Commercial printing .....	275	516.7	517.3	541.5	542.0		375.4	374.3	393.6	394.2	
Commercial printing, letterpress .....	2751	164.7	163.7	173.2	172.7		120.4	118.9	123.4	122.9	
Commercial printing, lithographic .....	2752	324.9	325.9	339.5	340.5		233.6	233.5	247.2	248.2	
Manifold business forms .....	276	49.6	49.4	49.3	49.4		34.8	34.8	34.3	34.5	
Blankbooks and bookbinding ..	278	74.8	72.5	74.2	74.9		60.6	58.1	59.1	59.7	
Printing trade services ..	279	52.6	52.6	54.4	54.4		39.6	39.6	40.4	40.6	
Chemicals and allied products .....	28	1,014.5	1,011.5	1,039.3	1,043.9	1,042.6	563.9	563.6	581.5	586.6	585.0
Industrial inorganic chemicals .....	281	134.5	133.0	136.3	136.1	-	68.6	68.0	67.3	67.0	-
Industrial inorganic chemicals, nec .....	2819	89.6	88.6	91.4	91.1		49.5	49.3	48.1	48.0	
Plastics materials and synthetics .....	282	166.0	165.7	167.7	168.1		111.1	111.0	109.9	110.3	
Plastics materials and resins ..	2821	75.1	75.1	77.3	77.8		44.8	44.9	45.5	45.7	
Organic fibers, noncellulosic .....	2824	61.7	61.3	60.6	60.4		44.5	44.3	42.1	42.2	
Drugs .....	283	207.4	207.8	214.9	216.7		95.1	96.1	98.4	100.2	
Pharmaceutical preparations .....	2834	165.5	166.0	171.4	173.1		75.0	75.8	77.3	79.0	
Soap, cleaners, and toilet goods ..	284	146.6	146.9	156.3	157.3		92.5	92.3	99.4	100.3	
Soap and other detergents .....	2841	42.2	41.6	42.9	43.3		26.8	26.2	27.0	27.2	
Polishing, sanitation, and finishing preparations ..	2842,3	40.1	39.8	41.3	41.4		21.5	21.2	22.7	23.0	
Toilet preparations .....	2844	64.3	65.5	72.1	72.6		44.2	44.9	49.7	50.1	
Paints and allied products .....	285	62.2	61.8	62.6	62.2		30.0	30.1	30.5	30.2	
Industrial organic chemicals .....	286	152.5	151.5	153.4	153.7		82.2	81.7	88.3	88.8	
Cyclic crudes and intermediates .....	2865	29.5	28.9	30.0	30.0		19.6	19.3	19.6	19.6	
Gum, wood, and industrial organic chemicals, nec ..	2861,9	123.0	122.6	123.4	123.7		62.6	62.4	68.7	69.2	
Agricultural chemicals .....	287	53.3	53.4	53.1	54.8		32.7	33.0	33.5	35.3	
Miscellaneous chemical products ..	289	92.0	91.4	95.0	95.0		51.7	51.4	54.2	54.5	
Petroleum and coal products ..	29	160.5	160.6	165.9	164.2	162.0	102.1	102.6	108.5	107.5	106.4
Petroleum refining .....	291	124.2	124.9	126.1	126.2	-	76.8	77.9	80.7	81.4	-
Paving and roofing materials ..	295	25.1	24.5	28.2	26.3		19.0	18.3	21.3	19.6	

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Rubber and misc. plastics products .....	30	798.3	799.0	840.1	844.0	842.6	621.0	620.0	653.7	657.6	657.7
Tires and inner tubes .....	301	87.8	87.1	85.9	86.1	-	64.1	63.5	60.7	61.2	-
Rubber and plastics footwear .....	302	10.5	10.4	11.2	11.3	-	8.8	8.7	9.2	9.3	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	21.8	21.8	22.3	22.4	-	15.6	15.6	16.3	16.4	-
Fabricated rubber products, nec .....	306	102.9	102.9	106.4	106.8	-	79.0	78.9	82.2	82.6	-
Miscellaneous plastics products .....	307	575.3	576.8	614.3	617.4	-	453.5	453.3	485.3	488.1	-
Leather and leather products .....	31	148.6	145.5	155.3	153.3	151.4	122.2	121.0	130.1	127.9	126.0
Leather tanning and finishing .....	311	13.8	13.6	13.4	13.4	-	11.5	11.3	11.1	11.1	-
Footwear, except rubber .....	314	86.4	84.7	90.8	91.4	-	72.6	72.4	78.2	78.6	-
Men's footwear, except athletic .....	3143	38.3	37.2	40.9	41.5	-	30.6	29.7	33.5	33.9	-
Women's footwear, except athletic .....	3144	31.3	31.4	31.5	31.9	-	27.5	27.6	27.9	28.3	-
Luggage .....	316	10.9	10.5	12.1	12.3	-	7.7	7.5	8.8	9.0	-
Handbags and personal leather goods .....	317	19.1	18.5	19.1	18.1	-	15.5	15.0	15.6	14.4	-
<b>Transportation and public utilities .....</b>		<b>5,320</b>	<b>5,245</b>	<b>5,489</b>	<b>5,505</b>	<b>5,417</b>	<b>4,416</b>	<b>4,337</b>	<b>4,559</b>	<b>4,565</b>	<b>4,469</b>
Transportation .....		3,114	3,040	3,250	3,266	3,180	-	-	-	-	-
Railroad transportation .....	40	314.4	303.8	300.8	294.8	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	278.3	268.5	263.8	257.2	-	-	-	-	-	-
Local and interurban passenger transit .....	41	288.4	287.7	294.5	294.5	-	267.8	267.0	272.5	272.8	-
Local and suburban transportation .....	411	99.4	98.8	101.3	101.6	-	91.3	90.8	92.7	93.0	-
Taxicabs .....	412	35.8	35.9	34.3	34.5	-	-	-	-	-	-
Intercity highway transportation .....	413	31.2	30.6	32.2	31.9	-	28.4	27.6	29.1	28.9	-
School buses .....	415	99.1	100.6	100.8	100.9	-	-	-	-	-	-
Trucking and warehousing .....	42	1,436.4	1,383.8	1,538.5	1,562.0	-	1,255.2	1,200.8	1,343.6	1,367.3	-
Trucking and trucking terminals .....	421,3	1,330.8	1,280.9	1,420.0	1,447.1	-	1,166.1	1,114.4	1,243.1	1,269.9	-
Public warehousing .....	422	105.6	102.9	118.5	114.9	-	89.1	86.4	100.5	97.4	-
Water transportation .....	44	171.2	164.5	176.7	174.3	-	-	-	-	-	-
Local water transportation .....	445	25.8	24.2	25.8	25.8	-	-	-	-	-	-
Water transportation services .....	446	93.9	91.8	96.5	93.4	-	-	-	-	-	-
Transportation by air .....	45	598.0	592.8	616.3	614.5	-	-	-	-	-	-
Air transportation .....	451,2	529.7	524.7	544.2	541.5	-	-	-	-	-	-
Air transportation services .....	458	68.3	68.1	72.1	73.0	-	-	-	-	-	-
Pipe lines, except natural gas .....	46	17.6	17.6	17.9	18.0	-	12.9	12.8	13.0	13.1	-
Transportation services .....	47	287.9	289.9	304.9	308.1	-	-	-	-	-	-
Freight forwarding .....	471	67.7	68.0	74.2	74.5	-	-	-	-	-	-
Communication and public utilities .....		2,206	2,205	2,239	2,239	2,237	-	-	-	-	-
Communication .....	48	1,280.9	1,282.0	1,309.4	1,309.4	-	980.3	975.1	995.0	993.6	-
Telephone communication .....	481	882.0	886.0	896.4	895.3	-	659.1	656.3	664.1	662.0	-
Radio and television broadcasting .....	483	238.2	236.2	239.5	239.3	-	195.3	193.8	196.0	195.9	-
Radio broadcasting .....	4832	113.0	113.5	112.4	112.6	-	-	-	-	-	-
Television broadcasting .....	4833	125.2	122.7	127.1	126.7	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	925.3	922.6	929.1	929.2	-	734.8	731.3	733.6	733.2	-
Electric services .....	491	453.4	451.8	452.4	452.8	-	348.0	346.6	343.9	344.2	-
Gas production and distribution .....	492	166.7	165.6	165.8	166.1	-	132.1	131.1	131.0	131.3	-
Combination utility services .....	493	205.4	204.3	200.5	200.5	-	169.1	168.1	164.9	164.5	-
Sanitary services .....	495	72.8	73.7	82.0	81.3	-	63.8	63.8	71.4	70.7	-
<b>Wholesale trade .....</b>		<b>5,733</b>	<b>5,700</b>	<b>5,868</b>	<b>5,880</b>	<b>5,851</b>	<b>4,593</b>	<b>4,559</b>	<b>4,692</b>	<b>4,696</b>	<b>4,665</b>
Durable goods .....	50	3,384	3,368	3,459	3,475	3,470	2,687	2,668	2,731	2,741	-
Motor vehicles and automotive equipment .....	501	431.3	432.3	434.8	435.5	-	346.3	346.3	348.6	349.3	-
Automobiles and other motor vehicles .....	5012	111.1	111.4	113.1	113.5	-	-	-	-	-	-
Automotive parts and supplies .....	5013	288.6	290.3	290.3	290.7	-	-	-	-	-	-

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Wholesale trade—Continued</b>											
Durable goods—Continued											
Furniture and home furnishings ..	502	135.0	133.9	142.9	142.3		108.6	107.6	116.0	115.6	
Furniture .....	5021	59.0	59.3	61.1	61.8		-	-	-	-	
Home furnishings .....	5023	76.0	74.6	81.8	80.5		-	-	-	-	
Lumber and construction materials ..	503	225.8	223.8	229.5	228.0		186.0	183.6	188.6	187.4	
Lumber, plywood, and millwork ..	5031	100.6	101.0	103.9	103.2		-	-	-	-	
Construction materials, nec .....	5039	125.2	122.8	125.6	124.8		-	-	-	-	
Sporting goods, toys, and hobby goods ..	504	30.6	78.0	82.8	85.4		66.4	64.2	67.8	70.5	
Metals and minerals, except petroleum ..	505	130.6	131.0	136.5	137.8		102.1	102.1	107.1	108.3	
Electrical goods .....	506	490.4	488.8	499.8	500.1		371.8	372.0	379.9	379.5	
Electrical apparatus and equipment ...	5063	271.4	269.5	276.5	277.5		-	-	-	-	
Electrical appliances, TV and radios ..	5064	71.8	72.6	73.3	72.9		-	-	-	-	
Electronic parts and equipment .....	5065	147.2	146.7	150.0	149.7		-	-	-	-	
Hardware, plumbing, and heating equipment ..	507	259.3	260.0	265.0	265.5		208.7	209.2	214.2	214.5	
Hardware .....	5072	88.5	89.3	92.0	92.4		-	-	-	-	
Plumbing and hydronic heating supplies ..	5074	107.8	108.1	110.1	110.2		-	-	-	-	
Machinery, equipment, and supplies .....	508	1,437.6	1,429.9	1,466.2	1,477.1		1,141.6	1,132.2	1,146.8	1,152.7	
Commercial machines and equipment ..	5081	531.1	528.7	542.1	548.2		-	-	-	-	
Construction and mining machinery ..	5082	81.0	80.2	82.5	82.8		-	-	-	-	
Farm machinery and equipment .....	5083	115.7	114.9	120.5	120.0		-	-	-	-	
Industrial machinery and equipment ..	5084	296.5	294.0	298.7	299.8		-	-	-	-	
Industrial supplies .....	5085	128.9	128.5	132.3	132.8		-	-	-	-	
Professional equipment and supplies ..	5086	175.7	174.4	176.3	178.9		-	-	-	-	
Miscellaneous durable goods ..	509	193.1	190.5	201.7	203.7		155.1	151.2	162.0	163.4	
Scrap and waste materials ..	5093	88.0	87.2	92.7	93.4		-	-	-	-	
Nondurable goods .....	51	2,349	2,332	2,409	2,405	2,381	1,906	1,891	1,961	1,955	
Paper and paper products .....	511	188.4	189.7	194.2	193.9	-	153.3	154.6	156.8	155.7	
Drugs, proprietaries, and sundries .....	512	172.0	169.8	180.7	183.4		142.9	140.8	150.0	152.2	
Apparel, piece goods, and notions .....	513	191.4	190.3	195.6	193.7		143.2	143.3	148.0	146.6	
Groceries and related products ..	514	759.6	754.2	772.4	772.4		642.2	637.9	653.0	652.6	
Groceries, general line .....	5141	246.5	247.6	251.6	252.5		-	-	-	-	
Meats and meat products .....	5147	64.6	63.9	64.5	64.6		-	-	-	-	
Fresh fruits and vegetables .....	5148	86.4	88.3	85.8	86.0		-	-	-	-	
Chemicals and allied products .....	516	128.4	130.3	134.8	135.4		92.9	94.2	100.3	100.4	
Petroleum and petroleum products .....	517	195.8	194.4	197.1	198.0		151.7	150.9	154.3	154.9	
Petroleum bulk stations and terminals ..	5171	79.0	79.1	80.4	80.9		-	-	-	-	
Petroleum products, nec .....	5172	116.8	115.3	116.7	117.1		-	-	-	-	
Beer, wine, and distilled beverages ..	518	152.0	149.9	154.4	155.0		124.9	123.0	126.9	126.9	
Beer and ale .....	5181	94.1	94.0	96.3	96.4		-	-	-	-	
Wines and distilled beverages .....	5182	57.9	55.9	58.1	58.6		-	-	-	-	
Miscellaneous nondurable goods ..	519	428.6	425.1	447.6	444.5		347.1	342.5	363.4	360.2	
Farm supplies ..	5191	137.7	138.0	144.9	142.2		-	-	-	-	
<b>Retail trade ..</b>		<b>18,612</b>	<b>17,810</b>	<b>18,720</b>	<b>19,060</b>	<b>18,308</b>	<b>16,631</b>	<b>15,839</b>	<b>16,638</b>	<b>16,960</b>	<b>16,203</b>
Building materials and garden supplies ..	52	698.9	679.1	728.2	726.1		582.6	561.7	604.7	602.1	
Lumber and other building materials ..	521	375.8	372.4	396.7	392.1		318.2	313.8	335.2	330.6	
Hardware stores ..	525	159.1	154.3	163.8	166.2		133.1	128.1	135.9	137.7	
General merchandise stores ..	53	2,658.1	2,409.4	2,618.8	2,727.4	2,511.5	2,509.8	2,266.2	2,451.8	2,552.4	
Department stores ..	531	2,223.1	2,022.3	2,199.2	2,281.9	-	2,118.1	1,921.5	2,076.4	2,152.5	
Variety stores ..	533	269.0	243.0	258.1	268.8		245.7	219.9	234.2	244.4	
Misc. general merchandise stores ..	539	166.0	144.1	161.5	176.7		146.0	124.8	141.2	155.5	
Food stores ..	54	2,977.4	2,917.8	3,017.6	3,056.5	3,007.0	2,753.5	2,691.9	2,774.4	2,813.4	
Grocery stores ..	541	2,584.7	2,565.4	2,647.4	2,664.3	-	2,398.5	2,376.7	2,444.9	2,462.0	
Meat markets and freezer provisioners ..	542	61.6	59.6	60.0	60.7		-	-	-	-	
Dairy products stores ..	545	41.2	34.0	38.1	42.0		-	-	-	-	
Retail bakeries ..	546	170.0	164.3	167.7	170.3		154.9	149.9	152.4	154.7	
Automotive dealers and service stations ..	55	1,959.7	1,958.1	1,998.9	2,000.6	2,007.0	1,645.1	1,641.6	1,673.2	1,674.3	
New and used car dealers ..	551,2	957.7	958.8	980.4	982.3	-	796.8	796.9	813.1	813.9	
Auto and home supply stores ..	553	310.6	307.8	319.9	318.0		252.0	248.5	259.6	257.8	
Gasoline service stations ..	554	605.3	604.8	606.8	609.8		527.7	527.1	527.4	531.3	

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores .....	56	1,194.4	1,110.6	1,133.6	1,201.5		1,025.5	942.6	961.2	1,028.3	
Men's and boys' clothing and furnishings ..	561	122.5	110.9	108.0	115.9		103.7	92.6	89.3	97.0	
Women's ready-to-wear stores ..	562	422.4	394.8	399.3	419.3		364.7	338.2	337.8	358.3	
Family clothing stores ..	565	281.1	248.8	258.1	282.4		247.9	216.0	225.9	249.2	
Shoe stores .....	566	218.1	207.7	218.5	228.3		178.5	166.6	180.7	190.6	
Furniture and home furnishings stores .....	57	813.7	792.6	836.7	851.6		681.6	659.2	691.4	704.8	
Furniture and home furnishings stores ..	571	452.3	443.0	469.8	474.9		374.3	364.7	387.0	391.5	
Furniture stores .....	5712	279.8	278.2	292.9	295.0		-	-	-	-	
Household appliance stores .....	572	87.8	86.7	87.0	87.4		75.3	74.2	75.1	75.8	
Radio, television, and music stores ..	573	273.6	262.9	279.9	289.3		232.0	220.3	229.3	237.5	
Radio and television stores ..	5732	200.1	195.0	209.4	215.9		-	-	-	-	
Music stores ..	5733	73.5	67.9	70.5	73.4		-	-	-	-	
Eating and drinking places ..	58	5,884.4	5,665.4	5,992.5	6,008.4	5,795.8	5,357.8	5,151.6	5,453.4	5,466.6	
Miscellaneous retail .....	59	2,425.6	2,276.6	2,393.7	2,487.8		2,074.7	1,924.3	2,027.6	2,118.4	
Drug stores and proprietary stores .....	591	588.3	579.5	608.5	624.6		503.1	492.9	519.1	532.9	
Liquor stores .....	592	130.1	127.0	124.7	128.9		-	-	-	-	
Miscellaneous shopping goods stores ..	594	857.7	764.7	822.5	880.6		737.8	645.0	699.0	755.6	
Sporting goods and bicycle shops ..	5941	141.2	132.9	141.4	147.9		-	-	-	-	
Book stores .....	5942	80.7	77.8	79.0	81.5		-	-	-	-	
Stationery stores ..	5943	76.8	76.7	76.6	77.5		-	-	-	-	
Jewelry stores .....	5944	164.2	151.1	153.4	165.7		-	-	-	-	
Gift, novelty, and souvenir shops ..	5947	157.1	139.0	151.7	163.7		-	-	-	-	
Sewing, needlework, and piece goods ..	5949	64.7	63.8	66.4	67.7		-	-	-	-	
Nonstore retailers .....	596	273.0	255.0	270.8	271.8		248.6	230.2	244.7	245.4	
Mail order houses .....	5961	135.1	122.7	133.5	134.1		-	-	-	-	
Merchandising machine operators ..	5962	79.5	79.5	83.2	83.7		-	-	-	-	
Fuel and ice dealers ..	598	114.7	116.3	116.8	118.6		96.4	97.7	96.9	98.7	
Retail stores, nec ..	599	381.0	353.5	363.4	376.0		313.5	287.2	295.9	309.6	
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		<b>6,437</b>	<b>6,422</b>	<b>6,633</b>	<b>6,653</b>	<b>6,613</b>	<b>4,754</b>	<b>4,731</b>	<b>4,843</b>	<b>4,856</b>	<b>4,805</b>
Finance ..		3,224	3,222	3,291	3,300	3,295					
Banking .....	60	1,742.1	1,733.6	1,728.1	1,734.6		1,262.3	1,252.9	1,240.1	1,244.3	
Commercial and stock savings banks ..	602	1,564.3	1,559.2	1,554.2	1,559.8		1,128.8	1,122.4	1,111.2	1,114.9	
State banks, Federal Reserve .....	6022	344.0	343.0	345.5	346.5		-	-	-	-	
State banks, not Federal Reserve ..	6023,4	373.5	373.5	375.0	376.7		-	-	-	-	
Mutual savings banks ..	603	85.1	86.1	86.6	87.0		-	-	-	-	
Credit agencies other than banks ..	61	866.1	872.2	896.8	897.5		652.0	655.0	667.9	667.0	
Savings and loan associations ..	612	389.5	391.7	405.8	406.2		297.0	298.9	308.5	308.6	
Federal savings and loan associations ..	6122	216.0	216.6	224.2	224.1		-	-	-	-	
State associations, insured ..	6123	165.5	166.9	173.7	174.2		-	-	-	-	
Personal credit institutions ..	614	230.9	231.2	237.1	238.8		178.7	178.3	182.4	183.3	
Business credit institutions .....	615	52.1	52.0	57.3	57.2		-	-	-	-	
Mortgage bankers and brokers ..	616	168.4	172.0	172.5	171.7		-	-	-	-	
Security, commodity brokers, and services ..	62	414.6	416.2	452.6	453.5						
Security brokers and dealers ..	621	330.6	331.4	360.9	360.8						
Holding and other investment offices ..	67	201.6	200.1	213.0	214.6						
Insurance ..		1,996	2,007	2,067	2,080	2,079					
Insurance carriers ..	63	1,389.5	1,395.6	1,421.0	1,429.2		949.8	950.7	945.5	950.5	
Life insurance .....	631	580.2	580.6	589.8	592.7		365.3	364.6	355.6	357.7	
Medical service and health insurance ..	632	191.7	192.6	194.5	198.6		155.0	155.9	157.0	160.1	
Fire, marine, and casualty insurance ..	633	515.3	518.8	539.7	541.3		351.1	350.9	359.4	360.0	
Title insurance ..	636	60.8	61.1	54.4	53.9		-	-	-	-	
Insurance agents, brokers, and service ..	64	606.5	611.3	645.9	650.5						

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>P</sup>	Jan. 1988 <sup>P</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>P</sup>	Jan. 1988 <sup>P</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate, and combined real estate, insurance, etc ....		1,217	1,193	1,275	1,273	1,239					
Real estate .....	65	1,204.5	1,181.0	1,263.3	1,260.7						
Real estate operators and lessors .....	651	523.8	505.1	519.9	523.2						
Real estate agents and managers .....	653	497.9	498.4	537.1	538.5						
Subdividers and developers .....	655	149.8	146.4	170.1	163.5						
Combined real estate, insurance, etc .....	66	12.3	12.3	12.1	12.2						
<b>Services .....</b>		<b>23,438</b>	<b>23,268</b>	<b>24,493</b>	<b>24,525</b>	<b>24,232</b>	<b>20,528</b>	<b>20,342</b>	<b>21,454</b>	<b>21,464</b>	<b>21,152</b>
Hotels and other lodging places .....	70	1,352.0	1,341.5	1,416.7	1,413.8						
Hotels, motels, and tourist courts .....	701	1,318.7	1,309.1	1,385.6	1,383.9		1,189.5	1,160.5	1,234.4	1,232.4	
Personal services .....	72	1,111.6	1,138.1	1,168.3	1,176.2						
Laundry, cleaning, and garment services .....	721	394.7	393.3	418.3	418.6		351.8	349.9	372.1	371.2	
Photographic studios, portrait .....	722	64.5	57.9	68.9	68.2						
Beauty shops .....	723	351.8	348.8	352.7	353.7		318.5	315.4	317.2	317.5	
Funeral service and crematories .....	726	78.5	78.5	77.7	78.4						
Business services .....	73	4,938.6	4,879.8	5,236.2	5,247.7	5,146.8	4,239.5	4,169.5	4,505.3	4,507.7	
Advertising .....	731	200.6	200.8	202.8	203.0		148.7	148.9	151.9	152.5	
Advertising agencies .....	7311	149.2	148.8	150.1	150.2						
Credit reporting and collection .....	732	101.7	101.5	102.6	102.6						
Mailing, reproduction, and stenographic .....	733	202.0	199.3	218.8	222.0						
Services to buildings .....	734	685.6	679.5	686.3	679.8		621.2	612.8	622.0	616.2	
Personnel supply services .....	736	1,097.4	1,054.4	1,271.6	1,275.4						
Employment agencies .....	7361	168.7	166.9	196.6	195.6						
Temporary help supply services .....	7362	874.8	834.9	1,009.8	1,014.2						
Computer and data processing services .....	737	608.7	614.6	661.2	668.3		482.7	484.7	519.2	522.7	
Computer programming and software .....	7372	223.0	224.2	248.3	253.7						
Data processing services .....	7374	286.7	291.0	309.1	310.8						
Miscellaneous business services .....	739	2,033.7	2,020.8	2,083.8	2,087.5						
Research development laboratories, nec .....	7391	195.5	195.6	196.1	200.0						
Management and public relations .....	7392	558.7	553.9	580.3	578.3						
Detective and protective services .....	7393	457.9	448.5	450.4	451.3						
Equipment rental and leasing .....	7394	208.0	208.7	221.4	222.0						
Photofinishing laboratories .....	7395	82.9	78.9	84.6	83.1						
Auto repair, services, and garages .....	75	772.3	773.8	805.3	811.9		646.9	647.1	670.0	674.3	
Automotive rentals, without drivers .....	751	167.1	166.9	174.9	178.7						
Automotive repair shops .....	753	457.4	458.4	480.2	482.6		381.2	380.6	397.3	397.8	
Miscellaneous repair services ..	76	319.9	316.1	328.9	329.4		246.1	262.4	274.1	274.4	
Electrical repair shops ..	762	107.8	106.3	103.9	103.6						
Motion pictures .....	78	230.9	228.1	231.8	233.7		193.0	190.5	196.1	199.0	
Motion picture production and services .....	781	118.0	115.4	122.5	122.1		94.4	91.8	100.9	101.1	
Motion picture theaters ..	783	100.5	100.1	95.5	97.8						
Amusement and recreation services ..	79	859.8	836.6	890.1	891.3		750.4	718.9	771.5	768.7	
Health services .....	80	6,677.3	6,705.7	7,016.0	7,050.7	7,088.1	5,938.3	5,958.9	6,226.8	6,259.1	
Offices of physicians .....	801	1,021.8	1,032.1	1,109.3	1,120.6		845.2	849.8	909.0	920.0	
Offices of dentists .....	802	469.5	468.6	487.4	489.2		415.2	413.9	430.7	432.3	
Nursing and personal care facilities ..	805	1,276.8	1,279.3	1,307.3	1,309.4		1,153.2	1,155.7	1,179.8	1,181.8	
Skilled nursing care facilities .....	8051	853.4	854.8	873.0	874.3						
Nursing and personal care, nec .....	8059	423.4	424.5	434.3	435.1						
Hospitals .....	806	3,072.5	3,080.7	3,212.6	3,224.5		2,799.5	2,808.5	2,930.2	2,941.1	
General medical and surgical hospitals .....	8062	2,875.9	2,884.0	3,006.5	3,017.4						
Psychiatric hospitals .....	8063	65.7	65.6	69.1	69.4						
Specialty hospitals, excluding psychiatric ..	8069	130.9	131.1	137.0	137.7						
Medical and dental laboratories .....	807	134.6	135.3	145.7	146.6						
Outpatient care facilities .....	808	253.3	258.9	275.3	277.3						

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 <sup>1</sup>				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Services—Continued</b>											
Legal services .....	81	767.2	772.6	800.8	800.6		646.7	649.0	672.0	671.6	
Educational services .....	82	1,517.8	1,429.9	1,541.9	1,512.8						
Elementary and secondary schools .....	821	373.0	371.2	374.1	374.1						
Colleges and universities .....	822	992.8	909.3	1,011.7	981.7						
Correspondence and vocational schools .....	824	72.4	71.4	72.8	73.5						
Social services .....	83	1,506.4	1,500.3	1,582.6	1,590.6						
Individual and family services .....	832	302.3	298.8	323.0	326.0						
Job training and related services .....	833	256.8	256.1	262.7	263.5						
Residential care .....	836	327.2	327.5	342.0	345.2						
Museums, botanical and zoological gardens .....	84	47.0	46.1	51.5	51.7						
Membership organizations .....	86	1,526.9	1,509.4	1,530.2	1,538.2						
Business associations .....	861	90.4	90.0	91.7	91.2						
Labor organizations .....	863	136.3	131.0	129.7	133.2						
Civic and social associations .....	864	345.5	331.8	349.5	353.9						
Miscellaneous services .....	89	1,265.9	1,276.7	1,323.2	1,328.1		1,031.9	1,039.4	1,073.5	1,077.2	
Engineering and architectural services .....	891	680.2	677.7	712.7	714.2		574.4	571.2	601.2	603.0	
Noncommercial research organizations .....	892	128.0	126.0	131.5	132.3		-	-	-	-	
Accounting, auditing, and bookkeeping .....	893	432.0	447.4	451.2	453.7		336.0	348.8	346.0	347.7	
<b>Government .....</b>		17,186	16,927	17,557	17,541	17,192					
<b>Federal Government<sup>4</sup> .....</b>		2,895	2,888	2,956	2,970	2,957					
Executive, by agency <sup>4</sup> .....		2,839.9	2,831.9	2,898.3							
Department of Defense .....		968.6	964.8	994.2							
Postal Service <sup>5</sup> .....		818.0	808.1	810.6							
Other executive agencies .....		1,053.3	1,059.0	1,093.5							
Legislative .....		36.4	37.6	37.9							
Judicial .....		18.8	18.9	20.0							
<b>Federal government, by industry:</b>											
Manufacturing activities .....		123.5	122.9	126.9	126.8						
Shipbuilding and repairing .....	3731	74.0	73.7	78.4	78.0						
Transportation and public utilities, except Postal											
Service .....		38.3	38.3	40.9	40.6						
Services .....		405.2	402.4	414.5	413.3						
Hospitals .....	806	244.7	244.6	253.2	253.0						
State government .....		4,004	3,898	4,097	4,074	3,939					
Hospitals .....	806	444.3	445.1	452.9	453.8	-					
Education .....	82	1,682.6	1,564.3	1,735.5	1,713.3						
General administration, including executive,											
legislative, and judicial functions .....		1,316.3	1,328.5	1,341.7	1,340.0						
Local government .....		10,287	10,141	10,504	10,497	10,296					
Transportation and public utilities .....		488.6	488.6	494.5	496.1	-					
Hospitals .....	806	611.4	612.9	632.3	635.5						
Education .....	82	5,887.8	5,766.9	6,007.4	5,996.6						
General administration, including executive,											
legislative, and judicial functions .....		2,983.5	2,958.4	3,041.9	3,040.6						

<sup>1</sup> 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.

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

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

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to

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

<sup>5</sup> Includes rural mail carriers.

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1986 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	Oct. 1986	Nov. 1986	Sept. 1987	Oct. 1987	Nov. 1987
<b>Total</b> .....	46,457	46,809	47,494	48,164	48,502
<b>Total private</b> .....	37,738	37,967	38,954	39,184	39,418
<b>Goods-producing</b> .....	6,869	6,858	7,016	7,036	7,045
<b>Mining</b> .....	99	99	98	98	98
<b>Construction</b> .....	519	518	546	546	545
<b>Manufacturing</b> .....	6,251	6,241	6,372	6,392	6,402
<b>Durable goods</b> .....	2,991	2,996	3,028	3,048	3,058
Lumber and wood products .....	114	113	122	121	120
Furniture and fixtures .....	155	157	162	165	167
Stone, clay, and glass products .....	113	113	115	115	115
Primary metal industries .....	99	100	103	103	104
Fabricated metal products .....	322	322	327	329	329
Machinery, except electrical .....	440	442	449	453	455
Electrical and electronic equipment .....	888	888	879	884	887
Transportation equipment .....	385	388	394	394	396
Instruments and related products .....	302	302	302	304	305
Miscellaneous manufacturing .....	172	172	176	181	181
<b>Nondurable goods</b> .....	3,260	3,245	3,344	3,344	3,344
Food and kindred products .....	532	521	559	542	530
Tobacco manufactures .....	22	21	19	20	19
Textile mill products .....	348	349	357	357	357
Apparel and other textile products .....	891	885	896	902	902
Paper and allied products .....	165	165	167	167	168
Printing and publishing .....	626	630	646	650	658
Chemicals and allied products .....	287	287	298	299	301
Petroleum and coal products .....	25	25	24	24	24
Rubber and misc. plastics products .....	276	276	285	291	292
Leather and leather products .....	88	88	92	93	93
<b>Service-producing</b> .....	39,588	39,951	40,478	41,128	41,457
<b>Transportation and public utilities</b> .....	1,497	1,502	1,553	1,563	1,561
<b>Wholesale trade</b> .....	1,690	1,688	1,723	1,741	1,749
<b>Retail trade</b> .....	9,540	9,738	9,769	9,821	10,024
<b>Finance, insurance, and real estate</b> .....	3,967	3,985	4,131	4,136	4,141
<b>Services</b> .....	14,175	14,196	14,759	14,887	14,898
<b>Government</b> .....	8,719	8,842	8,543	8,980	9,084
Federal .....	1,023	1,024	1,049	1,049	1,053
State .....	1,907	1,924	1,870	1,967	1,983
Local .....	5,789	5,894	5,624	5,964	6,048

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1986 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	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>P</sup>	Jan. <sup>P</sup>
<b>Total ..</b>	100,919	101,150	101,329	101,598	101,708	101,818	102,126	102,275	102,434	102,983	103,285	103,596	103,703
<b>Total private ..</b>	83,983	84,215	84,352	84,560	84,677	84,787	85,106	85,229	85,386	85,795	86,072	86,322	86,496
<b>Goods-producing ..</b>	24,708	24,743	24,749	24,759	24,752	24,761	24,850	24,886	24,917	25,064	25,169	25,258	25,219
<b>Mining .....</b>	718	719	722	729	735	738	744	751	759	764	759	759	745
Oil and gas extraction ..	405	406	408	416	420	425	430	434	439	443	439	437	426
<b>Construction .....</b>	5,034	5,038	5,032	5,019	4,999	5,008	5,002	5,006	4,989	5,053	5,074	5,122	5,072
General building contractors ..	1,311	1,309	1,291	1,272	1,267	1,266	1,261	1,262	1,260	1,279	1,260	1,292	1,299
<b>Manufacturing ..</b>	18,956	18,986	18,995	19,011	19,018	19,015	19,104	19,129	19,169	19,247	19,336	19,377	19,402
<b>Durable goods .....</b>	11,157	11,179	11,176	11,175	11,175	11,176	11,195	11,248	11,268	11,319	11,367	11,401	11,413
Lumber and wood products .....	731	733	734	736	738	735	740	736	740	741	750	754	755
Furniture and fixtures .....	500	501	502	504	509	510	518	518	520	524	526	529	533
Stone, clay, and glass products .....	586	588	586	586	584	582	582	582	581	583	588	590	584
Primary metal industries .....	726	733	739	743	742	746	750	754	764	768	771	772	766
Blast furnaces and basic steel products .....	254	261	266	272	272	275	277	278	283	286	287	285	283
Fabricated metal products .....	1,422	1,419	1,419	1,423	1,420	1,424	1,424	1,425	1,429	1,438	1,446	1,451	1,454
Machinery, except electrical .....	2,007	2,018	2,015	2,022	2,025	2,028	2,033	2,044	2,053	2,064	2,074	2,085	2,098
Electrical and electronic equipment ..	2,111	2,106	2,099	2,092	2,087	2,080	2,088	2,095	2,096	2,111	2,118	2,128	2,136
Transportation equipment .....	2,014	2,022	2,022	2,011	2,011	2,010	1,995	2,028	2,018	2,019	2,016	2,016	2,002
Motor vehicles and equipment .....	851	859	854	847	843	842	814	848	837	838	835	831	823
Instruments and related products .....	697	695	694	694	693	693	695	695	695	697	701	700	700
Miscellaneous manufacturing ..	363	364	366	364	366	368	370	371	372	374	377	376	379
<b>Nondurable goods .....</b>	7,799	7,807	7,819	7,836	7,843	7,839	7,909	7,881	7,901	7,928	7,969	7,976	7,989
Food and kindred products .....	1,628	1,630	1,635	1,642	1,633	1,634	1,644	1,632	1,631	1,635	1,645	1,644	1,659
Tobacco manufactures .....	58	58	57	56	57	57	57	56	55	55	56	56	55
Textile mill products .....	718	722	725	724	727	729	736	732	735	736	738	738	735
Apparel and other textile products ..	1,106	1,101	1,103	1,104	1,107	1,108	1,130	1,110	1,117	1,123	1,128	1,121	1,114
Paper and allied products .....	678	679	678	677	677	676	678	677	681	678	680	681	682
Printing and publishing .....	1,479	1,483	1,485	1,493	1,497	1,498	1,504	1,508	1,509	1,514	1,522	1,525	1,531
Chemicals and allied products ..	1,018	1,018	1,017	1,018	1,022	1,014	1,026	1,031	1,031	1,035	1,041	1,047	1,049
Petroleum and coal products .....	164	164	164	164	164	164	164	166	166	167	167	167	165
Rubber and misc. plastics products ..	803	805	807	809	809	810	815	819	824	833	840	845	846
Leather and leather products .....	147	147	148	149	150	149	155	152	152	152	152	152	153
<b>Service-producing ..</b>	76,211	76,407	76,580	76,839	76,956	77,057	77,276	77,389	77,517	77,919	78,116	78,338	78,484
<b>Transportation and public utilities .....</b>	5,304	5,315	5,333	5,348	5,344	5,350	5,363	5,377	5,416	5,436	5,459	5,468	5,476
Transportation .....	3,089	3,097	3,112	3,124	3,120	3,128	3,133	3,147	3,183	3,198	3,218	3,227	3,228
Communication and public utilities ..	2,215	2,218	2,221	2,224	2,224	2,222	2,230	2,230	2,233	2,238	2,241	2,241	2,248
<b>Wholesale trade .....</b>	5,741	5,757	5,766	5,772	5,775	5,781	5,797	5,807	5,815	5,831	5,851	5,873	5,892
Durable goods .....	3,386	3,391	3,397	3,397	3,401	3,405	3,418	3,422	3,431	3,444	3,456	3,475	3,487
Nondurable goods .....	2,355	2,366	2,369	2,375	2,374	2,376	2,379	2,385	2,384	2,387	2,395	2,398	2,405
<b>Retail trade .....</b>	18,080	18,140	18,136	18,197	18,205	18,226	18,274	18,256	18,314	18,408	18,443	18,433	18,587
General merchandise stores .....	2,358	2,373	2,380	2,365	2,390	2,367	2,407	2,411	2,415	2,459	2,454	2,427	2,457
Food stores .....	2,929	2,940	2,944	2,953	2,956	2,960	2,959	2,962	2,958	2,969	2,982	2,994	3,019
Automotive dealers and service stations ..	1,976	1,979	1,979	1,978	1,978	1,983	1,985	1,985	1,988	2,000	2,003	2,011	2,027
Eating and drinking places .....	5,946	5,956	5,964	5,962	5,976	5,982	5,985	5,992	6,018	6,032	6,047	6,063	6,082
<b>Finance, insurance, and real estate .....</b>	6,480	6,501	6,526	6,558	6,576	6,586	6,606	6,624	6,629	6,650	6,657	6,667	6,671
Finance .....	3,235	3,243	3,256	3,272	3,276	3,280	3,291	3,293	3,292	3,296	3,301	3,303	3,308
Insurance .....	2,012	2,016	2,022	2,032	2,037	2,037	2,043	2,050	2,054	2,068	2,069	2,082	2,083
Real estate .....	1,233	1,242	1,248	1,254	1,263	1,269	1,274	1,281	1,283	1,286	1,287	1,282	1,280
<b>Services .....</b>	23,670	23,759	23,842	23,926	24,025	24,083	24,214	24,279	24,295	24,406	24,493	24,623	24,651
Business services .....	4,950	4,984	5,020	5,044	5,083	5,086	5,105	5,133	5,152	5,194	5,195	5,222	5,220
Health services .....	6,721	6,748	6,773	6,800	6,822	6,853	6,887	6,923	6,943	6,987	7,023	7,065	7,102
<b>Government .....</b>	18,936	18,935	18,977	17,038	17,031	17,031	17,020	17,046	17,046	17,188	17,213	17,274	17,207
Federal .....	2,912	2,916	2,922	2,933	2,935	2,935	2,936	2,940	2,962	2,965	2,977	2,979	2,961
State .....	3,929	3,927	3,930	3,943	3,947	3,932	3,952	3,964	3,957	3,973	3,978	3,994	3,971
Local .....	10,095	10,092	10,125	10,162	10,149	10,164	10,132	10,142	10,129	10,250	10,258	10,301	10,255

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 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										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>Total</b> .....	46,229	46,358	46,517	46,654	46,766	46,937	46,999	47,142	47,372	47,461	47,509	47,811	47,910
<b>Total private</b> .....	37,653	37,767	37,909	38,057	38,133	38,271	38,337	38,445	38,649	38,754	38,783	38,992	39,099
<b>Goods-producing</b> .....	6,826	6,842	6,838	6,843	6,846	6,863	6,869	6,876	6,923	6,915	6,936	6,976	7,010
<b>Mining</b> .....	99	98	97	97	96	97	97	98	98	98	99	99	98
<b>Construction</b> .....	516	519	522	524	526	530	533	534	536	536	537	540	543
<b>Manufacturing</b> .....	6,211	6,225	6,219	6,222	6,224	6,236	6,239	6,244	6,289	6,281	6,300	6,337	6,369
<b>Durable goods</b> .....	2,983	2,985	2,979	2,983	2,978	2,980	2,980	2,983	2,990	3,005	3,018	3,036	3,045
Lumber and wood products .....	113	115	115	117	117	117	118	118	119	118	119	120	120
Furniture and fixtures .....	155	155	156	156	157	157	159	160	163	162	163	165	165
Stone, clay, and glass products .....	112	113	114	113	113	114	114	114	113	114	113	114	115
Primary metal industries .....	100	99	99	100	100	100	99	100	100	102	103	103	104
Fabricated metal products .....	321	321	320	320	320	322	322	323	323	324	325	327	328
Machinery, except electrical .....	442	441	440	441	441	444	444	444	446	450	453	455	456
Electrical and electronic equipment .....	885	884	880	876	870	868	866	864	869	872	876	881	883
Transportation equipment .....	387	389	388	392	392	391	390	390	385	391	392	393	394
Instruments and related products .....	301	301	300	300	299	299	299	299	301	300	302	304	304
Miscellaneous manufacturing .....	167	167	167	168	169	168	169	171	171	172	172	174	176
<b>Nondurable goods</b> .....	3,228	3,240	3,240	3,239	3,246	3,256	3,259	3,261	3,299	3,276	3,282	3,301	3,324
Food and kindred products .....	513	514	514	514	517	518	515	515	521	513	513	518	521
Tobacco manufactures .....	20	19	19	19	19	18	19	18	17	17	17	17	18
Textile mill products .....	347	349	349	350	352	351	351	352	355	354	353	354	355
Apparel and other textile products .....	881	889	883	878	878	880	883	883	902	884	890	894	899
Paper and allied products .....	165	165	165	165	165	165	165	165	165	165	166	165	168
Printing and publishing .....	628	629	632	634	636	640	641	643	644	647	647	650	655
Chemicals and allied products .....	288	287	289	290	290	291	292	292	295	298	297	299	302
Petroleum and coal products .....	25	25	24	24	24	24	24	24	24	24	24	24	24
Rubber and misc. plastics products .....	275	276	278	278	278	281	280	280	282	283	284	288	291
Leather and leather products .....	86	87	87	87	87	88	89	89	94	91	91	92	91
<b>Service-producing</b> .....	39,403	39,516	39,679	39,811	39,920	40,074	40,130	40,266	40,449	40,546	40,573	40,835	40,900
<b>Transportation and public utilities</b> .....	1,496	1,501	1,507	1,510	1,517	1,520	1,524	1,531	1,531	1,539	1,544	1,554	1,555
<b>Wholesale trade</b> .....	1,673	1,675	1,682	1,691	1,695	1,695	1,693	1,703	1,712	1,721	1,718	1,724	1,733
<b>Retail trade</b> .....	9,501	9,504	9,547	9,607	9,603	9,636	9,629	9,642	9,679	9,712	9,720	9,762	9,780
<b>Finance, insurance, and real estate</b> .....	3,996	4,016	4,036	4,053	4,064	4,087	4,100	4,109	4,126	4,132	4,135	4,148	4,153
<b>Services</b> .....	14,161	14,229	14,299	14,353	14,408	14,470	14,522	14,584	14,678	14,735	14,730	14,828	14,868
<b>Government</b> .....	8,576	8,591	8,608	8,597	8,633	8,666	8,662	8,697	8,723	8,707	8,726	8,819	8,811
Federal .....	1,033	1,035	1,037	1,038	1,041	1,043	1,045	1,044	1,044	1,048	1,056	1,057	1,061
State .....	1,865	1,869	1,878	1,871	1,883	1,890	1,897	1,896	1,913	1,916	1,908	1,921	1,923
Local .....	5,678	5,687	5,693	5,688	5,709	5,733	5,720	5,757	5,766	5,743	5,762	5,841	5,827

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-6. Production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

Industry	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>p</sup>	Jan. <sup>p</sup>
<b>Total private ..</b>	67,939	68,149	68,263	68,419	68,488	68,598	68,843	68,951	69,028	69,351	69,554	69,793	69,832
<b>Goods-producing ..</b>	17,331	17,379	17,380	17,375	17,360	17,377	17,441	17,476	17,498	17,620	17,698	17,784	17,716
<b>Mining ..</b>	504	508	511	518	525	528	534	539	545	551	548	546	532
<b>Construction ..</b>	3,943	3,955	3,944	3,918	3,889	3,891	3,887	3,899	3,881	3,940	3,953	4,001	3,935
<b>Manufacturing ..</b>	12,884	12,916	12,925	12,939	12,946	12,958	13,020	13,038	13,072	13,129	13,197	13,237	13,249
<b>Durable goods ..</b>	7,370	7,398	7,399	7,406	7,409	7,421	7,425	7,475	7,494	7,530	7,568	7,596	7,594
Lumber and wood products ..	611	614	615	617	618	615	619	615	618	618	627	631	631
Furniture and fixtures ..	400	400	402	403	407	408	416	415	416	420	422	425	426
Stone, clay, and glass products ..	452	454	453	453	452	451	449	450	451	453	456	460	454
Primary metal industries ..	540	547	553	559	557	561	565	569	578	582	586	587	582
Blast furnaces and basic steel products ..	188	194	199	205	205	207	209	211	214	217	219	218	217
Fabricated metal products ..	1,051	1,051	1,051	1,053	1,050	1,054	1,055	1,057	1,061	1,067	1,075	1,080	1,083
Machinery, except electrical ..	1,183	1,190	1,190	1,198	1,203	1,210	1,212	1,222	1,230	1,238	1,245	1,251	1,261
Electrical and electronic equipment ..	1,226	1,223	1,218	1,216	1,215	1,212	1,221	1,226	1,226	1,238	1,241	1,251	1,253
Transportation equipment ..	1,265	1,276	1,273	1,265	1,265	1,265	1,241	1,275	1,265	1,262	1,259	1,254	1,242
Motor vehicles and equipment ..	659	668	663	657	655	655	629	664	652	653	650	647	635
Instruments and related products ..	377	377	376	376	375	376	378	377	379	381	383	383	385
Miscellaneous manufacturing ..	265	266	268	266	267	269	269	269	270	271	274	274	277
<b>Nondurable goods ..</b>	5,514	5,518	5,526	5,533	5,537	5,537	5,595	5,563	5,578	5,599	5,629	5,641	5,655
Food and kindred products ..	1,147	1,150	1,154	1,158	1,153	1,150	1,159	1,146	1,144	1,150	1,159	1,160	1,174
Tobacco manufactures ..	44	44	44	43	44	42	43	42	41	40	41	41	41
Textile mill products ..	624	627	630	628	631	633	640	636	638	639	641	640	636
Apparel and other textile products ..	931	925	926	929	927	930	950	930	938	943	948	944	938
Paper and allied products ..	515	516	515	514	513	513	515	514	517	515	516	518	520
Printing and publishing ..	833	833	832	832	836	839	841	845	846	849	853	855	859
Chemicals and allied products ..	568	569	570	569	572	568	576	579	579	580	584	588	590
Petroleum and coal products ..	106	106	106	106	107	108	107	108	108	109	108	110	109
Rubber and misc. plastics products ..	623	625	626	629	629	629	633	636	639	647	652	658	660
Leather and leather products ..	123	123	123	125	125	125	131	127	128	127	127	127	128
<b>Service-producing ..</b>	50,608	50,770	50,883	51,044	51,128	51,221	51,402	51,475	51,530	51,731	51,856	52,009	52,116
<b>Transportation and public utilities ..</b>	4,389	4,401	4,419	4,428	4,429	4,439	4,449	4,465	4,497	4,514	4,532	4,524	4,523
<b>Wholesale trade ..</b>	4,600	4,611	4,617	4,622	4,623	4,632	4,641	4,642	4,644	4,653	4,673	4,687	4,707
<b>Retail trade ..</b>	16,097	16,141	16,132	16,189	16,193	16,195	16,246	16,242	16,257	16,346	16,360	16,355	16,466
<b>Finance, insurance, and real estate ..</b>	4,786	4,806	4,823	4,840	4,844	4,851	4,853	4,861	4,861	4,862	4,858	4,871	4,858
<b>Services ..</b>	20,736	20,811	20,892	20,965	21,039	21,104	21,213	21,265	21,271	21,356	21,433	21,572	21,562

<sup>1</sup> 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.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 forward are subject to revision.

**ESTABLISHMENT DATA  
INDEXES OF DIFFUSION  
SEASONALLY ADJUSTED**

**B-7. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased, seasonally adjusted**

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1986.....	53.2	48.1	48.1	53.5	52.4	46.8	52.4	56.2	55.1	53.2	59.7	59.7
	1987.....	53.5	56.8	58.6	58.4	58.6	55.7	68.6	54.6	65.4	65.4	71.9	<sup>p</sup> 62.2
	1988.....	<sup>p</sup> 59.2											
Over 3-month span	1986.....	49.7	44.9	45.7	48.4	47.6	45.4	48.4	55.1	55.9	58.1	58.6	60.3
	1987.....	58.6	59.5	61.1	61.6	61.4	67.3	66.2	75.1	69.7	77.8	<sup>p</sup> 74.6	<sup>p</sup> 68.4
	1988.....												
Over 6-month span	1986.....	47.6	47.6	43.0	43.2	45.4	48.4	47.3	53.0	59.2	58.9	57.8	58.9
	1987.....	61.9	62.7	58.9	67.3	67.6	71.1	76.2	78.6	<sup>p</sup> 79.5	<sup>p</sup> 73.2		
	1988.....												
Over 12-month span	1986.....	43.2	44.1	46.2	45.7	47.8	49.5	49.5	51.6	54.9	52.2	55.1	56.5
	1987.....	62.2	63.5	67.3	68.9	73.8	<sup>p</sup> 71.9	<sup>p</sup> 76.5					
	1988.....												

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.

<sup>p</sup> = 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 1986 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Alabama</b> .....	1,474.0	1,503.3	1,507.3	11.9	11.7	11.6	75.3	76.1	76.1
Birmingham .....	386.1	395.0	397.1	6.1	5.9	5.9	23.6	25.6	25.3
Huntsville .....	119.0	123.3	124.1	.1	.1	.1	4.9	5.3	5.1
Mobile .....	159.9	159.2	159.2	.4	.4	.4	10.0	8.9	8.9
Montgomery .....	123.1	124.2	125.1	.1	.1	.1	9.5	9.8	9.7
Tuscaloosa .....	57.6	59.7	59.5	2.7	2.5	2.5	2.8	3.3	3.1
<b>Alaska</b> .....	211.4	206.4	203.4	8.3	7.9	7.9	11.2	10.4	9.1
<b>Arizona</b> .....	1,378.7	1,397.1	1,402.9	11.0	11.3	11.3	108.4	99.5	98.2
Phoenix .....	907.0	920.3	923.5	.6	.6	.6	73.6	66.3	65.5
Tucson .....	244.4	248.5	250.2	1.6	1.7	1.7	21.6	20.5	20.3
<b>Arkansas</b> .....	824.0	853.7	854.1	4.1	4.0	3.9	34.2	35.9	35.7
Fayetteville-Springdale .....	45.2	48.3	47.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	2.0	2.0
Fort Smith .....	73.5	75.1	75.6	.9	1.0	1.0	2.9	2.8	2.8
Little Rock-North Little Rock .....	227.2	231.8	232.3	.4	.4	.4	11.4	11.8	11.7
Pine Bluff .....	31.7	32.2	32.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.4	1.4
<b>California</b> .....	11,526.0	11,887.9	11,939.7	40.0	39.8	39.8	540.2	582.1	577.2
Anaheim-Santa Ana .....	1,074.3	1,115.2	1,120.4	2.1	1.8	1.8	55.2	58.4	58.0
Bakersfield .....	158.0	162.9	164.2	12.4	12.6	12.7	9.6	10.4	10.6
Fresno .....	200.5	206.4	207.4	.6	.8	.8	12.2	11.6	11.9
Los Angeles-Long Beach .....	3,999.9	4,091.7	4,111.4	10.6	10.3	10.3	131.4	138.9	139.3
Modesto .....	99.5	106.8	106.7	.1	.1	.1	6.4	7.1	6.9
Oakland .....	806.6	832.7	835.4	2.5	2.5	2.5	47.2	50.2	49.6
Oxnard-Ventura .....	198.7	205.4	207.3	2.9	2.5	2.5	11.0	12.4	12.3
Riverside-San Bernardino .....	583.7	618.6	623.8	1.2	1.3	1.3	45.6	52.2	52.4
Sacramento .....	529.2	557.7	557.5	.7	.8	.7	31.9	35.2	33.9
Salinas-Seaside-Monterey .....	105.0	106.8	106.8	.5	.5	.5	4.5	4.7	4.7
San Diego .....	845.2	875.6	881.8	.8	.8	.8	54.8	58.6	58.3
San Francisco .....	940.5	953.0	958.2	1.1	1.0	1.0	34.7	36.4	35.8
San Jose .....	774.9	788.7	791.7	.2	.2	.2	30.7	32.5	31.7
Santa Barbara-Santa Maria-Lompoc .....	145.6	147.3	146.5	1.3	1.4	1.4	6.2	6.5	6.4
Santa Rosa-Petaluma .....	121.4	125.6	125.6	.6	.6	.6	8.2	9.0	8.4
Stockton .....	136.4	141.3	141.1	.1	.1	.1	8.2	9.4	9.1
Vallejo-Fairfield-Napa .....	123.1	130.5	130.6	.3	.3	.3	7.6	9.3	9.1
<b>Colorado</b> .....	1,405.2	1,405.8	1,415.5	25.0	23.8	23.9	71.6	70.3	67.2
Boulder-Longmont .....	105.0	106.9	106.9	.2	.3	.3	3.8	3.8	3.6
Denver .....	803.6	807.0	806.5	16.4	15.6	15.5	40.2	39.6	38.0
<b>Connecticut</b> .....	1,644.6	1,673.8	1,684.5	1.6	1.6	1.6	73.6	77.3	75.4
Bridgeport-Milford .....	197.3	203.0	202.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.1	9.3	9.1
Hartford .....	473.1	486.5	489.2	.3	.4	.4	19.5	21.3	20.9
New Britain .....	66.1	67.7	67.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.6	4.4
New Haven-Meriden .....	251.9	255.3	256.1	.3	.3	.3	13.0	13.6	13.3
Stamford .....	126.4	127.8	128.6	.6	.6	.6	5.3	5.3	5.4
Waterbury .....	87.8	88.3	89.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.6	4.5
<b>Delaware</b> .....	313.2	322.2	323.9	.1	.1	.1	18.7	20.2	20.2
Wilmington .....	272.1	279.1	281.0	.2	.2	.2	18.0	18.9	18.8
<b>District of Columbia</b> .....	647.0	652.3	656.0	.1	.1	.1	14.3	15.3	15.3
Washington MSA .....	2,039.0	2,074.6	2,089.3	.9	.9	.8	123.7	125.5	125.1
<b>Florida</b> .....	4,739.3	4,902.9	4,952.9	9.7	9.9	9.8	342.3	346.7	346.9
Daytona Beach .....	108.3	111.6	112.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3	8.3	8.4
Fort Lauderdale-Hollywood-Pompano Beach .....	452.3	466.1	473.0	.4	.4	.4	36.4	36.9	36.9
Fort Myers-Cape Coral .....	106.2	114.7	117.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.5	13.1	13.4
Gainesville .....	92.4	96.2	96.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.4	4.4
Jacksonville .....	384.6	398.1	400.7	.5	.4	.4	27.5	27.8	27.9
Lakeland-Winter Haven .....	139.4	143.4	145.1	4.7	4.8	4.8	8.2	9.5	9.5
Melbourne-Titusville-Palm Bay .....	137.4	143.9	144.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4	8.2	8.3
Miami-Hialeah .....	813.3	820.5	825.2	.9	.8	.9	39.1	38.5	38.3
Orlando .....	465.2	483.9	489.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	34.8	35.0	35.3
Pensacola .....	122.0	125.1	125.4	.3	.2	.2	10.4	10.6	10.4
Sarasota .....	99.3	102.9	104.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.1	10.0	10.1
Tallahassee .....	105.8	109.4	109.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.9	6.1	6.2
Tampa-St. Petersburg-Clearwater .....	781.2	795.4	799.7	.7	.6	.6	62.6	64.4	64.2
West Palm Beach-Boca Raton-Delray Beach .....	319.0	334.0	338.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	30.3	31.7	31.3

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Alabama</b> .....	356.0	363.7	363.7	71.3	71.5	71.4	331.6	336.3	341.2
Birmingham .....	52.7	53.3	53.2	27.5	28.2	28.2	100.0	101.6	103.9
Huntsville .....	30.6	31.3	31.6	2.6	2.7	2.7	23.2	23.8	24.3
Mobile .....	26.8	26.5	26.1	9.4	9.0	9.1	44.7	44.6	45.0
Montgomery .....	17.7	17.6	17.8	4.7	4.8	4.8	28.4	28.4	28.9
Tuscaloosa .....	9.1	9.4	9.4	2.0	2.2	2.2	12.2	12.5	12.6
<b>Alaska</b> .....	7.9	11.3	9.7	17.3	17.0	16.9	43.7	41.3	41.2
<b>Arizona</b> .....	185.5	186.5	187.0	69.5	71.6	72.5	340.0	340.9	344.9
Phoenix .....	133.1	135.5	136.0	46.6	48.6	49.0	233.0	232.0	234.0
Tucson .....	31.1	30.3	30.4	9.9	10.1	10.2	55.6	56.5	57.7
<b>Arkansas</b> .....	213.9	223.6	223.5	49.2	51.8	51.8	188.0	195.2	196.4
Fayetteville-Springdale .....	9.8	11.4	10.9	3.9	4.4	4.4	11.0	11.2	11.3
Fort Smith .....	25.2	26.8	27.1	3.6	3.7	3.7	15.9	15.0	15.2
Little Rock-North Little Rock .....	31.6	32.7	32.6	14.7	15.1	15.0	56.4	56.7	57.5
Pine Bluff .....	6.0	6.6	6.6	2.7	2.8	2.8	6.7	6.2	6.4
<b>California</b> .....	2,064.5	2,099.0	2,095.1	586.9	593.2	595.2	2,833.6	2,915.5	2,963.8
Anaheim-Santa Ana .....	244.5	249.8	250.5	34.7	35.7	35.9	274.5	290.7	296.0
Bakersfield .....	10.4	10.5	10.5	8.2	8.3	8.2	41.6	41.8	42.4
Fresno .....	20.8	21.7	21.6	10.8	11.0	10.9	52.1	54.5	55.3
Los Angeles-Long Beach .....	892.2	904.2	903.8	205.3	206.3	206.7	963.7	981.3	996.5
Modesto .....	20.5	23.2	22.5	4.3	4.3	4.4	25.8	27.6	28.2
Oakland .....	102.8	104.0	104.2	56.1	55.9	56.2	205.6	211.9	214.7
Oxnard-Ventura .....	29.5	30.3	30.5	9.8	10.3	10.5	50.7	51.8	53.1
Riverside-San Bernardino .....	75.8	81.2	81.3	31.4	32.4	32.4	148.1	156.1	159.4
Sacramento .....	37.3	40.0	39.6	24.2	25.0	25.2	132.6	140.0	141.0
Salinas-Seaside-Monterey .....	9.7	9.6	9.6	5.0	5.1	5.1	28.1	28.2	28.4
San Diego .....	120.6	120.9	121.3	32.5	33.4	33.7	208.0	214.3	218.7
San Francisco .....	78.5	76.7	78.3	81.2	79.3	79.6	225.6	225.5	230.9
San Jose .....	260.8	262.3	262.1	21.5	21.8	22.1	159.2	159.7	162.0
Santa Barbara-Santa Maria-Lompoc .....	23.6	21.9	21.7	5.4	5.1	5.1	35.1	36.1	36.3
Santa Rosa-Petaluma .....	18.2	18.3	18.3	5.6	6.0	6.0	32.5	33.5	33.9
Stockton .....	21.0	22.4	22.4	8.5	8.5	8.5	32.5	33.2	33.5
Vallejo-Fairfield-Napa .....	12.0	12.8	12.6	4.5	4.5	4.5	30.6	32.1	32.4
<b>Colorado</b> .....	184.1	185.2	185.7	86.1	89.7	90.5	351.6	351.5	357.5
Boulder-Longmont .....	28.6	28.5	26.7	2.3	2.2	2.2	23.4	23.7	23.7
Denver .....	95.7	94.2	93.9	64.1	65.8	66.9	206.3	206.6	208.6
<b>Connecticut</b> .....	395.7	389.1	389.5	71.2	73.6	73.9	377.9	388.1	394.4
Bridgeport-Milford .....	60.5	60.6	60.3	7.9	7.8	7.9	47.0	48.5	49.5
Hartford .....	94.0	95.3	95.4	17.4	17.9	18.2	101.6	104.8	106.8
New Britain .....	21.5	20.5	20.5	3.3	3.4	3.3	13.6	13.9	14.2
New Haven-Meriden .....	47.2	47.0	46.5	17.9	18.3	18.3	60.6	59.8	60.5
Stamford .....	25.4	24.0	23.9	4.9	5.1	5.1	31.0	30.9	31.8
Waterbury .....	25.6	23.8	24.0	3.3	3.2	3.2	16.8	16.3	16.9
<b>Delaware</b> .....	70.4	69.6	69.7	12.9	13.3	13.3	71.7	73.7	74.7
Wilmington .....	59.8	59.3	59.3	13.9	14.7	14.7	59.2	60.3	61.7
<b>District of Columbia</b> .....	15.6	15.9	15.9	24.4	24.8	24.8	85.3	86.3	87.3
Washington MSA .....	86.1	86.2	86.4	96.7	101.1	102.0	424.9	426.9	436.1
<b>Florida</b> .....	522.8	532.4	535.3	250.2	254.4	255.0	1,303.1	1,346.0	1,376.6
Daytona Beach .....	12.2	13.1	13.1	3.4	3.4	3.4	31.0	32.3	32.7
Fort Lauderdale-Hollywood-Pompano Beach .....	43.7	45.2	45.2	21.8	22.6	22.6	135.7	138.9	142.4
Fort Myers-Cape Coral .....	5.4	5.6	5.9	4.9	5.3	5.3	32.2	34.7	35.9
Gainesville .....	5.4	5.7	5.8	1.7	1.8	1.8	21.1	21.4	21.7
Jacksonville .....	37.6	39.1	39.6	27.6	28.2	28.2	104.7	108.0	109.6
Lakeland-Winter Haven .....	22.3	21.9	22.3	6.1	6.4	6.5	39.6	39.2	40.0
Melbourne-Titusville-Palm Bay .....	26.4	27.8	26.0	5.5	5.4	5.4	32.7	34.2	34.5
Miami-Hialeah .....	92.1	94.0	94.4	68.2	66.4	65.7	221.4	221.7	225.9
Orlando .....	53.5	53.7	53.6	24.6	25.8	26.2	122.1	125.0	127.9
Pensacola .....	11.1	11.5	11.5	6.4	6.2	6.4	31.7	32.2	32.7
Sarasota .....	6.3	6.9	9.0	3.6	3.6	3.8	29.4	29.6	30.4
Tallahassee .....	4.8	4.9	4.8	2.8	2.9	2.9	22.8	22.9	22.8
Tampa-St. Petersburg-Clearwater .....	89.4	90.3	90.0	37.2	37.6	37.8	219.4	217.2	220.5
West Palm Beach-Boca Raton-DeLray Beach .....	37.0	37.3	37.5	11.5	11.4	11.4	84.7	89.1	92.1

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	Finance, insurance, and real estate			Services			Government		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Alabama</b> .....	70.0	69.9	70.1	261.5	270.9	271.0	296.4	303.2	302.2
Birmingham .....	28.6	29.0	29.0	87.9	90.9	91.2	59.7	60.5	60.4
Huntsville .....	3.4	3.5	3.5	25.6	26.8	26.9	28.6	29.8	29.9
Mobile .....	7.6	7.2	7.2	33.1	34.4	34.2	27.9	28.2	28.3
Montgomery .....	7.3	7.3	7.3	24.2	24.4	24.5	31.2	31.8	32.0
Tuscaloosa .....	2.0	2.1	2.1	7.7	8.2	8.2	19.1	19.5	19.4
<b>Alaska</b> .....	12.3	11.2	11.2	42.8	40.7	41.0	67.9	66.6	66.4
<b>Arizona</b> .....	91.4	91.5	91.2	334.2	344.8	345.9	238.7	251.0	251.9
Phoenix .....	72.2	72.1	71.9	225.1	232.6	233.4	122.8	132.6	133.1
Tucson .....	12.5	12.7	12.6	61.5	64.4	64.6	50.6	52.3	52.7
<b>Arkansas</b> .....	37.4	38.1	38.1	147.6	154.9	154.5	149.6	150.2	150.2
Fayetteville-Springdale .....	1.5	1.4	1.4	6.4	6.9	6.9	10.9	11.0	10.8
Fort Smith .....	2.8	2.7	2.7	14.9	15.6	15.6	7.3	7.5	7.5
Little Rock-North Little Rock .....	15.5	15.5	15.6	51.1	53.1	53.3	46.1	46.5	46.2
Pine Bluff .....	1.6	1.7	1.7	5.7	5.9	5.9	7.2	7.6	7.3
<b>California</b> .....	779.1	797.0	799.4	2,808.8	2,936.4	2,946.3	1,872.9	1,924.9	1,922.9
Anaheim-Santa Ana .....	84.9	84.4	84.4	262.4	276.7	276.2	116.0	117.7	117.6
Bakersfield .....	6.4	6.2	6.2	30.9	31.9	32.1	38.5	41.2	41.5
Fresno .....	13.9	13.9	13.9	45.7	47.3	47.4	44.4	45.6	45.6
Los Angeles-Long Beach .....	279.4	287.4	288.6	1,022.7	1,059.2	1,061.2	494.6	504.1	505.0
Modesto .....	4.6	5.0	5.0	21.0	22.2	22.3	16.8	17.3	17.3
Oakland .....	53.3	55.5	55.7	178.4	187.1	187.9	160.7	165.6	164.6
Oxnard-Ventura .....	10.4	10.7	10.7	43.7	46.6	46.9	40.7	40.8	40.8
Riverside-San Bernardino .....	24.5	25.5	25.6	135.1	143.5	145.4	122.0	126.4	126.0
Sacramento .....	31.1	32.5	32.5	108.7	117.0	118.3	162.7	167.2	166.3
Salinas-Seaside-Monterey .....	5.0	5.4	5.3	25.4	26.5	26.5	26.8	26.8	26.7
San Diego .....	57.5	59.1	59.4	216.5	228.6	229.7	154.5	159.9	159.9
San Francisco .....	113.1	112.9	112.9	270.3	279.7	281.2	136.0	138.5	138.5
San Jose .....	33.1	32.8	32.9	185.2	192.1	193.1	84.2	87.3	87.6
Santa Barbara-Santa Maria-Lompoc .....	8.0	8.3	8.3	38.7	40.1	39.8	27.3	27.9	27.5
Santa Rosa-Petaluma .....	8.2	8.2	8.2	26.0	27.6	27.7	22.1	22.4	22.5
Stockton .....	8.2	8.3	8.2	28.3	26.9	28.9	29.6	30.5	30.4
Vallejo-Fairfield-Napa .....	4.7	4.8	4.8	26.6	29.1	29.2	36.8	37.6	37.7
<b>Colorado</b> .....	97.9	96.2	96.7	325.4	323.6	329.3	261.5	265.5	264.7
Boulder-Longmont .....	3.9	3.9	3.9	21.5	22.3	22.3	21.3	22.2	22.2
Denver .....	65.7	64.4	64.4	192.1	193.5	192.9	123.1	127.3	126.3
<b>Connecticut</b> .....	142.7	146.8	147.4	381.3	393.3	395.7	200.6	206.0	206.6
Bridgeport-Milford .....	11.0	11.8	11.9	44.5	46.4	45.3	18.3	18.6	18.7
Hartford .....	76.9	79.5	80.1	104.3	108.1	108.1	59.1	59.4	59.3
New Britain .....	3.9	4.5	4.6	13.1	13.9	14.0	6.7	6.9	6.9
New Haven-Meriden .....	14.9	15.4	15.5	66.9	69.0	69.5	31.1	32.1	32.2
Stamford .....	11.5	12.3	12.4	37.6	39.5	39.5	10.1	10.1	10.1
Waterbury .....	4.3	4.5	4.6	19.8	21.0	21.2	12.2	12.9	12.9
<b>Delaware</b> .....	24.0	25.3	25.2	68.6	72.2	73.0	46.8	47.8	47.5
Wilmington .....	22.0	23.4	23.5	61.2	64.2	64.8	37.6	38.1	38.0
<b>District of Columbia</b> .....	37.1	36.5	36.6	227.2	234.1	235.5	263.0	259.4	260.5
Washington MSA .....	117.5	121.2	121.4	629.3	646.9	649.1	559.8	565.9	568.5
<b>Florida</b> .....	349.5	359.3	359.9	1,240.8	1,293.9	1,305.4	720.9	758.3	762.0
Daytona Beach .....	6.5	6.5	6.6	29.1	29.0	28.9	17.8	19.0	19.1
Fort Lauderdale-Hollywood-Pompano Beach .....	37.5	38.4	38.5	121.1	125.2	128.0	55.7	58.5	59.0
Fort Myers-Cape Coral .....	8.3	8.8	8.9	27.7	30.5	30.9	15.1	16.4	16.7
Gainesville .....	4.0	4.1	4.1	20.7	21.6	21.6	35.1	37.1	37.2
Jacksonville .....	36.3	37.7	37.7	92.1	97.4	97.5	58.3	59.5	59.8
Lakeland-Winter Haven .....	8.0	8.2	8.1	31.2	33.8	34.2	19.1	19.6	19.7
Melbourne-Titusville-Palm Bay .....	5.2	5.4	5.4	39.0	41.9	42.0	20.1	20.9	21.0
Miami-Hialeah .....	69.2	69.6	69.6	216.1	219.5	219.6	106.3	110.0	110.8
Orlando .....	31.4	33.2	33.3	145.2	154.3	155.0	53.5	56.8	57.6
Pensacola .....	5.6	5.6	5.6	28.8	30.3	30.1	27.7	28.5	28.5
Sarasota .....	8.1	8.2	8.3	27.6	29.9	30.7	12.1	12.5	12.5
Tallahassee .....	4.4	4.5	4.5	20.3	21.6	21.5	44.7	46.3	46.7
Tampa-St. Petersburg-Clearwater .....	62.4	64.5	64.4	209.6	217.4	218.4	99.9	103.4	103.8
West Palm Beach-Boca Raton-Delray Beach .....	26.9	28.0	28.2	90.0	95.9	97.5	38.6	40.6	40.8

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	Total			Mining			Construction		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Georgia</b> .....	2,746.5	2,779.5	2,784.2	8.9	8.9	8.9	161.7	160.4	159.4
Albany .....	48.8	49.3	49.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.3
Athens .....	61.6	64.7	63.8	.1	.2	.2	2.5	2.7	2.7
Atlanta .....	1,377.5	1,395.1	1,399.0	1.7	1.8	1.8	82.9	78.9	77.0
Augusta .....	152.5	153.2	153.8	.5	.5	.5	8.6	8.9	9.0
Columbus .....	91.1	91.8	91.4	.1	.1	.1	5.1	5.4	5.4
Macon-Warner Robins .....	116.5	119.0	119.1	.1	.1	.1	5.0	5.1	5.1
Savannah .....	102.6	102.4	102.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	7.7	7.8
<b>Hawaii</b> .....	448.1	459.4	461.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.6	20.6	20.4
Honolulu .....	359.3	368.8	370.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.7	16.9	16.6
<b>Idaho</b> .....	339.1	343.2	341.6	2.5	2.5	2.4	14.0	15.1	13.9
Boise City .....	87.2	89.8	89.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.7	5.2	5.0
<b>Illinois</b> .....	4,843.9	4,934.2	4,932.9	24.4	24.4	24.0	181.9	192.5	182.4
Aurora-Elgin .....	134.2	139.7	140.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	6.2	6.0
Bloomington-Normal .....	53.9	55.6	55.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.4	1.3
Champaign-Urbana-Rantoul .....	82.9	84.3	83.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.2	2.2
Chicago .....	2,994.3	3,044.8	3,051.1	3.1	3.5	3.2	116.0	128.8	123.1
Davenport-Rock Island-Moline .....	149.6	154.3	153.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.9	4.6
Decatur .....	49.9	49.8	50.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.7	1.6
Joliet .....	94.8	94.8	94.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.5	4.5
Kankakee .....	32.8	33.0	33.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.2	1.2
Lake County .....	177.6	184.5	185.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.0	7.0	6.6
Peoria .....	131.2	133.3	133.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.7	5.3
Rockford .....	124.5	123.5	122.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	4.0	3.7
Springfield .....	94.3	94.1	93.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.5
<b>Indiana</b> .....	2,277.5	2,363.9	2,358.0	8.5	8.5	8.3	101.6	120.9	115.0
Anderson .....	48.9	48.1	47.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.3	1.6	1.5
Bloomington .....	51.2	54.4	53.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.8	2.3	2.1
Elkhart-Goshen .....	92.7	98.5	98.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.6	3.0	2.9
Evansville .....	124.9	126.2	125.8	2.3	2.2	2.2	8.3	8.4	8.2
Fort Wayne .....	178.8	188.0	188.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8.8	9.7	9.3
Gary-Hammond .....	207.3	219.6	219.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	11.5	12.5	11.9
Indianapolis .....	589.4	612.9	613.1	.8	.7	.7	29.6	34.0	32.9
Kokomo .....	44.8	45.8	46.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.1	1.3	1.2
Lafayette .....	62.8	65.1	64.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.1	3.0	2.8
Muncie .....	49.7	50.8	50.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.8	2.2	2.0
South Bend-Mishawaka .....	109.3	113.0	113.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.9	5.6	5.4
Terre Haute .....	53.2	53.1	52.9	.4	.4	.4	1.8	2.0	1.9
<b>Iowa</b> .....	1,092.0	1,130.5	1,125.4	1.8	2.0	1.9	34.8	41.3	36.7
Cedar Rapids .....	83.0	84.6	84.2	.1	.2	.1	3.1	3.5	3.0
Des Moines .....	199.8	209.3	209.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	8.4	7.4
Dubuque .....	38.4	43.6	43.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.3	1.2
Iowa City .....	49.9	52.0	51.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	2.0	1.9
Sioux City .....	49.3	51.7	51.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.9	1.7
Waterloo-Cedar Falls .....	56.9	63.9	63.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.6	1.4
<b>Kansas</b> .....	990.5	1,019.1	1,017.6	11.8	12.8	12.7	40.0	43.6	41.2
Lawrence .....	31.6	32.8	32.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.3	1.2
Topeka .....	84.5	85.9	86.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.9	3.8
Wichita .....	207.5	218.2	217.2	2.3	2.5	2.6	9.6	12.0	11.1
<b>Kentucky</b> .....	1,309.8	1,328.7	1,333.1	40.0	39.3	39.8	60.5	66.9	65.8
Lexington-Fayette .....	171.8	174.5	174.0	1.0	1.1	1.0	11.1	12.8	11.8
Louisville .....	429.6	441.0	442.7	.7	.6	.6	22.1	25.7	25.7
Owensboro .....	33.5	33.8	33.7	1.0	1.1	1.1	1.8	2.1	2.0
<b>Louisiana</b> .....	1,509.4	1,510.9	1,512.0	58.6	60.4	60.9	85.7	85.3	85.2
Alexandria .....	46.2	46.4	46.4	.2	.2	.2	2.6	2.5	2.5
Baton Rouge .....	214.3	216.1	216.3	1.0	.9	.9	20.0	20.9	21.4
Houma-Thibodaux .....	53.4	52.4	52.3	6.0	6.0	5.9	1.5	1.3	1.3
Lafayette .....	84.6	84.3	84.6	11.4	11.0	11.0	3.2	3.4	3.4
Lake Charles .....	56.8	58.9	59.2	1.3	1.3	1.3	5.0	4.7	4.9
Monroe .....	55.9	55.9	55.9	.5	.5	.5	3.0	2.5	2.5
New Orleans .....	116.3	510.6	511.6	16.2	16.0	15.8	23.9	22.4	22.2
Shreveport .....	132.3	131.9	130.8	3.2	3.0	3.1	6.9	7.8	7.4
<b>Maine</b> .....	486.7	509.8	512.2	.1	.1	.1	26.4	31.0	30.2
Lewiston-Auburn .....	38.3	39.1	39.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	2.1	2.0
Portland .....	119.1	124.3	125.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	8.2	8.2

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		
	Dec. 1988	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1988	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1988	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Georgia</b> .....	587.8	575.0	578.6	188.3	172.2	172.4	707.0	701.1	706.7
Albany .....	8.7	8.4	8.3	2.1	2.1	2.1	12.7	12.8	12.8
Athens .....	15.4	18.1	18.1	1.7	1.7	1.7	12.9	13.0	12.9
Atlanta .....	194.4	193.3	195.8	109.9	113.5	113.9	392.0	391.0	394.4
Augusta .....	38.3	37.1	37.2	5.1	5.0	5.1	33.4	33.3	33.5
Columbus .....	19.8	19.8	19.1	3.5	3.3	3.3	20.8	20.8	20.9
Macon-Warner Robins .....	18.9	19.9	19.8	5.1	5.1	5.1	25.7	25.4	25.6
Savannah .....	17.1	17.1	17.1	9.9	9.8	9.3	24.2	23.8	24.1
<b>Hawaii</b> .....	21.8	22.1	22.1	34.1	34.8	34.9	119.8	122.0	123.6
Honolulu .....	15.9	16.4	16.4	27.8	28.5	28.5	94.2	96.8	98.1
<b>Idaho</b> .....	53.5	55.1	54.2	18.6	18.9	18.9	86.2	84.7	86.8
Boise City .....	10.2	11.1	11.3	5.5	6.0	5.9	23.0	22.6	23.2
<b>Illinois</b> .....	922.2	934.6	935.0	279.2	289.2	288.3	1,225.0	1,251.6	1,260.5
Aurora-Elgin .....	35.6	37.0	37.0	4.8	5.4	5.4	37.7	38.0	38.8
Bloomington-Normal .....	4.4	5.2	5.3	2.9	3.0	3.0	12.5	12.5	12.8
Champaign-Urbana-Rantoul .....	7.5	7.6	7.6	2.1	1.9	1.9	19.1	19.4	19.4
Chicago .....	544.6	544.0	543.1	190.2	195.1	194.7	756.7	762.0	773.8
Davenport-Rock Island-Moline .....	29.2	33.0	33.0	8.1	8.3	8.3	42.3	42.4	42.3
Decatur .....	13.7	12.9	12.9	4.4	4.6	4.6	11.8	11.8	12.3
Joliet .....	19.7	19.6	19.6	8.4	8.4	8.4	22.7	22.7	22.8
Kankakee .....	5.5	5.3	5.3	1.5	1.5	1.5	8.2	8.2	8.2
Lake County .....	39.3	40.8	41.2	6.4	6.7	6.7	47.3	47.9	48.8
Peoria .....	30.6	32.1	32.2	6.5	6.6	6.6	33.5	33.6	33.6
Rockford .....	45.8	44.1	43.9	4.4	4.5	4.4	28.4	28.6	28.6
Springfield .....	3.8	3.9	3.9	4.7	4.8	4.8	19.4	19.5	19.5
<b>Indiana</b> .....	599.0	618.3	616.2	113.3	118.1	118.6	551.8	586.6	589.3
Anderson .....	18.3	16.9	16.7	1.4	1.4	1.4	11.0	11.2	11.3
Bloomington .....	8.3	9.0	8.9	1.7	1.7	1.7	11.9	12.8	12.8
Elkhart-Goshen .....	49.0	52.3	52.4	2.7	2.8	2.8	18.1	18.9	19.0
Evansville .....	30.8	30.2	29.7	8.5	8.5	8.5	31.7	32.4	32.7
Fort Wayne .....	48.9	50.5	50.6	11.5	12.0	12.0	44.2	47.3	47.9
Gary-Hammond .....	48.8	55.8	55.8	13.3	13.7	13.8	50.8	52.1	52.5
Indianapolis .....	106.7	108.7	106.1	35.5	37.1	37.2	153.3	158.1	159.5
Kokomo .....	19.7	19.3	19.5	1.4	1.4	1.5	9.7	10.2	10.3
Lafayette .....	11.3	11.8	11.7	1.6	1.7	1.7	12.9	13.0	13.2
Muncie .....	10.7	10.1	10.1	2.2	2.4	2.5	12.1	12.4	12.4
South Bend-Mishawaka .....	23.9	24.1	24.0	4.9	5.0	5.0	29.0	29.9	30.2
Terre Haute .....	10.6	10.0	10.0	2.7	2.6	2.6	14.2	14.2	14.3
<b>Iowa</b> .....	199.4	218.0	218.5	52.7	54.0	54.1	284.6	283.0	283.0
Cedar Rapids .....	22.5	23.5	23.6	4.2	4.2	4.2	20.4	20.6	20.8
Des Moines .....	21.7	23.6	23.8	11.9	12.3	12.3	52.2	53.2	53.8
Dubuque .....	8.5	12.3	12.2	1.8	1.8	1.8	9.6	10.4	10.3
Iowa City .....	3.9	4.2	4.2	1.2	1.4	1.4	9.3	9.2	9.2
Sioux City .....	9.8	9.2	9.0	3.4	4.0	4.0	12.6	13.0	13.0
Waterloo-Cedar Falls .....	9.3	14.6	14.8	1.8	1.8	1.8	14.4	14.7	14.8
<b>Kansas</b> .....	173.7	181.8	182.0	82.3	83.2	83.1	253.6	256.7	258.1
Lawrence .....	4.4	4.5	4.4	1.3	1.3	1.3	7.0	7.3	7.3
Topeka .....	9.0	8.9	9.2	8.7	6.5	6.4	19.2	19.7	19.8
Wichita .....	55.5	59.9	59.5	9.8	10.0	9.8	50.6	50.7	51.3
<b>Kentucky</b> .....	257.0	280.0	282.7	70.0	71.8	72.1	314.7	312.0	314.8
Lexington-Fayette .....	28.4	28.3	28.6	7.7	7.2	7.3	40.8	40.0	40.8
Louisville .....	88.8	84.8	86.6	26.1	27.9	27.9	106.5	107.4	107.7
Owensboro .....	5.9	8.2	6.3	2.3	2.3	2.3	8.4	8.0	7.9
<b>Louisiana</b> .....	168.3	171.7	171.1	105.9	108.8	106.4	389.8	381.8	385.5
Alexandria .....	3.4	3.3	3.3	2.4	2.4	2.4	11.1	11.1	11.3
Baton Rouge .....	19.0	19.3	19.2	10.4	10.4	10.4	52.7	53.3	53.8
Houma-Thibodaux .....	5.1	4.4	4.3	6.0	6.1	6.1	13.4	13.4	13.5
Lafayette .....	5.9	6.1	6.0	6.5	6.3	6.4	22.5	22.1	22.4
Lake Charles .....	8.8	10.9	11.0	3.8	3.7	3.7	14.2	14.0	14.1
Monroe .....	7.5	7.2	7.3	2.6	2.6	2.5	15.4	15.3	15.3
New Orleans .....	44.7	42.3	42.4	42.3	43.0	43.0	137.2	133.9	136.4
Shreveport .....	18.8	18.0	18.0	8.4	7.8	7.8	31.2	30.3	30.5
<b>Maine</b> .....	105.5	104.8	108.2	19.8	19.8	19.4	118.2	128.0	130.4
Lewiston-Auburn .....	9.8	9.8	9.8	1.3	1.4	1.4	9.4	9.5	9.8
Portland .....	18.6	15.7	16.0	6.0	6.3	6.2	38.1	37.0	37.5

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Georgia</b> .....	149.3	150.0	149.9	522.3	539.7	538.2	461.3	472.2	472.2
Albany .....	2.4	2.5	2.5	8.0	8.4	8.4	12.6	12.9	12.9
Athens .....	2.0	2.0	2.1	9.2	9.5	9.5	17.7	19.5	18.6
Atlanta .....	97.1	97.7	97.5	315.7	326.5	325.4	183.8	192.5	193.1
Augusta .....	5.8	5.9	5.8	29.6	28.9	29.0	33.2	33.6	33.8
Columbus .....	6.3	6.3	6.3	15.5	15.8	15.8	20.3	20.3	20.4
Macon-Warner Robins .....	7.5	7.7	7.7	20.2	21.3	21.3	34.1	34.3	34.4
Savannah .....	4.5	4.3	4.3	22.7	23.0	23.1	16.1	16.8	16.8
<b>Hawaii</b> .....	33.2	33.9	33.9	121.1	127.6	127.6	96.5	98.4	99.4
Honolulu .....	28.1	28.7	28.7	94.1	98.6	98.9	81.5	82.9	83.7
<b>Idaho</b> .....	23.9	24.1	24.0	67.7	68.4	68.1	72.7	74.4	73.5
Boise City .....	8.6	8.5	8.4	18.4	19.0	18.7	16.8	17.4	17.2
<b>Illinois</b> .....	349.5	354.2	355.2	1,132.2	1,159.2	1,156.6	729.5	728.5	730.9
Aurora-Elgin .....	6.9	6.9	6.9	28.8	30.8	30.7	14.8	15.3	15.5
Bloomington-Normal .....	9.2	9.4	9.4	11.4	11.3	11.3	12.2	12.8	12.3
Champaign-Urbana-Rantoul .....	3.3	3.2	3.2	14.3	14.7	14.6	34.4	35.3	34.7
Chicago .....	253.1	258.9	260.2	768.7	792.3	791.7	361.9	360.2	361.3
Davenport-Rock Island-Moline .....	8.0	8.1	8.1	30.4	30.0	30.0	27.2	27.6	27.2
Decatur .....	2.7	2.7	2.7	10.2	10.4	10.5	5.5	5.7	5.7
Joliet .....	3.9	3.9	3.8	19.1	19.0	19.1	16.3	16.5	16.5
Kankakee .....	1.6	1.6	1.6	8.1	8.2	8.2	6.7	7.0	7.0
Lake County .....	6.5	6.4	6.5	41.0	43.5	43.3	29.4	31.5	31.2
Peoria .....	7.0	7.1	7.2	32.2	32.2	32.3	16.1	16.0	16.0
Rockford .....	5.5	5.6	5.6	24.3	24.3	24.2	12.4	12.4	12.4
Springfield .....	7.9	7.8	7.8	23.9	23.0	22.9	32.0	32.3	32.4
<b>Indiana</b> .....	112.1	115.5	115.8	434.7	457.4	456.0	356.5	360.8	358.7
Anderson .....	1.6	1.6	1.6	9.4	9.7	9.7	5.9	5.9	5.9
Bloomington .....	1.8	1.8	1.8	7.6	8.2	8.1	18.3	18.6	18.3
Elkhart-Goshen .....	2.4	2.5	2.5	12.5	13.4	13.4	5.4	5.8	5.8
Evansville .....	5.0	5.1	5.2	28.3	29.2	29.1	12.0	12.2	12.1
Fort Wayne .....	11.8	12.1	12.1	35.8	38.2	38.0	17.8	18.3	18.3
Gary-Hammond .....	8.1	8.2	8.2	44.3	45.9	46.0	30.5	31.4	31.4
Indianapolis .....	43.5	45.4	45.6	130.7	139.7	139.8	89.3	91.1	91.3
Kokomo .....	1.4	1.4	1.4	5.9	6.4	6.4	5.6	5.8	5.8
Lafayette .....	3.0	3.0	3.0	11.0	11.4	11.4	20.9	21.4	21.0
Muncie .....	1.6	1.6	1.6	9.8	10.5	10.5	11.5	11.6	11.5
South Bend-Mishawaka .....	5.6	5.8	5.8	29.6	31.1	31.1	11.4	11.6	11.6
Terre Haute .....	1.8	1.9	1.9	10.9	11.1	10.9	10.8	11.0	10.9
<b>Iowa</b> .....	63.0	64.7	64.8	241.0	247.2	246.8	214.7	220.3	219.6
Cedar Rapids .....	4.6	4.4	4.4	18.0	18.3	18.2	10.1	9.9	9.9
Des Moines .....	26.0	27.7	27.8	50.7	53.4	53.5	30.1	30.6	30.7
Dubuque .....	1.4	1.5	1.5	12.5	13.0	12.9	3.6	3.5	3.4
Iowa City .....	1.5	1.8	1.8	7.5	7.8	7.7	25.0	25.4	25.3
Sioux City .....	2.5	2.5	2.6	12.8	14.6	14.9	6.5	6.4	6.5
Waterloo-Cedar Falls .....	3.2	3.3	3.3	14.1	14.5	14.4	12.6	13.4	13.2
<b>Kansas</b> .....	54.4	55.5	55.4	196.2	201.6	202.3	198.5	204.1	202.8
Lawrence .....	1.1	1.1	1.1	5.4	5.6	5.6	11.4	11.7	11.3
Topeka .....	6.0	6.4	6.3	19.0	19.7	19.7	20.7	20.7	20.8
Wichita .....	10.9	11.2	11.1	43.4	45.6	45.6	25.4	26.3	26.2
<b>Kentucky</b> .....	60.5	62.0	62.2	262.8	273.3	271.7	244.3	243.6	244.0
Lexington-Fayette .....	9.0	9.0	9.0	38.7	40.4	39.8	35.1	35.7	35.7
Louisville .....	27.9	29.1	29.1	99.3	103.6	103.1	60.2	61.9	62.0
Owensboro .....	1.4	1.4	1.4	7.5	7.8	7.8	5.2	4.9	4.9
<b>Louisiana</b> .....	84.7	83.3	83.4	315.6	322.7	320.2	322.8	318.9	319.3
Alexandria .....	2.6	2.6	2.7	11.0	11.4	11.3	12.9	12.9	12.7
Baton Rouge .....	13.4	13.3	13.2	41.3	42.3	42.1	56.5	55.7	55.5
Houma-Thibodaux .....	2.5	2.3	2.3	7.9	8.2	8.3	11.0	10.7	10.6
Lafayette .....	4.0	3.9	3.9	17.6	18.3	18.3	13.5	13.2	13.2
Lake Charles .....	2.7	2.8	2.8	10.5	10.8	10.7	10.7	10.7	10.7
Monroe .....	4.5	4.6	4.6	11.0	11.5	11.4	11.4	11.7	11.8
New Orleans .....	33.7	33.7	33.7	132.7	135.0	134.8	85.6	84.3	84.3
Shreveport .....	7.8	7.5	7.5	31.2	32.1	31.0	25.0	25.4	25.5
<b>Maine</b> .....	29.1	24.0	24.2	102.4	108.0	107.9	91.4	94.3	93.8
Lewiston-Auburn .....	2.2	2.2	2.2	9.9	10.1	10.0	4.0	4.0	4.1
Portland .....	11.1	12.1	12.1	27.6	29.6	29.7	15.4	15.4	15.5

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	Total			Mining			Construction		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Maryland</b> .....	1,998.6	2,006.0	2,011.9	1.7	1.7	1.7	143.9	144.3	143.7
Baltimore MSA .....	1,075.6	1,078.1	1,080.1	.2	.2	.2	67.8	69.8	68.6
Baltimore City .....	456.9	462.0	461.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	17.7	18.1	17.5
Suburban Maryland-D.C. ....	715.6	721.5	727.2	.4	.3	.3	62.0	61.9	61.1
<b>Massachusetts</b> .....	3,045.7	3,096.9	3,109.1	2.0	2.1	2.2	123.6	134.4	131.1
Boston .....	1,718.3	1,758.1	1,766.7	.9	1.0	1.0	65.2	70.6	70.0
Brockton .....	72.9	75.1	75.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.3	5.6	5.5
Fall River .....	56.9	58.6	59.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.2	3.1	3.1
Fitchburg-Leominster .....	40.7	41.3	41.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.2	2.3	2.3
Lawrence-Haverhill .....	160.7	163.4	164.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	8.7	9.4	9.5
Lowell .....	105.9	106.9	107.1	.2	.1	.1	4.9	5.8	5.4
New Bedford .....	67.2	67.9	68.1	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.0	3.7	3.8
Pittsfield .....	43.1	43.9	44.0	.1	.1	.1	1.9	2.3	2.2
Springfield .....	235.7	245.2	248.7	.2	.2	.2	8.8	10.3	9.9
Worcester .....	196.6	201.9	203.7	.1	.2	.2	8.9	9.9	9.6
<b>Michigan</b> .....	3,699.4	3,754.6	3,750.6	10.0	11.0	10.5	116.9	145.4	137.0
Ann Arbor .....	164.8	172.2	173.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.7	5.6	5.7
Battle Creek .....	55.8	56.5	56.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.4	1.8	1.7
Benton Harbor .....	62.8	65.0	64.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.4	1.6	1.4
Detroit .....	1,882.1	1,893.4	1,903.1	.9	.9	.9	63.3	74.5	71.5
Flint .....	179.6	173.9	174.1	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.3	5.3	5.1
Grand Rapids .....	305.9	313.9	314.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	14.4	16.7	16.0
Jackson .....	50.3	50.7	51.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.4	1.5	1.4
Kalamazoo .....	104.1	107.8	107.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.0	3.4	3.2
Lansing-East Lansing .....	203.2	206.5	206.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.3	5.2	4.7
Muskegon .....	56.1	58.8	57.1	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.1	2.0	1.9
Saginaw-Bay City-Midland .....	154.6	160.8	160.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	6.5	7.2	6.9
<b>Minnesota</b> .....	1,919.6	1,996.2	1,989.8	4.8	6.9	6.2	74.2	87.6	78.8
Duluth .....	82.8	85.6	85.1	2.5	4.3	4.2	3.5	4.0	3.8
Minneapolis-St. Paul .....	1,250.5	1,280.1	1,281.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	51.0	54.6	51.3
Rochester .....	56.4	57.9	58.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.6	2.4	1.8
St. Cloud .....	67.0	70.2	70.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.2	4.6	4.1
<b>Mississippi</b> .....	859.8	879.1	879.7	6.4	8.5	8.6	35.3	35.8	35.1
Jackson .....	173.4	177.5	177.6	1.2	1.4	1.4	8.4	8.7	8.5
<b>Missouri</b> .....	2,145.5	2,190.5	2,184.8	5.4	5.5	5.3	94.2	101.1	96.5
Kansas City .....	720.1	724.0	723.0	.5	.6	.6	34.6	36.1	35.1
St. Joseph .....	35.7	35.5	35.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.2	1.6	1.4
St. Louis .....	1,100.5	1,115.5	1,116.9	3.4	3.4	3.4	56.1	56.1	55.5
Springfield .....	104.6	107.8	107.4	.1	.1	.1	3.9	4.5	4.2
<b>Montana</b> .....	275.6	276.2	274.2	5.8	5.9	5.9	8.6	9.7	8.6
<b>Nebraska</b> .....	883.2	879.7	877.8	1.9	2.0	1.9	23.9	23.8	21.3
Lincoln .....	109.3	112.0	112.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.7	3.7	3.4
Omaha .....	293.8	301.8	300.7	.2	.2	.2	11.6	13.4	12.3
<b>Nevada</b> .....	481.4	511.2	512.6	6.6	7.5	7.6	27.8	32.2	31.8
Las Vegas .....	271.7	293.9	293.8	.3	.3	.3	16.6	19.0	19.2
Reno .....	129.2	134.8	134.2	.7	.8	.8	7.1	8.1	7.8
<b>New Hampshire</b> .....	499.6	517.2	521.9	.5	.6	.6	34.2	36.1	35.4
Nashua .....	88.9	92.9	94.2	.1	.1	.1	4.9	5.2	5.2
Portsmouth-Dover-Rochester,NH-ME .....	105.0	108.7	109.3	.1	.1	.1	5.5	5.4	5.2
<b>New Jersey</b> .....	3,549.7	3,633.3	3,637.0	2.2	2.3	2.3	160.5	181.7	180.3
Atlantic City .....	151.1	161.5	158.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	9.8	12.0	11.8
Bergen-Passaic .....	660.3	667.7	670.6	.1	.1	.1	30.1	32.6	31.6
Camden .....	418.7	430.5	432.4	.1	.1	.1	21.4	25.4	24.7
Jersey City .....	242.8	248.9	248.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	8.9	7.6	7.7
Middlesex-Somerset-Hunterdon .....	502.1	515.9	517.4	.6	.6	.6	22.9	23.0	23.0
Monmouth-Ocean .....	310.3	318.9	319.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	19.7	21.4	21.1
Newark .....	961.0	970.5	972.9	.7	.7	.7	37.3	41.2	40.9
Trenton .....	193.6	200.0	199.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.8	5.6	5.5
Vineland-Millville-Bridgeton .....	54.8	56.9	56.7	.3	.4	.4	2.4	2.6	2.6

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Maryland</b> .....	209.1	207.6	207.9	93.1	94.3	94.5	517.6	518.8	524.2
Baltimore MSA .....	132.3	131.8	132.4	55.2	55.6	55.1	269.9	267.6	269.8
Baltimore City .....	46.5	45.9	46.3	27.8	27.1	27.0	98.6	98.3	98.3
Suburban Maryland-D.C. ....	35.4	35.7	36.0	24.8	26.7	27.4	197.6	197.5	201.8
<b>Massachusetts</b> .....	615.6	607.4	605.0	126.9	130.0	130.5	729.2	732.8	744.0
Boston .....	294.4	290.3	287.6	73.8	74.9	75.3	395.5	401.6	410.6
Brockton .....	11.2	11.1	11.1	5.2	5.0	5.1	22.1	22.4	23.0
Fall River .....	17.5	16.6	16.8	1.9	2.0	2.0	15.2	16.2	16.4
Fitchburg-Leominster .....	13.5	13.1	13.0	1.5	1.5	1.5	10.5	10.9	11.0
Lawrence-Haverhill .....	52.6	50.8	50.7	6.8	7.0	7.1	36.3	38.5	39.2
Lowell .....	37.4	37.1	37.3	3.4	3.0	3.2	22.7	22.2	22.5
New Bedford .....	21.1	20.6	20.5	3.3	3.5	3.5	15.8	15.8	16.1
Pittsfield .....	12.1	11.3	11.2	1.0	1.2	1.2	11.5	11.4	11.7
Springfield .....	52.5	53.8	53.8	9.0	9.3	9.3	56.4	58.5	59.6
Worcester .....	45.4	45.9	46.0	8.5	8.2	8.2	49.7	51.5	52.8
<b>Michigan</b> .....	995.8	962.8	962.3	150.6	148.8	148.3	849.6	867.3	879.8
Ann Arbor .....	39.5	38.3	38.6	5.0	4.8	5.2	27.8	29.8	30.6
Battle Creek .....	15.0	15.4	15.6	1.8	1.8	1.8	11.0	10.9	11.1
Benton Harbor .....	21.5	21.5	21.6	2.5	2.5	2.5	12.1	13.0	13.0
Detroit .....	491.8	466.7	466.6	85.4	86.5	87.4	444.5	452.4	461.2
Flint .....	63.9	52.8	53.0	4.6	4.3	4.3	44.7	45.4	45.9
Grand Rapids .....	93.0	95.5	95.8	10.8	10.9	10.9	78.3	79.5	80.8
Jackson .....	12.8	13.1	13.1	4.1	3.9	3.9	11.5	11.4	11.7
Kalamazoo .....	29.3	29.5	29.6	3.4	3.4	3.5	23.7	24.6	24.9
Lansing-East Lansing .....	38.4	35.8	36.0	5.2	5.0	5.0	40.9	41.0	41.7
Muskegon .....	17.5	17.8	17.8	2.6	2.5	2.5	12.4	12.4	12.7
Saginaw-Bay City-Midland .....	45.3	45.9	45.0	7.3	7.2	7.2	36.0	37.2	37.8
<b>Minnesota</b> .....	367.4	376.1	376.6	98.2	101.3	100.7	483.1	493.8	498.3
Duluth .....	7.2	7.4	7.4	5.5	5.4	5.2	22.4	22.4	22.5
Minneapolis-St. Paul .....	250.6	252.2	252.2	66.8	68.6	68.9	312.8	315.6	321.1
Rochester .....	10.4	10.8	10.6	1.6	1.6	1.6	12.4	11.8	12.5
St. Cloud .....	11.3	11.5	12.0	3.6	3.5	3.6	20.7	21.8	22.0
<b>Mississippi</b> .....	221.8	227.7	227.4	39.8	40.5	40.0	189.2	191.1	193.4
Jackson .....	20.0	20.9	20.8	11.1	11.4	11.4	43.2	43.3	43.7
<b>Missouri</b> .....	416.6	416.0	416.5	141.7	143.8	144.2	514.0	517.6	519.6
Kansas City .....	118.3	111.7	112.4	54.8	55.4	55.3	182.0	182.7	183.6
St. Joseph .....	8.9	8.8	9.1	2.2	2.0	2.0	9.1	8.7	8.9
St. Louis .....	217.8	217.5	217.9	74.1	75.5	75.8	265.3	265.4	267.3
Springfield .....	19.9	20.5	20.5	6.4	6.8	6.9	28.7	29.3	29.3
<b>Montana</b> .....	21.5	21.7	21.5	19.9	19.8	19.8	72.8	72.5	72.9
<b>Nebraska</b> .....	86.0	85.6	85.5	43.6	46.2	45.9	172.8	177.9	178.8
Lincoln .....	12.9	13.4	13.5	6.0	6.0	5.9	25.8	25.9	26.0
Omaha .....	31.9	32.9	33.0	23.3	25.1	25.2	76.8	79.8	80.6
<b>Nevada</b> .....	22.7	24.0	24.0	27.3	28.1	28.0	99.5	104.0	105.6
Las Vegas .....	8.3	8.8	8.9	15.5	16.1	16.0	57.6	60.2	61.4
Reno .....	8.4	8.4	8.4	8.9	9.0	9.1	30.0	31.1	31.5
<b>New Hampshire</b> .....	117.7	120.9	121.6	17.5	17.7	17.7	127.7	130.9	133.8
Nashua .....	35.2	37.1	37.0	2.2	2.3	2.3	20.9	21.5	22.3
Portsmouth-Dover-Rochester,NH-ME .....	20.2	19.7	19.9	2.8	3.1	3.2	27.8	28.9	29.3
<b>New Jersey</b> .....	693.2	679.0	675.0	233.1	235.7	235.6	865.1	880.3	894.1
Atlantic City .....	8.4	8.5	8.4	5.9	5.9	5.9	29.8	32.2	31.4
Bergen-Passaic .....	161.8	159.0	157.8	29.1	29.2	29.8	193.7	193.5	197.1
Camden .....	76.1	73.9	73.8	17.5	17.6	17.5	112.5	114.4	116.6
Jersey City .....	52.9	52.7	51.5	30.9	30.7	30.3	59.4	61.8	62.8
Middlesex-Somerset-Hunterdon .....	112.0	115.7	115.6	40.3	41.1	41.0	123.5	124.7	126.3
Monmouth-Ocean .....	30.3	29.9	30.1	15.9	16.3	16.3	88.4	88.3	89.6
Newark .....	188.8	185.0	184.8	80.9	80.0	79.6	200.9	203.0	206.2
Trenton .....	32.2	32.1	32.0	6.3	6.6	6.6	32.2	32.4	33.2
Vineland-Millville-Bridgeton .....	15.2	15.1	14.7	2.1	2.1	2.1	10.9	11.9	12.1

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	Finance, insurance, and real estate			Services			Government		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Maryland</b> .....	120.1	121.2	121.3	513.3	525.5	525.7	399.8	392.5	393.0
Baltimore MSA .....	73.6	74.5	74.5	269.1	271.6	272.2	207.5	207.0	207.3
Baltimore City .....	46.0	45.9	45.8	133.3	139.3	139.1	87.0	87.3	87.5
Suburban Maryland-D.C. ....	39.0	40.2	40.2	199.8	203.5	204.0	156.6	155.6	156.4
<b>Massachusetts</b> .....	208.7	215.0	216.2	844.0	879.8	880.9	395.7	395.4	399.2
Boston .....	143.0	148.8	149.5	547.6	569.0	570.1	197.9	201.9	202.6
Brockton .....	3.0	3.2	3.2	14.9	15.4	15.5	12.2	12.4	12.4
Fall River .....	2.8	3.0	3.0	10.7	11.1	11.3	6.6	6.6	6.6
Fitchburg-Leominster .....	1.6	1.6	1.6	6.9	7.4	7.4	4.5	4.5	4.5
Lawrence-Haverhill .....	6.0	6.5	6.5	31.3	31.9	31.9	19.0	19.3	19.4
Lowell .....	4.2	4.3	4.3	20.0	21.2	21.2	13.1	13.1	13.1
New Bedford .....	2.6	2.6	2.6	12.0	12.2	12.2	9.4	9.5	9.6
Pittsfield .....	2.1	2.2	2.2	9.7	10.7	10.7	4.7	4.7	4.7
Springfield .....	15.6	16.6	16.6	55.6	58.0	58.5	37.6	38.5	38.8
Worcester .....	12.7	13.1	13.3	47.8	48.6	48.9	23.5	24.5	24.7
<b>Michigan</b> .....	174.1	178.5	183.3	795.1	806.1	803.4	607.3	634.6	626.1
Ann Arbor .....	4.4	4.8	4.8	32.3	34.7	35.2	51.0	53.9	53.8
Battle Creek .....	3.7	3.1	3.1	11.5	11.8	11.9	11.5	11.7	11.7
Benton Harbor .....	2.4	2.6	2.6	14.2	15.0	14.6	8.7	8.7	8.7
Detroit .....	101.0	100.5	105.0	453.4	462.4	462.3	241.9	249.6	248.3
Flint .....	6.3	6.7	6.7	31.9	33.5	33.4	22.8	25.8	25.6
Grand Rapids .....	13.6	13.6	13.6	64.3	65.2	65.4	31.2	32.1	31.8
Jackson .....	1.6	1.5	1.5	9.5	9.4	9.4	9.2	9.8	9.7
Kalamazoo .....	4.6	5.1	5.1	22.8	23.5	23.4	17.3	18.0	18.0
Lansing-East Lansing .....	11.1	12.1	12.1	36.2	37.7	37.5	65.9	69.3	69.0
Muskegon .....	1.4	1.3	1.3	11.2	11.7	11.8	8.8	9.1	9.0
Saginaw-Bay City-Midland .....	6.0	6.1	6.3	31.3	33.3	33.2	21.9	23.7	23.9
<b>Minnesota</b> .....	118.4	122.1	123.0	455.2	478.0	479.0	318.3	330.4	327.1
Duluth .....	3.2	3.1	3.1	19.9	20.2	20.2	18.6	18.8	18.6
Minneapolis-St. Paul .....	91.4	94.8	95.4	307.8	319.0	319.3	169.4	174.4	172.4
Rochester .....	1.7	1.5	1.5	22.7	23.7	23.8	6.2	6.1	6.2
St. Cloud .....	2.4	2.5	2.5	13.5	13.7	13.7	12.2	12.6	12.4
<b>Mississippi</b> .....	37.8	38.9	39.0	135.6	140.0	139.6	193.8	196.6	198.7
Jackson .....	13.8	14.2	14.2	36.8	38.3	38.2	38.9	39.5	39.5
<b>Missouri</b> .....	132.6	135.0	135.1	492.8	513.9	509.8	348.2	357.6	357.8
Kansas City .....	56.9	56.8	56.7	162.7	166.7	166.1	110.3	114.0	113.2
St. Joseph .....	1.9	1.9	1.9	6.6	6.5	6.4	5.8	6.0	6.0
St. Louis .....	71.8	72.6	72.5	276.3	285.4	285.0	135.7	139.6	139.5
Springfield .....	5.1	5.1	5.2	26.7	27.5	27.2	13.8	14.0	14.0
<b>Montana</b> .....	12.9	12.9	12.6	62.7	63.5	63.6	71.4	70.2	69.3
<b>Nebraska</b> .....	47.9	48.6	48.5	148.1	150.5	150.0	139.0	145.1	145.9
Lincoln .....	7.7	6.0	8.0	22.5	24.2	24.2	30.7	30.8	31.0
Omaha .....	29.1	30.2	30.1	77.1	76.4	75.8	43.8	43.8	43.5
<b>Nevada</b> .....	23.3	24.5	24.6	210.2	224.4	224.2	64.0	66.5	66.8
Las Vegas .....	13.9	14.8	14.9	127.2	140.8	139.0	32.3	33.9	34.1
Reno .....	6.9	7.2	7.2	50.8	53.4	52.5	16.4	16.8	16.9
<b>New Hampshire</b> .....	29.7	31.4	31.7	108.2	114.3	115.4	64.1	65.3	65.7
Nashua .....	3.3	3.7	3.7	16.1	16.3	16.7	6.2	6.7	6.9
Portsmouth-Dover-Rochester,NH-ME .....	6.0	6.6	6.7	17.9	19.5	19.5	24.7	25.4	25.4
<b>New Jersey</b> .....	212.6	222.9	223.3	838.4	880.5	875.7	544.6	550.9	550.7
Atlantic City .....	6.7	7.0	6.9	65.0	70.8	69.2	25.4	25.0	25.1
Bergen-Passaic .....	34.9	37.8	37.9	142.8	148.4	148.8	67.6	67.1	67.5
Camden .....	22.4	24.0	24.1	95.0	99.3	99.5	73.7	75.8	76.1
Jersey City .....	10.2	11.1	11.1	41.9	44.2	44.2	40.6	40.8	40.9
Middlesex-Somerset-Hunterdon .....	33.1	33.5	33.7	97.3	103.0	103.0	72.4	74.3	74.2
Monmouth-Ocean .....	16.8	17.5	17.6	78.4	83.5	82.8	60.7	61.9	61.9
Newark .....	74.2	77.0	77.0	242.6	247.5	247.9	135.6	136.1	135.8
Trenton .....	8.9	9.3	9.3	55.5	58.3	58.0	53.7	55.7	55.2
Vineland-Milville-Bridgeton .....	2.8	2.9	2.9	9.7	10.3	10.3	11.4	11.6	11.6

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1988	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>New Mexico</b> .....	535.3	539.7	542.1	14.7	15.7	15.8	34.2	33.6	32.4
Albuquerque .....	230.5	234.0	235.2	.2	.2	.2	16.8	16.7	16.2
Las Cruces .....	42.6	40.5	40.3	.1	.1	.1	2.5	2.7	2.6
Santa Fe .....	53.8	54.7	55.0	.1	.1	.1	3.2	3.2	3.1
<b>New York</b> .....	8,074.3	8,254.2	8,272.9	5.8	6.3	6.0	319.5	358.6	346.4
Albany-Schenectady-Troy .....	398.3	410.1	409.6	.2	.3	.2	17.8	21.3	20.3
Binghamton .....	119.2	122.8	123.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	6.0	5.5
Buffalo .....	430.2	443.8	442.7	.4	.4	.4	14.4	18.0	18.2
Elmira .....	37.1	39.6	39.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.9	1.7
Glens Falls .....	44.5	46.3	46.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.6	2.5
Nassau-Suffolk .....	1,132.5	1,145.6	1,150.6	.2	.2	.2	57.8	61.3	60.6
New York PMSA .....	4,130.4	4,180.0	4,194.7	1.3	1.2	1.2	149.3	159.2	158.0
New York City .....	3,602.7	3,644.4	3,657.8	.7	.6	.6	115.9	122.5	122.0
Niagara Falls .....	79.0	81.5	80.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	3.6	3.2
Orange County .....	98.0	101.3	101.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	5.4	5.3
Poughkeepsie .....	117.2	120.2	120.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.3	6.6	6.5
Rochester .....	460.1	471.4	469.6	.9	.8	.8	16.5	18.9	17.7
Rockland County .....	97.5	98.8	99.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.0	5.4	5.4
Syracuse .....	298.7	303.4	302.6	.2	.2	.2	14.8	16.7	16.1
Utica-Rome .....	120.1	122.6	122.0	.1	.2	.2	3.2	4.4	3.6
Westchester County .....	412.9	418.8	419.6	.3	.3	.3	27.0	29.5	28.9
<b>North Carolina</b> .....	2,796.8	2,890.6	2,897.1	4.7	4.9	5.0	160.2	171.0	171.0
Asheville .....	76.4	78.2	78.2	.1	.1	.1	3.8	3.8	3.8
Charlotte-Gastonia-Rock Hill .....	554.6	576.5	580.3	.3	.3	.3	31.2	34.9	35.3
Greensboro-Winston-Salem-High Point .....	454.0	463.9	465.4	.3	.3	.3	23.6	24.7	24.3
Raleigh-Durham .....	379.0	384.4	385.9	.3	.4	.4	24.1	24.7	24.5
<b>North Dakota</b> .....	249.7	255.5	254.5	4.1	4.2	4.1	9.1	11.4	9.4
Bismarck .....	36.4	36.8	37.0	.2	.2	.2	1.4	1.8	1.4
Fargo-Moorhead .....	70.3	72.6	72.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.7	3.2
Grand Forks .....	29.4	30.1	30.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.7	1.4
<b>Ohio</b> .....	4,589.4	4,675.8	4,678.4	21.8	20.3	20.1	183.1	190.7	180.2
Akron .....	266.4	272.2	272.5	.7	.7	.7	8.9	10.9	10.0
Canton .....	154.4	157.7	157.8	1.1	1.1	1.1	5.8	7.3	6.9
Cincinnati .....	669.1	692.2	694.1	.3	.5	.5	27.7	31.8	30.5
Cleveland .....	896.5	917.5	919.9	1.1	1.1	1.0	25.1	28.7	27.1
Columbus .....	650.5	674.3	675.7	.9	1.0	1.0	25.1	29.4	28.4
Dayton-Springfield .....	432.1	440.7	440.3	.4	.5	.4	16.0	19.9	18.9
Toledo .....	283.4	293.1	293.7	.2	.2	.2	10.1	12.1	11.5
Youngstown-Warren .....	192.5	195.8	195.5	.8	.8	.5	6.8	6.8	8.2
<b>Oklahoma</b> .....	1,142.8	1,132.8	1,133.1	53.1	54.4	54.4	39.7	39.0	38.1
Enid .....	21.9	21.5	21.7	1.2	1.2	1.3	.8	.8	.8
Lawton .....	33.1	33.0	33.2	.2	.1	.1	1.3	1.2	1.2
Oklahoma City .....	408.1	404.0	403.6	12.3	11.8	11.8	13.8	14.6	14.2
Tulsa .....	301.3	300.9	301.8	17.4	17.3	17.3	12.3	11.9	11.5
<b>Oregon</b> .....	1,072.8	1,121.9	1,118.3	1.3	1.4	1.3	31.0	36.5	34.8
Eugene-Springfield .....	101.1	105.7	104.2	.2	.2	.1	2.8	3.6	3.3
Portland .....	535.1	564.1	566.4	.5	.5	.5	17.8	19.9	19.1
Salem .....	89.6	96.1	93.5	.1	.1	.1	2.5	2.8	2.7
<b>Pennsylvania</b> .....	4,876.5	5,028.2	5,031.2	32.1	31.5	30.9	206.7	236.9	225.5
Allentown-Bethlehem .....	267.4	273.1	273.0	.5	.5	.5	11.6	13.4	13.0
Altoona .....	49.9	51.2	51.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.8	2.9	2.7
Beaver County .....	50.3	50.9	50.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.0	4.2	4.0
Erie .....	111.1	113.0	112.5	.3	.3	.3	3.3	3.9	3.4
Harrisburg-Lebanon-Carlisle .....	289.4	297.8	298.1	.4	.4	.4	11.3	12.3	11.9
Johnstown .....	78.5	79.0	78.8	3.8	3.7	3.7	2.6	3.2	2.9
Lancaster .....	177.0	183.4	183.9	.4	.4	.4	8.4	11.1	11.0
Philadelphia PMSA .....	2,152.8	2,210.3	2,221.3	1.1	1.3	1.2	99.2	110.8	109.9
Philadelphia City .....	778.9	794.1	797.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	18.9	19.7	19.3
Pittsburgh .....	852.0	872.0	866.8	6.7	7.2	7.1	40.2	43.8	40.9

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>New Mexico</b> .....	37.8	40.0	39.5	29.6	29.3	29.3	131.5	132.5	134.9
Albuquerque .....	19.6	19.9	19.8	12.7	12.6	12.7	60.3	61.7	62.8
Las Cruces .....	3.7	3.8	3.7	1.3	1.3	1.3	8.2	8.1	8.3
Santa Fe .....	1.6	1.7	1.7	1.2	1.1	1.1	10.7	11.4	11.6
<b>New York</b> .....	1,235.0	1,226.3	1,218.8	411.2	413.6	413.6	1,753.8	1,752.3	1,782.4
Albany-Schenectady-Troy .....	48.8	47.7	47.2	16.8	16.6	16.6	88.7	90.3	91.9
Binghamton .....	37.3	37.5	37.8	4.1	4.3	4.3	26.1	27.3	28.0
Buffalo .....	76.1	76.4	76.3	22.0	22.3	22.4	110.2	112.2	113.0
Elmira .....	7.0	8.0	8.1	1.3	1.2	1.2	10.5	11.0	11.1
Glens Falls .....	10.3	10.5	10.4	1.3	1.3	1.4	10.5	11.1	11.4
Nassau-Suffolk .....	181.2	176.4	176.5	47.8	50.1	50.0	315.0	312.2	317.8
New York PMSA .....	469.6	471.7	464.7	245.2	244.6	244.7	790.4	781.2	795.2
New York City .....	384.3	386.0	379.2	219.6	218.7	218.6	659.7	651.1	663.0
Niagara Falls .....	24.2	23.7	23.5	3.6	3.9	3.9	18.0	19.0	19.2
Orange County .....	14.9	15.1	14.9	5.8	5.8	5.8	26.7	27.2	27.5
Poughkeepsie .....	31.6	30.1	30.3	3.4	3.3	3.4	22.1	25.1	25.5
Rochester .....	135.3	135.1	134.0	14.0	14.2	14.1	100.8	101.7	103.2
Rockland County .....	15.9	15.5	15.4	4.2	4.2	4.2	23.8	24.2	24.8
Syracuse .....	53.9	52.1	52.1	17.2	17.1	17.1	72.4	73.8	74.5
Utica-Rome .....	24.0	24.1	24.0	4.8	5.0	5.0	27.2	26.9	27.1
Westchester County .....	67.6	68.4	68.3	20.8	21.1	21.2	102.5	101.6	103.1
<b>North Carolina</b> .....	836.6	862.5	863.5	135.7	137.0	137.5	633.8	650.0	658.8
Asheville .....	20.0	20.2	20.3	3.6	3.7	3.7	17.8	17.6	17.9
Charlotte-Gastonia-Rock Hill .....	148.6	154.0	154.9	47.5	49.8	49.8	134.3	136.1	138.6
Greensboro-Winston-Salem-High Point .....	151.8	152.1	152.5	25.0	26.0	26.1	102.9	105.9	107.2
Raleigh-Durham .....	58.6	58.1	58.9	16.3	18.2	18.2	79.1	80.4	81.6
<b>North Dakota</b> .....	15.4	15.9	15.7	15.8	16.4	16.4	67.6	68.3	69.0
Bismarck .....	1.9	1.9	1.9	2.7	2.7	2.7	9.9	9.9	10.1
Fargo-Moorhead .....	4.8	4.9	4.7	4.3	4.4	4.4	20.9	21.3	21.5
Grand Forks .....	1.4	1.5	1.6	1.5	1.5	1.5	8.3	8.4	8.4
<b>Ohio</b> .....	1,106.3	1,096.2	1,097.2	211.5	212.9	212.8	1,114.2	1,129.8	1,144.2
Akron .....	67.0	65.4	65.2	13.2	13.6	13.6	67.1	67.8	68.7
Canton .....	42.8	42.5	42.6	6.0	6.1	6.1	40.0	40.9	41.4
Cincinnati .....	148.6	146.1	146.2	34.5	35.3	35.3	173.7	179.5	181.6
Cleveland .....	205.4	206.5	206.6	42.5	41.9	42.1	222.1	223.2	227.0
Columbus .....	105.9	102.4	102.0	28.4	29.9	30.1	164.8	168.8	171.1
Dayton-Springfield .....	106.5	104.1	104.0	15.2	15.0	15.0	99.5	100.5	102.1
Toledo .....	63.0	62.5	62.7	14.5	14.9	14.9	70.4	71.9	73.0
Youngstown-Warren .....	52.2	51.6	51.2	8.2	8.1	8.2	48.0	48.8	49.4
<b>Oklahoma</b> .....	159.5	159.9	159.6	63.4	61.6	61.6	283.9	274.8	276.6
Enid .....	1.5	1.6	1.6	2.2	2.0	2.0	6.3	6.1	6.1
Lawton .....	3.3	3.3	3.3	1.4	1.1	1.1	8.8	8.6	8.7
Oklahoma City .....	49.2	48.5	48.3	20.1	19.5	19.6	101.3	98.3	98.8
Tulsa .....	50.8	50.2	50.3	22.8	22.7	22.8	74.2	74.2	75.1
<b>Oregon</b> .....	192.7	204.4	201.1	58.6	58.3	59.6	278.3	288.5	292.1
Eugene-Springfield .....	18.3	19.1	18.7	4.1	4.1	4.2	26.2	26.9	26.9
Portland .....	87.9	93.7	94.5	33.2	34.4	35.1	145.7	151.1	153.3
Salem .....	11.2	13.6	11.7	2.6	2.5	2.6	21.4	22.4	22.4
<b>Pennsylvania</b> .....	1,035.7	1,046.8	1,046.7	244.6	248.3	248.7	1,146.4	1,178.8	1,195.1
Allentown-Bethlehem .....	77.0	75.3	75.2	14.4	14.3	14.1	61.8	62.9	63.9
Alltoona .....	10.8	11.1	11.1	4.9	4.9	4.9	12.9	13.2	13.3
Beaver County .....	9.7	9.7	9.8	5.2	5.1	5.1	11.3	11.5	11.4
Erie .....	34.7	34.5	34.6	4.0	4.0	3.9	24.6	24.7	25.0
Harrisburg-Lebanon-Carlisle .....	51.0	52.3	52.5	18.3	18.9	18.8	87.0	88.8	89.4
Johnstown .....	12.6	13.0	12.6	5.0	4.9	4.9	16.4	16.6	16.5
Lancaster .....	59.4	59.2	59.1	7.2	7.3	7.1	43.1	45.0	45.6
Philadelphia PMSA .....	381.0	382.7	382.7	98.6	97.8	98.3	513.1	527.6	534.6
Philadelphia City .....	99.4	98.7	98.9	45.8	46.4	46.1	155.2	158.0	157.7
Pittsburgh .....	125.6	128.1	128.2	44.9	43.1	42.0	222.3	225.2	224.9

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>New Mexico</b> .....	27.0	27.3	27.4	118.5	121.5	122.6	142.0	139.8	140.2
Albuquerque .....	14.5	15.0	15.1	61.7	63.3	63.6	44.7	44.6	44.8
Las Cruces .....	1.6	1.6	1.6	6.2	6.3	6.4	19.0	16.6	16.3
Santa Fe .....	2.1	2.1	2.1	13.3	14.0	14.1	21.6	21.1	21.2
<b>New York</b> .....	765.0	793.3	795.3	2,176.2	2,260.8	2,263.6	1,407.9	1,442.9	1,446.8
Albany-Schenectady-Troy .....	21.6	22.5	22.5	95.0	99.8	99.6	109.6	111.5	111.2
Binghamton .....	3.9	3.8	3.8	21.2	22.3	22.1	21.5	21.5	21.6
Buffalo .....	25.1	25.9	25.9	108.6	113.2	112.8	73.3	75.4	75.8
Elmira .....	1.2	1.2	1.2	9.0	9.7	9.7	6.6	6.7	6.5
Glens Falls .....	1.9	1.9	1.9	9.0	9.3	9.2	9.2	9.3	9.2
Nassau-Suffolk .....	72.9	75.8	76.3	275.9	286.2	285.3	181.8	183.5	183.9
New York PMSA .....	563.0	578.1	579.4	1,247.1	1,273.9	1,279.1	664.5	670.0	672.3
New York City .....	532.5	546.6	547.7	1,107.0	1,131.0	1,138.7	583.0	588.0	590.0
Niagara Falls .....	1.8	1.8	1.8	16.2	16.8	16.7	12.3	12.5	12.4
Orange County .....	4.1	4.1	4.1	20.3	21.1	21.0	21.9	22.7	22.4
Poughkeepsie .....	4.2	4.5	4.5	25.5	26.1	26.0	24.1	24.5	24.5
Rochester .....	20.9	21.5	21.4	106.9	112.9	111.8	64.6	66.4	66.5
Rockland County .....	3.8	4.3	4.3	23.2	23.7	23.6	21.5	21.6	21.6
Syracuse .....	19.0	19.2	19.3	70.5	73.0	72.0	50.8	51.3	51.3
Utica-Rome .....	6.4	6.8	6.8	24.9	25.6	25.6	29.5	29.7	29.6
Westchester County .....	26.2	26.6	26.8	112.3	114.6	114.1	56.3	56.7	57.0
<b>North Carolina</b> .....	121.8	129.2	129.4	461.7	484.0	482.4	442.4	452.1	449.5
Asheville .....	2.7	2.7	2.7	15.9	17.0	16.6	12.4	13.1	13.0
Charlotte-Gastonia-Rock Hill .....	33.5	34.7	34.9	97.3	104.0	104.0	61.8	62.6	62.6
Greensboro-Winston-Salem-High Point .....	21.8	22.4	22.5	75.8	78.3	78.2	52.7	54.1	54.1
Raleigh-Durham .....	22.6	23.9	23.9	88.7	90.9	90.4	87.2	87.9	88.0
<b>North Dakota</b> .....	12.5	12.5	12.5	59.4	61.6	61.7	65.8	65.2	65.7
Bismarck .....	1.6	1.6	1.6	10.3	10.5	10.6	8.4	8.4	8.5
Fargo-Moorhead .....	4.3	4.5	4.5	18.8	19.4	19.4	14.2	14.4	14.4
Grand Forks .....	1.2	1.2	1.3	6.3	6.5	6.5	9.4	9.3	9.5
<b>Ohio</b> .....	237.1	245.7	246.6	1,017.4	1,070.4	1,068.0	698.0	707.8	709.3
Akron .....	10.3	10.5	10.5	55.2	58.7	58.9	44.0	44.7	45.0
Canton .....	6.5	6.5	6.5	33.7	34.8	34.7	18.4	18.6	18.6
Cincinnati .....	39.0	41.0	41.2	157.5	168.5	168.9	87.7	89.5	89.9
Cleveland .....	53.4	55.5	55.6	229.2	241.7	240.9	117.8	119.0	119.5
Columbus .....	55.1	57.6	57.8	149.8	162.6	162.3	120.5	122.5	123.1
Dayton-Springfield .....	17.7	17.8	17.8	102.9	109.1	108.2	73.8	73.8	73.8
Toledo .....	11.4	11.7	11.7	70.9	76.1	75.9	42.8	43.7	43.7
Youngstown-Warren .....	8.2	8.4	8.4	43.5	44.6	44.3	25.0	25.0	25.2
<b>Oklahoma</b> .....	62.4	60.6	60.5	224.7	227.7	227.5	256.1	254.8	254.8
Enid .....	1.0	.9	.9	5.2	5.4	5.4	3.7	3.5	3.6
Lawton .....	1.5	1.5	1.5	5.3	5.7	5.7	11.3	11.5	11.6
Oklahoma City .....	25.8	25.5	25.2	86.3	88.7	88.4	99.3	97.3	97.3
Tulsa .....	17.3	17.4	17.2	69.3	71.5	71.1	37.2	35.7	36.3
<b>Oregon</b> .....	71.3	72.7	72.4	235.0	247.7	248.5	204.6	212.4	208.5
Eugene-Springfield .....	4.6	4.5	4.5	22.0	23.6	23.5	22.9	23.7	23.0
Portland .....	43.6	45.4	45.7	130.0	139.3	139.6	76.4	79.8	78.6
Salem .....	5.4	5.5	5.5	18.4	19.2	19.2	28.0	30.0	29.3
<b>Pennsylvania</b> .....	282.3	287.9	288.1	1,241.4	1,295.3	1,296.6	687.3	702.7	699.6
Allentown-Bethlehem .....	10.4	11.0	11.0	61.8	65.1	64.9	30.1	30.6	30.4
Altoona .....	1.5	1.6	1.6	10.1	10.2	10.5	7.1	7.3	7.1
Beaver County .....	1.7	1.7	1.7	10.7	11.2	11.0	7.7	7.5	7.6
Erie .....	5.1	5.3	5.2	25.5	26.3	26.3	13.6	14.0	13.8
Harrisburg-Lebanon-Carlisle .....	16.1	16.8	16.9	59.2	60.9	60.9	66.1	67.2	67.3
Johnstown .....	4.9	5.1	5.2	18.9	19.6	19.9	12.3	12.9	12.7
Lancaster .....	6.6	6.9	7.1	35.2	37.2	37.1	15.7	16.3	16.5
Philadelphia PMSA .....	156.1	157.9	157.0	603.1	630.1	633.3	300.4	302.1	304.3
Philadelphia City .....	70.4	71.5	71.8	249.8	259.0	259.6	139.4	142.8	143.7
Pittsburgh .....	52.1	52.5	52.6	256.3	265.2	265.2	103.9	106.9	105.9

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	148.3	152.6	153.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.9	6.9	6.5
Scranton—Wilkes-Barre .....	284.2	290.7	290.1	0.8	0.8	0.8	11.0	12.2	11.4
Sharon .....	40.6	42.8	42.3	.2	.2	.1	1.2	1.6	1.3
State College .....	51.5	54.7	53.6	.2	.2	.2	1.6	2.2	2.0
Williamsport .....	48.0	51.1	51.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.6	2.1	1.9
York .....	166.8	173.9	173.3	.4	.4	.4	6.7	10.1	10.0
<b>Rhode Island</b>									
Pawtucket—Woonsocket—Attleboro .....	452.2	458.4	454.6	.2	.2	.2	17.8	19.2	18.6
Providence .....	133.3	135.7	135.1	.1	.1	.1	3.9	4.7	4.3
Providence .....	319.9	322.2	321.1	.1	.1	.1	15.1	16.4	15.9
<b>South Carolina</b>									
Charleston .....	1,357.9	1,409.5	1,412.9	1.6	1.6	1.6	88.0	90.8	89.9
Charleston .....	183.9	190.1	191.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.0	14.7	14.9
Columbia .....	213.3	221.3	222.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.4	14.8	15.0
Greenville—Spartanburg .....	305.3	309.2	310.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.0	22.0	21.9
<b>South Dakota</b>									
Rapid City .....	252.3	257.7	256.5	2.5	2.5	2.4	8.8	10.6	9.4
Rapid City .....	33.8	34.2	34.2	.3	.3	.3	2.2	2.3	2.1
Sioux Falls .....	62.7	64.0	63.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.5	2.1
<b>Tennessee</b>									
Chattanooga .....	1,982.5	2,049.4	2,048.6	7.1	6.9	6.8	94.5	102.2	101.9
Chattanooga .....	181.9	186.5	186.8	.9	1.0	1.0	6.6	7.5	7.5
Johnson City—Kingsport—Bristol .....	156.4	161.9	162.7	.2	.1	.1	5.5	6.5	6.7
Knoxville .....	238.4	245.4	241.7	2.1	1.7	1.7	12.0	11.8	11.5
Memphis .....	412.4	421.9	422.1	.1	.1	.1	19.3	20.2	20.2
Nashville .....	459.9	454.1	453.1	.9	.9	.9	29.4	28.0	28.1
<b>Texas</b>									
Abilene .....	8,538.8	6,580.5	6,587.7	191.4	194.2	195.8	385.8	364.1	362.3
Abilene .....	50.3	50.9	50.8	2.3	2.2	2.2	2.3	2.3	2.3
Amarillo .....	76.7	79.0	79.3	1.4	1.2	1.2	4.0	4.4	4.0
Austin .....	364.4	358.7	359.4	1.0	.9	.9	21.9	19.0	19.0
Beaumont—Port Arthur .....	129.8	128.3	127.9	1.5	1.6	1.6	7.5	7.4	7.3
Brazoria .....	56.8	58.0	58.5	1.3	1.3	1.3	5.6	6.0	6.0
Brownsville—Harlingen .....	65.9	64.5	64.6	.1	.1	.1	2.8	2.5	2.5
Bryan—College Station .....	47.9	49.9	49.5	.8	.9	.9	2.1	2.3	2.2
Corpus Christi .....	129.2	127.0	127.0	6.3	5.3	5.3	8.0	7.3	7.0
Dallas .....	1,333.0	1,311.1	1,311.2	19.3	18.8	18.7	72.1	58.9	57.3
El Paso .....	185.5	186.4	187.5	.2	.1	.1	9.7	9.5	9.4
Ft. Worth—Arlington .....	515.2	518.3	517.4	3.4	3.3	3.3	29.4	27.4	25.8
Galveston—Texas City .....	70.1	68.4	69.0	.4	.4	.4	3.7	2.9	3.0
Houston .....	1,389.3	1,367.4	1,391.9	64.8	64.5	64.5	86.2	81.5	80.6
Killeen—Temple .....	68.3	69.3	69.3	.1	.1	.1	3.7	3.6	3.6
Laredo .....	35.0	35.7	35.8	1.7	2.3	2.3	1.3	1.3	1.3
Longview—Marshall .....	65.5	64.7	64.9	3.6	3.6	3.6	3.2	2.8	2.8
Lubbock .....	92.7	92.0	92.6	.3	.3	.3	3.3	2.6	2.5
McAllen—Edinburg—Mission .....	88.1	92.7	93.4	1.2	.9	1.0	4.7	4.4	4.4
Midland .....	44.5	44.6	45.1	8.8	9.3	9.5	1.6	1.6	1.5
Odessa .....	44.1	45.1	45.8	6.1	6.8	7.0	2.5	2.5	2.4
San Angelo .....	37.3	37.2	37.6	.6	.6	.6	2.0	1.7	1.7
San Antonio .....	497.3	499.8	500.3	2.6	2.5	2.6	32.8	31.0	31.2
Sherman—Denison .....	38.2	38.4	38.1	.2	.1	.1	1.7	1.7	1.7
Texarkana .....	45.7	45.5	45.5	.1	.1	.1	1.4	1.7	1.7
Tyler .....	61.3	59.9	60.2	1.8	1.9	1.9	2.8	2.7	2.7
Victoria .....	28.4	28.3	28.7	1.9	1.8	1.8	1.8	2.0	2.0
Waco .....	79.1	78.9	79.0	.1	.1	.1	3.8	3.8	3.7
Wichita Falls .....	50.3	50.3	50.6	2.0	2.0	2.0	2.0	2.0	2.0
<b>Utah</b>									
Provo—Orem .....	644.0	650.1	651.4	8.5	8.4	8.4	30.5	26.4	24.4
Provo—Orem .....	75.1	77.3	77.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.6	2.5
Salt Lake City—Ogden .....	450.0	455.0	455.9	2.5	2.6	2.7	21.8	19.5	18.4
<b>Vermont</b>									
Barre—Montpelier .....	241.5	242.4	246.4	.5	.6	.4	15.0	15.8	15.7
Barre—Montpelier .....	32.3	33.4	33.7	.2	.2	.2	1.9	2.2	2.0
Burlington .....	73.0	75.7	76.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.6	4.7

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Pennsylvania-Continued</b>									
Reading .....	48.7	49.7	49.9	6.7	6.9	7.0	32.9	33.4	33.4
Scranton-Wilkes-Barre .....	72.8	71.4	71.4	15.1	15.7	15.7	64.4	65.9	66.8
Sharon .....	9.0	9.8	9.6	1.9	1.8	1.8	11.0	11.5	11.4
State College .....	7.0	7.3	7.5	1.3	1.3	1.3	9.8	9.9	9.9
Williamsport .....	15.2	16.7	16.9	1.9	1.8	1.8	11.0	11.5	11.5
York .....	57.4	60.3	60.0	7.0	7.3	7.3	40.4	40.4	40.4
<b>Rhode Island</b>									
.....	120.7	121.5	119.8	14.8	15.2	15.1	102.8	102.9	104.3
Pawtucket-Woonsocket-Attleboro .....	56.2	56.4	55.9	3.5	3.9	3.9	32.1	32.2	32.8
Providence .....	75.1	75.7	74.6	11.6	11.7	11.6	71.0	71.6	72.6
<b>South Carolina</b>									
.....	364.1	371.5	371.9	56.9	59.3	59.8	301.7	315.4	320.2
Charleston .....	20.3	21.3	21.2	9.3	9.4	9.6	45.9	47.0	47.5
Columbia .....	28.0	29.8	29.8	10.0	10.5	10.7	46.7	47.7	48.1
Greenville-Spartanburg .....	98.8	98.9	98.9	10.8	11.5	11.5	70.6	71.7	73.0
<b>South Dakota</b>									
.....	28.9	30.4	30.3	12.8	12.6	12.6	66.1	68.9	67.0
Rapid City .....	3.1	3.2	3.2	1.9	1.8	1.8	9.9	10.0	10.1
Sioux Falls .....	8.5	8.7	8.8	4.7	4.8	4.7	16.7	16.7	16.8
<b>Tennessee</b>									
.....	496.6	504.2	503.2	98.0	99.3	99.7	470.4	487.5	491.4
Chattanooga .....	43.7	44.9	45.2	8.7	8.3	8.2	42.7	44.1	44.0
Johnson City-Kingsport-Bristol .....	52.0	52.8	52.6	6.2	6.4	6.4	36.1	36.4	36.5
Knoxville .....	50.4	51.7	50.8	9.0	9.7	9.5	57.7	59.6	58.3
Memphis .....	51.4	53.7	53.2	36.7	37.7	38.3	114.7	117.4	117.8
Nashville .....	89.9	87.1	86.4	21.9	22.8	23.1	111.5	110.9	111.2
<b>Texas</b>									
.....	944.8	978.5	977.7	374.6	383.4	383.3	1,699.5	1,677.8	1,688.0
Abilene .....	4.9	4.7	4.7	2.5	2.6	2.6	14.2	14.4	14.6
Amarillo .....	9.8	9.6	9.6	6.0	5.7	5.7	23.7	23.9	24.2
Austin .....	39.8	39.7	39.6	11.4	10.9	10.7	83.3	80.0	80.8
Beaumont-Port Arthur .....	24.8	24.1	24.1	9.5	9.3	9.3	32.9	31.8	31.6
Brazoria .....	15.2	15.0	15.3	2.2	2.3	2.2	11.3	11.2	11.5
Brownsville-Harlingen .....	9.9	9.3	9.3	3.2	3.0	3.0	17.8	17.2	17.6
Bryan-College Station .....	2.8	3.0	3.1	1.6	1.5	1.6	11.0	11.1	11.0
Corpus Christi .....	11.8	11.4	11.4	7.1	6.9	7.0	34.6	34.0	34.0
Dallas .....	224.1	224.2	223.7	86.7	87.4	87.8	363.6	354.4	358.1
El Paso .....	35.2	35.8	35.9	10.2	10.0	10.0	46.5	45.8	46.7
Ft. Worth-Arlington .....	114.9	117.8	117.8	27.3	28.2	28.2	139.0	134.0	135.0
Galveston-Texas City .....	9.2	8.9	8.9	4.8	4.1	4.3	13.8	13.5	13.6
Houston .....	147.9	153.3	152.9	92.5	90.3	90.3	365.3	355.8	361.1
Killeen-Temple .....	8.4	8.5	8.5	2.8	2.6	2.6	16.7	16.6	16.7
Laredo .....	1.8	1.9	1.7	4.0	4.2	4.2	10.4	9.9	10.1
Longview-Marshall .....	14.8	15.1	15.0	3.1	3.1	3.1	17.5	17.0	17.3
Lubbock .....	7.3	7.5	7.5	4.7	4.7	4.9	28.9	28.5	29.0
McAllen-Edinburg-Mission .....	12.3	13.9	14.2	2.8	3.0	2.8	25.8	26.4	26.8
Midland .....	3.1	2.8	2.8	2.2	2.1	2.2	11.0	10.9	11.1
Odessa .....	3.6	3.7	3.7	2.2	2.1	2.2	13.5	13.4	13.7
San Angelo .....	5.9	5.8	5.9	3.2	3.1	3.2	9.6	9.6	9.8
San Antonio .....	47.0	46.8	46.3	18.0	18.0	18.0	132.9	133.0	134.9
Sherman-Denison .....	11.1	11.4	11.2	2.1	2.1	2.1	8.9	8.7	8.7
Texarkana .....	7.2	7.4	7.3	1.8	1.7	1.7	11.5	11.2	11.1
Tyler .....	11.1	10.9	10.9	2.7	2.6	2.6	16.6	15.9	16.2
Victoria .....	3.1	3.1	3.2	1.6	1.4	1.5	8.1	8.0	8.2
Waco .....	15.2	14.8	14.7	3.5	3.4	3.4	19.4	19.6	19.9
Wichita Falls .....	8.1	8.0	8.1	2.6	2.6	2.6	12.5	12.6	12.8
<b>Utah</b>									
.....	90.6	94.6	94.2	37.9	38.6	38.8	159.5	156.7	159.2
Provo-Orem .....	10.1	10.6	10.6	2.6	2.7	2.7	16.7	16.5	16.9
Salt Lake City-Ogden .....	61.6	63.0	62.9	29.3	29.4	29.5	117.3	117.1	118.9
<b>Vermont</b>									
.....	50.7	49.7	49.5	9.8	10.3	10.4	54.6	56.3	57.2
Barre-Montpelier .....	4.5	4.7	4.6	.9	.8	.8	7.0	7.3	7.5
Burlington .....	16.7	17.0	17.2	3.0	3.2	3.2	16.8	16.8	16.8

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	7.5	7.9	8.1	29.4	30.2	30.4	17.2	17.6	17.7
Scranton—Wilkes-Barre .....	12.2	12.8	12.8	66.4	69.7	69.5	41.5	42.4	41.9
Sharon .....	1.4	1.3	1.3	10.6	11.5	11.6	5.3	5.1	5.2
State College .....	1.6	1.7	1.8	9.1	9.6	9.5	20.9	22.5	21.4
Williamsport .....	2.2	2.3	2.3	9.4	10.0	10.0	6.5	6.7	6.6
York .....	4.8	5.1	5.2	29.9	32.1	32.0	18.0	18.2	18.0
<b>Rhode Island</b>									
Pawtucket—Woonsocket—Attleboro .....	3.5	3.9	3.9	24.0	24.5	24.2	10.0	10.0	10.0
Providence .....	21.6	21.6	21.7	81.3	81.6	81.3	44.1	43.5	43.3
<b>South Carolina</b>									
Charleston .....	8.7	8.5	8.6	36.3	38.4	38.5	49.3	50.7	50.8
Columbia .....	17.3	17.8	17.9	39.1	39.8	39.6	57.5	60.5	60.8
Greenville—Spartanburg .....	11.5	11.5	11.5	49.1	50.9	51.2	41.2	42.4	42.4
<b>South Dakota</b>									
Rapid City .....	1.6	1.7	1.6	8.0	8.2	8.2	6.6	6.8	6.9
Sioux Falls .....	5.8	5.7	5.7	17.6	18.2	18.0	7.4	7.4	7.4
<b>Tennessee</b>									
Chattanooga .....	11.6	11.9	11.9	35.1	34.7	35.0	32.6	34.1	33.8
Johnson City—Kingsport—Bristol .....	4.9	5.0	5.0	26.5	28.5	29.0	25.0	26.2	28.4
Knoxville .....	8.4	8.7	8.7	48.0	51.4	50.5	50.8	51.0	50.7
Memphis .....	23.3	23.5	23.6	97.3	99.5	98.3	69.6	69.8	70.6
Nashville .....	30.7	30.5	30.4	108.8	105.8	104.2	66.8	68.1	68.8
<b>Texas</b>									
Abilene .....	2.6	2.6	2.6	13.1	13.4	13.3	8.4	8.7	8.5
Amarillo .....	4.3	4.3	4.4	16.1	16.3	16.4	13.4	13.6	13.8
Austin .....	25.7	24.9	24.9	83.4	83.8	83.8	97.9	99.5	99.7
Beaumont—Port Arthur .....	5.6	5.5	5.5	27.5	28.3	28.3	20.3	20.3	20.2
Brazoria .....	2.0	2.1	2.1	7.7	8.2	8.3	11.5	11.9	11.8
Brownsville—Harlingen .....	3.3	3.4	3.4	13.4	13.8	13.5	15.4	15.2	15.2
Bryan—College Station .....	1.7	1.7	1.7	7.7	8.1	8.0	20.2	21.3	21.0
Corpus Christi .....	6.9	6.7	6.7	27.3	27.6	27.7	27.2	27.8	27.9
Dallas .....	133.1	128.7	128.3	284.9	289.8	288.4	149.2	148.9	148.9
El Paso .....	9.6	9.9	9.9	35.3	35.8	36.0	38.8	39.5	39.5
Ft. Worth—Arlington .....	28.6	28.6	28.6	109.5	113.8	113.5	63.1	65.2	65.2
Galveston—Texas City .....	4.6	4.2	4.3	12.8	13.3	13.4	20.8	21.1	21.1
Houston .....	101.5	95.4	95.4	342.0	354.6	355.4	189.1	192.0	191.7
Killeen—Temple .....	3.0	2.9	2.9	13.8	14.4	14.4	19.8	20.6	20.5
Laredo .....	1.6	1.6	1.6	6.0	6.0	6.0	8.2	8.5	8.6
Longview—Marshall .....	3.4	3.0	3.0	11.5	11.6	11.6	8.4	8.5	8.5
Lubbock .....	5.4	5.4	5.4	20.9	21.0	20.9	21.9	22.0	22.1
McAllen—Edinburg—Mission .....	3.9	3.7	3.8	13.7	14.1	14.1	23.7	26.3	28.3
Midland .....	2.9	2.7	2.7	8.6	8.8	8.8	6.3	6.4	6.5
Odessa .....	1.6	1.6	1.7	7.2	7.4	7.4	7.4	7.6	7.7
San Angelo .....	1.8	1.8	1.8	7.5	7.9	7.8	6.7	6.7	6.8
San Antonio .....	38.9	39.2	39.1	115.8	118.4	117.9	109.3	110.9	110.3
Sherman—Denison .....	1.4	1.4	1.4	7.6	7.9	7.9	5.2	5.1	5.0
Texarkana .....	1.9	1.9	1.9	9.1	9.1	9.2	12.7	12.4	12.5
Tyler .....	3.8	3.6	3.6	13.6	13.2	13.2	8.9	9.1	9.1
Victoria .....	1.5	1.5	1.5	5.9	5.9	5.9	4.5	4.8	4.6
Waco .....	4.8	4.8	4.8	19.7	19.8	19.7	12.6	12.6	12.7
Wichita Falls .....	2.4	2.4	2.4	11.1	11.2	11.2	9.6	9.5	9.5
<b>Utah</b>									
Provo—Orem .....	2.3	2.3	2.4	26.8	28.6	28.1	13.8	14.0	13.8
Salt Lake City—Ogden .....	27.3	27.7	27.7	95.5	99.5	100.2	94.8	96.1	95.7
<b>Vermont</b>									
Barre—Montpelier .....	2.9	2.9	2.9	6.9	7.2	7.5	8.0	8.1	8.2
Burlington .....	3.3	3.6	3.6	17.6	18.3	18.2	11.5	12.3	12.3

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Virginia</b> .....	2,626.5	2,682.1	2,693.0	16.0	15.7	15.7	171.0	174.8	174.4
Bristol .....	30.6	31.9	32.2	.1	.1	.1	.9	.8	.8
Charlottesville .....	63.7	65.6	65.9	.1	.1	.1	3.5	3.6	3.6
Danville .....	39.6	40.0	39.7	.1	.1	.1	1.3	1.3	1.3
Lynchburg .....	72.1	72.0	72.2	.1	.1	.1	3.2	3.4	3.4
Norfolk-Virginia Beach-Newport News .....	539.0	549.7	549.9	.1	.1	.1	36.9	36.1	35.3
Northern Virginia .....	676.4	700.9	706.1	.5	.4	.4	47.3	48.3	48.7
Richmond-Petersburg .....	425.3	435.0	438.6	.3	.4	.4	25.3	26.9	26.9
Roanoke .....	120.1	121.9	121.8	.2	.1	.1	6.8	7.3	7.2
<b>Washington</b> .....	1,791.6	1,875.3	1,874.3	2.8	3.0	3.0	83.5	92.8	89.4
Seattle .....	908.0	951.4	956.3	.6	.6	.6	44.9	47.3	46.8
<b>West Virginia</b> .....	599.6	609.2	607.7	37.7	36.7	36.5	23.2	24.9	23.3
Charleston .....	108.1	108.0	108.3	2.1	2.3	2.3	4.6	4.7	4.4
Huntington-Ashland .....	102.4	102.2	102.7	1.0	1.0	1.0	3.6	3.9	3.7
Parkersburg-Marietta .....	58.9	60.2	60.4	.8	.7	.7	2.8	2.9	2.8
Wheeling .....	56.8	58.0	58.0	2.3	2.5	2.5	1.6	1.8	1.7
<b>Wisconsin</b> .....	2,042.8	2,103.7	2,099.1	1.8	2.3	2.0	63.3	69.5	65.3
Appleton-Oshkosh-Neenah .....	140.4	147.6	147.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	6.6	6.4
Eau Claire .....	55.9	56.6	56.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.3	1.2
Green Bay .....	91.9	95.3	94.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.0	2.6
Janesville-Beloit .....	53.2	54.9	55.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.2
Kenosha .....	38.3	41.1	42.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	.7	.7
La Crosse .....	49.1	52.0	52.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.9	1.3	1.1
Madison .....	194.1	203.3	202.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	6.8	6.2
Milwaukee .....	689.9	707.1	708.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.6	21.8	21.0
Racine .....	69.4	70.3	71.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.5
Sheboygan .....	45.2	46.3	46.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.0	1.0
Wausau .....	45.4	47.6	48.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.6	1.6
<b>Wyoming</b> .....	191.2	190.2	188.7	18.1	19.2	19.0	12.4	12.1	10.9
<b>Puerto Rico</b> .....	734.4	750.0	757.3	.8	.8	.8	31.7	34.1	34.5
Caguas .....	44.0	46.4	46.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Mayaguez .....	52.4	53.1	53.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Ponce .....	46.8	47.2	47.6	.1	.1	.1	3.2	3.9	3.9
San Juan .....	453.9	461.8	466.1	.5	.5	.5	24.3	26.0	26.3
<b>Virgin Islands</b> .....	37.9	38.7	39.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Virginia</b> .....	425.3	427.3	426.1	141.6	142.9	143.8	616.1	624.4	634.8
Bristol .....	9.4	10.0	10.0	1.2	1.2	1.2	8.4	8.9	9.0
Charlottesville .....	8.7	8.8	8.8	2.1	2.4	2.4	12.2	12.6	12.6
Danville .....	16.7	17.0	16.7	1.0	1.0	1.0	8.4	8.5	8.5
Lynchburg .....	24.3	23.8	23.5	2.9	2.9	2.9	13.8	13.6	13.8
Norfolk-Virginia Beach-Newport News .....	67.6	66.8	66.9	25.8	25.8	25.7	136.7	139.7	140.6
Northern Virginia .....	35.1	34.6	34.5	47.5	49.7	49.8	162.1	163.2	167.0
Richmond-Petersburg .....	83.2	63.8	63.6	22.1	23.0	23.4	104.7	105.6	107.9
Roanoke .....	20.6	20.7	20.5	9.0	8.7	8.7	33.0	33.4	33.8
<b>Washington</b> .....	302.1	323.2	320.9	95.6	99.8	100.3	447.3	469.4	474.7
Seattle .....	174.7	188.5	189.1	57.9	59.1	59.7	229.1	239.4	243.5
<b>West Virginia</b> .....	86.8	86.7	86.3	36.4	35.7	35.6	140.7	143.9	145.3
Charleston .....	12.5	11.4	11.4	8.2	8.7	8.8	28.5	28.8	29.3
Huntington-Ashland .....	19.7	19.2	19.2	7.4	7.1	7.1	26.9	26.6	27.2
Parkersburg-Marietta .....	14.0	14.3	14.4	2.0	2.0	1.9	14.5	14.9	15.2
Wheeling .....	6.3	7.2	7.2	3.0	3.1	3.1	16.0	16.0	16.3
<b>Wisconsin</b> .....	509.7	528.9	528.0	93.9	95.1	94.6	494.4	510.1	512.4
Appleton-Oshkosh-Neenah .....	48.1	50.5	50.6	5.4	5.6	5.6	31.1	31.8	32.0
Eau Claire .....	10.3	10.0	10.0	2.9	3.2	3.1	16.7	17.4	17.6
Green Bay .....	23.9	24.5	24.2	6.5	6.8	6.8	24.4	25.3	25.4
Janesville-Beloit .....	16.7	17.2	17.2	1.9	1.8	1.8	13.6	14.0	14.1
Kenosha .....	11.3	14.3	15.1	1.4	1.4	1.4	8.6	8.7	8.7
La Crosse .....	10.1	10.6	10.6	2.3	2.3	2.3	14.0	14.9	15.2
Madison .....	21.4	22.9	23.0	6.6	6.8	6.9	45.4	46.8	47.5
Milwaukee .....	167.9	169.8	169.9	36.0	35.8	36.3	161.8	168.6	170.6
Racine .....	24.3	24.4	24.5	2.4	2.5	2.5	16.7	17.0	17.5
Sheboygan .....	18.8	19.6	19.7	1.5	1.5	1.5	8.7	9.1	9.2
Wausau .....	12.2	13.3	13.3	2.6	2.9	2.9	11.7	12.2	12.5
<b>Wyoming</b> .....	8.2	8.6	8.4	14.1	14.0	13.9	44.8	44.4	44.9
<b>Puerto Rico</b> .....	150.2	156.0	156.7	15.9	14.2	14.1	135.9	133.1	138.6
Caguas .....	14.9	16.1	15.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.7	8.6	9.0
Mayaguez .....	20.4	20.6	20.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.6	7.2	7.6
Ponce .....	9.0	8.6	8.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.2	7.8	8.1
San Juan .....	65.2	66.4	66.5	12.0	11.3	10.7	93.3	92.9	96.5
<b>Virgin Islands</b> .....	1.8	2.0	2.0	2.5	2.5	2.5	8.7	8.9	9.1

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	Finance, insurance, and real estate			Services			Government		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Virginia</b> .....	133.6	139.0	138.7	590.7	608.2	608.6	532.2	549.7	550.8
Bristol .....	.9	.9	.9	4.5	4.7	4.8	5.3	5.3	5.3
Charlottesville .....	3.1	3.2	3.2	10.9	11.3	11.2	23.0	23.8	24.0
Danville .....	1.2	1.1	1.1	5.7	5.6	5.6	5.3	5.4	5.5
Lynchburg .....	3.3	3.4	3.4	14.4	14.9	15.0	10.0	9.9	10.1
Norfolk-Virginia Beach-Newport News .....	24.4	25.4	25.4	121.3	128.4	128.4	128.2	127.5	127.4
Northern Virginia .....	41.4	44.5	44.6	202.4	209.4	209.6	140.2	150.9	151.6
Richmond-Petersburg .....	33.4	34.5	34.7	85.3	89.2	89.8	90.8	91.7	91.9
Roanoke .....	8.1	8.5	8.6	28.9	27.2	27.1	15.5	16.0	15.9
<b>Washington</b> .....	108.0	107.6	107.9	399.9	418.1	419.4	354.4	361.4	358.7
Seattle .....	66.7	67.2	67.5	203.1	218.6	218.8	131.0	130.7	130.3
<b>West Virginia</b> .....	24.1	24.5	24.5	121.6	126.9	125.7	129.1	129.9	130.5
Charleston .....	6.0	6.0	6.0	24.9	25.0	24.9	21.3	21.1	21.2
Huntington-Ashland .....	4.3	4.3	4.3	20.1	20.3	20.2	19.4	19.8	20.0
Parkersburg-Marietta .....	2.1	2.2	2.2	13.0	13.4	13.3	9.7	9.6	9.9
Wheeling .....	2.6	2.6	2.6	15.6	15.3	15.2	9.4	9.5	9.4
<b>Wisconsin</b> .....	109.7	112.0	112.2	438.0	454.4	454.5	331.9	331.3	330.1
Appleton-Oshkosh-Neenah .....	7.1	7.3	7.4	26.6	28.4	28.4	17.1	17.3	17.3
Eau Claire .....	1.8	1.9	1.9	11.9	12.6	12.5	10.8	10.2	10.2
Green Bay .....	3.2	3.4	3.4	20.0	21.4	21.5	11.0	10.8	11.0
Janesville-Beloit .....	1.6	1.8	1.7	11.1	12.1	12.1	7.0	6.9	7.1
Kenosha .....	1.1	1.2	1.2	8.5	8.4	8.7	8.4	6.4	6.5
La Crosse .....	1.5	1.5	1.5	13.1	13.8	13.9	7.3	7.6	8.0
Madison .....	17.1	18.1	18.1	39.8	42.2	42.0	57.9	59.6	58.3
Milwaukee .....	47.4	48.4	48.7	173.4	181.5	181.0	82.1	81.0	80.8
Racine .....	2.2	2.2	2.2	13.1	13.3	13.4	8.3	8.4	8.5
Sheboygan .....	2.1	2.1	2.1	7.2	7.5	7.5	5.6	5.5	5.4
Wausau .....	3.4	3.4	3.4	7.9	8.1	8.2	6.1	6.0	6.0
<b>Wyoming</b> .....	8.0	7.7	7.8	31.9	31.3	31.3	53.6	52.9	52.5
<b>Puerto Rico</b> .....	33.4	34.6	34.5	101.9	106.5	106.9	264.6	270.7	271.2
Caguas .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.9	15.4	15.4
Mayaguez .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.2	16.5	16.5
Ponce .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.1	8.0	7.9	15.3	15.8	15.8
San Juan .....	27.2	28.0	27.9	74.4	75.3	76.0	157.0	161.4	161.7
<b>Virgin Islands</b> .....	1.6	1.6	1.6	8.0	8.8	8.9	12.7	12.6	12.6

<sup>1</sup> Not available.  
<sup>2</sup> Combined with construction.  
<sup>P</sup> = 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 workers<sup>1</sup> on private nonagricultural payrolls by major industry, 1964 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
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	12.32	464.46
1986 .....	34.8	8.76	304.85	42.2	12.44	524.97	37.4	12.47	466.38
1987 <sup>p</sup> .....	34.8	8.98	312.50	42.3	12.45	526.64	37.7	12.66	477.28
<b>Monthly data, not seasonally adjusted</b>									
<b>1987:</b>									
January .....	34.4	\$8.90	\$306.16	42.5	\$12.66	\$538.05	37.2	\$12.58	\$467.98
February .....	34.5	8.92	307.74	42.0	12.56	527.52	36.8	12.51	460.37
March .....	34.6	8.92	308.63	41.8	12.51	522.92	37.4	12.59	470.87
April .....	34.6	8.91	308.29	41.8	12.43	519.57	37.4	12.55	469.37
May .....	34.8	8.93	310.76	42.4	12.42	526.61	38.5	12.60	485.10
June .....	35.0	8.92	312.20	42.4	12.44	527.46	38.1	12.61	480.44
July .....	35.1	8.91	312.74	42.1	12.31	518.25	38.6	12.57	485.20
August .....	35.3	8.94	315.58	42.4	12.32	522.37	38.6	12.67	489.06
September .....	34.7	9.06	314.38	42.1	12.43	523.30	36.4	12.77	464.83
October .....	34.9	9.09	317.24	42.7	12.34	526.92	38.8	12.79	496.25
November .....	34.8	9.14	318.07	42.3	12.47	527.48	37.1	12.80	474.88
December <sup>p</sup> .....	34.9	9.12	318.29	43.0	12.49	537.07	37.6	12.78	480.53
<b>1988:</b>									
January <sup>p</sup> .....	34.4	9.18	315.79	42.2	12.61	532.14	36.0	12.90	464.40

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> 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
<b>Annual averages</b>										
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	2.81	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	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.16	351.74
1986 .....	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.4	9.35	359.04
1987 <sup>p</sup> .....	41.0	9.91	9.48	406.31	39.1	12.00	469.20	38.2	9.60	366.72
<b>Monthly data, not seasonally adjusted</b>										
<b>1987:</b>										
January .....	40.8	\$9.84	\$9.44	\$401.47	38.5	\$11.89	\$457.77	38.1	\$9.49	\$361.57
February .....	40.8	9.84	9.44	401.47	39.0	11.93	465.27	37.9	9.55	361.95
March .....	40.9	9.85	9.44	402.87	38.9	11.90	462.91	37.9	9.53	361.19
April .....	40.4	9.87	9.48	398.75	38.8	11.94	463.27	38.1	9.53	363.09
May .....	40.9	9.87	9.45	403.68	39.0	11.95	466.05	38.3	9.57	366.53
June .....	41.1	9.87	9.44	405.66	39.1	11.91	465.68	38.4	9.57	367.49
July .....	40.6	9.87	9.46	400.72	39.4	12.00	472.80	38.3	9.57	366.53
August .....	40.9	9.86	9.42	403.27	39.6	12.04	476.78	38.4	9.62	369.41
September .....	40.8	10.00	9.53	408.00	39.2	12.09	473.93	38.1	9.67	368.43
October .....	41.3	9.95	9.49	410.94	39.3	12.09	475.14	38.4	9.67	371.33
November .....	41.4	10.01	9.54	414.41	39.2	12.17	477.06	38.3	9.74	373.04
December <sup>p</sup> .....	41.8	10.08	9.60	421.34	39.2	12.12	475.10	38.3	9.74	373.04
<b>1988:</b>										
January <sup>p</sup> .....	41.0	10.09	9.65	413.69	38.8	12.10	469.48	38.1	9.81	373.76

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> 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
<b>Annual averages</b>									
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	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.35	303.94	32.5	8.16	265.20
1987 <sup>p</sup> .....	29.3	6.11	179.02	36.3	8.76	317.99	32.5	8.47	275.28
<b>Monthly data, not seasonally adjusted</b>									
<b>1987:</b>									
January .....	28.3	\$6.09	\$172.35	36.3	\$8.60	\$312.18	32.2	\$8.37	\$269.51
February .....	28.7	6.09	174.78	36.4	8.75	318.50	32.4	8.43	273.13
March .....	28.9	6.08	175.71	36.3	8.72	316.54	32.4	8.41	272.48
April .....	29.2	6.09	177.83	36.3	8.71	316.17	32.3	8.40	271.32
May .....	29.3	6.09	178.44	36.3	8.72	316.54	32.4	8.38	271.51
June .....	29.6	6.08	179.97	36.4	8.68	315.95	32.6	8.35	272.21
July .....	30.0	6.07	182.10	36.2	8.69	314.58	32.8	8.33	273.22
August .....	30.3	6.06	183.62	36.4	8.81	320.68	32.9	8.40	276.36
September .....	29.6	6.20	183.52	36.0	8.79	316.44	32.4	8.55	277.02
October .....	29.2	6.16	179.87	36.2	8.81	318.92	32.5	8.61	279.83
November .....	29.0	6.19	179.51	36.3	8.94	324.52	32.5	8.71	283.08
December <sup>p</sup> .....	29.3	6.17	180.78	36.1	8.85	319.49	32.5	8.72	283.40
<b>1988:</b>									
January <sup>p</sup> .....	28.3	6.23	176.31	36.3	8.93	324.16	32.5	8.80	286.00

<sup>1</sup> 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.

<sup>p</sup> = preliminary.  
NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1986 forward are subject to revision.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>P</sup>	Jan. 1988 <sup>P</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>P</sup>	Jan. 1988 <sup>P</sup>
<b>Total private</b> .....		34.8	34.4	34.8	34.9	34.4					
<b>Mining</b> ..		42.4	42.5	42.3	43.0	42.2					
Metal mining ..	10	41.2	41.7	42.1	42.6						
Iron ores ..	101	39.6	41.4	41.5	42.4						
Copper ores ..	102	41.8	42.9	42.6	43.2						
Coal mining ..	11,12	42.3	42.1	41.7	42.7						
Bituminous coal and lignite mining ..	12	42.4	42.2	41.8	42.8						
Oil and gas extraction ..	13	42.1	42.8	41.9	42.7						
Crude petroleum, natural gas, and natural gas liquids	131,2	41.9	44.2	41.0	43.4						
Oil and gas field services ..	138	42.3	41.9	42.3	42.4						
Nonmetallic minerals, except fuels ..	14	43.7	42.8	45.1	44.9						
Crushed and broken stone ..	142	44.2	43.7	46.2	46.5						
<b>Construction</b> ..		36.8	37.2	37.1	37.6	36.0					
General building contractors ..	15	36.8	37.1	37.0	37.4						
Residential building construction ..	152	36.2	36.2	36.5	36.7						
Operative builders ..	153	37.8	39.2	37.2	37.6						
Nonresidential building construction ..	154	37.4	37.9	37.5	38.2						
Heavy construction contractors ..	16	38.2	40.0	40.3	41.3						
Highway and street construction ..	161	36.4	39.0	39.8	40.8						
Heavy construction, except highway ..	162	39.1	40.5	40.6	41.6						
Special trade contractors ..	17	36.5	36.6	36.2	36.6						
Plumbing, heating, and air conditioning ..	171	38.5	38.0	37.6	38.2						
Painting, paper hanging, and decorating ..	172	34.8	35.0	35.4	36.1						
Electrical work ..	173	39.4	38.7	38.4	39.3						
Masonry, stonework, and plastering ..	174	34.2	34.8	33.8	35.1						
Carpentering and flooring ..	175	35.0	34.6	35.0	34.2						
Roofing and sheet metal work ..	176	31.9	32.3	32.8	31.6						
<b>Manufacturing</b> ..		41.5	40.8	41.4	41.8	41.0	3.8	3.5	4.1	4.2	3.8
<b>Durable goods</b> ..		42.3	41.5	42.0	42.5	41.5	4.0	3.6	4.2	4.4	3.9
Lumber and wood products ..	24	40.6	40.1	40.4	40.5	39.1	3.6	3.3	3.7	3.7	
Logging camps and logging contractors ..	241	39.6	39.5	39.7	39.0	-	3.4	3.5	4.8	4.2	
Sawmills and planing mills ..	242	41.5	41.5	41.2	41.7		4.3	4.1	4.4	4.5	
Sawmills and planing mills, general ..	2421	41.5	41.6	41.3	41.8		4.4	4.2	4.6	4.8	
Hardwood dimension and flooring ..	2426	42.1	41.4	41.3	41.8		4.4	3.9	3.8	3.8	
Millwork, plywood, and structural members ..	243	40.9	40.1	40.5	40.7		3.7	3.0	3.3	3.4	
Millwork ..	2431	40.2	39.5	40.0	39.6		2.7	1.9	2.4	2.5	
Wood kitchen cabinets ..	2434	41.5	39.8	39.8	41.1		4.1	3.0	3.0	3.3	
Hardwood veneer and plywood ..	2435	41.2	41.5	41.6	42.2		3.7	3.9	4.0	4.4	
Softwood veneer and plywood ..	2436	42.6	41.6	42.2	41.6		5.2	4.7	4.8	4.6	
Wood containers ..	244	38.8	37.4	38.4	39.0		2.4	2.1	2.9	3.0	
Wood buildings and mobile homes ..	245	38.4	37.7	38.5	38.2		2.4	1.9	2.5	2.2	
Mobile homes ..	2451	38.4	37.2	37.8	37.3		2.1	1.5	2.0	1.7	
Miscellaneous wood products ..	249	40.8	40.1	40.7	40.9		3.5	3.2	3.6	3.4	
Furniture and fixtures ..	25	41.1	39.8	40.4	40.9	39.0	3.3	2.6	3.0	3.3	
Household furniture ..	251	40.9	39.7	40.1	40.6	-	3.3	2.5	2.9	3.1	
Wood household furniture ..	2511	40.7	39.9	40.9	41.3		3.1	2.6	3.1	3.2	
Upholstered household furniture ..	2512	41.7	39.2	38.8	39.4		3.9	2.4	2.3	2.6	
Metal household furniture ..	2514	41.6	41.4	41.4	42.6		3.7	3.5	3.1	4.0	
Mattresses and bedsprings ..	2515	39.0	38.5	38.5	38.5		2.4	2.6	2.6	2.4	
Office furniture ..	252	42.1	40.7	42.0	43.3		3.5	2.7	3.0	3.9	
Public building and related furniture ..	253	40.6	39.4	40.8	40.6		3.6	2.7	3.6	4.0	
Partitions and fixtures ..	254	40.7	40.3	40.2	40.9		3.1	2.7	3.7	4.0	
Miscellaneous furniture and fixtures ..	259	42.4	38.3	40.4	40.2		3.6	2.0	2.9	2.9	
Stone, clay, and glass products ..	32	42.0	41.4	42.4	42.3	41.1	4.5	4.4	5.1	4.9	
Flat glass ..	321	46.5	46.0	45.8	47.3		6.6	7.1	7.5	7.8	
Glass and glassware, pressed or blown ..	322	41.8	41.1	41.5	41.0		4.8	4.3	4.8	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 workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>P</sup>	Jan. 1988 <sup>P</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>P</sup>	Jan. 1988 <sup>P</sup>
<b>Total private ..</b>		\$8.86	\$8.90	\$9.14	\$9.12	\$9.18	\$308.33	\$306.16	\$318.07	\$318.29	\$315.79
<b>Mining ..</b>		12.63	12.66	12.47	12.49	12.61	535.51	538.05	527.48	537.07	532.14
Metal mining ..	10	12.70	12.94	12.89	12.78		523.24	539.60	542.67	544.43	
Iron ores ..	101	13.92	14.84	13.67	13.19		551.23	614.38	567.31	559.26	
Copper ores ..	102	11.29	11.40	11.45	11.54		471.92	489.06	487.77	498.53	
Coal mining ..	11,12	15.69	15.75	16.10	15.96		663.69	663.08	671.37	681.49	
Bituminous coal and lignite mining ..	12	15.76	15.82	16.16	16.02		668.22	667.60	675.49	685.66	
Oil and gas extraction ..	13	11.67	11.72	11.34	11.42		491.31	501.62	475.15	487.63	
Crude petroleum, natural gas, and natural gas liquids ..	131,2	13.87	14.10	14.12	14.31		581.15	623.22	578.92	621.05	
Oil and gas field services ..	138	10.33	10.16	9.98	9.94		436.96	425.70	422.15	421.46	
Nonmetallic minerals, except fuels ..	14	10.57	10.43	10.75	10.78		461.91	446.40	484.83	484.02	
Crushed and broken stone ..	142	9.79	9.58	10.19	10.20		432.72	418.65	470.78	474.30	
<b>Construction ..</b>		12.77	12.58	12.80	12.78	12.90	469.94	467.98	474.88	480.53	464.40
General building contractors ..	15	11.72	11.57	11.96	11.97		431.30	429.25	442.52	447.68	
Residential building construction ..	152	11.07	10.95	11.32	11.38		400.73	396.39	413.18	417.65	
Operative builders ..	153	9.99	9.95	10.69	10.88		377.62	390.04	397.67	409.09	
Nonresidential building construction ..	154	12.48	12.29	12.70	12.64		466.75	465.79	476.25	482.85	
Heavy construction contractors ..	16	12.18	11.78	12.14	11.89		465.28	471.20	489.24	491.06	
Highway and street construction ..	161	11.86	11.33	12.23	11.67		431.70	441.87	486.75	476.14	
Heavy construction, except highway ..	162	12.33	11.98	12.09	12.00		482.10	485.19	490.85	499.20	
Special trade contractors ..	17	13.38	13.23	13.35	13.38		488.37	484.22	483.27	489.71	
Plumbing, heating, and air conditioning ..	171	13.43	13.31	13.49	13.60		517.06	505.78	507.22	519.52	
Painting, paper hanging, and decorating ..	172	12.63	12.54	12.51	12.49		439.52	438.90	442.85	450.89	
Electrical work ..	173	14.75	14.54	14.82	14.71		581.15	562.70	569.09	578.10	
Masonry, stonework, and plastering ..	174	13.32	13.29	13.41	13.43		455.54	462.49	453.26	471.39	
Carpentering and flooring ..	175	12.63	12.46	12.97	12.89		442.05	431.12	453.95	440.84	
Roofing and sheet metal work ..	176	11.97	11.59	11.79	11.89		381.84	374.36	386.71	375.72	
<b>Manufacturing ..</b>		9.85	9.84	10.01	10.08	10.09	408.78	401.47	414.41	421.34	413.69
<b>Durable goods ..</b>		10.40	10.38	10.57	10.63	10.63	439.92	430.77	443.94	451.78	441.15
Lumber and wood products ..	24	8.32	8.27	8.49	8.45	8.55	337.79	331.63	343.00	342.23	334.31
Logging camps and logging contractors ..	241	10.64	10.56	11.06	10.80	-	421.34	417.12	439.08	421.20	-
Sawmills and planing mills ..	242	8.53	8.45	8.62	8.65		354.00	350.68	355.14	360.71	
Sawmills and planing mills, general ..	2421	8.94	8.84	8.98	9.01		371.01	367.74	370.87	376.62	
Hardwood dimension and flooring ..	2426	6.63	6.62	6.92	7.00		279.12	274.07	285.80	292.60	
Millwork, plywood, and structural members ..	243	8.23	8.19	8.38	8.36		336.61	328.42	339.39	340.25	
Millwork ..	2431	8.40	8.33	8.61	8.56		337.68	329.04	344.40	338.98	
Wood kitchen cabinets ..	2434	7.71	7.63	7.74	7.79		319.97	303.67	308.05	320.17	
Hardwood veneer and plywood ..	2435	6.81	6.77	6.87	6.88		280.57	280.96	285.79	290.34	
Softwood veneer and plywood ..	2436	9.54	9.62	9.85	9.81		406.40	400.19	415.67	408.10	
Wood containers ..	244	6.03	6.00	6.18	6.28		233.96	224.40	237.31	244.92	
Wood buildings and mobile homes ..	245	7.67	7.74	7.95	7.95		294.53	291.80	306.08	303.69	
Mobile homes ..	2451	7.72	7.76	8.04	8.02		296.45	288.67	303.91	299.15	
Miscellaneous wood products ..	249	7.23	7.25	7.29	7.35		294.98	290.73	296.70	300.62	
Furniture and fixtures ..	25	7.65	7.61	7.73	7.79	7.79	314.42	302.88	312.29	318.61	303.81
Household furniture ..	251	7.05	7.00	7.15	7.20	-	288.35	277.90	286.72	292.32	-
Wood household furniture ..	2511	6.47	6.48	6.66	6.68		263.33	258.55	272.39	275.88	
Upholstered household furniture ..	2512	7.78	7.70	7.87	7.99		324.43	301.84	305.36	314.81	
Metal household furniture ..	2514	7.07	6.91	6.98	6.91		294.11	286.07	288.97	294.37	
Mattresses and bedsprings ..	2515	7.53	7.57	7.61	7.63		293.67	291.45	292.99	293.76	
Office furniture ..	252	8.60	8.72	8.62	8.77		362.06	354.90	362.04	379.74	
Public building and related furniture ..	253	8.06	7.91	7.97	7.98		327.24	311.65	325.18	323.99	
Partitions and fixtures ..	254	9.19	9.04	9.34	9.44		374.03	364.31	375.47	386.10	
Miscellaneous furniture and fixtures ..	259	8.08	8.12	8.21	8.19		342.59	311.00	331.68	329.24	
Stone, clay, and glass products ..	32	10.17	10.17	10.34	10.34	10.34	427.14	421.04	438.42	437.38	424.97
Flat glass ..	321	14.23	14.29	14.89	15.03	-	661.70	657.34	681.96	710.92	-
Glass and glassware, pressed or blown ..	322	11.14	11.27	11.36	11.47		465.65	463.20	471.44	470.27	

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	42.1	41.3	40.8	41.0		5.8	5.2	5.5	5.4	
Pressed and blown glass, nec .....	3229	41.5	40.8	42.2	41.0		3.6	3.2	4.0	3.3	
Products of purchased glass .....	323	41.9	41.5	42.0	41.9		3.5	3.7	3.7	3.8	
Cement, hydraulic .....	324	42.4	41.9	42.3	42.0		4.2	4.4	3.1	3.6	
Structural clay products .....	325	42.0	41.9	41.8	41.9		4.1	4.0	4.3	4.6	
Pottery and related products .....	326	41.0	39.8	41.2	41.7		3.2	2.7	3.9	4.0	
Concrete, gypsum, and plaster products .....	327	41.9	41.6	42.9	42.2		5.2	5.1	6.2	5.6	
Concrete block and brick .....	3271	44.2	43.8	44.7	44.1		6.5	6.9	7.4	6.6	
Concrete products, nec .....	3272	43.0	42.7	42.7	43.2		5.1	5.2	5.9	5.7	
Ready-mixed concrete .....	3273	39.6	39.4	41.8	40.6		4.2	4.2	5.7	5.1	
Misc. nonmetallic mineral products .....	329	42.1	41.4	43.0	43.7		4.0	4.0	5.1	5.3	
Abrasive products .....	3291	41.5	40.6	43.5	44.5		3.1	2.9	4.4	4.8	
Asbestos products .....	3292	45.2	43.9	42.7	45.5		6.4	5.4	5.6	7.4	
Primary metal industries .....	33	43.0	42.6	43.8	44.1	43.5	4.5	4.4	5.4	5.5	
Blast furnaces and basic steel products .....	331	42.9	42.5	43.9	44.4	44.0	4.3	4.2	5.6	5.8	
Blast furnaces and steel mills .....	3312	43.0	42.5	44.0	44.6		4.4	4.2	5.7	5.9	
Steel pipe and tubes .....	3317	43.5	43.2	43.7	44.5		4.6	4.4	6.1	6.5	
Iron and steel foundries .....	332	42.7	42.6	43.6	44.2		4.3	4.7	5.3	5.6	
Gray iron foundries .....	3321	42.7	42.5	43.9	44.1		4.7	5.1	5.7	5.6	
Malleable iron foundries .....	3322	41.4	40.9	41.8	42.2		2.9	3.1	4.0	4.6	
Steel foundries, nec .....	3325	41.6	41.9	42.4	44.1		3.3	3.6	4.4	5.6	
Primary nonferrous metals .....	333	43.8	43.2	44.2	44.2		4.1	4.2	5.4	4.8	
Primary aluminum .....	3334	44.8	43.7	44.6	44.8		4.0	4.1	4.8	4.2	
Nonferrous rolling and drawing .....	335	43.7	43.2	44.1	44.3		5.4	5.1	5.7	5.8	
Copper rolling and drawing .....	3351	42.8	43.3	44.8	44.7		5.3	5.2	5.8	6.4	
Aluminum sheet, plate, and foil .....	3353	45.1	43.4	45.0	45.5		6.7	6.6	6.6	7.2	
Nonferrous wire drawing and insulating .....	3357	43.8	43.7	43.6	44.0		5.3	5.1	5.4	5.4	
Nonferrous foundries .....	336	42.2	41.9	42.7	43.0		3.8	3.7	4.3	4.5	
Aluminum foundries .....	3361	42.8	42.5	43.4	43.4		4.1	4.2	4.6	4.7	
Fabricated metal products .....	34	42.2	41.5	42.3	42.8	41.7	4.0	3.6	4.4	4.5	
Metal cans and shipping containers .....	341	44.3	43.2	44.0	44.7		5.3	5.4	5.7	5.5	
Metal cans .....	3411	44.4	43.0	44.4	44.7		5.3	5.3	5.9	5.5	
Cutlery, hand tools, and hardware .....	342	42.2	41.5	42.3	42.8		3.6	3.1	4.2	4.3	
Hand and edge tools, and hand saws and blades .....	3423,5	42.8	41.3	42.7	42.7		3.6	2.7	4.4	4.2	
Hardware, nec .....	3429	42.2	41.6	41.8	42.6		3.7	3.4	4.1	4.3	
Plumbing and heating, except electric .....	343	41.3	40.7	42.0	43.2		3.3	3.0	4.1	4.5	
Plumbing fittings and brass goods .....	3432	40.0	41.2	42.3	43.4		2.0	2.7	3.8	4.2	
Heating equipment, except electric .....	3433	41.0	39.8	41.9	43.2		3.2	2.4	4.5	4.7	
Fabricated structural metal products .....	344	41.6	40.6	41.4	41.5		3.6	3.0	3.8	3.9	
Fabricated structural metal .....	3441	42.5	41.5	41.9	42.7		4.0	3.3	3.9	4.4	
Metal doors, sash, and trim .....	3442	40.2	39.2	40.1	39.0		2.8	2.4	3.0	2.8	
Fabricated plate work (boiler shops) .....	3443	42.7	41.3	42.9	44.2		4.0	3.5	4.3	4.9	
Sheet metal work .....	3444	41.2	40.5	40.6	40.6		3.4	3.0	3.6	3.5	
Architectural metal work .....	3446	40.8	40.2	40.6	41.3		3.5	3.3	3.4	3.6	
Screw machine products, bolts, etc .....	345	43.3	43.0	43.3	44.4		5.0	5.0	5.5	6.0	
Screw machine products .....	3451	41.1	41.2	42.1	42.9		3.5	3.6	4.5	5.1	
Bolts, nuts, rivets, and washers .....	3452	45.6	44.8	44.7	45.9		6.6	6.4	6.6	7.0	
Metal forgings and stampings .....	346	43.3	42.9	43.2	43.6		5.0	4.8	5.3	5.2	
Iron and steel forgings .....	3462	42.7	41.6	42.8	43.6		4.3	3.3	4.7	5.3	
Automotive stampings .....	3465	44.9	44.4	44.6	44.8		6.0	5.8	6.2	5.6	
Metal stampings, nec .....	3469	41.7	41.6	41.9	42.3		4.0	4.0	4.5	4.7	
Metal services, nec .....	347	41.1	40.6	41.7	41.8		3.7	3.2	4.1	4.3	
Plating and polishing .....	3471	40.8	40.4	41.5	41.6		3.5	3.1	4.1	4.2	
Metal coating and allied services .....	3479	41.8	41.1	42.2	42.2		4.0	3.4	4.2	4.5	
Ordnance and accessories, nec .....	348	42.2	41.1	42.9	44.3		3.1	2.9	3.2	3.9	
Ammunition, except for small arms, nec .....	3483	41.0	40.7	42.9	44.9		2.2	2.6	2.8	3.3	
Misc. fabricated metal products .....	349	41.8	41.1	42.2	42.8		3.4	3.1	4.1	4.6	
Valves and pipe fittings .....	3494	41.5	40.7	42.7	43.7		3.2	2.7	4.6	5.4	
Misc. fabricated wire products .....	3496	41.8	41.0	41.1	41.8		3.1	3.0	3.6	3.8	
Machinery, except electrical .....	35	42.8	42.0	42.9	43.6	42.8	4.1	3.7	4.6	5.0	
Engines and turbines .....	351	43.7	43.3	45.0	44.6	-	6.5	6.1	6.4	5.8	
Turbines and turbine generator sets .....	3511	42.2	39.7	42.3	41.0		6.5	3.6	6.1	3.2	
Internal combustion engines, nec .....	3519	44.2	44.7	45.8	45.8		6.5	7.0	6.5	6.7	
Farm and garden machinery .....	352	41.7	41.8	42.7	43.4		2.8	3.0	4.2	4.5	
Farm machinery and equipment .....	3523	41.7	41.5	43.2	43.7		3.2	3.1	5.1	5.1	

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products—Continued											
Glass containers .....	3221	\$11.49	\$11.73	\$11.83	\$11.95		\$483.73	\$484.45	\$482.66	\$489.95	
Pressed and blown glass, nec .....	3229	10.72	10.74	10.88	10.97		444.88	438.19	459.14	449.77	
Products of purchased glass .....	323	8.82	8.99	8.81	8.78		369.56	373.09	370.02	367.88	
Cement, hydraulic .....	324	13.60	13.65	13.70	13.45		576.64	571.94	579.51	564.90	
Structural clay products .....	325	8.32	8.32	8.75	8.76		349.44	348.61	365.75	367.04	
Pottery and related products .....	326	8.91	8.95	9.16	9.27		365.31	356.21	377.39	386.56	
Concrete, gypsum, and plaster products .....	327	9.82	9.79	10.09	9.99		411.46	407.26	432.86	421.58	
Concrete block and brick .....	3271	8.66	8.70	9.05	9.09		382.77	381.06	404.54	400.87	
Concrete products, nec .....	3272	8.66	8.66	9.03	8.94		372.38	369.78	385.58	386.21	
Ready-mixed concrete .....	3273	10.81	10.72	10.90	10.83		428.08	422.37	455.62	439.70	
Misc. nonmetallic mineral products .....	329	10.46	10.28	10.47	10.58		440.37	425.59	450.21	462.35	
Abrasive products .....	3291	9.88	9.58	9.81	9.89		401.72	388.14	426.74	440.11	
Asbestos products .....	3292	10.51	10.25	10.49	10.75		475.05	449.98	447.92	489.13	
Primary metal industries .....	33	11.82	11.76	12.08	12.16	\$12.14	508.26	500.98	529.10	536.26	\$528.09
Blast furnaces and basic steel products .....	331	13.74	13.55	13.97	14.07	13.98	589.45	575.88	613.28	624.71	815.12
Blast furnaces and steel mills .....	3312	14.50	14.28	14.68	14.79	-	623.50	606.90	645.92	659.63	-
Steel pipe and tubes .....	3317	10.97	11.00	11.20	11.17		477.20	475.20	489.44	497.07	
Iron and steel foundries .....	332	10.53	10.66	10.82	10.84		449.63	454.12	471.75	479.13	
Gray iron foundries .....	3321	10.90	11.08	11.29	11.31		465.43	470.90	495.63	498.77	
Malleable iron foundries .....	3322	11.18	11.44	11.72	11.77		462.85	467.90	489.90	496.69	
Steel foundries, nec .....	3325	9.96	10.07	10.07	10.21		414.34	421.93	426.97	450.26	
Primary nonferrous metals .....	333	13.03	12.98	13.10	13.16		570.71	560.74	579.02	581.67	
Primary aluminum .....	3334	13.42	13.36	13.21	13.36		601.22	583.83	589.17	598.53	
Nonferrous rolling and drawing .....	335	11.32	11.24	11.50	11.54		494.68	485.57	507.15	511.22	
Copper rolling and drawing .....	3351	10.45	10.44	10.49	10.75		447.26	452.05	469.95	480.53	
Aluminum sheet, plate, and foil .....	3353	13.78	13.76	13.98	13.90		621.48	597.18	629.10	632.45	
Nonferrous wire drawing and insulating .....	3357	11.14	11.12	11.56	11.55		487.93	485.94	504.02	508.20	
Nonferrous foundries .....	336	9.54	9.63	9.56	9.71		402.59	403.50	408.21	417.53	
Aluminum foundries .....	3361	9.81	9.91	9.78	10.01		419.87	421.18	424.45	434.43	
Fabricated metal products .....	34	10.02	9.98	10.15	10.23	10.18	422.84	414.17	429.35	437.84	424.51
Metal cans and shipping containers .....	341	13.36	13.24	13.27	13.37	-	591.85	571.97	583.88	597.64	-
Metal cans .....	3411	14.12	14.01	14.03	14.16		626.93	602.43	622.93	632.95	
Cutlery, hand tools, and hardware .....	342	9.87	9.90	10.10	10.14		416.51	410.85	427.23	433.99	
Hand and edge tools, and hand saws and blades .....	3423.5	9.11	9.05	9.25	9.27		389.91	373.77	394.98	395.83	
Hardware, nec .....	3429	10.25	10.33	10.56	10.60		432.55	429.73	441.41	451.56	
Plumbing and heating, except electric .....	343	9.27	9.17	9.30	9.26		382.85	373.22	390.60	400.03	
Plumbing fittings and brass goods .....	3432	8.66	8.63	8.96	8.97		346.40	355.56	379.01	389.30	
Heating equipment, except electric .....	3433	9.15	9.11	9.25	9.10		375.15	362.58	387.58	393.12	
Fabricated structural metal products .....	344	9.29	9.22	9.39	9.51		386.46	374.33	388.75	394.67	
Fabricated structural metal .....	3441	9.82	9.66	10.01	10.06		417.35	400.89	419.42	429.56	
Metal doors, sash, and trim .....	3442	7.74	7.82	7.82	7.99		311.15	306.54	313.58	311.61	
Fabricated plate work (boiler shops) .....	3443	10.25	10.20	10.39	10.48		437.68	421.26	445.73	463.22	
Sheet metal work .....	3444	9.53	9.47	9.66	9.75		392.64	383.54	392.20	395.85	
Architectural metal work .....	3446	8.75	8.69	8.77	8.94		357.00	349.34	356.06	369.22	
Screw machine products, bolts, etc .....	345	9.64	9.59	9.93	9.99		417.41	412.37	429.97	443.56	
Screw machine products .....	3451	8.98	8.95	9.18	9.29		369.08	368.74	386.48	398.54	
Bolts, nuts, rivets, and washers .....	3452	10.26	10.19	10.69	10.69		467.86	456.51	477.84	490.67	
Metal forgings and stampings .....	346	11.95	11.92	12.21	12.21		517.44	511.37	527.47	532.36	
Iron and steel forgings .....	3462	12.62	12.43	12.98	13.08		538.87	517.09	555.54	570.29	
Automotive stampings .....	3465	13.86	13.92	14.37	14.26		622.31	618.05	640.90	638.85	
Metal stampings, nec .....	3469	9.25	9.25	9.34	9.41		385.73	384.80	391.35	398.04	
Metal services, nec .....	347	8.00	7.92	8.05	8.20		328.80	321.55	335.69	342.76	
Plating and polishing .....	3471	7.92	7.87	8.01	8.18		323.14	317.95	332.42	340.29	
Metal coating and allied services .....	3479	8.16	8.01	8.13	8.24		341.09	329.21	343.09	347.73	
Ordnance and accessories, nec .....	348	10.78	10.78	11.04	11.08		454.92	443.06	473.62	490.84	
Ammunition, except for small arms, nec .....	3483	10.36	10.46	10.65	10.56		424.76	425.72	456.89	474.14	
Misc. fabricated metal products .....	349	9.23	9.25	9.45	9.58		385.81	380.18	398.79	410.02	
Valves and pipe fittings .....	3494	9.84	9.77	10.14	10.31		408.36	397.64	432.98	450.55	
Misc. fabricated wire products .....	3496	8.34	8.39	8.61	8.60		348.61	343.99	353.87	359.48	
Machinery, except electrical .....	35	10.67	10.64	10.89	10.97	10.95	456.68	446.88	467.18	478.29	468.66
Engines and turbines .....	351	13.47	13.22	13.41	13.38	-	588.64	572.43	603.45	596.75	-
Turbines and turbine generator sets .....	3511	13.19	12.60	13.67	13.50		556.62	500.22	578.24	553.50	
Internal combustion engines, nec .....	3519	13.57	13.42	13.33	13.34		599.79	599.87	610.51	610.97	
Farm and garden machinery .....	352	9.36	9.29	10.38	10.42		390.31	388.32	443.23	452.23	
Farm machinery and equipment .....	3523	10.06	10.01	11.16	11.24		419.50	415.42	482.11	491.19	

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Durable goods—Continued</b>											
<b>Machinery, except electrical—Continued</b>											
Construction and related machinery .....	353	42.7	41.4	43.8	44.8		3.4	2.8	4.7	5.3	
Construction machinery .....	3531	43.2	42.1	44.6	45.6		2.8	2.4	4.2	4.7	
Mining machinery .....	3532	41.8	42.2	43.3	45.2		3.1	3.3	4.8	6.0	
Oil field machinery .....	3533	41.0	40.0	43.5	44.5		3.9	3.5	5.8	6.6	
Conveyors and conveying equipment .....	3535	43.7	41.8	43.4	43.9		4.4	3.4	4.5	5.0	
Industrial trucks and tractors .....	3537	42.8	40.1	42.9	43.9		4.0	2.4	4.8	5.2	
Metalworking machinery .....	354	43.4	42.7	43.1	44.1		5.0	4.7	5.2	5.7	
Machine tools, metal cutting types .....	3541	43.3	42.1	42.7	43.8		4.2	3.7	4.7	5.1	
Machine tools, metal forming types .....	3542	42.6	41.2	44.6	45.1		5.4	4.1	6.2	7.2	
Special dies, tools, jigs, and fixtures .....	3544	43.9	43.8	43.7	44.7		5.9	5.9	5.9	6.4	
Machine tool accessories .....	3545	42.1	41.2	42.4	43.4		3.8	3.5	4.6	5.2	
Power driven hand tools .....	3546	43.1	42.5	40.5	42.0		3.3	2.7	2.9	3.4	
Special industry machinery .....	355	43.1	42.1	42.3	43.3		4.3	3.9	4.5	5.2	
Food products machinery .....	3551	43.0	42.0	42.9	43.4		3.8	3.5	4.9	4.7	
Textile machinery .....	3552	44.6	43.8	42.5	44.0		4.9	4.5	3.9	4.9	
Printing trades machinery .....	3555	42.1	40.9	40.3	40.4		4.5	4.1	4.6	4.6	
General industrial machinery .....	356	43.1	42.0	43.1	43.9		4.1	3.4	4.6	4.9	
Pumps and pumping equipment .....	3561	43.0	42.4	44.2	44.3		3.8	3.1	4.6	5.3	
Ball and roller bearings .....	3562	44.0	43.1	44.1	43.5		5.2	4.8	5.7	4.9	
Air and gas compressors .....	3563	42.2	41.8	43.4	44.3		3.3	2.8	5.2	5.5	
Blowers and fans .....	3564	42.2	41.0	41.3	43.3		3.5	3.0	2.8	3.9	
Speed changers, drives, and gears .....	3566	45.2	44.0	43.2	44.6		5.4	4.2	4.8	5.8	
Power transmission equipment, nec .....	3568	44.3	41.1	42.1	43.9		4.7	3.6	4.9	5.2	
Office and computing machines .....	357	43.4	42.1	42.6	43.2		3.6	2.8	3.8	4.4	
Electronic computing equipment .....	3573	43.5	42.3	42.4	42.8		3.6	2.9	3.7	4.1	
Refrigeration and service machinery .....	358	42.3	41.6	42.3	43.0		3.5	3.1	3.8	4.1	
Refrigeration and heating equipment .....	3585	42.5	41.9	43.0	43.4		3.5	3.3	4.4	4.4	
Misc. machinery, except electrical .....	359	41.7	41.5	42.1	42.9		3.8	3.6	4.5	4.8	
Carburetors, pistons, rings, and valves .....	3592	42.4	42.3	42.5	43.1		3.4	3.9	4.3	4.6	
Machinery, except electrical, nec .....	3599	41.6	41.3	42.0	42.8		3.9	3.6	4.5	4.8	
Electrical and electronic equipment .....	36	42.1	41.1	41.4	41.9	41.3	3.4	2.8	3.5	3.8	
Electric distributing equipment .....	361	41.9	40.9	41.9	42.3		3.3	2.4	3.6	3.7	
Transformers .....	3612	42.9	42.0	42.6	42.7		3.6	2.5	3.8	3.6	
Switchgear and switchboard apparatus .....	3613	41.0	39.8	41.4	41.9		3.0	2.2	3.5	3.9	
Electrical industrial apparatus .....	362	41.5	40.8	42.3	42.8		3.0	2.7	4.1	4.4	
Motors and generators .....	3621	41.7	41.0	42.0	42.5		3.4	3.3	4.4	4.6	
Industrial controls .....	3622	40.6	39.5	41.4	42.4		2.2	1.3	2.8	3.4	
Household appliances .....	363	42.0	40.8	40.8	41.0		4.0	2.9	3.3	3.3	
Household refrigerators and freezers .....	3632	40.7	40.6	41.4	41.8		3.4	2.7	4.7	4.6	
Household laundry equipment .....	3633	45.0	42.0	40.5	40.9		4.4	1.9	2.1	2.3	
Electric housewares and fans .....	3634	42.1	39.9	43.2	42.7		3.9	2.5	4.4	3.5	
Electric lighting and wiring equipment .....	364	41.1	40.4	40.7	41.3		3.0	2.8	3.5	3.7	
Electric lamps .....	3641	41.8	40.7	40.6	41.3		3.1	2.9	4.5	4.9	
Current-carrying wiring devices .....	3643	40.9	40.5	40.8	41.4		2.8	2.6	3.5	3.6	
Noncurrent-carrying wiring devices .....	3644	42.1	40.9	42.1	41.7		2.9	2.5	3.7	3.4	
Residential lighting fixtures .....	3645	40.0	39.5	39.7	40.2		1.8	1.7	2.3	2.4	
Radio and TV receiving equipment .....	365	43.1	41.1	41.2	41.3		3.2	2.3	3.3	2.9	
Radio and TV receiving sets .....	3651	43.4	41.4	41.3	42.3		2.7	2.0	2.8	2.8	
Communication equipment .....	366	42.6	41.8	41.3	42.1		3.2	2.6	3.1	3.4	
Telephone and telegraph apparatus .....	3661	41.9	41.7	42.3	43.3		2.8	2.3	3.5	4.2	
Radio and TV communication equipment .....	3662	42.8	41.8	40.9	41.7		3.3	2.7	2.9	3.1	
Electronic components and accessories .....	367	42.0	40.8	41.2	41.7		3.6	3.0	3.5	3.9	
Electronic tubes .....	3671-3	45.0	43.6	43.2	43.9		3.8	3.4	2.6	2.9	
Semiconductors and related devices .....	3674	42.0	40.8	40.8	41.3		3.9	3.3	3.8	4.1	
Electronic components, nec .....	3679	42.1	40.7	41.6	41.9		3.6	3.0	3.7	4.1	
Misc. electrical equipment and supplies .....	369	42.8	41.5	42.9	43.3		3.9	3.6	4.1	4.3	
Storage batteries .....	3691	44.0	39.3	43.4	43.9		3.9	2.6	4.7	4.6	
Engine electrical equipment .....	3694	43.3	42.9	43.1	43.6		4.6	4.8	4.5	4.8	

See footnotes at end of table.



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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Durable goods—Continued</b>											
Machinery, except electrical—Continued											
Construction and related machinery .....	353	\$11.05	\$10.93	\$11.22	\$11.33		\$471.84	\$452.50	\$491.44	\$507.58	
Construction machinery .....	3531	12.21	12.09	12.59	12.71		527.47	508.99	561.51	579.58	
Mining machinery .....	3532	11.32	11.11	11.41	11.47		473.18	468.84	494.05	518.44	
Oil field machinery .....	3533	11.06	11.06	11.03	11.20		453.46	442.40	479.81	498.40	
Conveyors and conveying equipment .....	3535	10.02	9.91	9.76	9.90		437.87	414.24	423.58	434.61	
Industrial trucks and tractors .....	3537	9.92	9.69	9.95	10.04		424.58	388.57	426.86	440.76	
Metalworking machinery .....	354	11.10	11.05	11.24	11.34		481.74	471.84	484.44	500.09	
Machine tools, metal cutting types .....	3541	11.13	11.06	11.19	11.33		481.93	465.63	477.81	496.25	
Machine tools, metal forming types .....	3542	11.58	11.36	11.64	11.77		493.31	468.03	519.14	530.83	
Special dies, tools, jigs, and fixtures .....	3544	11.82	11.76	11.99	12.13		518.90	515.09	523.96	542.21	
Machine tool accessories .....	3545	10.00	9.98	10.12	10.13		421.00	411.18	429.09	439.64	
Power driven hand tools .....	3546	8.49	8.42	8.72	8.71		365.92	357.85	353.16	365.82	
Special industry machinery .....	355	10.56	10.56	10.88	10.96		455.14	444.58	460.22	474.57	
Food products machinery .....	3551	10.70	10.74	11.01	11.05		460.10	451.08	472.33	479.57	
Textile machinery .....	3552	8.60	8.66	8.95	8.95		383.56	379.31	380.38	393.80	
Printing trades machinery .....	3555	11.32	11.30	11.61	11.63		476.57	462.17	467.88	469.85	
General industrial machinery .....	356	10.36	10.33	10.51	10.57		446.52	433.86	452.98	464.02	
Pumps and pumping equipment .....	3561	11.09	10.99	11.01	11.18		476.87	465.98	486.64	495.27	
Ball and roller bearings .....	3562	10.86	10.83	11.07	10.94		477.84	466.77	488.19	475.89	
Air and gas compressors .....	3563	10.25	10.31	10.43	10.42		432.55	430.96	452.66	461.61	
Blowers and fans .....	3564	9.30	9.24	9.26	9.40		392.46	378.84	382.44	407.02	
Speed changers, drives, and gears .....	3566	10.36	10.33	10.24	10.35		468.27	454.52	462.37	461.61	
Power transmission equipment, nec .....	3568	10.56	10.49	10.62	10.74		467.81	431.14	447.10	471.49	
Office and computing machines .....	357	10.05	10.16	10.42	10.49		436.17	427.74	443.89	453.17	
Electronic computing equipment .....	3573	10.08	10.21	10.46	10.53		438.48	431.88	443.50	450.68	
Refrigeration and service machinery .....	358	10.47	10.40	10.59	10.69		442.88	432.64	447.96	459.67	
Refrigeration and heating equipment .....	3585	10.70	10.63	10.81	10.89		454.75	445.40	464.83	472.63	
Misc. machinery, except electrical .....	359	10.35	10.33	10.52	10.58		431.60	428.70	442.89	453.88	
Carburetors, pistons, rings, and valves .....	3592	12.50	12.50	13.00	13.11		530.00	528.75	552.50	565.04	
Machinery, except electrical, nec .....	3599	10.00	9.98	10.13	10.18		416.00	412.17	425.46	435.70	
Electrical and electronic equipment .....	36	9.82	9.84	10.00	10.07	\$10.05	413.42	404.42	414.00	421.93	\$415.07
Electric distributing equipment .....	361	9.17	9.13	9.41	9.38		384.22	373.42	394.28	396.77	
Transformers .....	3612	9.08	9.01	9.19	9.20		389.53	378.42	391.49	392.84	
Switchgear and switchboard apparatus .....	3613	9.25	9.25	9.62	9.55		379.25	368.15	398.27	400.15	
Electrical industrial apparatus .....	362	9.76	9.69	9.94	9.98		405.04	395.35	420.46	427.14	
Motors and generators .....	3621	9.66	9.62	9.85	10.00		402.82	394.42	413.70	425.00	
Industrial controls .....	3622	9.73	9.54	9.83	9.79		395.04	376.83	406.96	415.10	
Household appliances .....	363	9.72	9.75	9.94	9.95		408.24	397.80	405.55	407.95	
Household refrigerators and freezers .....	3632	11.15	11.12	11.68	11.59		453.81	451.47	483.55	484.46	
Household laundry equipment .....	3633	11.82	11.47	11.98	12.03		531.90	481.74	485.19	492.03	
Electric housewares and fans .....	3634	7.31	7.35	7.37	7.40		307.75	293.27	318.38	315.98	
Electric lighting and wiring equipment .....	364	8.98	9.06	9.21	9.23		369.08	366.02	374.85	381.20	
Electric lamps .....	3641	9.92	10.09	10.65	10.58		414.66	410.66	432.39	436.95	
Current-carrying wiring devices .....	3643	8.47	8.53	8.64	8.66		346.42	345.47	352.51	358.52	
Noncurrent-carrying wiring devices .....	3644	9.29	9.32	9.53	9.54		391.11	381.19	401.21	397.82	
Residential lighting fixtures .....	3645	6.51	6.62	6.72	6.81		260.40	261.49	266.78	273.76	
Radio and TV receiving equipment .....	365	9.38	9.40	9.44	9.41		404.28	386.34	388.93	388.63	
Radio and TV receiving sets .....	3651	9.77	9.78	9.75	9.69		424.02	404.89	402.68	409.89	
Communication equipment .....	366	11.53	11.56	11.93	12.05		491.18	483.21	492.71	507.31	
Telephone and telegraph apparatus .....	3661	11.33	11.16	11.32	11.39		474.73	465.37	478.84	493.19	
Radio and TV communication equipment .....	3662	11.60	11.71	12.14	12.28		496.48	489.48	496.53	512.08	
Electronic components and accessories .....	367	8.88	8.89	9.04	9.13		372.96	362.71	372.45	380.72	
Electronic tubes .....	3671-3	10.91	10.92	11.14	11.22		490.95	476.11	481.25	492.56	
Semiconductors and related devices .....	3674	10.58	10.59	10.92	10.97		444.36	432.07	445.54	453.06	
Electronic components, nec .....	3679	8.03	8.04	8.11	8.23		338.06	327.23	337.38	344.84	
Misc. electrical equipment and supplies .....	369	10.57	10.58	10.66	10.70		452.40	439.07	457.31	463.31	
Storage batteries .....	3691	10.92	10.92	11.46	11.50		480.48	429.16	497.36	504.85	
Engine electrical equipment .....	3694	11.20	11.25	11.19	11.21		484.96	482.63	482.29	488.76	

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				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	43.4	42.5	42.6	42.9	42.2	4.7	4.3	4.6	4.6	
Motor vehicles and equipment .....	371	43.9	43.1	43.0	42.9	42.2	4.7	4.7	4.6	4.4	
Motor vehicles and car bodies .....	3711	43.9	42.8	42.3	41.4	-	4.6	4.5	4.1	3.6	
Truck and bus bodies .....	3713	42.4	42.0	41.7	43.2		3.6	4.5	3.6	4.3	
Motor vehicle parts and accessories .....	3714	44.3	43.8	44.1	44.5		5.0	5.0	5.4	5.4	
Truck trailers .....	3715	42.2	40.4	40.8	42.3		3.9	2.4	2.5	3.6	
Aircraft and parts .....	372	43.5	42.4	43.0	43.9		5.4	4.5	5.4	5.6	
Aircraft .....	3721	42.3	41.8	42.8	43.4		4.0	3.8	4.9	5.2	
Aircraft engines and engine parts .....	3724	44.9	43.1	42.6	44.0		6.9	5.2	5.6	4.8	
Aircraft equipment, nec .....	3728	44.3	42.6	43.6	44.7		6.2	5.1	6.0	6.8	
Ship and boat building and repairing .....	373	41.1	40.6	40.1	41.2		3.1	2.8	3.1	3.4	
Ship building and repairing .....	3731	41.1	40.9	40.5	41.3		3.1	2.8	3.3	3.6	
Boat building and repairing .....	3732	41.2	40.1	39.4	40.9		2.9	2.8	2.6	3.0	
Railroad equipment .....	374	41.9	40.9	41.6	42.2		3.4	2.0	2.6	3.0	
Guided missiles, space vehicles, and parts .....	376	43.5	42.9	43.1	43.8		4.7	3.9	4.7	5.0	
Guided missiles and space vehicles .....	3761	44.0	43.1	42.9	43.5		4.8	4.1	4.5	4.7	
Miscellaneous transportation equipment .....	379	41.3	40.8	39.1	39.7		5.0	4.5	2.6	3.0	
Travel trailers and campers .....	3792	39.2	40.2	37.5	37.4		3.4	3.0	1.2	1.6	
Instruments and related products .....	38	42.2	41.2	42.0	42.6	41.6	3.4	2.8	3.5	3.8	
Engineering and scientific instruments .....	381	43.4	42.0	42.5	43.6		3.7	3.0	4.0	4.5	
Measuring and controlling devices .....	382	41.9	41.0	41.8	42.3		3.0	2.5	3.1	3.6	
Environmental controls .....	3822	40.2	40.8	41.1	40.9		2.7	3.3	3.9	3.4	
Process control instruments .....	3823	44.0	41.4	43.6	45.5		3.3	2.4	3.8	4.7	
Instruments to measure electricity .....	3825	40.9	40.6	41.2	41.2		2.6	2.3	2.7	3.2	
Optical instruments and lenses .....	383	42.1	41.2	43.5	44.5		3.3	2.5	3.6	4.0	
Medical instruments and supplies .....	384	42.1	40.6	41.7	42.7		3.6	2.8	3.8	4.1	
Surgical and medical instruments .....	3841	41.8	41.0	41.7	43.2		3.2	3.0	3.5	4.0	
Surgical appliances and supplies .....	3842	42.5	40.4	41.5	41.8		4.0	2.5	4.1	4.0	
Ophthalmic goods .....	385	41.6	40.9	40.2	40.1		3.2	2.8	2.6	2.1	
Photographic equipment and supplies .....	386	42.6	43.0	44.3	43.6		4.2	3.7	4.5	4.4	
Watches, clocks, and watchcases .....	387	41.5	38.6	39.7	40.0		3.0	1.2	2.4	3.3	
Miscellaneous manufacturing .....	39	40.2	39.5	39.6	39.8	38.9	2.8	2.4	3.1	2.8	
Jewelry, silverware, and plated ware .....	391	39.9	38.6	39.4	39.4	-	3.2	2.4	3.6	3.1	
Jewelry, precious metal .....	3911	39.3	37.0	39.3	39.2		3.4	1.6	3.9	3.3	
Musical instruments .....	393	42.7	41.1	40.1	41.2		3.2	2.6	2.8	3.2	
Toys and sporting goods .....	394	39.7	39.6	40.1	39.2		2.3	2.2	3.0	2.3	
Dolls, games, toys, and children's vehicles .....	3942,4	38.9	38.8	39.0	37.3		2.0	2.1	2.8	1.9	
Sporting and athletic goods, nec .....	3949	40.3	40.2	41.1	40.8		2.6	2.3	3.3	2.7	
Pens, pencils, office, and art supplies .....	395	41.8	39.9	40.9	41.7		2.9	1.6	2.8	3.4	
Costume jewelry and notions .....	396	38.7	38.7	36.6	37.6		2.9	3.5	3.0	2.2	
Costume jewelry .....	3961	37.2	37.7	33.3	36.6		2.5	3.6	2.0	1.8	
Miscellaneous manufactures .....	399	40.7	39.8	40.1	40.5		2.9	2.5	3.1	3.1	
Signs and advertising displays .....	3993	41.1	39.7	39.7	39.8		3.0	2.5	3.0	3.1	
<b>Nondurable goods .....</b>		<b>40.6</b>	<b>39.9</b>	<b>40.6</b>	<b>41.0</b>	<b>40.2</b>	<b>3.6</b>	<b>3.3</b>	<b>3.9</b>	<b>3.9</b>	<b>3.6</b>
Food and kindred products .....	20	40.3	39.8	40.8	41.1	40.3	3.8	3.6	4.4	4.3	-
Meat products .....	201	39.4	40.0	41.0	41.0	-	3.5	3.8	4.7	4.5	
Meat packing plants .....	2011	40.8	43.2	43.3	43.2		3.8	5.6	5.6	5.7	
Sausages and other prepared meats .....	2013	40.2	39.6	42.0	41.1		3.7	2.9	4.7	4.7	
Poultry dressing plants .....	2016	38.0	37.8	38.8	39.0		3.0	2.8	3.7	3.2	
Dairy products .....	202	41.1	40.4	41.3	41.3		4.0	3.7	4.4	4.2	
Cheese, natural and processed .....	2022	39.6	38.9	39.4	40.2		3.7	3.2	3.7	3.9	
Fluid milk .....	2026	42.2	41.5	42.8	42.0		4.6	4.3	5.2	4.6	
Preserved fruits and vegetables .....	203	39.4	39.0	39.1	40.1		3.2	3.1	3.7	3.6	
Canned specialties .....	2032	41.0	42.3	41.6	43.2		4.3	5.6	6.6	6.6	
Canned fruits and vegetables .....	2033	39.3	38.6	38.5	40.6		3.0	2.4	3.8	3.7	
Frozen fruits and vegetables .....	2037	38.7	38.1	36.8	36.4		3.0	3.1	2.5	2.6	
Grain mill products .....	204	45.3	44.3	44.9	45.1		6.2	5.7	6.4	6.4	
Flour and other grain mill products .....	2041	49.3	46.9	48.3	47.2		7.1	5.6	8.0	7.2	
Prepared feeds, nec .....	2048	43.9	43.8	43.8	43.6		5.9	5.9	6.2	6.3	
Bakery products .....	205	39.6	38.8	40.2	40.4		3.7	3.3	4.4	4.1	
Bread, cake, and related products .....	2051	38.8	37.8	39.1	39.1		3.6	3.3	4.4	3.9	
Cookies and crackers .....	2052	41.5	41.3	42.9	43.7		3.8	3.2	4.5	4.7	

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$12.96	\$12.93	\$13.18	\$13.26	\$13.22	\$562.46	\$549.53	\$561.47	\$568.85	\$557.88
Motor vehicles and equipment .....	371	13.56	13.58	13.82	13.92	13.96	595.28	585.30	594.26	597.17	589.11
Motor vehicles and car bodies .....	3711	15.18	15.27	15.74	15.93		666.40	653.56	665.80	659.50	-
Truck and bus bodies .....	3713	11.52	11.66	11.64	11.78		488.45	489.72	485.39	508.90	
Motor vehicle parts and accessories .....	3714	12.64	12.69	12.99	13.05		559.95	555.82	572.86	580.73	
Truck trailers .....	3715	9.69	9.45	9.09	9.21		408.92	381.78	370.87	389.58	
Aircraft and parts .....	372	13.08	12.97	13.45	13.50		568.98	549.93	578.35	592.65	
Aircraft .....	3721	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )		-	-	-	-	
Aircraft engines and engine parts .....	3724	\$13.35	\$13.16	\$13.72	\$13.86		599.42	567.20	584.47	609.84	
Aircraft equipment, nec .....	3728	12.10	11.93	12.48	12.44		536.03	508.22	544.13	556.07	
Ship and boat building and repairing .....	373	10.51	10.51	10.38	10.37		431.96	426.71	416.24	427.24	
Ship building and repairing .....	3731	11.67	11.67	11.62	11.56		479.64	477.30	470.61	477.43	
Boat building and repairing .....	3732	8.05	8.05	8.00	8.10		331.66	322.81	315.20	331.29	
Railroad equipment .....	374	12.23	12.26	12.26	12.54		512.44	501.43	510.02	529.19	
Guided missiles, space vehicles, and parts .....	376	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )		( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	
Guided missiles and space vehicles .....	3761	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )		( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	( <sup>c</sup> )	
Miscellaneous transportation equipment .....	379	\$11.01	\$10.91	\$10.28	\$10.54		\$454.71	\$445.13	\$401.95	\$418.44	
Travel trailers and campers .....	3792	9.33	9.05	8.26	8.54		365.74	363.81	309.75	319.40	
Instruments and related products .....	38	9.65	9.64	9.87	9.89	9.99	407.23	397.17	414.54	421.31	415.58
Engineering and scientific instruments .....	381	10.47	10.44	10.79	10.86	-	454.40	438.48	458.58	473.50	-
Measuring and controlling devices .....	382	9.47	9.49	9.77	9.78		396.79	389.09	408.39	413.69	
Environmental controls .....	3822	8.99	8.97	9.20	9.32		361.40	365.98	378.12	381.19	
Process control instruments .....	3823	9.44	9.44	9.55	9.60		415.36	390.82	416.38	436.80	
Instruments to measure electricity .....	3825	9.61	9.67	10.11	10.02		393.05	392.60	416.53	412.82	
Optical instruments and lenses .....	383	10.56	10.51	10.56	10.54		444.58	433.01	459.36	469.03	
Medical instruments and supplies .....	384	8.60	8.59	8.77	8.84		362.06	348.75	365.71	377.47	
Surgical and medical instruments .....	3841	8.73	8.70	8.86	9.05		364.91	356.70	369.46	390.96	
Surgical appliances and supplies .....	3842	8.50	8.48	8.68	8.63		361.25	342.59	360.22	360.73	
Ophthalmic goods .....	385	7.26	7.35	7.46	7.56		302.02	300.62	299.89	303.16	
Photographic equipment and supplies .....	386	13.27	13.03	13.49	13.46		565.30	560.29	597.61	586.86	
Watches, clocks, and watchcases .....	387	7.13	7.10	7.13	7.25		295.90	274.06	283.06	290.00	
Miscellaneous manufacturing .....	39	7.69	7.69	7.81	7.87	7.95	309.14	303.76	309.28	313.23	309.26
Jewelry, silverware, and plated ware .....	391	8.29	8.20	8.48	8.57	-	330.77	316.52	334.11	337.66	-
Jewelry, precious metal .....	3911	8.31	8.26	8.62	8.72		326.58	305.62	338.77	341.82	
Musical instruments .....	393	7.25	7.23	7.65	7.77		309.58	297.15	306.77	320.12	
Toys and sporting goods .....	394	6.99	7.11	7.15	7.29		277.50	281.56	286.72	285.77	
Dolls, games, toys, and children's vehicles .....	3942,4	6.88	7.00	6.85	7.11		267.63	271.60	267.15	265.20	
Sporting and athletic goods, nec .....	3949	7.08	7.19	7.41	7.42		285.32	289.04	304.55	302.74	
Pens, pencils, office, and art supplies .....	395	7.82	7.69	7.79	7.74		326.88	306.83	318.61	322.76	
Costume jewelry and notions .....	396	6.20	6.15	6.33	6.32		239.94	238.01	231.68	237.63	
Costume jewelry .....	3961	5.61	5.46	6.06	6.00		208.69	205.84	201.80	219.60	
Miscellaneous manufactures .....	399	8.49	8.48	8.64	8.64		345.54	337.50	346.46	349.92	
Signs and advertising displays .....	3993	8.90	8.91	9.00	8.89		365.79	353.73	357.30	353.82	
<b>Nondurable goods</b> .....		9.07	9.09	9.24	9.31	9.33	368.24	362.69	375.14	381.71	375.07
Food and kindred products .....	20	8.88	8.90	8.96	9.05	9.10	357.86	354.22	365.57	371.96	366.73
Meat products .....	201	7.32	7.40	7.49	7.51		288.41	296.00	307.09	307.91	
Meat packing plants .....	2011	8.27	8.41	8.43	8.43		335.76	363.31	365.02	364.18	
Sausages and other prepared meats .....	2013	8.72	8.66	8.80	8.83		350.54	342.94	369.60	362.91	
Poultry dressing plants .....	2016	5.99	6.02	6.18	6.22		227.62	226.35	239.78	242.58	
Dairy products .....	202	9.57	9.55	9.77	9.74		393.33	385.82	403.50	402.26	
Cheese, natural and processed .....	2022	8.91	8.83	9.08	9.00		352.84	343.49	357.75	361.80	
Fluid milk .....	2026	10.00	9.96	10.20	10.20		422.00	413.34	434.52	428.40	
Preserved fruits and vegetables .....	203	8.40	8.52	8.28	8.59		330.96	332.28	323.75	344.46	
Canned specialties .....	2032	10.31	10.45	10.67	10.61		422.71	442.04	443.87	458.35	
Canned fruits and vegetables .....	2033	8.26	8.41	8.02	8.50		324.62	324.63	308.77	345.10	
Frozen fruits and vegetables .....	2037	7.75	7.80	7.65	8.04		299.93	297.18	281.52	292.66	
Grain mill products .....	204	10.79	10.63	10.94	11.03		488.79	470.91	491.21	497.45	
Flour and other grain mill products .....	2041	10.45	10.29	10.96	10.85		515.19	482.60	529.37	512.12	
Prepared feeds, nec .....	2048	8.35	8.26	8.58	8.57		366.57	361.79	375.80	373.65	
Bakery products .....	205	9.99	9.97	10.20	10.23		395.60	386.84	410.04	413.29	
Bread, cake, and related products .....	2051	9.93	9.89	10.17	10.17		385.28	373.84	397.65	397.65	
Cookies and crackers .....	2052	10.13	10.16	10.25	10.37		420.40	419.61	439.73	453.17	

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Sugar and confectionery products .....	206	41.8	40.5	42.2	42.6		3.8	3.4	4.4	4.0	
Cane and beet sugar .....	2061-3	45.0	42.8	46.2	46.8		7.2	5.9	7.6	6.9	
Confectionery products .....	2065	40.2	38.9	40.1	40.6		2.4	2.1	3.1	2.8	
Fats and oils .....	207	43.7	42.1	43.8	44.0		5.5	4.9	5.6	5.6	
Beverages .....	208	41.1	39.7	40.7	41.1		3.3	3.0	3.7	3.7	
Malt beverages .....	2082	43.4	42.2	42.8	43.5		4.0	4.6	6.4	5.9	
Bottled and canned soft drinks .....	2086	39.6	39.1	39.8	40.6		3.0	2.4	2.8	3.3	
Misc. food and kindred products .....	209	38.8	37.3	38.4	39.4		3.7	3.3	3.6	3.9	
Tobacco manufactures .....	21	37.4	37.1	41.0	40.6	38.2	1.4	1.0	3.3	3.4	
Cigarettes .....	211	37.1	37.1	41.1	41.0	-	1.5	1.1	3.7	3.8	
Textile mill products .....	22	42.2	41.4	42.2	42.3	41.1	4.7	4.2	4.7	4.6	
Weaving mills, cotton .....	221	43.7	42.5	43.2	42.5		6.3	5.4	5.8	5.6	
Weaving mills, synthetics .....	222	42.6	41.7	42.6	43.0		4.6	4.2	4.8	4.8	
Weaving and finishing mills, wool .....	223	43.1	43.3	41.0	41.7		4.9	4.7	3.1	4.0	
Narrow fabric mills .....	224	41.3	40.5	40.9	41.9		3.3	2.9	4.0	3.7	
Knitting mills .....	225	39.7	39.1	40.7	40.9		3.4	3.1	3.9	3.7	
Women's hosiery, except socks .....	2251	39.4	37.9	39.7	38.9		2.9	2.9	3.6	3.1	
Hosiery, nec .....	2252	38.8	37.1	40.6	40.1		2.5	2.0	3.3	3.1	
Knit outerwear mills .....	2253	38.6	38.7	40.0	40.1		3.4	3.0	4.2	3.8	
Knit underwear mills .....	2254	38.7	39.2	39.8	42.3		2.6	2.2	2.4	2.0	
Circular knit fabric mills .....	2257	43.5	42.6	42.9	43.3		5.9	5.2	5.4	5.6	
Textile finishing, except wool .....	226	43.2	40.8	43.1	43.2		5.5	4.1	5.7	5.1	
Finishing plants, cotton .....	2261	42.9	41.1	43.4	43.3		5.3	4.0	5.5	5.1	
Finishing plants, synthetics .....	2262	43.9	41.1	43.0	43.2		6.0	4.2	6.0	5.4	
Floor covering mills .....	227	44.2	43.1	43.4	44.3		5.1	4.5	4.1	4.5	
Yarn and thread mills .....	228	43.2	42.7	42.6	42.3		5.3	5.0	5.0	4.7	
Yarn mills, except wool .....	2281	44.5	43.9	43.5	43.0		6.0	5.7	5.4	5.0	
Throwing and winding mills .....	2282	37.4	38.0	38.0	38.1		3.0	3.0	2.3	2.6	
Miscellaneous textile goods .....	229	43.6	43.5	43.1	44.1		4.9	4.6	5.0	5.4	
Apparel and other textile products .....	23	37.4	36.8	37.4	37.6	36.9	1.9	1.7	2.0	2.1	
Men's and boys' suits and coats .....	231	35.8	35.8	36.4	37.1	-	1.1	1.1	1.4	1.8	
Men's and boys' furnishings .....	232	37.8	36.9	37.8	37.5		1.5	1.4	1.8	1.8	
Men's and boys' shirts and nightwear .....	2321	37.8	37.0	38.1	38.0		1.5	1.4	1.7	1.7	
Men's and boys' separate trousers .....	2327	38.5	36.9	37.0	37.7		1.2	1.2	1.4	1.7	
Men's and boys' work clothing .....	2328	36.4	36.8	37.4	36.5		1.3	1.4	1.9	1.7	
Women's and misses' outerwear .....	233	36.2	35.7	35.6	36.4		1.7	1.6	1.7	1.8	
Women's and misses' blouses and waists .....	2331	35.8	36.1	35.6	35.6		1.6	1.2	1.4	1.5	
Women's and misses' dresses .....	2335	35.1	35.2	34.7	35.0		1.4	1.6	1.4	1.3	
Women's and misses' suits and coats .....	2337	35.3	34.0	35.5	35.7		1.2	.8	1.8	1.6	
Women's and misses' outerwear, nec .....	2339	36.9	36.2	36.0	37.3		2.0	1.8	1.8	2.2	
Women's and children's undergarments .....	234	35.6	36.5	38.7	38.6		1.0	.9	1.9	2.0	
Women's and children's underwear .....	2341	35.7	37.0	38.9	39.0		1.0	1.0	1.8	1.9	
Brassieres and allied garments .....	2342	34.9	34.2	37.3	36.2		1.0	.6	2.6	2.3	
Children's outerwear .....	236	37.6	36.9	38.0	38.6		1.7	1.6	1.9	2.2	
Children's dresses and blouses .....	2361	37.0	36.6	36.8	37.2		1.8	1.6	1.5	2.0	
Misc. apparel and accessories .....	238	39.1	37.5	39.2	38.8		2.0	1.5	2.8	2.3	
Misc. fabricated textile products .....	239	40.1	38.9	39.6	39.7		3.5	3.1	3.3	3.1	
Curtains and draperies .....	2391	38.9	37.1	36.5	36.3		2.4	1.1	1.3	1.4	
House furnishings, nec .....	2392	39.9	37.8	40.1	39.6		2.8	2.0	3.4	3.0	
Automotive and apparel trimmings .....	2396	42.8	41.7	42.7	42.3		7.1	6.8	6.3	5.6	
Paper and allied products .....	26	44.1	43.4	43.7	44.1	43.6	5.2	4.9	5.3	5.4	
Paper and pulp mills .....	261,2,6	46.0	45.1	45.7	45.9	-	6.6	6.2	6.7	6.7	
Paper mills, except building paper .....	262	46.2	45.2	45.8	46.1		6.8	6.4	6.8	6.9	
Paperboard mills .....	263	44.6	44.1	44.2	45.0		7.1	7.0	7.4	7.1	
Misc. converted paper products .....	264	42.8	42.6	42.5	43.0		3.9	3.9	4.2	4.3	
Paper coating and glazing .....	2641	43.3	44.7	44.7	45.1		4.0	4.3	4.6	4.7	
Envelopes .....	2642	42.5	42.0	42.0	42.5		3.5	3.4	3.4	4.0	
Bags, except textile bags .....	2643	43.4	43.2	42.4	43.1		4.4	4.3	4.8	5.2	
Paperboard containers and boxes .....	265	43.5	42.6	43.1	43.5		4.8	4.3	4.9	4.9	
Folding paperboard boxes .....	2651	43.9	42.5	43.5	43.2		4.9	4.2	5.2	5.0	
Corrugated and solid fiber boxes .....	2653	43.6	43.5	43.6	44.1		4.9	4.7	5.3	5.2	
Sanitary food containers .....	2654	44.7	40.8	42.0	43.7		5.0	3.7	4.2	4.7	

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Nondurable goods—Continued</b>											
<b>Food and kindred products—Continued</b>											
Sugar and confectionery products .....	206	\$8.72	\$8.89	\$9.02	\$9.05		\$364.50	\$360.05	\$380.64	\$385.53	
Cane and beet sugar .....	2061-3	9.94	10.01	9.92	9.99		447.30	428.43	458.30	467.53	
Confectionery products .....	2065	7.50	7.66	7.89	7.93		301.50	297.97	316.39	321.96	
Fats and oils .....	207	9.01	8.91	9.15	9.18		393.74	375.11	400.77	403.92	
Beverages .....	208	11.87	11.77	12.01	12.03		487.86	467.27	488.81	494.43	
Malt beverages .....	2082	16.31	16.51	16.84	16.64		707.85	696.72	720.75	723.84	
Bottled and canned soft drinks .....	2086	9.34	9.19	9.39	9.46		369.86	359.33	373.72	384.08	
Misc. food and kindred products .....	209	8.20	8.29	8.34	8.40		318.16	309.22	320.26	330.96	
Tobacco manufactures .....	21	12.93	12.97	13.44	13.68	\$14.12	483.58	481.19	551.04	555.41	\$539.38
Cigarettes .....	211	15.91	15.79	16.95	17.06	-	590.26	585.81	696.65	699.46	-
Textile mill products .....	22	7.10	7.10	7.31	7.32	7.37	299.62	293.94	308.48	309.64	302.91
Weaving mills, cotton .....	221	7.43	7.37	7.71	7.68	-	324.69	313.23	333.07	326.40	-
Weaving mills, synthetics .....	222	7.59	7.62	7.89	7.85	-	323.33	317.75	336.11	337.55	-
Weaving and finishing mills, wool .....	223	7.66	7.64	7.82	7.74	-	330.15	330.81	320.62	322.76	-
Narrow fabric mills .....	224	6.59	6.67	6.75	6.73	-	272.17	270.14	276.08	281.99	-
Knitting mills .....	225	6.50	6.50	6.63	6.65	-	258.05	254.15	269.84	271.99	-
Women's hosiery, except socks .....	2251	6.30	6.37	6.55	6.61	-	248.22	241.42	260.04	257.13	-
Hosiery, nec .....	2252	6.07	6.12	6.35	6.29	-	235.52	227.05	257.81	252.23	-
Knit outerwear mills .....	2253	6.59	6.46	6.52	6.60	-	254.37	250.00	260.80	264.66	-
Knit underwear mills .....	2254	5.99	6.08	6.25	6.18	-	231.81	238.34	248.75	261.41	-
Circular knit fabric mills .....	2257	7.19	7.16	7.31	7.33	-	312.77	305.02	313.60	317.39	-
Textile finishing, except wool .....	226	7.39	7.34	7.65	7.62	-	319.25	299.47	329.72	329.18	-
Finishing plants, cotton .....	2261	7.43	7.34	7.67	7.64	-	318.75	301.67	332.88	330.81	-
Finishing plants, synthetics .....	2262	7.65	7.63	7.88	7.86	-	335.84	313.59	338.84	339.55	-
Floor covering mills .....	227	7.49	7.54	7.53	7.66	-	331.06	324.97	326.80	339.34	-
Yarn and thread mills .....	228	6.66	6.68	6.94	6.96	-	287.71	285.24	295.64	294.41	-
Yarn mills, except wool .....	2281	6.67	6.72	6.94	6.93	-	296.82	295.01	301.89	297.99	-
Throwing and winding mills .....	2282	6.64	6.55	6.94	7.11	-	248.34	248.90	263.72	270.89	-
Miscellaneous textile goods .....	229	8.13	8.15	8.23	8.35	-	354.47	354.53	354.71	368.24	-
Apparel and other textile products .....	23	5.90	5.94	6.00	6.02	6.04	220.66	218.59	224.40	226.35	222.88
Men's and boys' suits and coats .....	231	6.57	6.66	6.90	6.94	-	235.21	238.43	251.16	257.47	-
Men's and boys' furnishings .....	232	5.42	5.46	5.48	5.51	-	204.88	201.47	207.14	206.63	-
Men's and boys' shirts and nightwear .....	2321	5.22	5.27	5.32	5.38	-	197.32	194.99	202.69	204.44	-
Men's and boys' separate trousers .....	2327	5.31	5.29	5.36	5.44	-	204.44	195.20	198.32	205.09	-
Men's and boys' work clothing .....	2328	5.49	5.59	5.47	5.49	-	199.84	205.71	204.58	200.39	-
Women's and misses' outerwear .....	233	5.66	5.67	5.77	5.78	-	204.89	202.42	205.41	210.39	-
Women's and misses' blouses and waists .....	2331	5.05	5.04	5.11	5.09	-	180.79	181.94	181.92	181.20	-
Women's and misses' dresses .....	2335	5.89	5.89	6.10	6.10	-	206.74	207.33	211.67	213.50	-
Women's and misses' suits and coats .....	2337	6.54	6.46	6.63	6.57	-	230.86	219.64	235.37	234.55	-
Women's and misses' outerwear, nec .....	2339	5.52	5.58	5.59	5.65	-	203.69	202.00	201.24	210.75	-
Women's and children's undergarments .....	234	5.42	5.46	5.58	5.58	-	192.95	195.29	215.95	215.39	-
Women's and children's underwear .....	2341	5.25	5.30	5.39	5.39	-	187.43	196.10	209.67	210.21	-
Brassieres and allied garments .....	2342	6.27	6.36	6.69	6.71	-	218.82	217.51	249.54	242.90	-
Children's outerwear .....	236	5.20	5.20	5.40	5.40	-	195.52	191.88	205.20	208.44	-
Children's dresses and blouses .....	2361	5.09	5.06	5.37	5.35	-	188.33	185.20	197.62	199.02	-
Misc. apparel and accessories .....	238	5.61	5.70	5.87	5.85	-	219.35	213.75	230.10	226.98	-
Misc. fabricated textile products .....	239	7.28	7.38	7.27	7.30	-	291.93	287.08	287.89	289.81	-
Curtains and draperies .....	2391	5.54	5.65	5.76	5.81	-	215.51	209.62	210.24	210.90	-
House furnishings, nec .....	2392	6.03	6.04	6.11	6.13	-	240.60	228.31	245.01	242.75	-
Automotive and apparel trimmings .....	2396	11.54	11.67	11.39	11.57	-	493.91	486.64	486.35	489.41	-
Paper and allied products .....	26	11.34	11.26	11.50	11.56	11.53	500.09	488.68	502.55	509.80	502.71
Paper and pulp mills .....	261,2,6	13.88	13.73	14.21	14.16	-	638.48	619.22	649.40	649.94	-
Paper mills, except building paper .....	262	13.97	13.81	14.31	14.25	-	645.41	624.21	655.40	656.93	-
Paperboard mills .....	263	14.17	13.92	14.51	14.50	-	631.98	613.87	641.34	652.50	-
Misc. converted paper products .....	264	9.79	9.81	9.94	10.12	-	419.01	417.91	422.45	435.16	-
Paper coating and glazing .....	2641	11.15	11.00	11.15	11.25	-	482.80	491.70	498.41	507.38	-
Envelopes .....	2642	9.07	9.10	9.43	9.54	-	385.48	382.20	396.06	405.45	-
Bags, except textile bags .....	2643	9.03	9.03	9.27	9.30	-	391.90	390.10	393.05	400.83	-
Paperboard containers and boxes .....	265	9.68	9.61	9.76	9.82	-	421.08	409.39	420.66	427.17	-
Folding paperboard boxes .....	2651	10.03	9.97	10.15	10.24	-	440.32	423.73	441.53	442.37	-
Corrugated and solid fiber boxes .....	2653	9.90	9.82	9.97	10.01	-	431.64	427.17	434.69	441.44	-
Sanitary food containers .....	2654	9.56	9.19	9.58	9.60	-	427.33	374.95	402.36	419.52	-

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>a</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Printing and publishing .....	27	38.7	37.6	38.3	38.7	37.6	3.1	2.7	3.4	3.4	
Newspapers .....	271	34.4	32.7	34.1	34.2	-	1.9	1.2	1.8	1.8	
Periodicals .....	272	38.9	38.0	38.9	38.7	-	2.9	2.6	3.5	3.8	
Books .....	273	40.3	39.2	38.3	39.5	-	4.1	3.9	3.3	3.5	
Book publishing .....	2731	39.0	38.2	38.4	39.2	-	3.2	3.3	2.9	2.9	
Book printing .....	2732	42.4	40.9	38.2	40.0	-	5.4	4.9	4.0	4.4	
Miscellaneous publishing .....	274	37.1	35.8	37.5	37.3	-	2.6	2.4	3.2	2.8	
Commercial printing .....	275	40.0	39.2	39.6	39.8	-	3.6	3.2	3.9	3.9	
Commercial printing, letterpress .....	2751	39.5	38.8	39.3	39.5	-	3.0	2.9	3.3	3.4	
Commercial printing, lithographic .....	2752	40.0	39.1	39.4	39.6	-	3.7	3.3	3.9	3.9	
Manifold business forms .....	276	43.2	41.6	41.9	44.3	-	4.8	3.7	4.5	5.8	
Blankbooks and bookbinding .....	278	39.2	38.0	39.6	40.6	-	2.5	2.0	3.5	3.7	
Printing trade services .....	279	38.7	38.1	38.2	39.3	-	3.4	3.4	3.7	4.1	
Chemicals and allied products .....	28	42.6	42.2	42.8	43.3	42.7	3.9	3.8	4.1	4.3	
Industrial inorganic chemicals .....	281	43.2	42.3	43.6	43.6	-	3.9	3.6	4.4	4.4	
Industrial inorganic chemicals, nec .....	2819	44.0	42.9	43.5	43.5	-	3.8	3.6	4.1	4.2	
Plastics materials and synthetics .....	282	43.0	43.1	43.5	43.6	-	3.8	4.3	4.6	4.6	
Plastics materials and resins .....	2821	43.8	43.9	44.3	44.5	-	4.4	4.6	5.1	5.3	
Organic fibers, noncellulosic .....	2824	42.9	42.7	42.7	43.1	-	3.4	4.1	4.0	3.9	
Drugs .....	283	42.0	42.3	41.6	42.2	-	3.3	3.2	3.2	3.7	
Pharmaceutical preparations .....	2834	41.6	41.7	41.3	42.3	-	3.4	3.1	3.2	3.8	
Soap, cleaners, and toilet goods .....	284	42.3	40.7	41.6	42.7	-	3.8	3.2	3.3	3.5	
Soap and other detergents .....	2841	46.0	43.4	44.6	45.0	-	6.0	4.9	5.5	5.5	
Polishing, sanitation, and finishing preparations .....	2842,3	42.0	40.9	42.0	42.9	-	2.8	2.6	3.1	3.5	
Toilet preparations .....	2844	40.2	39.0	39.8	41.3	-	2.9	2.5	2.2	2.5	
Paints and allied products .....	285	41.5	41.1	41.4	42.0	-	2.7	3.5	3.1	2.8	
Industrial organic chemicals .....	286	43.5	43.5	44.9	45.5	-	5.2	4.8	5.8	5.7	
Cyclic crudes and intermediates .....	2865	43.2	43.3	43.8	44.6	-	5.8	5.2	6.0	5.9	
Gum, wood, and industrial organic chemicals, nec .....	2861,9	43.6	43.5	45.2	45.7	-	5.0	4.7	5.7	5.7	
Agricultural chemicals .....	287	42.6	42.7	42.9	43.7	-	4.5	4.8	4.6	4.7	
Miscellaneous chemical products .....	289	41.7	40.9	41.9	42.5	-	3.7	3.1	3.8	3.7	
Petroleum and coal products .....	29	43.6	44.3	43.8	44.5	44.2	4.6	4.5	5.1	5.0	
Petroleum refining .....	291	43.8	44.6	43.9	44.4	-	4.3	4.2	4.7	4.5	
Paving and roofing materials .....	295	43.4	44.1	44.2	45.9	-	6.1	6.7	7.1	7.6	
Rubber and misc. plastics products .....	30	42.3	41.6	42.1	42.4	42.0	4.0	3.8	4.4	4.5	
Tires and inner tubes .....	301	43.8	43.9	44.9	45.5	-	4.9	4.8	6.0	6.5	
Rubber and plastics footwear .....	302	39.5	40.9	43.0	44.2	-	1.6	2.2	3.4	3.8	
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	43.3	41.1	44.7	45.1	-	4.1	2.9	5.4	5.4	
Fabricated rubber products, nec .....	306	42.6	41.8	41.8	43.0	-	3.8	3.5	3.9	4.3	
Miscellaneous plastics products .....	307	42.0	41.3	41.7	41.8	-	4.0	3.8	4.2	4.2	
Leather and leather products .....	31	38.1	37.3	38.3	38.5	38.4	1.9	1.7	2.3	2.0	
Leather tanning and finishing .....	311	41.2	40.8	41.0	41.8	-	3.7	3.5	4.0	4.7	
Footwear, except rubber .....	314	37.5	36.8	37.9	38.3	-	1.7	1.5	1.9	1.7	
Men's footwear, except athletic .....	3143	37.8	37.4	37.3	38.4	-	1.6	1.4	1.7	1.7	
Women's footwear, except athletic .....	3144	37.4	36.6	38.6	38.1	-	1.9	2.0	2.3	1.7	
Luggage .....	316	39.7	37.5	40.5	39.8	-	1.7	1.1	3.6	2.8	
Handbags and personal leather goods .....	317	37.7	36.9	37.5	36.9	-	2.0	1.9	3.2	1.7	
<b>Transportation and public utilities .....</b>		<b>39.1</b>	<b>38.5</b>	<b>39.2</b>	<b>39.2</b>	<b>38.8</b>					
Railroad transportation:											
Class I railroads <sup>a</sup> .....	4011	43.2	42.4	42.7	41.8	-					
Local and interurban passenger transit .....	41	34.0	33.8	33.8	34.1	-					
Local and suburban transportation .....	411	38.1	38.9	38.7	38.7	-					
Intercity highway transportation .....	413	38.6	39.1	41.2	38.8	-					
Trucking and warehousing .....	42	38.6	37.4	38.4	38.6	-					
Trucking and trucking terminals .....	421,3	38.5	37.3	38.3	38.5	-					
Public warehousing .....	422	38.9	38.0	39.6	40.0	-					
Pipe lines, except natural gas .....	46	41.6	42.1	42.0	44.2	-					

See footnotes at end of table.

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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
		<b>Nondurable goods—Continued</b>									
Printing and publishing .....	27	\$10.15	\$10.14	\$10.39	\$10.44	\$10.38	\$392.81	\$381.26	\$397.94	\$404.03	\$390.29
Newspapers .....	271	10.17	10.07	10.18	10.24	-	349.85	329.29	347.14	350.21	-
Periodicals .....	272	10.63	10.63	10.82	10.74	-	413.51	403.94	420.80	415.64	-
Books .....	273	9.39	9.31	9.47	9.35	-	378.42	364.95	362.70	369.33	-
Book publishing .....	2731	8.93	8.79	9.03	8.92	-	348.27	335.78	346.75	349.66	-
Book printing .....	2732	10.10	10.13	10.16	10.00	-	428.24	414.32	388.11	400.00	-
Miscellaneous publishing .....	274	9.19	9.19	9.93	9.74	-	340.95	329.00	372.38	363.30	-
Commercial printing .....	275	10.40	10.41	10.70	10.78	-	416.00	408.07	423.72	429.04	-
Commercial printing, letterpress .....	2751	10.01	10.09	10.23	10.44	-	395.40	391.49	402.04	412.38	-
Commercial printing, lithographic .....	2752	10.55	10.52	10.83	10.87	-	422.00	411.33	426.70	430.45	-
Manifold business forms .....	276	10.69	10.60	10.91	11.05	-	461.81	440.96	457.13	489.52	-
Blankbooks and bookbinding .....	278	8.09	8.06	8.39	8.49	-	317.13	306.28	332.24	344.69	-
Printing trade services .....	279	12.11	12.38	12.56	12.62	-	468.66	471.68	479.79	495.97	-
Chemicals and allied products .....	28	12.20	12.18	12.56	12.61	12.62	519.72	514.00	537.57	546.01	538.87
Industrial inorganic chemicals .....	281	13.31	13.34	13.84	13.84	-	574.99	564.28	603.42	603.42	-
Industrial inorganic chemicals, nec .....	2819	13.38	13.41	13.86	13.89	-	588.72	575.29	602.91	604.22	-
Plastics materials and synthetics .....	282	12.25	12.34	12.69	12.76	-	526.75	531.85	552.02	556.34	-
Plastics materials and resins .....	2821	13.31	13.28	13.66	13.75	-	582.98	582.99	605.14	611.88	-
Organic fibers, noncellulosic .....	2824	11.61	11.87	12.16	12.10	-	498.07	506.85	519.23	521.51	-
Drugs .....	283	11.31	11.29	11.85	12.01	-	475.02	477.57	492.96	506.82	-
Pharmaceutical preparations .....	2834	11.10	11.07	11.48	11.64	-	461.76	461.62	474.12	492.37	-
Soap, cleaners, and toilet goods .....	284	11.01	10.91	10.98	11.05	-	465.72	444.04	456.77	471.84	-
Soap and other detergents .....	2841	14.09	13.91	14.24	14.47	-	648.14	603.69	635.10	651.15	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.06	10.04	10.10	10.11	-	422.52	410.64	424.20	433.72	-
Toilet preparations .....	2844	9.37	9.39	9.42	9.48	-	376.67	366.21	374.92	391.52	-
Paints and allied products .....	285	10.70	10.74	10.91	10.96	-	444.05	441.41	451.67	460.32	-
Industrial organic chemicals .....	286	14.71	14.55	15.06	14.96	-	639.89	632.93	676.19	680.68	-
Cyclic crudes and intermediates .....	2865	14.69	14.44	15.11	14.91	-	634.61	625.25	661.82	664.99	-
Gum, wood, and industrial organic chemicals, nec .....	2861,9	14.72	14.59	15.05	14.97	-	641.79	634.67	680.26	684.13	-
Agricultural chemicals .....	287	11.96	11.93	12.29	12.49	-	509.50	509.41	527.24	545.81	-
Miscellaneous chemical products .....	289	11.24	11.19	11.57	11.60	-	468.71	457.67	484.78	493.00	-
Petroleum and coal products .....	29	14.41	14.57	14.75	14.70	14.75	628.28	645.45	646.05	654.15	651.95
Petroleum refining .....	291	15.46	15.65	15.85	15.72	-	677.15	697.99	695.82	697.97	-
Paving and roofing materials .....	295	11.34	11.26	11.69	11.74	-	492.16	496.57	516.70	538.87	-
Rubber and misc. plastics products .....	30	8.82	8.83	8.93	9.01	9.00	373.09	367.33	375.95	382.02	378.00
Tires and inner tubes .....	301	13.80	13.91	14.06	14.19	-	604.44	610.65	631.29	645.65	-
Rubber and plastics footwear .....	302	5.98	5.94	6.18	6.20	-	236.21	242.95	265.74	274.04	-
Reclaimed rubber, and rubber and plastics hose and belting .....	303,4	8.89	8.92	8.93	8.99	-	384.94	366.61	399.17	405.45	-
Fabricated rubber products, nec .....	306	8.54	8.49	8.75	8.85	-	363.80	354.88	365.75	380.55	-
Miscellaneous plastics products .....	307	8.19	8.19	8.33	8.39	-	343.98	338.25	347.36	350.70	-
Leather and leather products .....	31	5.98	6.04	6.11	6.10	6.12	227.84	225.29	234.01	234.85	235.01
Leather tanning and finishing .....	311	7.91	7.90	8.20	8.28	-	325.89	322.32	336.20	346.10	-
Footwear, except rubber .....	314	5.67	5.77	5.85	5.85	-	212.63	212.34	221.72	224.06	-
Men's footwear, except athletic .....	3143	6.11	6.19	6.22	6.20	-	230.96	231.51	232.01	238.08	-
Women's footwear, except athletic .....	3144	5.31	5.43	5.57	5.56	-	198.59	198.74	215.00	211.84	-
Luggage .....	316	6.20	6.23	6.56	6.45	-	246.14	233.63	265.88	256.71	-
Handbags and personal leather goods .....	317	5.88	5.80	5.67	5.62	-	221.68	214.02	212.63	207.38	-
<b>Transportation and public utilities .....</b>		<b>11.90</b>	<b>11.89</b>	<b>12.17</b>	<b>12.12</b>	<b>12.10</b>	<b>465.29</b>	<b>457.77</b>	<b>477.06</b>	<b>475.10</b>	<b>469.48</b>
Railroad transportation:											
Class I railroads* .....	4011	14.49	14.10	14.17	14.16	-	625.97	597.84	605.06	592.72	-
Local and interurban passenger transit .....	41	8.14	8.15	8.38	8.30	-	276.76	275.47	283.24	283.03	-
Local and suburban transportation .....	411	8.69	8.71	9.02	9.02	-	331.09	338.82	349.07	349.07	-
Intercity highway transportation .....	413	11.71	11.80	11.45	11.39	-	452.01	461.38	471.74	441.93	-
Trucking and warehousing .....	42	10.78	10.70	10.93	10.96	-	416.11	400.18	419.71	423.06	-
Trucking and trucking terminals .....	421,3	10.97	10.90	11.13	11.16	-	422.35	406.57	426.28	429.66	-
Public warehousing .....	422	8.30	8.17	8.49	8.45	-	322.87	310.46	336.20	338.00	-
Pipe lines, except natural gas .....	46	15.38	15.37	15.54	15.88	-	639.61	647.08	652.68	701.90	-

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	39.9	39.7	40.3	39.9						
Telephone communication .....	481	41.2	40.9	41.7	41.2						
Radio and television broadcasting .....	483	36.4	36.4	36.3	36.0						
Electric, gas, and sanitary services ..	49	41.8	41.5	42.0	41.9						
Electric services .....	491	41.6	41.5	41.9	41.4						
Gas production and distribution .....	492	41.6	41.4	41.2	41.5						
Combination utility services .....	493	42.3	42.0	43.3	43.2						
Sanitary services .....	495	42.8	41.5	41.6	42.9						
<b>Wholesale trade .....</b>		<b>38.4</b>	<b>38.1</b>	<b>38.3</b>	<b>38.3</b>	<b>38.1</b>					
Durable goods .....	50	38.8	38.6	38.9	38.9						
Motor vehicles and automotive equipment .....	501	38.3	38.2	38.2	38.7						
Furniture and home furnishings .....	502	37.0	37.0	37.9	37.9						
Lumber and construction materials .....	503	39.2	38.8	39.4	39.5						
Sporting goods, toys, and hobby goods ..	504	37.2	36.7	36.4	36.3						
Metals and minerals, except petroleum ..	505	41.0	40.5	41.2	41.7						
Electrical goods .....	506	38.7	38.7	38.5	38.5						
Hardware, plumbing, and heating equipment .....	507	38.4	38.0	38.6	38.5						
Machinery, equipment, and supplies .....	508	39.2	38.9	39.3	39.2						
Miscellaneous durable goods .....	509	37.9	37.6	38.1	38.0						
Nondurable goods .....	51	37.9	37.4	37.5	37.5						
Paper and paper products .....	511	37.6	37.1	37.1	37.2						
Drugs, proprietaries, and sundries .....	512	38.0	37.5	37.2	37.8						
Apparel, piece goods, and notions .....	513	36.5	36.3	37.5	37.6						
Groceries and related products .....	514	38.5	37.7	38.1	38.0						
Chemicals and allied products .....	516	39.4	39.1	39.0	39.3						
Petroleum and petroleum products .....	517	39.2	39.4	38.9	38.9						
Beer, wine, and distilled beverages ..	518	36.8	35.7	35.4	35.6						
Miscellaneous nondurable goods .....	519	37.2	36.7	36.5	36.7						
<b>Retail trade .....</b>		<b>29.4</b>	<b>28.3</b>	<b>29.0</b>	<b>29.3</b>	<b>28.3</b>					
Building materials and garden supplies ..	52	36.4	36.2	36.6	36.6						
Lumber and other building materials .....	521	38.2	38.1	38.6	38.5						
Hardware stores .....	525	33.1	32.5	32.9	33.3						
General merchandise stores .....	53	29.8	26.7	27.1	28.6						
Department stores .....	531	29.5	26.4	26.7	28.1						
Variety stores .....	533	31.4	28.4	29.0	31.4						
Misc. general merchandise stores ..	539	30.8	28.3	29.2	31.1						
Food stores .....	54	29.7	29.1	30.1	29.9						
Grocery stores .....	541	29.8	29.4	30.3	29.9						
Retail bakeries .....	546	27.6	26.0	27.6	28.3						
Automotive dealers and service stations ..	55	36.2	36.2	36.6	36.4						
New and used car dealers .....	551,2	37.2	37.1	37.5	37.3						
Auto and home supply stores .....	553	38.9	38.8	39.1	38.6						
Gasoline service stations .....	554	33.7	33.6	34.3	33.9						
Apparel and accessory stores .....	56	27.6	25.5	26.7	27.7						
Men's and boys' clothing and furnishings ..	561	31.0	29.1	28.5	30.5						
Women's ready-to-wear stores .....	562	26.4	24.5	25.2	26.0						
Family clothing stores .....	565	27.9	24.9	27.2	28.2						
Shoe stores .....	566	28.5	26.7	27.8	28.5						
Furniture and home furnishings stores ..	57	33.3	32.8	33.1	33.6						
Furniture and home furnishings stores ..	571	33.0	32.4	33.2	33.6						
Household appliance stores .....	572	34.5	33.5	34.2	34.1						
Radio, television, and music stores .....	573	33.3	33.2	32.4	33.4						
Eating and drinking places <sup>5</sup> .....	58	25.4	24.7	25.7	25.6						

See footnotes at end of table.



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

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Transportation and public utilities—Continued</b>											
Communication .....	48	\$12.32	\$12.28	\$12.59	\$12.57		\$491.57	\$487.52	\$507.38	\$501.54	
Telephone communication .....	481	13.10	13.07	13.42	13.35		539.72	534.56	559.61	550.02	
Radio and television broadcasting .....	483	10.76	10.63	10.95	11.15		391.66	386.93	397.49	401.40	
Electric, gas, and sanitary services .....	49	13.62	13.61	14.08	14.00		569.32	564.82	591.36	586.60	
Electric services .....	491	13.75	13.65	14.13	14.05		572.00	566.48	592.05	581.67	
Gas production and distribution .....	492	12.83	12.79	13.26	13.24		533.73	529.51	546.31	549.46	
Combination utility services .....	493	15.84	15.90	16.59	16.37		670.03	667.80	718.35	707.18	
Sanitary services .....	495	9.72	9.95	10.31	10.51		416.02	412.93	428.90	450.88	
<b>Wholesale trade .....</b>		<b>9.47</b>	<b>9.49</b>	<b>9.74</b>	<b>9.74</b>	<b>\$9.81</b>	<b>363.65</b>	<b>361.57</b>	<b>373.04</b>	<b>373.04</b>	<b>\$373.76</b>
Durable goods .....	50	9.57	9.58	9.91	9.89		371.32	369.79	385.50	384.72	
Motor vehicles and automotive equipment .....	501	8.55	8.57	8.90	8.93		327.47	327.37	339.98	345.59	
Furniture and home furnishings .....	502	8.79	8.75	9.01	8.99		325.23	323.75	341.48	340.72	
Lumber and construction materials .....	503	9.09	9.08	9.43	9.45		356.33	352.30	371.54	373.28	
Sporting goods, toys, and hobby goods .....	504	9.68	9.85	9.60	9.45		360.10	361.50	349.44	343.04	
Metals and minerals, except petroleum .....	505	10.27	10.22	10.45	10.42		421.07	413.91	430.54	434.51	
Electrical goods .....	506	9.86	9.84	10.36	10.40		381.58	380.81	398.86	400.40	
Hardware, plumbing, and heating equipment .....	507	9.11	9.15	9.34	9.33		349.82	347.70	360.52	359.21	
Machinery, equipment, and supplies .....	508	10.20	10.21	10.58	10.54		399.84	397.17	415.79	413.17	
Miscellaneous durable goods .....	509	7.64	7.64	7.84	7.82		289.56	287.26	298.70	297.16	
Nondurable goods .....	51	9.32	9.36	9.49	9.52		353.23	350.06	355.88	357.00	
Paper and paper products .....	511	9.87	9.92	10.46	10.41		371.11	368.03	388.07	387.25	
Drugs, proprietaries, and sundries .....	512	10.69	10.65	10.92	10.79		406.22	399.38	406.22	407.86	
Apparel, piece goods, and notions .....	513	9.00	9.21	9.19	9.21		328.50	334.32	344.63	346.30	
Groceries and related products .....	514	9.45	9.49	9.61	9.63		363.83	357.77	366.14	365.94	
Chemicals and allied products .....	516	11.89	12.01	12.22	12.09		468.47	469.59	476.58	475.14	
Petroleum and petroleum products .....	517	9.78	9.74	9.64	9.72		383.38	383.76	375.00	378.11	
Beer, wine, and distilled beverages .....	518	11.06	10.80	11.09	11.28		407.01	385.56	392.59	401.57	
Miscellaneous nondurable goods .....	519	7.62	7.65	7.70	7.74		283.46	280.76	281.05	284.06	
<b>Retail trade .....</b>		<b>6.07</b>	<b>6.09</b>	<b>6.19</b>	<b>6.17</b>	<b>6.23</b>	<b>178.46</b>	<b>172.35</b>	<b>179.51</b>	<b>180.78</b>	<b>176.31</b>
Building materials and garden supplies .....	52	6.93	6.99	7.15	7.17		252.25	253.04	261.69	262.42	
Lumber and other building materials .....	521	7.27	7.31	7.48	7.55		277.71	278.51	288.73	290.68	
Hardware stores .....	525	5.81	5.89	6.00	6.02		192.31	191.43	197.40	200.47	
General merchandise stores .....	53	6.41	6.41	6.52	6.42		191.02	171.15	176.69	183.61	
Department stores .....	531	6.72	6.71	6.85	6.75		198.24	177.14	182.90	189.68	
Variety stores .....	533	4.87	4.75	4.76	4.71		152.92	134.90	138.04	147.89	
Misc. general merchandise stores .....	539	4.85	5.01	5.01	4.96		149.38	141.78	146.29	154.26	
Food stores .....	54	6.91	6.95	7.05	6.90		205.23	202.25	212.21	206.31	
Grocery stores .....	541	7.10	7.11	7.20	7.07		211.58	209.03	218.16	211.39	
Retail bakeries .....	546	5.61	5.58	5.69	5.78		154.84	145.08	157.04	163.01	
Automotive dealers and service stations .....	55	7.70	7.57	7.78	7.82		278.74	274.03	284.75	284.65	
New and used car dealers .....	551,2	9.39	9.13	9.39	9.40		349.31	338.72	352.13	350.62	
Auto and home supply stores .....	553	6.56	6.56	6.82	6.83		255.18	254.53	266.66	263.64	
Gasoline service stations .....	554	5.48	5.44	5.56	5.63		184.68	182.78	190.71	190.86	
Apparel and accessory stores .....	56	5.41	5.48	5.64	5.60		149.32	139.74	150.59	155.12	
Men's and boys' clothing and furnishings .....	561	6.25	6.46	6.66	6.65		193.75	187.99	189.81	202.83	
Women's ready-to-wear stores .....	562	5.16	5.18	5.27	5.28		136.22	126.91	132.80	137.28	
Family clothing stores .....	565	5.29	5.56	5.49	5.36		147.59	138.44	149.33	151.15	
Shoe stores .....	566	5.42	5.26	5.84	5.80		154.47	140.44	162.35	165.30	
Furniture and home furnishings stores .....	57	7.45	7.41	7.61	7.74		248.09	243.05	251.89	260.06	
Furniture and home furnishings stores .....	571	7.50	7.57	7.70	7.73		247.50	245.27	255.64	259.73	
Household appliance stores .....	572	7.27	7.30	7.71	7.79		250.82	244.55	263.68	265.64	
Radio, television, and music stores .....	573	7.42	7.19	7.42	7.74		247.09	238.71	240.41	258.52	
Eating and drinking places <sup>5</sup> .....	58	4.39	4.39	4.47	4.49		111.51	108.43	114.88	114.94	

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>a</sup>	Jan. 1988 <sup>b</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	31.1	29.7	29.9	30.9						
Drug stores and proprietary stores .....	591	28.8	27.7	28.1	28.4						
Miscellaneous shopping goods stores .....	594	29.9	28.1	28.0	29.8						
Nonstore retailers .....	596	34.9	32.3	33.2	35.1						
Fuel and ice dealers .....	598	39.6	39.4	39.8	39.4						
Retail stores, nec .....	599	32.6	31.1	31.7	32.1						
<b>Finance, insurance, and real estate<sup>c</sup></b> .....		<b>36.5</b>	<b>36.3</b>	<b>36.3</b>	<b>36.1</b>	<b>36.3</b>					
Banking .....	60	36.5	36.2	36.3	36.0						
Commercial and stock savings banks .....	602	36.6	36.3	36.3	35.9						
Credit agencies other than banks .....	61	36.6	36.5	36.8	36.2						
Savings and loan associations .....	612	35.9	36.1	36.2	35.6						
Personal credit institutions .....	614	36.4	36.3	36.7	36.5						
Insurance carriers .....	63	37.5	37.5	37.4	37.3						
Life insurance .....	631	37.0	37.0	37.0	36.8						
Medical service and health insurance .....	632	38.3	39.0	37.8	38.4						
Fire, marine, and casualty insurance .....	633	37.3	37.3	37.3	37.1						
<b>Services</b> .....		<b>32.4</b>	<b>32.2</b>	<b>32.5</b>	<b>32.5</b>	<b>32.5</b>					
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>c</sup> .....	701	30.1	29.4	31.0	29.7						
Personal services:											
Laundry, cleaning, and garment services .....	721	34.3	33.8	33.9	34.3						
Beauty shops <sup>c</sup> .....	723	29.8	29.0	29.5	29.6						
Business services .....	73	33.5	33.3	33.7	33.8						
Advertising .....	731	36.2	36.0	36.8	36.7						
Services to buildings .....	734	28.5	28.1	29.0	28.8						
Computer and data processing services .....	737	37.7	37.7	37.6	37.6						
Auto repair, services, and garages .....	75	37.4	37.0	36.4	36.5						
Automotive repair shops .....	753	38.6	38.5	37.9	38.4						
Miscellaneous repair services .....	76	37.9	37.6	37.5	38.4						
Motion pictures .....	78	28.2	28.8	29.2	29.6						
Motion picture production and services .....	781	35.5	36.9	37.0	38.2						
Amusement and recreation services .....	79	28.4	28.2	28.3	28.2						
Health services .....	80	32.3	32.2	32.5	32.4						
Offices of physicians .....	801	30.9	30.9	31.2	31.0						
Offices of dentists .....	802	28.1	28.2	28.6	28.7						
Nursing and personal care facilities .....	805	31.5	31.4	31.8	31.5						
Hospitals .....	806	34.1	34.0	34.1	34.1						
Legal services .....	81	34.8	34.5	34.6	34.4						
Miscellaneous services .....	89	38.4	38.5	38.1	38.2						
Engineering and architectural services .....	891	39.8	39.4	39.5	39.6						
Accounting, auditing, and bookkeeping .....	893	37.0	37.9	36.1	36.3						

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<sup>1</sup> on private nonagricultural payrolls by detailed industry—Continued**

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>p</sup>	Jan. 1988 <sup>p</sup>
<b>Retail trade—Continued</b>											
Miscellaneous retail .....	59	\$6.15	\$6.27	\$6.36	\$6.32		\$191.27	\$186.22	\$190.16	\$195.29	
Drug stores and proprietary stores .....	591	5.71	5.77	5.91	5.89		164.45	159.83	166.07	167.28	
Miscellaneous shopping goods stores .....	594	5.65	5.82	5.87	5.81		168.94	163.54	164.36	173.14	
Nonstore retailers .....	596	7.03	7.13	7.13	7.23		245.35	230.30	236.72	253.77	
Fuel and ice dealers .....	598	9.09	9.17	9.28	9.29		359.96	361.30	369.34	366.03	
Retail stores, nec .....	599	6.33	6.40	6.50	6.41		206.36	199.04	206.05	205.76	
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		8.48	8.60	8.94	8.85	\$8.93	309.52	312.18	324.52	319.49	\$324.16
Banking .....	60	7.32	7.37	7.65	7.60		267.18	266.79	277.70	273.60	
Commercial and stock savings banks .....	602	7.09	7.15	7.40	7.37		259.49	259.55	268.62	264.58	
Credit agencies other than banks .....	61	7.75	7.84	8.12	8.04		283.65	286.16	298.82	291.05	
Savings and loan associations .....	612	7.18	7.23	7.59	7.55		257.76	261.00	274.76	268.78	
Personal credit institutions .....	614	7.33	7.37	7.58	7.58		266.81	267.53	278.19	276.67	
Insurance carriers .....	63	9.27	9.36	9.81	9.80		347.63	351.00	366.89	365.54	
Life insurance .....	631	8.84	8.91	9.34	9.38		327.08	329.67	345.58	345.18	
Medical service and health insurance .....	632	9.30	9.24	9.51	9.46		356.19	360.36	359.48	363.26	
Fire, marine, and casualty insurance .....	633	9.59	9.70	10.23	10.28		357.71	361.81	381.58	381.39	
<b>Services</b> .....		8.32	8.37	8.71	8.72	8.80	269.57	269.51	283.08	283.40	286.00
Hotels and other lodging places:											
Hotels, motels, and tourist courts <sup>5</sup> .....	701	6.16	6.12	6.31	6.41		185.42	179.93	195.61	190.38	
Personal services:											
Laundry, cleaning, and garment services .....	721	6.07	6.03	6.19	6.22		208.20	203.81	209.84	213.35	
Beauty shops <sup>5</sup> .....	723	6.22	6.10	6.48	6.76		185.36	176.90	191.16	200.10	
Business services .....	73	8.48	8.58	8.90	8.86		284.08	285.71	299.93	299.47	
Advertising .....	731	11.38	11.30	12.56	12.07		411.96	406.80	462.21	442.97	
Services to buildings .....	734	6.53	6.56	6.82	6.71		186.11	184.34	197.78	193.25	
Computer and data processing services .....	737	11.71	11.73	12.42	12.40		441.47	442.22	466.99	466.24	
Auto repair, services, and garages .....	75	7.67	7.66	7.95	8.03		286.86	283.42	289.38	293.10	
Automotive repair shops .....	753	8.29	8.30	8.55	8.58		319.99	319.55	324.05	329.47	
Miscellaneous repair services .....	76	8.96	8.89	9.35	9.53		339.58	334.26	350.63	365.95	
Motion pictures .....	78	12.51	12.45	13.36	13.04		352.78	358.56	390.11	385.98	
Motion picture production and services .....	781	16.82	16.74	17.40	16.90		597.11	617.71	643.80	645.58	
Amusement and recreation services .....	79	7.35	7.49	7.56	7.65		208.74	211.22	213.95	215.73	
Health services .....	80	8.46	8.53	8.89	8.91		273.26	274.67	288.93	288.68	
Offices of physicians .....	801	8.26	8.29	8.56	8.57		255.23	256.16	267.07	265.67	
Offices of dentists .....	802	8.34	8.38	8.58	8.66		234.35	236.32	245.39	248.54	
Nursing and personal care facilities .....	805	5.84	5.89	6.10	6.12		183.96	184.95	193.98	192.78	
Hospitals .....	806	9.54	9.63	10.11	10.13		325.31	327.42	344.75	345.43	
Legal services .....	81	11.53	11.69	12.40	12.35		401.24	403.31	429.04	424.84	
Miscellaneous services .....	89	11.88	11.84	12.48	12.35		456.19	455.84	475.49	471.77	
Engineering and architectural services .....	891	12.78	12.84	13.24	13.15		508.64	505.90	522.98	520.74	
Accounting, auditing, and bookkeeping .....	893	10.03	9.89	10.76	10.57		371.11	374.83	388.44	383.69	

<sup>1</sup> 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.

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

<sup>3</sup> Publication of data for SIC 3761, and thus the 376 aggregate, has been temporarily suspended, as the series may have been inflated by the incorrect incorporation of lump-sum payments. Estimates for October 1983 forward are under review.

<sup>4</sup> Data relate to line haul railroads with operating revenues of

\$50,000,000 or more.

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> Data for nonoffice sales agents are excluded from all series in this division.

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1986 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	13.45	13.38	13.42	13.41	13.44	13.48	13.52	13.67	13.65
1987 .....	<sup>P</sup> 13.74	13.61	13.61	13.66	13.63	13.73	13.72	13.68	13.76	13.76	13.80	13.94	<sup>P</sup> 13.99
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 .....	13.80	13.58	13.64	13.66	13.68	13.60	13.64	13.61	13.63	13.67	14.19	14.31	14.26
1987 .....	<sup>P</sup> 14.32	14.21	14.25	14.29	14.36	14.42	14.39	14.37	14.43	14.39	14.13	14.26	<sup>P</sup> 14.31

<sup>P</sup> = preliminary.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-3. Average hourly earnings, excluding overtime,<sup>1</sup> of production workers on manufacturing payrolls**

Industry	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>2</sup>	Jan. 1988 <sup>3</sup>
<b>Manufacturing</b> .....	\$9.42	\$9.44	\$9.54	\$9.60	\$9.65
<b>Durable goods</b> .....	9.94	9.95	10.07	10.12	10.16
Lumber and wood products .....	7.96	7.94	8.11	8.08	(?)
Furniture and fixtures .....	7.35	7.37	7.45	7.48	(?)
Stone, clay, and glass products .....	9.65	9.66	9.75	9.77	(?)
Primary metal industries .....	11.23	11.18	11.38	11.45	(?)
Fabricated metal products .....	9.57	9.57	9.65	9.71	(?)
Machinery, except electrical .....	10.19	10.19	10.34	10.38	(?)
Electrical and electronic equipment .....	9.44	9.51	9.60	9.64	(?)
Transportation equipment .....	12.30	12.30	12.51	12.59	(?)
Instruments and related products .....	9.28	9.33	9.47	9.47	(?)
Miscellaneous manufacturing .....	7.43	7.46	7.51	7.61	(?)
<b>Nondurable goods</b> .....	8.69	8.72	8.82	8.88	\$8.93
Food and kindred products .....	8.48	8.51	8.50	8.60	(?)
Tobacco manufactures .....	12.69	12.79	12.92	13.13	(?)
Textile mill products .....	6.73	6.76	6.92	6.95	(?)
Apparel and other textile products .....	5.76	5.81	5.84	5.86	(?)
Paper and allied products .....	10.71	10.66	10.84	10.90	(?)
Printing and publishing .....	9.75	9.78	9.96	9.99	(?)
Chemicals and allied products .....	11.67	11.65	11.98	12.02	(?)
Petroleum and coal products .....	13.69	13.86	13.94	13.92	(?)
Rubber and misc. plastics products .....	8.42	8.45	8.49	8.56	(?)
Leather and leather products .....	5.84	5.91	5.93	5.94	(?)

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

<sup>2</sup> Not available.

<sup>3</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1986 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-4. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.**

Industry	Average hourly earnings					Average weekly earnings				
	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>2</sup>	Jan. 1988 <sup>2</sup>	Dec. 1986	Jan. 1987	Nov. 1987	Dec. 1987 <sup>2</sup>	Jan. 1988 <sup>2</sup>
<b>Total private:</b>										
Current dollars .....	\$8.86	\$8.90	\$9.14	\$9.12	\$9.18	\$308.33	\$306.16	\$318.07	\$318.29	\$315.79
Constant (1977) dollars .....	4.94	4.93	4.87	4.87	( <sup>3</sup> )	171.87	169.52	169.64	169.85	( <sup>3</sup> )
<b>Mining:</b>										
Current dollars .....	12.63	12.66	12.47	12.49	\$12.61	535.51	538.05	527.48	537.07	\$532.14
Constant (1977) dollars .....	7.04	7.01	6.65	6.66	( <sup>3</sup> )	298.50	297.92	281.32	286.59	( <sup>3</sup> )
<b>Construction:</b>										
Current dollars .....	12.77	12.58	12.80	12.78	\$12.90	469.94	467.98	474.88	480.53	\$464.40
Constant (1977) dollars .....	7.12	6.97	6.83	6.82	( <sup>3</sup> )	261.95	259.13	253.27	256.42	( <sup>3</sup> )
<b>Manufacturing:</b>										
Current dollars .....	9.85	9.84	10.01	10.08	\$10.09	408.78	401.47	414.41	421.34	\$413.69
Constant (1977) dollars .....	5.49	5.45	5.34	5.38	( <sup>3</sup> )	227.86	222.30	221.02	224.83	( <sup>3</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	11.90	11.89	12.17	12.12	\$12.10	465.29	457.77	477.06	475.10	\$469.48
Constant (1977) dollars .....	6.63	6.58	6.49	6.47	( <sup>3</sup> )	259.36	253.47	254.43	253.52	( <sup>3</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	9.47	9.49	9.74	9.74	\$9.81	363.65	361.57	373.04	373.04	\$373.76
Constant (1977) dollars .....	5.28	5.25	5.19	5.20	( <sup>3</sup> )	202.70	200.20	198.95	199.06	( <sup>3</sup> )
<b>Retail trade:</b>										
Current dollars .....	6.07	6.09	6.19	6.17	\$6.23	178.46	172.35	179.51	180.78	\$176.31
Constant (1977) dollars .....	3.38	3.37	3.30	3.29	( <sup>3</sup> )	99.48	95.43	95.74	96.47	( <sup>3</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	8.48	8.60	8.94	8.85	\$8.93	309.52	312.18	324.52	319.49	\$324.16
Constant (1977) dollars .....	4.73	4.76	4.77	4.72	( <sup>3</sup> )	172.53	172.86	173.08	170.49	( <sup>3</sup> )
<b>Services:</b>										
Current dollars .....	8.32	8.37	8.71	8.72	\$8.80	269.57	269.51	283.08	283.40	\$286.00
Constant (1977) dollars .....	4.64	4.63	4.65	4.65	( <sup>3</sup> )	150.26	149.23	150.98	151.23	( <sup>3</sup> )

<sup>1</sup> 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.

<sup>2</sup> Not available.  
<sup>3</sup> = 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 1986 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1986 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**C-5. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted**

Industry	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>p</sup>	Jan. <sup>p</sup>
<b>Total private</b> .....	34.7	34.9	34.8	34.7	34.9	34.8	34.8	34.9	34.6	34.9	34.9	34.7	34.7
<b>Mining</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Construction</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Manufacturing</b> .....	40.9	41.1	40.9	40.6	41.0	41.0	41.0	41.0	40.6	41.3	41.2	41.0	41.1
<i>Overtime hours</i> .....	3.6	3.6	3.6	3.5	3.8	3.7	3.8	3.8	3.6	4.0	3.9	3.9	3.9
<b>Durable goods</b> .....	41.6	41.7	41.5	41.2	41.6	41.5	41.6	41.6	41.0	41.9	41.9	41.6	41.6
<i>Overtime hours</i> .....	3.7	3.7	3.7	3.6	3.9	3.8	3.8	4.0	3.7	4.1	4.0	4.0	4.0
Lumber and wood products .....	40.8	41.3	40.9	40.6	41.0	40.6	40.6	40.4	39.4	40.4	40.8	40.5	39.7
Furniture and fixtures .....	40.2	40.2	40.0	39.1	39.9	40.0	40.0	40.1	39.3	40.0	40.0	39.7	39.4
Stone, clay, and glass products .....	42.5	42.8	42.5	41.9	42.3	42.0	42.2	42.1	41.9	42.6	42.5	42.6	42.2
Primary metal industries .....	42.6	42.6	42.6	42.3	43.1	43.1	43.4	43.5	43.4	43.7	43.7	43.5	43.5
Blast furnaces and basic steel products ..	42.7	42.3	42.3	42.4	43.3	43.5	44.1	44.0	45.2	44.3	44.0	44.1	44.2
Fabricated metal products .....	41.6	41.6	41.5	41.2	41.6	41.5	41.4	41.5	40.8	42.0	42.1	41.8	41.8
Machinery, except electrical .....	42.0	42.2	42.0	41.8	42.2	42.2	42.4	42.2	41.6	42.6	42.7	42.5	42.8
Electrical and electronic equipment .....	41.0	41.1	40.9	40.6	40.8	41.1	41.1	41.0	40.4	41.1	41.0	40.8	41.2
Transportation equipment .....	42.3	42.5	42.3	41.9	42.2	41.9	41.7	41.9	41.3	42.5	42.4	41.6	42.0
Motor vehicles and equipment .....	42.9	43.0	42.9	42.1	42.5	42.0	41.9	41.9	41.3	43.0	43.1	41.4	41.9
Instruments and related products .....	41.2	41.3	41.3	41.0	41.5	41.5	41.6	41.7	41.1	42.1	41.7	41.5	41.6
Miscellaneous manufacturing .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Nondurable goods</b> .....	40.1	40.3	40.1	39.7	40.2	40.2	40.3	40.3	40.1	40.5	40.4	40.3	40.3
<i>Overtime hours</i> .....	3.5	3.5	3.5	3.3	3.7	3.6	3.7	3.7	3.6	3.8	3.8	3.7	3.8
Food and kindred products .....	40.0	40.1	40.0	39.8	40.1	40.1	39.9	40.3	40.2	40.5	40.6	40.6	40.5
Tobacco manufactures .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Textile mill products .....	41.6	42.0	42.1	41.4	42.0	42.1	42.4	42.1	41.3	41.9	41.8	41.7	41.3
Apparel and other textile products .....	37.0	37.4	37.0	36.1	37.2	37.1	37.3	37.4	36.3	37.4	37.1	37.2	37.1
Paper and allied products .....	43.4	43.3	43.0	43.0	43.5	43.3	43.5	43.4	43.8	43.7	43.5	43.2	43.6
Printing and publishing .....	37.9	38.1	37.9	37.7	37.9	38.1	38.1	37.9	38.2	38.0	38.0	37.9	37.9
Chemicals and allied products .....	42.2	42.2	42.0	42.2	42.1	42.0	42.2	42.4	42.8	42.7	42.7	42.8	42.7
Petroleum and coal products .....	44.6	44.0	44.1	43.9	44.3	43.3	44.4	43.3	43.2	43.5	43.6	44.5	44.5
Rubber and misc. plastics products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Leather and leather products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Transportation and public utilities</b> .....	39.0	39.2	39.0	39.0	39.2	38.8	39.2	39.3	39.1	39.3	39.1	39.0	39.3
<b>Wholesale trade</b> .....	38.3	38.3	38.1	38.2	38.3	38.2	38.1	38.3	38.0	38.4	38.3	38.1	38.3
<b>Retail trade</b> .....	29.0	29.3	29.3	29.5	29.4	29.2	29.3	29.6	29.6	29.3	29.2	28.8	28.9
<b>Finance, insurance, and real estate</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Services</b> .....	32.4	32.6	32.5	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.5	32.7

<sup>1</sup> 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.

<sup>2</sup> 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.  
<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>p</sup>	Jan. <sup>p</sup>
<b>Total private</b> .....	118.7	119.7	119.6	119.6	120.2	120.0	120.6	121.2	120.4	121.9	122.2	121.9	122.2
<b>Goods-producing</b> .....	98.8	99.3	98.9	98.0	99.2	98.9	99.5	99.7	97.7	101.3	101.4	101.7	100.5
<b>Mining</b> .....	78.9	79.9	80.0	81.3	83.4	83.5	85.0	85.2	84.9	87.7	86.4	86.3	82.7
<b>Construction</b> .....	136.2	136.2	135.5	132.8	134.3	132.6	133.2	133.6	124.9	136.8	136.1	138.5	131.2
<b>Manufacturing</b> .....	92.5	93.1	92.8	92.1	93.1	93.1	93.6	93.8	93.1	95.0	95.4	95.3	95.4
<b>Durable goods</b> .....	90.0	90.6	90.2	89.6	90.5	90.5	90.6	91.2	90.1	92.6	93.0	92.7	92.8
Lumber and wood products .....	101.5	103.3	102.5	102.0	103.2	101.7	102.4	101.2	99.2	101.7	104.2	104.1	102.0
Furniture and fixtures .....	107.9	107.9	107.9	105.7	109.0	109.5	111.6	111.7	109.7	112.7	113.3	113.2	112.6
Stone, clay, and glass products .....	87.3	88.3	87.5	86.3	86.9	86.1	86.1	86.1	85.9	87.7	88.1	89.1	87.1
Primary metal industries .....	60.4	61.2	61.9	62.1	63.1	63.5	64.4	65.0	65.9	66.8	67.3	67.1	66.5
Blast furnaces and basic steel products .....	46.1	46.8	47.7	49.6	50.7	51.4	52.6	53.0	55.2	54.9	55.0	54.9	54.8
Fabricated metal products .....	89.1	89.1	88.9	88.4	89.0	89.1	89.0	89.4	88.2	91.3	92.2	92.0	92.2
Machinery, except electrical .....	84.2	85.1	84.7	84.8	86.0	86.5	87.0	87.4	86.7	89.3	90.1	90.1	91.4
Electrical and electronic equipment .....	100.8	100.8	99.9	99.0	99.4	99.9	100.6	100.8	99.3	102.0	102.0	102.4	103.5
Transportation equipment .....	97.5	98.9	98.2	96.6	97.3	96.6	94.3	97.4	95.2	97.8	97.3	95.1	95.1
Motor vehicles and equipment .....	87.5	89.0	88.0	85.6	86.1	85.1	81.5	86.1	83.3	86.9	86.7	82.9	82.3
Instruments and related products .....	101.8	102.0	101.7	101.0	102.0	102.2	103.0	103.0	102.1	105.1	104.6	104.1	104.9
Miscellaneous manufacturing .....	81.0	81.1	81.1	79.9	81.0	81.4	81.9	82.3	80.7	82.7	82.5	82.3	83.4
<b>Nondurable goods</b> .....	96.3	96.7	96.5	95.7	97.0	97.0	98.1	97.7	97.4	98.7	99.0	99.1	99.3
Food and kindred products .....	98.8	99.3	99.4	99.3	99.6	99.3	99.6	99.5	99.1	100.3	101.4	101.4	102.4
Tobacco manufactures .....	76.3	76.0	77.7	77.3	80.1	76.3	73.1	71.0	72.4	73.8	75.4	76.7	73.2
Textile mill products .....	81.2	82.3	82.9	81.3	82.9	83.3	84.8	83.7	82.4	83.7	83.8	83.4	82.1
Apparel and other textile products .....	85.8	86.1	85.3	83.5	85.8	85.9	88.2	86.6	84.8	87.8	87.6	87.4	86.6
Paper and allied products .....	100.6	100.6	99.7	99.5	100.5	100.0	100.8	100.4	101.9	101.3	101.0	100.7	102.1
Printing and publishing .....	129.5	130.2	129.4	128.7	130.0	131.1	131.4	131.4	132.6	132.3	133.0	132.9	133.6
Chemicals and allied products .....	93.2	93.4	93.1	93.4	93.7	92.8	94.5	95.5	96.4	96.3	97.0	97.9	98.0
Petroleum and coal products .....	84.3	83.1	83.3	82.9	84.5	83.4	84.7	83.4	83.2	84.5	83.9	87.3	86.5
Rubber and misc. plastics products .....	112.9	113.5	113.5	112.6	114.5	114.8	115.0	115.5	115.5	118.4	119.3	119.5	120.8
Leather and leather products .....	57.4	57.8	57.8	57.4	59.5	59.7	62.2	61.4	60.0	61.1	60.2	59.7	61.3
<b>Service-producing</b> .....	129.8	131.0	131.0	131.5	131.9	131.7	132.3	133.1	132.9	133.3	133.6	133.1	134.1
<b>Transportation and public utilities</b> .....	107.0	107.8	107.7	107.9	108.5	107.6	109.0	109.7	109.9	110.9	110.7	110.3	111.1
<b>Wholesale trade</b> .....	117.1	117.4	116.9	117.4	117.7	117.6	117.5	118.2	117.3	118.8	119.0	116.7	119.8
<b>Retail trade</b> .....	118.9	120.4	120.3	121.6	121.2	120.4	121.2	122.4	122.5	121.9	121.6	119.9	121.2
<b>Finance, insurance, and real estate</b> .....	140.4	141.0	141.5	142.0	142.5	142.7	142.0	143.0	141.4	142.2	142.9	141.3	142.5
<b>Services</b> .....	148.6	150.1	150.2	150.3	151.2	151.7	152.5	152.9	152.9	153.5	154.6	155.1	156.0

<sup>1</sup> 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.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 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 workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted**

Industry	1987												1988
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>2</sup>	Jan. <sup>3</sup>
Hourly Earnings Index <sup>2</sup> (1977 = 100)													
<b>Total private</b> (in current dollars) .....	171.2	171.8	172.2	172.6	172.9	172.9	173.2	174.1	174.6	174.9	175.8	175.4	176.3
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Construction</b> .....	152.8	152.4	153.8	153.7	154.1	155.0	154.3	154.7	154.0	154.7	156.6	154.5	156.7
<b>Manufacturing</b> .....	173.4	173.7	174.3	175.0	174.4	174.7	174.7	175.5	176.7	176.3	176.6	177.0	177.3
<b>Transportation and public utilities</b> ..	173.6	174.3	174.6	175.2	176.2	175.6	176.4	177.0	176.6	176.9	177.1	176.7	176.5
<b>Wholesale trade</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Retail trade</b> .....	158.9	158.9	159.0	159.8	160.2	160.3	160.9	161.5	162.7	162.2	162.3	161.9	162.6
<b>Finance, insurance, and real estate</b> ..	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Services</b> ..	177.5	178.4	179.0	179.4	179.9	179.9	180.5	182.4	182.3	183.9	185.2	184.8	186.4
<b>Total private</b> (in constant dollars) <sup>4</sup> ..	94.7	94.6	94.4	94.2	94.0	93.8	93.7	93.7	93.8	93.7	93.8	93.6	( <sup>5</sup> )
Average hourly earnings													
<b>Total private</b> .....	\$8.86	\$8.88	\$8.91	\$8.91	\$8.95	\$8.94	\$8.96	\$9.02	\$9.02	\$9.08	\$9.12	\$9.10	\$9.14
<b>Mining</b> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Construction</b> .....	\$12.51	\$12.48	\$12.62	\$12.61	\$12.65	\$12.72	\$12.67	\$12.71	\$12.67	\$12.68	\$12.84	\$12.65	\$12.84
<b>Manufacturing</b> .....	9.79	9.81	9.83	9.86	9.88	9.88	9.87	9.93	10.02	10.00	10.01	10.02	10.04
<b>Transportation and public utilities</b> ..	11.86	11.89	11.92	11.96	12.05	11.97	12.04	12.08	12.04	12.09	12.09	12.05	12.06
<b>Wholesale trade</b> .....	9.47	9.50	9.53	9.52	9.59	9.58	9.59	9.68	9.65	9.72	9.75	9.69	9.79
<b>Retail trade</b> .....	6.05	6.04	6.05	6.08	6.09	6.10	6.11	6.13	6.19	6.16	6.17	6.19	6.19
<b>Finance, insurance, and real estate</b> ..	8.59	8.66	8.67	8.69	8.74	8.68	8.74	8.88	8.79	8.85	8.97	8.82	8.92
<b>Services</b> ..	8.30	8.35	8.38	8.39	8.41	8.40	8.44	8.54	8.53	8.60	8.67	8.64	8.73
Average weekly earnings													
<b>Total private:</b>													
In current dollars .....	307.44	309.91	310.07	309.18	312.36	311.11	311.81	314.80	312.09	316.89	318.29	315.77	317.16
In constant (1977) dollars <sup>4</sup> ..	170.04	170.75	170.09	168.77	169.95	168.71	168.73	169.52	167.70	169.64	169.85	168.41	( <sup>5</sup> )

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

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

<sup>5</sup> Not available.

<sup>6</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1986 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1983 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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Alabama</b> .....	41.9	41.6	41.7	\$8.71	\$8.86	\$8.89	\$364.95	\$368.58	\$370.71
Birmingham .....	41.8	41.5	42.6	8.73	9.09	9.15	363.17	377.24	389.79
Mobile .....	42.0	40.7	40.8	10.38	10.82	10.82	435.96	432.23	433.30
<b>Alaska</b> .....	38.5	39.9	39.6	12.87	12.33	12.74	495.50	491.97	504.50
<b>Arizona</b> .....	41.4	40.5	41.0	10.04	9.99	9.94	415.86	404.60	407.54
<b>Arkansas</b> .....	41.3	40.9	41.7	7.95	7.97	8.04	328.34	325.97	335.27
Fayetteville-Springdale .....	42.2	42.8	43.4	7.10	7.43	7.49	299.82	316.52	325.07
Fort Smith .....	42.8	40.7	40.8	8.06	8.31	8.36	343.36	338.22	341.09
Little Rock-North Little Rock .....	41.7	41.8	42.5	8.45	8.30	8.39	352.37	348.94	358.58
Pine Bluff .....	46.6	43.1	43.0	11.95	10.61	10.44	556.87	457.29	448.92
<b>California</b> .....	41.1	41.0	41.1	10.58	10.88	10.98	434.84	446.08	451.28
<b>Colorado</b> .....	41.1	40.5	40.5	9.97	9.98	10.03	409.77	404.19	406.22
Denver .....	41.9	40.1	40.0	11.02	10.75	10.79	461.74	431.08	431.80
<b>Connecticut</b> .....	42.4	42.3	43.2	10.33	10.57	10.65	437.99	447.11	460.08
Bridgeport-Milford .....	41.9	41.3	42.4	10.65	11.01	11.15	446.23	454.71	472.76
Hartford .....	42.7	42.0	43.3	10.60	10.75	10.94	452.62	451.50	473.70
New Britain .....	43.0	43.5	44.7	10.70	10.88	10.85	460.10	473.28	485.00
New Haven-Meriden .....	41.8	40.2	40.9	9.94	10.13	10.27	415.49	407.23	420.04
Stamford .....	39.8	40.2	41.4	11.22	11.41	11.65	446.56	458.68	482.31
Waterbury .....	43.2	43.2	44.0	8.73	9.14	9.09	377.14	394.85	399.98
<b>Delaware</b> .....	42.3	39.7	40.2	10.60	10.77	10.59	448.38	427.57	425.72
Wilmington .....	42.4	39.6	39.2	12.55	13.50	13.51	532.12	534.60	529.59
<b>District of Columbia:</b>									
Washington MSA .....	38.8	38.1	39.8	10.44	10.99	10.97	405.07	418.72	436.61
<b>Florida</b> .....	42.1	41.0	41.4	8.13	8.26	8.24	342.27	338.66	341.14
Fort Lauderdale-Hollywood-Pompano Beach .....	43.7	43.1	43.3	7.98	8.16	8.24	348.73	351.70	356.79
Jacksonville .....	41.9	41.9	42.1	9.00	8.92	9.00	377.10	373.75	378.90
Lakeland-Winter Haven .....	40.7	40.9	42.2	7.89	8.22	8.28	321.12	336.20	349.42
Miami-Hialeah .....	40.8	40.4	40.8	7.09	7.08	7.17	289.27	286.03	292.54
Orlando .....	41.9	40.6	41.8	8.53	8.74	8.82	357.41	354.84	366.91
Pensacola .....	44.2	42.1	42.2	10.23	10.16	10.18	452.17	427.74	429.60
Tampa-St. Petersburg-Clearwater .....	41.5	40.8	41.7	7.56	7.78	7.88	313.74	317.42	327.78
West Palm Beach-Boca Raton-Delray Beach .....	44.3	42.5	44.1	9.00	9.45	9.47	398.70	401.63	417.63
<b>Georgia</b> .....	41.6	42.0	42.8	8.44	8.46	8.47	351.10	355.32	362.52
Atlanta .....	41.7	42.4	43.4	10.36	10.13	10.17	432.01	429.51	441.38
Savannah .....	45.8	47.0	47.7	10.81	11.09	11.01	495.10	521.23	525.18
<b>Hawaii</b> .....	39.7	40.5	39.8	9.05	9.53	9.33	359.29	385.97	371.33
Honolulu .....	39.5	39.7	39.3	9.30	9.79	9.50	367.35	388.86	373.35
<b>Idaho</b> .....	38.3	38.2	39.2	9.73	9.80	9.69	372.66	374.38	379.85
<b>Illinois</b> .....	41.6	41.9	42.1	10.73	10.81	10.83	446.37	452.94	455.94
Aurora-Elgin .....	41.9	42.9	42.4	10.13	10.65	10.54	424.45	458.89	446.90
Bloomington-Normal .....	41.5	41.5	40.9	10.67	10.92	10.76	442.81	453.18	440.08
Champaign-Urbana-Rantoul .....	41.9	41.3	41.7	9.48	9.09	9.12	397.21	375.42	380.30
Chicago .....	42.2	43.0	43.5	10.59	10.71	10.69	446.90	460.53	465.02
Davenport-Rock Island-Moline .....	40.8	40.8	39.3	12.08	12.76	12.89	492.86	518.06	506.58
Decatur .....	40.6	41.7	42.4	13.88	14.15	14.04	563.53	590.08	595.30
Joliet .....	42.7	41.5	41.6	11.83	11.86	11.88	505.14	492.19	494.21
Kankakee .....	42.6	39.8	39.1	10.11	9.79	9.83	430.69	389.64	376.53
Lake County .....	40.7	41.3	42.2	10.93	11.19	11.41	444.85	462.15	481.50
Peoria .....	41.2	45.6	43.2	12.85	13.19	13.26	529.42	601.46	572.83
Rockford .....	44.1	41.8	42.9	11.08	11.19	11.42	488.83	467.74	489.92
Springfield .....	41.7	42.2	41.6	12.03	11.89	11.71	501.65	501.76	487.14

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Indiana</b> .....	42.3	42.3	43.0	\$10.88	\$11.20	\$11.31	\$460.22	\$473.76	\$486.33
<b>Iowa</b> .....	41.6	42.2	42.8	10.24	10.67	10.77	425.98	450.27	460.96
Cedar Rapids .....	43.4	41.1	41.7	11.57	11.98	12.05	502.14	492.38	502.49
Des Moines .....	39.5	41.8	43.7	10.98	12.07	12.16	433.71	504.53	531.39
Dubuque .....	41.7	42.8	43.0	9.32	11.40	11.78	388.64	487.92	506.54
Sioux City .....	39.4	45.7	41.9	8.58	8.01	8.51	338.05	366.06	356.57
<b>Kansas</b> .....	41.0	41.0	40.9	10.06	10.10	10.10	412.46	414.10	413.09
Topeka .....	40.2	42.7	42.7	10.69	11.58	11.41	429.74	494.47	487.21
Wichita .....	41.4	41.3	41.7	10.98	10.78	10.65	454.57	445.21	444.11
<b>Kentucky</b> .....	40.5	41.6	41.5	10.01	10.08	10.16	405.41	419.33	421.64
Lexington-Fayette .....	38.5	40.6	40.9	10.24	10.32	10.39	394.24	418.99	424.95
Louisville .....	42.6	43.3	43.9	11.12	11.72	11.80	473.71	507.48	518.02
<b>Louisiana</b> .....	42.9	42.3	42.6	10.66	10.60	10.73	457.31	448.38	457.10
Baton Rouge .....	41.5	42.9	42.5	12.37	12.27	12.78	513.36	526.38	543.15
New Orleans .....	42.0	41.1	41.0	10.54	10.43	10.56	442.68	428.67	432.96
Shreveport .....	44.0	38.8	39.2	12.06	11.40	11.28	530.64	442.32	442.18
<b>Maine</b> .....	41.5	41.9	41.4	8.77	8.85	8.94	363.96	370.82	370.12
Lewiston-Auburn .....	40.2	40.0	41.4	7.38	7.52	7.62	296.68	300.80	315.47
Portland .....	40.0	43.2	43.1	9.31	9.01	9.04	372.40	389.23	389.62
<b>Maryland</b> .....	41.8	40.4	41.3	10.07	10.18	10.29	420.93	411.27	424.98
Baltimore MSA .....	42.5	41.8	42.6	10.67	10.90	11.12	453.48	455.62	473.71
<b>Massachusetts</b> .....	41.5	40.9	41.9	9.50	10.04	10.09	394.25	410.64	422.77
Boston .....	41.0	41.0	41.4	10.37	10.85	10.81	425.17	444.85	447.53
Springfield .....	42.7	42.4	42.5	9.04	9.37	9.41	386.01	397.29	399.93
Worcester .....	40.8	40.4	40.9	9.57	9.86	9.92	390.46	398.34	405.73
<b>Michigan</b> .....	43.7	42.9	43.0	12.84	13.06	13.19	561.11	560.27	567.17
Ann Arbor .....	46.3	46.2	45.9	14.06	14.33	14.26	650.98	662.05	654.53
Battle Creek .....	43.1	43.1	45.3	13.81	13.73	14.28	595.21	591.76	646.88
Detroit .....	44.9	44.0	44.8	13.79	14.12	14.33	619.17	621.28	641.98
Flint .....	43.3	41.3	40.7	14.60	15.75	16.25	632.18	650.47	661.37
Grand Rapids .....	41.7	40.6	41.8	10.75	11.15	11.19	448.27	452.69	467.74
Jackson .....	42.9	42.8	42.5	10.25	10.14	10.15	439.72	433.99	431.37
Kalamazoo .....	44.3	43.0	43.4	11.97	12.54	12.23	530.27	539.22	530.78
Lansing-East Lansing .....	44.3	42.1	34.8	14.25	13.99	13.99	631.27	588.98	486.85
Muskegon .....	42.1	40.9	41.9	11.69	11.89	12.04	492.15	486.30	504.48
Saginaw-Bay City-Midland .....	44.1	42.8	43.6	13.84	14.57	14.94	610.34	623.60	651.38
<b>Minnesota</b> .....	41.4	40.8	41.3	10.25	10.42	10.43	424.35	425.14	430.76
Duluth .....	37.5	36.0	38.5	10.74	10.76	10.85	402.75	387.36	417.73
Minneapolis-St. Paul .....	41.5	41.0	41.7	10.96	11.08	11.06	454.84	454.28	461.20
St. Cloud .....	38.7	39.2	40.9	9.03	9.89	9.80	349.46	387.69	400.82
<b>Mississippi</b> .....	40.8	40.8	41.3	7.58	7.64	7.70	309.26	311.71	318.01
Jackson .....	40.9	40.9	41.5	8.57	8.75	8.74	350.51	357.88	362.71
<b>Missouri</b> .....	41.5	41.3	42.1	9.75	9.90	9.94	404.63	408.87	418.47
Kansas City .....	41.8	41.8	42.1	11.31	11.20	11.32	472.76	468.16	476.57
St. Joseph .....	38.8	42.7	42.1	9.45	10.12	10.42	366.66	432.12	438.68
St. Louis .....	42.3	41.4	42.3	11.29	11.65	11.75	477.57	482.31	497.03
Springfield .....	42.8	39.7	43.0	8.60	8.52	8.60	368.08	338.24	369.80
<b>Montana</b> .....	38.7	38.8	39.3	10.73	10.31	10.39	415.25	400.03	408.33
<b>Nebraska</b> .....	40.7	41.9	42.3	9.34	9.49	9.53	380.14	397.63	403.12
Lincoln .....	41.8	40.7	42.4	9.85	10.40	10.42	411.73	423.28	441.81
Omaha .....	40.2	41.0	42.0	10.08	10.13	10.16	405.22	415.33	426.72
<b>Nevada</b> .....	41.6	40.6	40.6	9.63	9.82	9.65	400.61	398.69	391.79
Las Vegas .....	40.7	39.8	40.0	11.45	12.18	12.33	466.02	484.76	493.20

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>New Hampshire</b> .....	42.5	41.4	41.9	\$9.04	\$9.43	\$9.59	\$384.20	\$390.40	\$401.82
Nashua .....	43.7	41.1	42.8	11.15	11.88	11.94	487.26	488.27	511.03
<b>New Jersey</b> .....	41.5	41.4	41.7	10.32	10.61	10.71	428.28	439.25	446.61
<b>New Mexico</b> .....	40.4	39.7	41.2	9.06	8.88	8.42	366.02	352.54	346.90
Albuquerque .....	41.2	40.0	40.6	9.28	9.18	9.25	382.34	367.20	375.55
<b>New York</b> .....	40.6	40.5	40.5	10.06	10.18	10.22	408.44	412.29	413.91
Albany-Schenectady-Troy .....	41.2	40.8	40.7	10.42	10.65	10.81	429.30	434.52	439.97
Binghamton .....	40.8	41.0	41.8	9.07	9.34	9.27	370.06	382.94	387.49
Buffalo .....	43.2	42.2	42.4	11.93	11.91	11.71	515.38	502.60	496.50
Elmira .....	41.3	42.2	42.2	9.47	9.57	9.58	391.11	403.85	404.28
Glens Falls .....	41.9	( <sup>1</sup> )	( <sup>1</sup> )	9.64	( <sup>1</sup> )	( <sup>1</sup> )	403.92	( <sup>1</sup> )	( <sup>1</sup> )
Nassau-Suffolk .....	40.7	40.0	40.2	10.15	10.79	10.78	413.11	431.60	433.36
New York PMSA .....	38.0	37.4	37.5	9.40	9.68	9.68	357.20	362.03	363.00
New York City .....	37.7	37.0	37.1	9.21	9.46	9.50	347.22	350.02	352.45
Niagara Falls .....	41.8	42.6	42.6	12.70	13.21	13.44	530.86	562.75	572.54
Orange County .....	39.1	39.1	39.9	8.06	7.97	8.21	315.15	311.63	327.58
Poughkeepsie .....	43.4	40.3	41.3	9.16	9.58	9.74	397.54	386.07	402.26
Rochester .....	42.8	43.2	42.8	12.07	12.20	12.33	516.80	527.04	527.72
Rockland County .....	40.5	38.7	37.7	9.80	10.36	10.48	396.90	400.93	395.10
Syracuse .....	41.9	43.0	42.7	11.43	11.34	11.28	478.92	487.62	481.66
Utica-Rome .....	43.5	43.0	42.3	9.56	9.48	9.70	415.86	407.64	410.31
Westchester County .....	39.3	40.7	41.1	10.75	11.21	10.82	422.48	456.25	444.70
<b>North Carolina</b> .....	41.6	41.7	41.8	7.70	7.93	7.96	320.32	330.68	332.73
Asheville .....	42.5	43.6	43.3	7.72	8.01	8.02	328.10	349.24	347.27
Charlotte-Gastonia-Rock Hill .....	42.6	42.8	43.5	7.94	8.26	8.25	338.24	353.53	358.88
Greensboro-Winston-Salem-High Point .....	41.1	41.3	41.2	8.51	8.72	8.80	349.76	360.14	362.56
Raleigh-Durham .....	42.7	43.1	43.3	8.73	8.99	9.03	372.77	387.47	391.00
<b>North Dakota</b> .....	38.4	39.6	39.0	8.31	8.47	8.43	319.10	335.41	328.77
Fargo-Moorhead .....	38.6	40.4	39.5	8.60	8.72	8.72	331.96	352.29	344.44
<b>Ohio</b> .....	43.1	43.2	43.5	11.79	11.84	11.89	508.15	511.49	517.22
Akron .....	43.5	43.1	44.4	11.45	11.24	11.38	498.08	484.44	505.27
Canton .....	41.8	42.1	43.1	11.41	11.30	11.37	476.94	475.73	490.05
Cincinnati .....	43.0	43.3	44.0	10.98	11.02	11.10	472.14	477.17	488.40
Cleveland .....	43.4	43.8	44.1	11.65	11.66	11.67	505.61	510.71	514.65
Columbus .....	41.4	42.3	42.5	11.42	11.46	11.43	472.79	484.76	485.78
Dayton-Springfield .....	42.8	42.7	42.9	11.90	12.01	12.10	509.32	512.83	519.09
Toledo .....	42.9	42.8	43.3	12.55	12.81	12.84	538.40	548.27	555.97
Youngstown-Warren .....	42.9	42.4	42.0	13.51	13.37	13.44	579.58	566.89	564.48
<b>Oklahoma</b> .....	41.9	41.7	41.8	9.89	10.11	10.26	414.39	421.59	428.87
Oklahoma City .....	42.0	41.1	41.8	10.93	11.15	11.37	459.06	458.27	475.27
Tulsa .....	41.1	42.0	43.2	10.56	10.84	10.74	434.02	455.28	463.97
<b>Oregon</b> .....	39.6	39.7	39.4	10.51	10.64	10.73	416.20	422.41	422.76
Eugene-Springfield .....	40.4	40.7	40.1	10.69	10.81	11.02	431.88	439.97	441.90
Portland .....	39.7	40.0	40.3	10.85	10.84	10.87	430.75	433.60	438.06
Salem .....	38.1	37.7	37.4	9.39	9.04	9.38	357.76	340.81	350.81

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Pennsylvania</b> .....	41.2	41.5	41.8	\$9.86	\$10.18	\$10.22	\$406.23	\$422.47	\$427.20
Allentown-Bethlehem .....	39.3	40.2	40.5	10.38	10.36	10.48	407.93	416.47	424.44
Altoona .....	39.2	39.4	39.2	8.95	8.50	8.66	350.84	334.90	339.47
Beaver County .....	40.7	42.5	41.5	11.03	11.05	10.87	448.92	469.63	451.11
Erie .....	43.1	42.4	43.5	10.24	10.41	10.40	441.34	441.38	452.40
Harrisburg-Lebanon-Carlisle .....	40.6	39.9	40.6	9.25	9.62	9.60	375.55	383.84	389.76
Johnstown .....	38.1	41.1	40.0	8.39	8.83	8.69	319.66	362.91	347.60
Lancaster .....	41.1	41.0	41.3	9.63	9.85	9.92	395.79	403.85	409.70
Philadelphia PMSA .....	41.2	41.0	41.2	10.61	11.03	11.06	437.13	452.23	455.67
Pittsburgh .....	42.3	42.3	43.5	11.13	11.38	11.39	470.80	481.37	495.47
Reading .....	41.6	41.8	42.0	9.95	10.49	10.48	413.92	438.48	440.16
Scranton-Wilkes-Barre .....	39.1	38.9	39.1	8.61	8.86	8.90	336.65	344.65	347.99
Sharon .....	41.2	43.3	43.1	11.59	11.53	11.48	477.51	499.25	494.79
State College .....	38.7	39.2	39.5	8.09	8.45	8.22	313.08	331.24	324.69
Williamsport .....	40.9	42.6	41.8	8.67	8.72	8.67	354.60	371.47	362.41
York .....	42.1	43.3	43.8	9.21	9.64	9.50	387.74	417.41	416.10
<b>Rhode Island</b> .....	40.8	39.5	39.9	8.04	8.35	8.40	328.03	329.83	335.16
Pawtucket-Woonsocket-Attleboro .....	41.1	40.2	40.4	7.51	7.89	7.96	308.66	317.18	321.58
Providence .....	40.1	39.6	40.0	8.01	8.28	8.32	321.20	327.89	332.80
<b>South Carolina</b> .....	42.3	42.1	42.3	8.06	8.16	8.20	340.94	343.54	346.86
Charleston .....	43.0	42.3	42.4	9.26	9.00	9.03	398.18	380.70	382.87
Columbia .....	41.0	41.5	41.5	7.81	8.01	8.07	320.21	332.42	334.90
Greenville-Spartanburg .....	42.4	41.8	42.0	7.96	8.09	8.13	337.50	338.16	341.46
<b>South Dakota</b> .....	41.9	42.7	43.3	8.11	7.95	8.15	339.81	339.47	352.90
Sioux Falls .....	44.9	46.9	46.6	7.99	7.89	8.03	358.75	370.04	374.20
<b>Tennessee</b> .....	42.1	42.2	43.1	8.79	8.76	8.78	370.06	369.67	378.42
Chattanooga .....	43.1	41.5	43.0	7.83	7.96	7.87	337.47	330.34	338.41
Johnson City-Kingsport-Bristol .....	43.9	41.8	41.8	9.00	9.32	9.40	395.10	389.58	392.92
Knoxville .....	40.0	42.2	43.1	9.14	8.75	8.66	365.60	369.25	373.25
Memphis .....	42.8	41.8	42.5	8.89	8.95	9.40	360.49	374.11	399.50
Nashville .....	41.9	42.1	42.5	9.87	10.37	10.52	413.55	436.58	447.10
<b>Texas</b> .....	42.0	42.0	42.6	9.80	9.91	9.93	411.60	416.22	423.02
Dallas .....	42.6	42.0	42.8	9.60	9.73	9.77	408.96	408.66	418.16
Ft. Worth-Arlington .....	42.8	41.5	41.5	10.00	10.20	10.36	428.00	423.30	429.94
Houston .....	43.6	43.8	44.6	11.14	11.16	11.28	485.70	488.81	503.09
San Antonio .....	41.6	40.4	40.0	7.43	7.61	7.61	309.09	307.44	304.40
<b>Utah</b> .....	38.8	41.5	40.8	10.04	9.77	9.80	389.55	405.46	399.84
Salt Lake City-Ogden .....	40.7	41.6	41.0	9.80	9.81	9.77	398.86	408.10	400.57
<b>Vermont</b> .....	42.0	41.0	42.1	8.94	9.27	9.23	375.48	380.07	388.58
Burlington .....	45.3	41.0	41.3	9.69	10.26	9.71	438.96	420.66	401.02
<b>Virginia</b> .....	41.3	41.2	41.7	9.02	9.26	9.32	372.53	381.51	388.64
Bristol .....	42.0	43.2	44.0	7.51	7.75	7.76	315.42	334.80	341.44
Charlottesville .....	41.9	41.8	43.9	7.51	7.47	7.45	314.67	312.25	327.06
Danville .....	42.2	42.0	43.4	8.45	8.50	8.63	356.59	357.00	374.54
Lynchburg .....	42.0	41.1	42.3	8.64	8.79	8.87	362.88	361.27	375.20
Northern Virginia .....	41.5	38.2	39.8	9.70	10.04	10.30	402.55	383.53	409.94
Richmond-Petersburg .....	41.2	41.1	41.7	11.36	11.96	12.07	468.03	491.56	503.32
Roanoke .....	42.5	42.1	43.3	8.41	8.94	8.98	357.43	376.37	388.83

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Washington</b> .....	40.1	40.4	39.9	\$11.95	\$11.63	\$11.56	\$479.20	\$469.85	\$461.24
<b>West Virginia</b> .....	41.3	41.8	41.3	10.41	10.81	10.94	429.93	451.86	451.82
Charleston .....	43.7	43.5	43.3	12.71	13.46	13.20	555.43	585.51	571.56
Huntington-Ashland .....	40.2	41.4	41.9	12.11	12.48	12.28	486.82	518.67	514.53
Parkersburg-Marietta .....	41.3	42.8	42.7	12.45	11.87	11.75	514.19	508.04	501.73
Wheeling .....	42.2	42.4	42.1	12.00	12.27	12.01	506.40	520.25	505.82
<b>Wisconsin</b> .....	42.0	42.4	42.4	10.55	10.69	10.73	443.10	453.26	454.95
Appleton-Oshkosh .....	42.9	43.2	43.7	10.75	11.04	11.13	461.18	476.93	486.38
Eau Claire .....	40.9	42.1	41.3	10.38	10.81	11.02	424.54	455.10	455.13
Green Bay .....	42.4	41.6	42.1	11.59	11.51	11.43	491.42	478.82	481.20
Janesville-Beloit .....	39.7	40.0	40.2	11.91	12.13	12.20	472.83	485.20	490.44
Kenosha .....	41.1	40.7	40.8	11.73	12.47	12.51	482.10	507.53	510.41
La Crosse .....	39.5	41.8	41.0	9.44	8.96	9.13	372.88	374.53	374.33
Madison .....	40.8	40.8	40.8	9.87	9.84	9.82	402.70	401.47	400.66
Milwaukee .....	42.3	42.7	42.8	11.71	11.81	11.76	495.33	504.29	503.33
Racine .....	42.1	43.2	43.5	10.85	11.17	11.33	456.79	482.54	492.86
Sheboygan .....	43.6	42.1	43.0	9.74	9.57	9.70	424.66	402.90	417.10
Wausau .....	42.5	43.2	44.1	9.84	10.13	9.97	418.20	437.62	439.68
<b>Wyoming</b> .....	41.2	38.5	39.7	9.60	9.64	9.52	395.52	371.14	377.94
<b>Puerto Rico</b> .....	39.5	40.2	39.8	5.39	5.40	5.40	212.90	217.08	214.92
<b>Virgin Islands</b> .....	42.8	43.5	41.7	9.74	10.13	10.23	416.87	440.65	426.59

<sup>1</sup> Not available.  
<sup>P</sup> = 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.

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	Nov. 1987 <sup>r</sup>	Dec. 1987 <sup>r</sup>	Jan. 1988 <sup>p</sup>	Jan. 1987 to Jan. 1988 <sup>p</sup>	Nov. 1987 to Dec. 1987 <sup>r</sup>	Dec. 1987 to Jan. 1988 <sup>p</sup>
Total .....	192,399	192,724	192,741	2.7	0.2	0.0
Private sector .....	158,241	157,961	158,514	3.1	-.2	.4
Mining .....	1,660	1,684	1,639	2.4	1.4	-2.7
Construction .....	9,990	10,138	9,765	-2.5	1.5	-3.7
Manufacturing .....	41,260	41,246	41,298	2.6	.0	.1
Durable goods .....	24,540	24,508	24,538	2.4	-.1	.1
Nondurable goods .....	16,720	16,739	16,760	2.9	.1	.1
Transportation and public utilities .....	11,160	11,123	11,202	4.2	-.3	.7
Wholesale trade .....	11,631	11,627	11,725	2.6	.0	.8
Retail trade .....	27,972	27,555	28,009	2.8	-1.5	1.6
Finance, insurance, and real estate .....	12,582	12,544	12,602	3.0	-.3	.5
Services .....	41,985	42,042	42,273	4.9	.1	.5
Government .....	34,158	34,763	34,226	1.2	1.8	-1.5

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

<sup>p</sup> = preliminary.

= 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										
	1986	1987 <sup>p</sup>	1985			1986				1987			
			II	III	IV	I	II	III	IV	I	II	III <sup>f</sup>	IV <sup>p</sup>
<b>Business sector</b>													
Output per hour of all persons .....	109.5	110.5	107.2	108.2	107.9	109.5	109.7	109.6	109.6	109.7	110.1	111.3	111.1
Output .....	128.0	132.3	123.3	124.7	125.3	127.3	127.5	128.1	129.0	130.2	131.1	133.1	134.7
Hours .....	116.9	119.7	115.0	115.2	116.1	116.3	116.3	116.9	117.8	118.7	119.1	119.6	121.2
Compensation per hour .....	182.8	188.2	174.6	177.0	179.3	180.7	182.2	183.6	185.2	185.8	187.3	189.1	190.5
Real compensation per hour .....	101.0	100.3	98.6	99.4	99.7	100.1	101.3	101.4	101.6	100.7	100.3	100.3	100.2
Unit labor costs .....	166.9	170.2	162.8	163.6	166.1	165.0	166.2	167.5	169.0	169.4	170.2	169.8	171.4
Unit nonlabor payments .....	163.8	169.5	160.4	161.8	160.2	163.1	163.9	165.7	162.4	166.0	168.6	172.2	171.2
Implicit price deflator .....	165.8	170.0	162.0	163.0	164.0	164.3	165.4	166.9	166.7	168.2	169.6	170.7	171.3
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	107.5	108.4	105.7	106.4	105.9	107.7	107.7	107.5	107.5	107.6	108.0	109.1	109.0
Output .....	127.5	131.9	123.1	124.3	124.9	126.9	127.1	127.6	128.5	129.7	130.7	132.7	134.4
Hours .....	118.6	121.6	116.4	116.9	117.9	117.9	118.0	118.7	119.6	120.6	121.1	121.7	123.2
Compensation per hour .....	182.0	187.1	174.1	176.2	178.3	180.0	181.3	182.6	184.4	184.9	186.3	187.9	189.5
Real compensation per hour .....	100.6	99.8	98.3	98.9	99.2	99.7	100.8	100.9	101.2	100.2	99.7	99.6	99.6
Unit labor costs .....	169.3	172.6	164.7	165.7	168.3	167.2	168.4	169.8	171.5	171.8	172.5	172.2	173.8
Unit nonlabor payments .....	165.2	170.4	161.5	163.4	160.8	164.7	165.2	167.0	163.9	167.4	169.2	173.0	171.9
Implicit price deflator .....	167.8	171.8	163.6	164.9	165.7	166.4	167.3	168.8	168.8	170.3	171.4	172.5	173.1
<b>Manufacturing</b>													
Output per hour of all persons .....	128.8	133.0	124.1	125.3	126.1	127.6	128.4	129.3	129.8	130.8	132.9	134.1	134.1
Output .....	125.9	131.3	122.2	123.2	124.1	125.2	125.3	126.0	127.1	128.4	129.9	132.3	134.5
Hours .....	97.8	98.7	98.5	98.3	98.4	98.1	97.5	97.5	97.9	98.1	97.7	98.7	100.3
Compensation per hour .....	182.7	185.1	176.1	178.0	180.2	181.0	182.1	183.1	184.3	183.9	184.8	185.4	186.3
Real compensation per hour .....	100.9	98.7	99.5	99.9	100.2	100.3	101.2	101.2	101.2	99.6	98.9	98.3	97.9
Unit labor costs .....	141.8	139.1	142.0	142.1	142.9	141.9	141.8	141.7	142.0	140.5	139.0	138.2	138.9
<b>Durable goods</b>													
Output per hour of all persons .....	136.8	142.1	129.6	131.6	133.1	135.3	136.0	137.5	138.4	139.9	141.7	143.0	143.7
Output .....	134.1	139.6	129.3	130.8	132.2	133.6	133.2	134.1	135.3	136.9	137.8	140.1	143.5
Hours .....	98.0	98.2	99.8	99.4	99.4	98.8	98.0	97.5	97.8	97.8	97.2	98.0	99.9
Compensation per hour .....	181.4	183.3	174.4	176.6	179.4	179.9	180.8	181.6	183.1	182.2	182.9	183.4	184.4
Real compensation per hour .....	100.2	97.7	98.5	99.2	99.8	99.7	100.5	100.3	100.5	98.7	97.9	97.3	96.9
Unit labor costs .....	132.6	129.0	134.6	134.2	134.8	133.0	132.9	132.1	132.3	130.2	129.1	128.3	128.4
<b>Nondurable goods</b>													
Output per hour of all persons .....	116.8	119.6	115.4	115.6	115.4	116.0	117.0	117.0	117.1	117.4	119.9	121.1	120.0
Output .....	113.7	118.9	111.5	111.8	112.1	112.7	113.4	113.9	114.9	115.8	118.1	120.6	121.2
Hours .....	97.4	99.4	96.6	96.8	97.1	97.2	96.9	97.3	98.1	98.6	98.5	99.6	101.0
Compensation per hour .....	184.8	188.5	178.6	180.0	181.2	182.7	184.3	185.8	186.5	186.9	188.2	189.0	189.8
Real compensation per hour .....	102.1	100.5	100.8	101.0	100.8	101.2	102.4	102.7	102.4	101.2	100.7	100.2	99.8
Unit labor costs .....	158.3	157.5	154.7	155.7	157.0	157.5	157.5	158.8	159.3	159.1	156.9	156.1	158.1
<b>Nonfinancial corporations</b>													
Output per all-employee hour .....	109.9	( <sup>1</sup> )	107.7	109.2	108.9	109.8	109.7	109.9	110.5	109.7	109.9	110.8	( <sup>1</sup> )
Output .....	129.4	( <sup>1</sup> )	125.4	127.4	127.7	129.1	128.8	129.3	130.4	130.9	131.6	133.7	( <sup>1</sup> )
Hours .....	117.7	( <sup>1</sup> )	116.4	116.6	117.3	117.6	117.4	117.6	118.0	119.3	119.8	120.6	( <sup>1</sup> )
Compensation per hour .....	178.9	( <sup>1</sup> )	171.8	173.8	175.7	177.2	178.4	179.5	181.0	180.8	182.0	183.3	( <sup>1</sup> )
Real compensation per hour .....	98.9	( <sup>1</sup> )	97.0	97.6	97.7	98.2	99.1	99.2	99.3	98.0	97.4	97.2	( <sup>1</sup> )
Total unit costs .....	167.7	( <sup>1</sup> )	164.3	163.7	166.0	166.3	167.2	168.5	168.7	169.7	170.9	171.0	( <sup>1</sup> )
Unit labor costs .....	162.8	( <sup>1</sup> )	159.5	159.1	161.4	161.5	162.6	163.2	163.8	164.8	165.6	165.5	( <sup>1</sup> )
Unit nonlabor costs .....	182.2	( <sup>1</sup> )	178.7	177.5	179.4	180.7	180.6	184.2	183.2	184.1	186.6	187.3	( <sup>1</sup> )
Unit profits .....	129.3	( <sup>1</sup> )	132.2	142.5	128.7	129.7	129.5	130.6	127.7	132.2	132.9	142.1	( <sup>1</sup> )
Implicit price deflator .....	163.1	( <sup>1</sup> )	160.5	161.2	161.5	161.9	162.7	164.0	163.8	165.2	166.3	167.5	( <sup>1</sup> )

<sup>1</sup> Not available.

<sup>p</sup> = preliminary.

= revised.

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 1986	IV 1986	I 1987	II 1987	III 1987 <sup>1</sup>	IV 1987 <sup>2</sup>	III 1986	IV 1986	I 1987	II 1987	III 1987 <sup>1</sup>	IV 1987 <sup>2</sup>
<b>Business sector</b>												
Output per hour of all persons .....	-0.3	-0.1	0.5	1.4	4.7	-0.7	1.3	1.5	0.2	0.4	1.6	1.4
Output .....	1.8	3.0	3.5	3.0	6.3	4.8	2.7	2.9	2.3	2.8	3.9	4.4
Hours .....	2.1	3.1	3.0	1.6	1.5	5.6	1.5	1.4	2.1	2.5	2.3	2.9
Compensation per hour .....	3.0	3.6	1.4	3.3	3.8	3.1	3.7	3.3	2.8	2.8	3.0	2.9
Real compensation per hour .....	.5	.9	-3.7	-1.6	-1	-5	2.0	1.9	.6	-1.0	-1.1	-1.5
Unit labor costs .....	3.3	3.7	.9	1.8	-9	3.9	2.4	1.8	2.7	2.4	1.4	1.4
Unit nonlabor payments .....	4.5	-7.7	9.0	6.4	8.8	-2.3	2.4	1.4	1.8	2.8	3.9	5.4
Implicit price deflator .....	3.7	-5	3.7	3.4	2.5	1.6	2.4	1.7	2.3	2.6	2.3	2.8
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	-6	.0	.4	1.4	4.2	-2	1.1	1.5	-1	.3	1.5	1.4
Output .....	1.7	2.9	3.8	3.2	6.3	5.1	2.6	2.9	2.2	2.9	4.0	4.6
Hours .....	2.3	2.9	3.4	1.7	2.0	5.3	1.6	1.4	2.3	2.6	2.5	3.1
Compensation per hour .....	2.8	4.0	1.1	3.0	3.6	3.4	3.6	3.4	2.7	2.7	2.9	2.8
Real compensation per hour .....	.4	1.3	-3.9	-1.8	-3	-1	1.9	2.0	.5	-1.0	-1.2	-1.6
Unit labor costs .....	3.5	4.0	.8	1.5	-6	3.7	2.5	1.9	2.8	2.4	1.4	1.3
Unit nonlabor payments .....	4.2	-7.2	8.8	4.6	9.3	-2.5	2.2	1.9	1.6	2.4	3.6	4.9
Implicit price deflator .....	3.7	.0	3.4	2.6	2.7	1.5	2.4	1.9	2.4	2.4	2.2	2.5
<b>Manufacturing</b>												
Output per hour of all persons .....	2.7	1.7	3.2	6.4	3.7	.1	3.2	2.9	2.5	3.5	3.7	3.3
Output .....	2.3	3.7	4.0	4.7	7.6	7.0	2.3	2.4	2.5	3.7	5.0	5.8
Hours .....	-4	2.0	.8	-1.6	3.8	6.9	-9	-5	.0	.2	1.2	2.4
Compensation per hour .....	2.2	2.7	-1.0	2.0	1.3	2.1	2.9	2.3	1.6	1.5	1.2	1.1
Real compensation per hour .....	-2	.0	-6.0	-2.8	-2.5	-1.4	1.2	.9	-7	-2.3	-2.8	-3.2
Unit labor costs .....	-5	.9	-4.1	-4.2	-2.3	2.0	-3	-6	-1.0	-2.0	-2.4	-2.2
<b>Durable goods</b>												
Output per hour of all persons .....	4.4	2.6	4.5	5.3	3.6	2.0	4.5	4.0	3.4	4.2	4.0	3.8
Output .....	2.7	3.8	4.5	2.8	7.0	9.8	2.5	2.4	2.4	3.4	4.5	6.0
Hours .....	-1.7	1.1	.0	-2.4	3.3	7.7	-1.9	-1.5	-9	-7	.5	2.1
Compensation per hour .....	1.7	3.4	-1.9	1.6	1.1	2.2	2.8	2.1	1.3	1.2	1.0	.7
Real compensation per hour .....	-7	.7	-6.8	-3.1	-2.7	-1.4	1.1	.7	-9	-2.5	-3.0	-3.5
Unit labor costs .....	-2.6	.8	-6.1	-3.5	-2.4	.2	-1.6	-1.8	-2.1	-2.9	-2.8	-3.0
<b>Nondurable goods</b>												
Output per hour of all persons .....	.1	.4	1.1	8.7	3.9	-3.4	1.3	1.4	1.3	2.5	3.5	2.5
Output .....	1.7	3.6	3.1	8.2	8.8	2.1	1.8	2.5	2.7	4.1	5.9	5.5
Hours .....	1.6	3.3	1.9	-5	4.7	5.7	.6	1.1	1.4	1.6	2.3	2.9
Compensation per hour .....	3.4	1.5	.7	2.8	1.7	1.8	3.3	2.9	2.3	2.1	1.7	1.8
Real compensation per hour .....	.9	-1.1	-4.4	-2.0	-2.0	-1.7	1.6	1.6	.1	-1.6	-2.4	-2.5
Unit labor costs .....	3.3	1.2	-5	-5.4	-2.1	5.3	2.0	1.5	1.0	-4	-1.7	-7
<b>Nonfinancial corporations</b>												
Output per all-employee hour .....	.9	2.1	-2.9	.7	3.3	( <sup>1</sup> )	.7	1.5	.0	.2	.8	( <sup>1</sup> )
Output .....	1.6	3.4	1.5	2.2	6.4	( <sup>1</sup> )	1.5	2.1	1.4	2.2	3.4	( <sup>1</sup> )
Hours .....	.7	1.3	4.6	1.6	3.0	( <sup>1</sup> )	.8	.6	1.5	2.0	2.6	( <sup>1</sup> )
Compensation per hour .....	2.5	3.5	-5	2.6	2.9	( <sup>1</sup> )	3.3	3.0	2.0	2.0	2.1	( <sup>1</sup> )
Real compensation per hour .....	.0	.8	-5.5	-2.2	-9	( <sup>1</sup> )	1.6	1.6	-2	-1.7	-2.0	( <sup>1</sup> )
Total unit costs .....	3.3	.3	2.4	2.9	.1	( <sup>1</sup> )	2.9	1.6	2.0	2.2	1.4	( <sup>1</sup> )
Unit labor costs .....	1.5	1.3	2.5	2.0	-4	( <sup>1</sup> )	2.6	1.5	2.1	1.8	1.3	( <sup>1</sup> )
Unit nonlabor costs .....	8.2	-2.3	2.2	5.4	1.5	( <sup>1</sup> )	3.8	2.1	1.9	3.3	1.7	( <sup>1</sup> )
Unit profits .....	3.3	-8.5	14.7	2.1	30.7	( <sup>1</sup> )	-8.4	-8	1.9	2.6	8.8	( <sup>1</sup> )
Implicit price deflator .....	3.3	-5	3.5	2.8	2.8	( <sup>1</sup> )	1.7	1.4	2.0	2.3	2.1	( <sup>1</sup> )

<sup>1</sup> Not available.

<sup>2</sup> =preliminary.

=revised.

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		
	Dec. 1988	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1988	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1988	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Alabama</b> .....	1,875.7	1,914.6	1,904.7	179.8	131.9	134.5	9.6	8.9	7.1
Birmingham .....	441.8	452.6	452.6	38.4	26.8	26.3	8.2	5.9	5.8
Huntsville .....	127.9	131.7	131.8	9.3	5.9	8.0	7.2	4.5	4.5
Mobile .....	210.4	211.8	211.1	22.3	18.7	19.3	10.6	8.8	9.1
Montgomery .....	134.7	138.3	137.8	9.9	8.4	8.0	7.4	6.1	5.8
Tuscaloosa .....	69.3	71.9	71.7	5.2	3.7	3.8	7.5	5.2	5.3
<b>Alaska</b> .....	241.8	244.5	244.3	27.1	23.8	23.8	11.2	9.6	9.7
<b>Arizona</b> .....	1,626.9	1,678.1	1,681.4	108.3	93.8	93.2	6.7	5.8	5.5
Phoenix .....	1,011.4	1,044.4	1,045.6	57.0	49.7	49.3	5.6	4.8	4.7
Tucson .....	314.0	325.5	327.0	18.2	15.3	15.1	5.8	4.7	4.6
<b>Arkansas</b> .....	1,067.8	1,114.9	1,100.8	98.8	86.3	87.2	9.1	7.7	7.9
Fayetteville-Springdale .....	54.8	59.4	58.5	2.7	2.3	2.7	4.9	3.8	4.8
Fort Smith .....	88.8	90.8	91.3	6.3	5.6	5.5	7.1	6.2	6.1
Little Rock-North Little Rock .....	256.8	263.1	263.5	19.1	17.4	17.5	7.4	6.6	6.6
Pine Bluff .....	36.5	37.3	36.7	3.7	3.1	3.1	10.2	8.3	8.4
<b>California<sup>1</sup></b> .....	13,389.2	13,917.8	13,871.8	843.3	715.6	677.5	8.3	5.1	4.9
Anaheim-Santa Ana .....	1,271.8	1,326.0	1,307.6	46.9	40.0	33.0	3.7	3.0	2.5
Bakersfield .....	221.1	233.0	230.7	27.2	24.1	20.0	12.3	10.4	8.7
Fresno .....	289.7	285.8	290.8	35.8	32.1	28.4	12.4	11.2	9.8
Los Angeles-Long Beach <sup>1</sup> .....	4,121.0	4,278.0	4,300.0	246.0	191.0	205.0	8.0	4.5	4.8
Modesto .....	143.2	152.1	148.9	19.8	18.0	18.7	13.9	11.8	11.2
Oakland .....	1,015.6	1,055.0	1,047.7	54.6	47.6	41.9	5.4	4.5	4.0
Oxnard-Ventura .....	323.7	337.5	335.1	21.8	18.6	15.4	6.7	5.5	4.6
Riverside-San Bernardino .....	862.9	923.4	924.0	51.5	50.6	42.4	8.0	5.5	4.6
Sacramento .....	645.1	686.1	679.6	39.9	37.2	34.5	6.2	5.4	5.1
Salinas-Seaside-Monterey .....	150.8	153.5	151.8	17.8	13.1	14.7	11.8	8.5	9.7
San Diego .....	1,022.3	1,075.5	1,069.1	49.0	48.9	39.3	4.8	4.4	3.7
San Francisco .....	867.1	887.9	884.2	36.0	30.0	26.7	4.1	3.4	3.0
San Jose .....	795.4	808.9	806.8	41.3	32.8	28.4	5.2	4.0	3.5
Santa Barbara-Santa Maria-Lompoc .....	174.5	179.8	176.7	9.4	8.4	7.3	5.4	4.7	4.1
Santa Rosa-Petaluma .....	180.0	188.3	187.4	9.2	8.6	8.5	5.1	4.6	4.5
Stockton .....	179.0	185.8	181.9	21.6	19.0	18.2	12.1	10.2	10.0
Vallejo-Fairfield-Napa .....	179.0	191.4	189.7	11.2	10.4	9.9	8.3	5.4	5.2
<b>Colorado</b> .....	1,689.2	1,701.8	1,716.4	129.5	113.5	117.0	7.7	6.7	6.8
Boulder-Longmont .....	130.6	134.5	134.7	7.5	7.0	7.1	5.8	5.2	5.3
Denver .....	900.3	909.0	911.7	63.7	58.2	57.2	7.1	6.2	6.3
<b>Connecticut</b> .....	1,777.1	1,796.5	1,777.8	61.3	56.7	55.8	3.4	3.2	3.1
Bridgeport-Milford .....	234.6	236.8	233.0	10.0	8.5	8.1	4.3	3.6	3.5
Hartford .....	428.4	436.5	433.8	13.7	13.0	13.9	3.2	3.0	3.2
New Britain .....	75.7	76.0	75.6	3.1	2.4	2.6	4.1	3.1	3.5
New Haven-Meriden .....	274.9	279.3	275.6	6.6	6.7	6.3	3.1	3.1	3.0
Stamford .....	120.2	120.2	119.0	2.9	2.6	2.5	2.4	2.2	2.1
Waterbury .....	104.7	104.3	103.4	5.1	4.2	3.9	4.8	4.0	3.7
<b>Delaware</b> .....	330.4	331.6	333.4	12.1	9.8	9.7	3.7	3.0	2.9
Wilmington .....	289.7	288.5	291.4	11.8	8.8	9.0	4.1	3.0	3.1
<b>District of Columbia</b> .....	328.4	339.1	336.0	24.1	21.6	20.1	7.3	6.4	6.0
Washington .....	2,079.8	2,136.2	2,143.6	67.6	65.4	62.2	3.2	3.1	2.9
<b>Florida<sup>1</sup></b> .....	5,721.6	5,928.9	5,997.7	264.0	302.6	297.1	4.6	5.1	5.0
Daytona Beach .....	141.7	146.8	147.2	6.5	7.5	6.4	4.8	5.1	4.4
Fort Lauderdale-Hollywood-Pompano Beach .....	595.9	615.4	626.0	21.0	25.1	24.5	3.5	4.1	3.9
Fort Myers-Cape Coral .....	131.4	141.3	145.3	4.1	5.2	4.7	3.1	3.7	3.2
Gainesville .....	103.1	107.8	108.6	3.0	3.6	3.4	2.9	3.3	3.1
Jacksonville .....	428.8	449.2	453.7	18.4	23.3	23.3	4.3	5.2	5.1
Lakeland-Winter Haven .....	172.2	178.8	180.2	12.7	14.5	13.2	7.4	8.1	7.3
Melbourne-Titusville-Palm Bay .....	167.5	175.8	175.5	9.6	8.7	7.7	5.7	5.0	4.4
Miami-Hialeah .....	904.4	914.0	921.6	46.8	50.7	49.6	5.2	5.6	5.4
Orlando .....	542.1	570.0	577.3	19.9	24.3	25.4	3.7	4.3	4.4
Pensacola .....	148.1	151.0	153.2	10.3	9.3	10.6	7.0	8.2	6.9
Sarasota .....	110.8	116.2	118.0	3.7	4.4	4.3	3.3	3.8	3.7
Tallahassee .....	119.2	125.4	125.4	3.7	4.8	4.6	3.1	3.8	3.7
Tampa-St. Petersburg-Clearwater .....	940.3	961.9	973.3	41.2	45.6	48.4	4.4	4.7	4.8
West Palm Beach-Boca Raton-DeLray Beach .....	385.2	408.7	410.8	15.6	19.7	17.3	4.1	4.9	4.2

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Georgia</b> .....	3,050.9	3,068.7	3,070.0	173.1	167.1	164.8	5.7	5.4	5.4
Albany .....	55.9	55.5	55.4	8.0	4.8	4.9	10.7	8.8	8.9
Athens .....	71.6	74.5	73.4	3.7	3.2	3.3	5.1	4.3	4.8
Atlanta .....	1,443.5	1,452.7	1,458.7	64.2	68.1	64.8	4.4	4.7	4.4
Augusta .....	173.9	175.7	175.9	10.5	9.4	9.5	8.1	5.3	5.4
Columbus .....	99.0	99.5	100.1	7.1	8.2	7.5	7.2	6.3	7.4
Macon-Warner Robins .....	126.7	128.2	127.2	7.1	6.8	6.5	5.6	5.3	5.1
Savannah .....	110.5	109.4	110.0	8.7	6.6	6.6	8.1	6.1	6.0
<b>Hawaii</b> .....	493.2	507.6	512.2	20.6	19.1	19.1	4.2	3.8	3.7
Honolulu .....	370.2	381.2	385.4	14.2	12.6	13.0	3.8	3.3	3.4
<b>Idaho</b> .....	460.9	457.8	456.5	39.6	29.8	36.2	8.6	6.5	7.9
Boise City .....	104.0	102.8	102.5	6.2	5.0	5.5	5.9	4.9	5.4
<b>Illinois</b> <sup>1</sup> .....	5,614.0	5,703.4	5,670.1	390.6	360.8	392.6	7.0	6.3	6.9
Aurora-Elgin .....	170.9	176.8	177.4	9.5	7.8	9.1	5.8	4.4	5.1
Bloomington-Normal .....	62.9	65.1	64.0	3.0	3.0	3.4	4.7	4.6	5.3
Champaign-Urbana-Rantoul .....	85.1	87.1	85.8	3.5	3.4	3.8	4.1	3.9	4.4
Chicago .....	3,095.4	3,142.9	3,133.5	193.2	181.8	193.8	6.2	5.8	6.2
Davenport-Rock Island-Moline .....	178.6	176.5	177.2	14.1	12.8	15.3	7.9	7.2	8.7
Decatur .....	58.1	57.6	57.7	5.0	4.9	5.1	8.6	8.6	8.9
Joliet .....	188.8	188.2	187.8	13.3	12.1	13.4	7.0	6.4	7.1
Kankakee .....	43.3	44.4	44.2	3.6	3.9	4.4	8.3	8.9	9.9
Lake County .....	251.8	260.2	258.8	11.4	9.9	11.4	4.5	3.8	4.4
Peoria .....	150.8	151.5	150.3	11.7	10.1	10.7	7.8	8.7	7.1
Rockford .....	144.9	144.3	142.9	10.9	11.1	11.8	7.6	7.7	8.2
Springfield .....	104.0	105.1	105.1	5.1	5.5	6.2	4.9	5.3	5.9
<b>Indiana</b> .....	2,788.5	2,754.2	2,734.9	179.8	158.2	160.3	6.4	5.7	5.9
Anderson .....	62.2	58.3	57.9	4.0	3.5	3.8	6.4	6.0	6.5
Bloomington .....	60.6	61.5	60.1	2.1	2.3	2.3	3.5	3.8	3.8
Elkhart-Goshen .....	91.8	93.4	92.8	4.5	4.8	4.6	4.9	5.2	5.0
Evansville .....	145.2	140.6	138.9	9.4	8.9	8.6	8.5	6.3	6.2
Fort Wayne .....	193.8	195.1	193.6	9.8	10.1	10.2	5.1	5.2	5.3
Gary-Hammond .....	261.4	247.0	244.1	31.5	18.3	18.2	12.1	7.4	7.5
Indianapolis .....	663.3	660.1	653.5	31.8	32.9	33.0	4.8	5.0	5.1
Kokomo .....	49.9	48.2	48.6	3.6	2.8	3.0	7.2	5.7	6.2
Lafayette .....	66.7	66.5	65.4	2.4	2.8	2.4	3.8	4.1	3.8
Muncie .....	61.0	59.8	58.8	4.2	4.2	4.0	7.0	7.0	6.8
South Bend-Mishawaka .....	129.8	128.2	128.8	6.8	8.7	6.8	5.2	5.2	5.2
Terre Haute .....	61.5	58.4	57.7	4.1	3.5	3.4	6.7	5.9	5.9
<b>Iowa</b> .....	1,417.0	1,417.3	1,404.3	90.1	77.8	80.6	6.4	5.5	5.7
Cedar Rapids .....	89.0	87.5	87.3	4.6	4.3	4.1	5.2	4.9	4.7
Des Moines .....	216.0	216.8	217.6	10.7	9.0	8.9	4.9	4.1	4.1
Dubuque .....	43.7	44.1	43.9	3.3	3.1	3.0	7.5	7.1	6.8
Iowa City .....	57.6	58.0	57.6	1.3	1.3	1.1	2.2	2.2	1.9
Sioux City .....	58.0	58.4	58.9	4.0	3.6	3.9	7.0	6.3	8.7
Waterloo-Cedar Falls .....	68.9	68.9	68.7	7.0	5.0	5.0	10.2	7.2	7.3
<b>Kansas</b> .....	1,219.5	1,240.3	1,247.0	65.9	58.8	63.9	5.4	4.7	5.1
Lawrence .....	38.4	39.7	39.7	1.3	1.4	1.8	3.5	3.6	4.5
Topeka .....	87.2	89.0	90.2	4.2	4.4	4.9	4.8	4.9	5.4
Wichita LMA .....	224.7	234.0	236.0	13.0	11.1	12.1	5.8	4.7	5.1
<b>Kentucky</b> .....	1,703.6	1,678.7	1,678.5	144.1	120.5	123.1	8.5	7.2	7.3
Lexington-Fayette .....	182.6	178.8	177.6	9.3	8.0	7.8	5.1	4.5	4.4
Louisville .....	500.7	492.5	493.7	31.9	28.1	29.4	6.4	5.7	6.0
Owensboro .....	45.5	43.9	44.0	4.4	3.5	3.7	9.7	7.9	8.4
<b>Louisiana</b> .....	1,961.0	1,976.2	1,952.4	262.5	210.2	212.8	13.4	10.6	10.9
Alexandria .....	60.5	62.9	62.2	6.3	5.6	5.8	10.4	9.0	9.3
Baton Rouge .....	263.8	269.9	268.2	28.2	24.3	25.0	10.7	9.0	9.3
Houma-Thibodaux .....	75.9	72.2	71.4	14.2	9.0	9.0	18.7	12.4	12.6
Lafayette .....	104.3	102.7	101.4	16.0	10.7	10.8	15.3	10.5	10.4
Lake Charles .....	73.9	77.8	77.3	10.6	9.5	9.3	14.4	12.2	12.0
Monroe .....	70.5	71.8	70.9	7.4	6.8	6.7	10.5	9.4	9.5
New Orleans .....	598.8	607.1	601.4	65.0	57.0	56.5	10.9	9.4	9.4
Shreveport .....	167.1	167.8	165.3	21.3	17.1	17.7	12.8	10.2	10.7
<b>Maine</b> .....	556.6	601.4	600.1	24.0	21.0	21.3	4.3	3.5	3.5
Lewiston-Auburn .....	40.2	41.8	42.2	2.2	1.7	1.9	5.5	4.0	4.5
Portland .....	119.5	128.7	129.3	2.4	2.4	2.4	2.0	1.9	1.8

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>a</sup>
<b>Maryland</b> .....	2,385.3	2,404.9	2,416.1	99.3	99.7	101.2	4.2	4.1	4.2
Baltimore .....	1,182.1	1,158.4	1,167.0	55.7	52.0	55.7	4.8	4.5	4.8
<b>Massachusetts<sup>1</sup></b> .....	3,055.9	3,084.5	3,074.6	95.4	71.9	81.4	3.1	2.3	2.8
Boston .....	1,524.2	1,535.3	1,533.8	39.1	30.1	35.1	2.6	2.0	2.3
Brockton .....	96.9	98.2	98.3	3.3	2.7	2.7	3.4	2.7	2.8
Fall River .....	77.5	78.5	78.4	4.2	3.3	3.4	5.4	4.2	4.3
Fitchburg-Leominster .....	46.1	45.6	45.3	2.0	1.3	1.4	4.4	2.8	3.2
Lawrence-Haverhill .....	180.5	181.8	181.5	7.5	6.2	6.5	4.1	3.4	3.6
Lowell .....	148.4	147.9	146.7	5.1	3.8	4.0	3.5	2.8	2.7
New Bedford .....	84.9	83.8	83.3	4.4	3.0	3.3	5.1	3.6	4.0
Pittsfield .....	41.0	41.2	41.0	1.5	1.2	1.3	3.6	3.0	3.3
Springfield .....	248.3	252.5	252.4	8.4	5.8	6.5	3.4	2.3	2.6
Worcester .....	210.8	212.6	213.5	6.2	4.4	5.5	2.9	2.1	2.6
<b>Michigan<sup>1</sup></b> .....	4,476.7	4,533.4	4,485.4	340.5	334.8	371.8	7.6	7.4	8.3
Ann Arbor .....	156.0	162.6	161.2	5.6	5.6	5.9	3.6	3.5	3.7
Battle Creek .....	62.2	63.2	62.7	4.6	5.0	5.3	7.4	7.9	8.4
Benton Harbor .....	76.7	77.3	76.3	6.2	4.8	5.7	8.2	6.3	7.4
Detroit .....	2,186.2	2,205.0	2,186.2	153.4	160.6	175.9	7.0	7.3	8.0
Flint .....	202.9	206.4	203.1	19.0	28.1	28.5	9.4	13.8	14.0
Grand Rapids .....	340.0	343.8	340.4	22.7	18.6	21.0	6.7	5.4	6.2
Jackson .....	62.8	62.5	62.2	4.9	4.3	4.9	7.8	6.9	7.8
Kalamazoo .....	114.0	117.0	115.4	6.1	5.7	6.1	5.4	4.9	5.2
Lansing-East Lansing .....	236.2	238.6	235.3	14.1	13.8	15.2	6.0	5.8	6.5
Muskegon .....	68.3	67.3	66.9	7.3	5.8	6.2	10.8	8.6	9.3
Saginaw-Bay City-Midland .....	186.2	189.9	188.1	16.3	13.7	15.9	8.7	7.2	8.5
<b>Minnesota</b> .....	2,236.5	2,255.0	2,250.0	123.3	132.7	137.7	5.5	5.9	6.1
Duluth .....	104.1	103.2	102.5	10.3	9.5	9.8	9.9	9.2	9.5
Minneapolis-St.Paul .....	1,327.6	1,345.5	1,340.1	54.4	66.3	64.1	4.1	4.9	4.8
Rochester .....	56.3	58.8	58.2	2.3	3.0	2.5	4.0	5.1	4.3
St. Cloud .....	91.4	92.5	94.0	6.5	5.8	7.4	7.2	8.3	7.9
<b>Mississippi</b> .....	1,155.0	1,169.3	1,162.1	135.1	110.9	113.3	11.7	9.5	9.7
Jackson .....	197.3	200.9	200.5	16.0	13.2	12.9	8.1	6.6	6.4
<b>Missouri</b> .....	2,526.9	2,576.0	2,541.7	155.1	157.4	159.7	6.1	6.1	6.3
Kansas City .....	801.8	813.8	811.1	36.2	43.2	45.1	4.5	5.3	5.6
St. Joseph .....	41.4	41.3	40.8	3.1	2.9	2.8	7.5	7.0	6.8
St. Louis .....	1,240.3	1,254.4	1,242.0	82.4	81.5	80.2	8.6	6.5	8.5
Springfield .....	118.8	121.3	119.5	5.9	5.5	5.6	5.0	4.5	4.7
<b>Montana</b> .....	397.1	396.8	396.9	31.8	29.8	31.1	8.0	7.5	7.8
<b>Nebraska</b> .....	798.1	791.0	782.5	41.5	35.5	38.1	5.2	4.5	4.9
Lincoln .....	118.1	118.1	117.8	3.9	4.1	4.3	3.3	3.5	3.6
Omaha .....	314.5	309.5	309.2	16.7	15.2	15.8	5.3	4.9	5.1
<b>Nevada</b> .....	552.5	587.9	574.2	33.0	34.7	38.4	6.0	6.1	6.7
Las Vegas .....	320.3	332.0	335.8	19.6	21.1	22.7	6.1	6.4	6.8
Reno .....	139.3	138.9	140.7	7.6	7.7	9.0	5.4	5.5	6.4
<b>New Hampshire</b> .....	565.9	591.2	593.0	14.1	13.3	13.1	2.5	2.2	2.2
Nashua .....	93.2	98.1	99.5	2.2	2.4	2.3	2.3	2.4	2.3
Portsmouth-Dover-Rochester .....	125.5	131.7	131.7	3.0	2.3	2.2	2.4	1.7	1.7
<b>New Jersey<sup>1</sup></b> .....	3,851.8	3,962.3	3,945.2	151.3	128.7	141.3	3.9	3.2	3.6
Atlantic City .....	160.3	172.3	168.6	10.8	9.5	10.5	8.7	5.5	6.2
Bergen-Passaic .....	701.0	712.2	711.3	24.9	19.9	21.8	3.6	2.8	3.1
Jersey City .....	265.0	272.5	273.1	16.8	13.9	17.7	6.3	5.1	6.5
Middlesex-Somerset-Hunterdon .....	530.4	549.1	546.1	14.8	12.7	13.1	2.8	2.3	2.4
Monmouth-Ocean .....	445.4	461.2	459.6	14.5	12.6	14.0	3.3	2.7	3.0
Newark .....	951.8	967.4	962.7	38.7	32.8	34.4	4.1	3.4	3.6
Trenton .....	168.4	174.9	173.5	5.5	4.5	4.7	3.2	2.6	2.7
Vineland-Millville-Bridgeton .....	55.4	57.4	57.5	4.3	3.8	4.6	7.8	6.6	8.0
<b>New Mexico</b> .....	679.0	678.5	678.8	63.0	60.0	55.1	9.3	8.8	8.1
Albuquerque .....	259.3	260.2	262.6	16.7	18.1	16.0	6.5	7.0	6.1
Las Cruces .....	56.6	56.8	54.8	3.7	4.5	3.8	6.6	7.9	6.9
Santa Fe .....	64.7	64.7	65.5	3.7	3.6	3.6	5.7	5.6	5.5

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>New York<sup>1</sup></b> .....	8,453.9	8,589.8	8,539.2	460.1	423.2	355.2	5.4	4.9	4.2
Albany-Schenectady-Troy .....	411.2	420.4	423.0	19.3	14.8	14.2	4.7	3.5	3.3
Binghamton .....	124.7	127.5	129.3	6.1	4.5	4.5	4.9	3.5	3.5
Buffalo .....	438.8	448.9	451.8	27.3	22.4	21.3	6.2	5.0	4.7
Elmira .....	39.6	42.3	42.1	2.2	1.7	1.4	5.6	3.9	3.4
Glens Falls .....	50.4	52.2	52.6	3.4	2.6	2.7	6.7	4.9	5.1
Nassau-Suffolk .....	1,417.6	1,431.6	1,447.9	50.5	43.3	38.5	3.6	3.0	2.7
New York .....	3,933.8	3,980.3	3,904.7	225.3	236.6	176.8	5.7	5.9	4.6
New York City <sup>1</sup> .....	3,261.0	3,299.0	3,214.0	204.0	219.0	161.0	6.2	6.6	5.0
Orange County .....	125.4	129.3	130.2	5.3	4.4	4.2	4.2	3.4	3.2
Poughkeepsie .....	126.1	129.6	131.4	3.9	3.7	3.4	3.1	2.9	2.6
Rochester .....	490.8	498.7	501.3	25.5	19.4	17.9	5.2	3.9	3.6
Syracuse .....	318.5	320.8	321.5	21.8	17.7	16.6	6.9	5.5	5.2
Utica-Rome .....	134.0	135.9	136.4	8.8	6.3	6.5	6.6	4.6	4.8
<b>North Carolina<sup>1</sup></b> .....	3,218.6	3,335.8	3,298.3	155.3	134.1	136.9	4.8	4.0	4.2
Asheville .....	86.0	88.3	87.3	4.3	3.4	3.3	5.0	3.8	3.7
Charlotte-Gastonia-Rock Hill .....	602.1	634.6	631.5	23.9	20.9	21.1	4.0	3.3	3.3
Greensboro-Winston-Salem-High Point .....	503.2	519.3	515.4	19.4	17.6	16.9	3.9	3.4	3.3
Raleigh-Durham .....	390.7	403.7	399.9	12.2	12.0	11.4	3.1	3.0	2.9
<b>North Dakota</b> .....	313.1	315.0	312.0	20.6	16.5	18.1	6.6	5.2	5.8
Bismarck .....	43.1	43.6	43.7	3.0	2.5	2.6	6.9	5.8	6.0
Fargo-Moorhead .....	82.2	84.2	84.0	3.3	3.2	3.7	4.0	3.9	4.5
Grand Forks .....	35.1	35.7	35.7	1.3	1.6	1.6	3.8	4.6	4.6
<b>Ohio<sup>1</sup></b> .....	5,258.9	5,282.7	5,235.3	418.0	303.4	320.6	7.9	5.8	6.1
Akron .....	322.9	321.7	320.8	25.2	18.6	20.0	7.8	5.8	6.2
Canton .....	190.3	187.2	186.0	18.7	12.5	12.8	9.9	6.7	6.9
Cincinnati .....	738.5	747.5	744.9	45.5	38.3	36.8	6.2	5.1	4.9
Cleveland .....	935.9	938.0	932.6	65.5	50.0	50.2	7.0	5.3	5.4
Columbus .....	686.7	701.8	697.8	40.0	33.4	34.3	5.8	4.8	4.9
Dayton-Springfield .....	468.0	468.2	464.6	30.0	22.6	23.6	6.4	4.8	5.1
Toledo .....	313.7	316.3	315.7	24.5	18.2	18.8	7.8	5.7	6.3
Youngstown-Warren .....	228.7	222.7	221.5	25.1	15.9	17.4	11.0	7.1	7.9
<b>Oklahoma</b> .....	1,583.1	1,541.2	1,550.8	125.3	98.1	94.4	7.9	6.4	6.1
Enid .....	30.3	29.4	29.8	2.4	1.7	1.7	8.0	5.9	5.5
Lawton .....	48.6	47.9	48.6	2.6	2.3	2.2	5.3	4.8	4.6
Oklahoma City .....	512.8	499.7	502.2	32.5	26.8	25.4	6.3	5.4	5.1
Tulsa .....	358.0	353.6	355.2	29.7	25.8	24.1	8.3	7.3	6.8
<b>Oregon</b> .....	1,353.7	1,391.6	1,392.9	111.6	77.8	85.1	8.2	5.6	6.1
Eugene-Springfield .....	135.0	138.3	137.3	10.8	7.8	8.1	8.0	5.6	5.9
Portland .....	817.4	838.1	842.6	43.0	30.5	31.3	7.0	4.8	4.9
Salem .....	121.5	128.3	128.0	10.7	7.3	8.4	8.8	5.7	8.7
<b>Pennsylvania<sup>1</sup></b> .....	5,478.5	5,715.9	5,743.7	258.3	299.4	292.9	4.7	5.2	5.1
Allentown-Bethlehem .....	306.6	316.5	318.7	12.9	13.3	13.8	4.2	4.2	4.3
Altoona .....	58.5	59.4	60.3	3.7	4.4	4.7	6.6	7.3	7.8
Beaver County .....	61.7	62.9	62.5	5.5	6.7	6.2	8.9	10.7	10.0
Erie .....	124.6	129.6	129.3	7.8	9.4	8.9	8.3	7.3	6.9
Harrisburg-Lebanon-Carlisle .....	295.2	312.4	313.7	8.1	9.7	8.6	2.7	3.1	2.8
Johnstown .....	89.7	94.5	95.0	6.6	8.0	8.3	7.4	8.4	8.7
Lancaster .....	203.9	216.3	217.0	4.3	5.9	5.4	2.1	2.7	2.5
Philadelphia .....	2,339.5	2,441.1	2,455.3	83.5	100.4	95.8	3.6	4.1	3.9
Pittsburgh .....	929.1	981.2	965.0	54.7	61.2	61.7	5.9	6.4	6.4
Reading .....	185.5	172.5	173.8	5.9	6.3	6.0	3.5	3.6	3.5
Scranton-Wilkes-Barre .....	333.1	344.9	348.8	20.4	21.7	21.9	6.1	8.3	8.3
Sharon .....	47.1	50.8	50.4	3.1	3.0	3.0	6.6	5.8	6.0
State College .....	55.8	60.2	59.6	2.5	3.0	3.0	4.5	4.9	5.0
Williamsport .....	54.1	58.2	58.6	2.8	2.9	3.1	5.3	4.9	5.3
York .....	200.3	212.1	211.4	6.5	7.3	6.2	3.3	3.4	3.0
<b>Rhode Island</b> .....	519.6	530.4	531.2	19.5	16.4	18.8	3.7	3.1	3.5
Pawtucket-Woonsocket-Attleboro .....	167.8	170.2	170.3	7.2	5.6	6.9	4.3	3.3	4.0
Providence .....	339.5	345.0	345.4	12.2	10.2	11.7	3.6	3.0	3.4
<b>South Carolina</b> .....	1,600.6	1,858.8	1,648.5	94.0	74.5	79.5	5.9	4.5	4.8
Charleston .....	219.5	232.5	232.1	10.1	8.6	9.2	4.6	3.7	4.0
Columbia .....	219.0	232.1	231.5	7.9	7.8	8.0	3.6	3.4	3.4
Greenville-Spartanburg .....	323.7	334.7	333.1	15.6	11.8	12.0	4.8	3.5	3.6
<b>South Dakota</b> .....	339.0	344.3	339.8	18.9	18.9	16.1	5.0	5.5	4.7
Rapid City .....	38.9	38.3	38.6	1.9	1.8	1.8	5.0	4.7	4.7
Sioux Falls .....	69.9	71.1	69.9	3.0	4.9	3.7	4.3	6.9	5.3

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		
	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>	Dec. 1986	Nov. 1987	Dec. 1987 <sup>P</sup>
<b>Tennessee</b> .....	2,343.0	2,376.7	2,378.0	178.3	141.6	144.2	7.6	6.0	6.1
Chattanooga .....	204.3	206.7	207.9	13.7	10.5	10.4	6.7	5.1	5.0
Johnson City-Kingsport-Bristol .....	213.5	221.1	222.8	14.2	13.3	13.2	6.6	6.0	5.9
Knoxville .....	279.8	282.4	280.3	22.2	16.4	16.9	7.9	5.8	6.0
Memphis LMA .....	443.5	451.9	453.8	28.9	24.8	24.5	6.5	5.5	5.4
Nashville .....	517.8	511.6	514.8	23.1	22.5	22.9	4.5	4.4	4.4
<b>Texas</b> <sup>1</sup> .....	8,317.5	8,568.9	8,454.6	724.1	673.5	574.0	8.7	7.9	6.8
Abilene .....	55.8	58.0	57.0	5.0	4.4	3.5	8.9	7.5	6.2
Amarillo .....	100.4	105.8	104.4	8.2	8.5	5.2	6.2	8.2	4.9
Austin .....	437.8	453.8	447.6	25.8	29.3	24.2	5.9	6.5	5.4
Beaumont-Port Arthur .....	162.2	165.7	162.5	19.9	18.4	16.0	12.3	11.1	9.9
Brazoria .....	81.4	85.7	84.8	8.5	7.5	6.4	10.4	8.7	7.6
Brownsville-Harlingen .....	95.7	98.0	96.6	14.1	14.2	12.4	14.7	14.5	12.9
Bryan-College Station .....	57.4	61.4	60.5	3.6	3.0	2.4	6.2	4.9	4.0
Corpus Christi .....	168.0	168.7	165.9	20.5	17.5	15.0	12.2	10.4	9.0
Dallas .....	1,440.7	1,480.5	1,461.3	82.8	91.5	75.6	5.7	6.2	5.2
El Paso .....	231.1	243.4	239.6	24.8	25.9	22.7	10.7	10.6	9.5
Fort Worth-Arlington .....	671.8	703.5	692.8	43.0	46.0	38.7	6.4	6.5	5.6
Galveston-Texas City .....	107.0	109.2	108.3	11.3	10.9	9.7	10.6	9.9	9.0
Houston .....	1,620.2	1,655.7	1,633.7	160.9	131.6	109.9	9.9	7.9	6.7
Killeen-Temple .....	90.5	97.1	95.6	6.9	7.6	6.3	7.6	7.8	6.6
Laredo .....	45.4	47.3	47.0	7.7	6.9	6.6	16.9	14.6	13.9
Longview-Marshall .....	80.7	81.8	80.5	9.3	7.8	6.8	11.5	9.5	8.5
Lubbock .....	113.8	116.9	116.5	6.8	6.5	6.0	6.0	5.6	5.1
McAllen-Edinburg-Mission .....	150.4	159.5	157.4	29.8	29.4	25.8	19.8	18.4	18.4
Midland .....	51.9	52.9	52.6	5.5	3.8	3.2	10.6	7.3	6.0
Odessa .....	59.2	58.0	57.7	9.0	4.5	3.7	15.2	7.7	6.4
San Angelo .....	46.1	47.7	47.4	3.1	2.8	2.5	6.7	5.9	5.2
San Antonio .....	599.2	627.9	620.2	45.1	48.7	42.3	7.5	7.8	6.8
Sherman-Denison .....	49.6	52.1	51.5	3.9	3.8	3.4	7.8	7.4	6.6
Texarkana .....	58.2	59.8	59.6	4.9	4.6	4.2	8.4	7.7	7.1
Tyler .....	77.7	78.5	77.7	7.3	6.5	5.4	9.4	8.2	6.9
Victoria .....	36.6	39.3	39.1	3.7	3.0	2.6	9.7	7.6	6.7
Waco .....	93.7	98.4	96.8	7.6	8.1	6.9	8.1	8.3	7.2
Wichita Falls .....	57.7	59.4	59.0	4.6	4.1	3.7	7.9	6.9	6.2
<b>Utah</b> .....	763.0	761.0	768.1	45.6	41.9	44.4	6.0	5.5	5.8
Provo-Orem .....	100.1	100.2	100.7	7.2	5.3	5.4	7.2	5.3	5.3
Salt Lake City-Ogden .....	505.7	507.3	513.5	26.3	26.4	26.3	5.2	5.2	5.5
<b>Vermont</b> .....	296.8	296.9	302.8	13.3	10.1	10.6	4.5	3.4	3.5
Burlington .....	73.2	76.2	76.7	2.2	1.8	1.8	3.0	2.4	2.3
<b>Virginia</b> .....	2,931.4	2,995.3	2,996.4	137.9	107.7	110.2	4.7	3.6	3.7
Charlottesville .....	64.9	66.1	66.5	2.6	1.4	1.6	4.0	2.1	2.3
Danville .....	50.6	50.7	50.3	4.1	3.1	3.2	8.1	6.1	6.4
Lynchburg .....	70.8	71.0	71.2	3.6	3.3	3.4	5.1	4.7	4.7
Norfolk-Virginia Beach-Newport News .....	580.0	595.1	594.1	27.1	23.6	23.8	4.7	4.0	4.0
Richmond-Petersburg .....	417.8	430.2	432.9	16.7	14.7	15.1	4.0	3.4	3.5
Roanoke .....	119.9	121.4	121.4	5.7	4.4	4.5	4.7	3.6	3.7
<b>Washington</b> .....	2,184.3	2,245.3	2,254.9	180.3	157.2	173.7	8.3	7.0	7.7
Seattle .....	979.2	1,011.6	1,020.6	60.7	55.8	59.8	6.2	5.5	5.9
<b>West Virginia</b> .....	743.2	753.1	759.8	86.5	81.2	86.9	11.6	10.8	11.4
Charleston .....	116.2	119.3	119.7	10.0	11.2	10.9	8.6	9.4	9.1
Huntington-Ashland .....	127.5	124.5	126.8	12.9	11.1	12.3	10.2	8.9	9.7
Parkersburg-Marietta .....	72.6	71.8	72.4	8.0	5.4	5.7	11.1	7.5	7.8
Wheeling .....	71.5	71.2	71.5	7.8	5.8	6.5	11.0	8.2	9.1
<b>Wisconsin</b> .....	2,423.6	2,524.5	2,505.3	171.9	151.9	156.5	7.1	6.0	6.2
Appleton-Oshkosh-Neenah .....	159.7	167.6	166.4	11.5	9.6	9.5	7.2	5.7	5.7
Eau Claire .....	71.3	73.2	72.5	5.1	4.7	4.8	7.1	6.4	6.6
Green Bay .....	101.7	106.7	105.1	6.9	6.7	6.5	6.7	6.3	6.2
Janesville-Beloit .....	68.7	71.5	71.3	5.2	4.9	5.0	7.5	6.8	7.0
Kenosha .....	52.6	55.2	55.8	5.5	4.0	3.5	10.5	7.2	8.4
La Crosse .....	51.0	54.3	54.4	3.1	2.8	2.8	6.1	5.2	5.2
Madison .....	207.3	220.0	215.8	9.1	9.2	8.2	4.4	4.2	3.8
Milwaukee .....	724.1	745.0	742.9	41.9	38.4	39.6	5.8	5.1	5.3
Racine .....	86.4	86.4	86.8	7.5	5.5	5.6	8.7	6.4	6.4
Sheboygan .....	51.9	54.0	53.7	2.7	2.6	2.6	5.2	4.8	4.8
Wausau .....	57.8	61.0	61.1	4.3	3.8	3.9	7.5	6.2	8.4
<b>Wyoming</b> .....	239.5	235.6	233.7	23.3	18.8	18.0	9.7	7.1	7.7

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

<sup>2</sup> Not available.

<sup>P</sup> = 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.

**Revised**  
**Seasonally Adjusted**  
**Labor Force Series,**  
**1983–87**

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**1. Labor force by sex, age, race, Hispanic origin, and marital status**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Labor force, including resident Armed Forces, total</b>												
1983	112,362	112,298	112,251	112,499	112,465	113,547	113,420	113,913	113,993	113,621	113,913	114,015
1984	113,899	114,314	114,397	114,822	115,310	115,521	115,645	115,404	115,556	115,720	115,884	116,268
1985	116,457	116,606	117,012	117,040	116,916	116,723	116,993	117,037	117,613	117,787	117,857	118,017
1986	118,442	118,642	118,876	119,029	119,168	119,792	119,787	119,847	120,061	120,173	120,422	120,326
1987	120,726	120,970	120,982	121,098	121,633	121,326	121,610	122,042	121,706	122,128	122,349	122,472
<b>Labor force, including resident Armed Forces, men</b>												
1983	63,994	64,022	64,036	64,221	64,272	64,862	64,865	64,934	64,862	64,730	64,915	64,856
1984	64,888	65,003	65,058	65,148	65,205	65,563	65,481	65,417	65,633	65,571	65,712	65,832
1985	65,709	65,660	65,819	65,948	65,900	65,866	65,950	65,999	66,159	66,273	66,224	66,155
1986	66,614	66,651	66,746	66,792	66,813	67,015	67,018	66,969	67,177	67,134	67,415	67,409
1987	67,602	67,655	67,590	67,604	67,802	67,623	67,671	67,937	67,776	67,947	68,019	68,030
<b>Labor force, including resident Armed Forces, women</b>												
1983	48,368	48,276	48,215	48,278	48,193	48,685	48,555	48,979	49,131	48,891	48,998	49,159
1984	49,011	49,311	49,339	49,674	50,105	49,958	50,164	49,987	49,923	50,149	50,172	50,436
1985	50,748	50,946	51,193	51,092	51,016	50,857	51,043	51,038	51,454	51,514	51,632	51,862
1986	51,828	51,991	52,130	52,237	52,355	52,777	52,769	52,878	52,884	53,039	53,007	52,917
1987	53,124	53,315	53,392	53,494	53,831	53,703	53,939	54,105	53,930	54,181	54,330	54,442
<b>Civilian labor force, all civilian workers</b>												
1983	110,695	110,634	110,587	110,828	110,796	111,879	111,756	112,231	112,298	111,926	112,228	112,327
1984	112,213	112,630	112,711	113,129	113,620	113,831	113,947	113,692	113,836	114,015	114,185	114,570
1985	114,760	114,903	115,311	115,338	115,211	115,021	115,289	115,311	115,881	116,087	116,155	116,319
1986	116,751	116,951	117,183	117,334	117,481	118,112	118,115	118,150	118,345	118,424	118,671	118,576
1987	118,978	119,230	119,246	119,363	119,907	119,608	119,890	120,306	119,963	120,387	120,594	120,722
<b>Civilian labor force, men</b>												
1983	62,463	62,494	62,508	62,691	62,744	63,337	63,344	63,396	63,313	63,187	63,381	63,319
1984	63,346	63,463	63,516	63,600	63,660	64,018	63,930	63,854	64,062	64,014	64,160	64,282
1985	64,160	64,106	64,266	64,395	64,344	64,314	64,396	64,425	64,579	64,722	64,672	64,606
1986	65,075	65,112	65,206	65,251	65,280	65,490	65,500	65,428	65,617	65,544	65,823	65,816
1987	66,011	66,071	66,015	66,029	66,236	66,064	66,110	66,362	66,195	66,367	66,426	66,441
<b>Civilian labor force, women</b>												
1983	48,232	48,140	48,079	48,137	48,052	48,542	48,412	48,835	48,985	48,739	48,847	49,008
1984	48,867	49,167	49,195	49,529	49,960	49,813	50,017	49,838	49,774	50,001	50,025	50,288
1985	50,600	50,797	51,045	50,943	50,867	50,707	50,893	50,886	51,302	51,365	51,483	51,713
1986	51,676	51,839	51,977	52,083	52,201	52,622	52,615	52,722	52,728	52,880	52,848	52,760
1987	52,967	53,159	53,231	53,334	53,671	53,544	53,780	53,944	53,768	54,020	54,168	54,281
<b>Civilian labor force, both sexes, 16 to 19 years</b>												
1983	8,335	8,159	8,098	8,094	8,006	8,448	8,207	8,379	8,147	8,010	8,075	8,089
1984	7,964	7,959	7,926	7,987	7,942	8,132	8,030	7,813	7,953	7,869	7,856	7,936
1985	8,041	8,016	8,049	7,956	7,968	7,666	7,993	7,748	7,827	7,896	7,867	7,832
1986	7,724	7,883	7,951	8,037	7,983	8,015	7,904	7,960	7,958	7,980	7,923	7,781
1987	7,900	7,957	7,899	7,899	8,050	7,832	7,898	8,254	7,956	8,081	8,041	8,113
<b>Civilian labor force, men, 16 to 19 years</b>												
1983	4,358	4,303	4,263	4,234	4,213	4,475	4,339	4,397	4,294	4,224	4,277	4,235
1984	4,098	4,127	4,189	4,140	4,134	4,258	4,136	4,033	4,123	4,091	4,151	4,168
1985	4,205	4,143	4,194	4,201	4,186	4,097	4,199	4,096	4,063	4,126	4,066	4,051
1986	3,948	4,052	4,067	4,153	4,171	4,149	4,129	4,147	4,161	4,120	4,123	3,968
1987	4,100	4,141	4,082	4,059	4,107	4,010	4,004	4,279	4,110	4,156	4,127	4,193
<b>Civilian labor force, women, 16 to 19 years</b>												
1983	3,977	3,856	3,835	3,860	3,793	3,973	3,868	3,982	3,853	3,786	3,798	3,854
1984	3,866	3,832	3,737	3,847	3,808	3,874	3,894	3,780	3,830	3,778	3,705	3,768
1985	3,836	3,873	3,855	3,755	3,782	3,569	3,794	3,652	3,764	3,770	3,801	3,781
1986	3,776	3,831	3,884	3,884	3,812	3,866	3,775	3,813	3,797	3,860	3,800	3,813
1987	3,800	3,816	3,817	3,840	3,943	3,822	3,894	3,975	3,846	3,925	3,914	3,920



HOUSEHOLD DATA  
SEASONALLY ADJUSTED

1. Labor force by sex, age, race, Hispanic origin, and marital status—Continued

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, both sexes, 20 years and over												
1983	102,360	102,475	102,489	102,734	102,790	103,431	103,549	103,852	104,151	103,916	104,153	104,238
1984	104,249	104,671	104,785	105,142	105,678	105,699	105,917	105,879	105,883	106,146	106,329	106,634
1985	106,719	106,887	107,262	107,382	107,243	107,355	107,296	107,563	108,054	108,191	108,288	108,487
1986	109,027	109,068	109,232	109,297	109,498	110,097	110,211	110,190	110,387	110,444	110,748	110,795
1987	111,078	111,273	111,347	111,464	111,857	111,776	111,992	112,052	112,007	112,306	112,553	112,609
Civilian labor force, men, 20 years and over												
1983	58,105	58,191	58,245	58,457	58,531	58,862	59,005	58,999	59,019	58,963	59,104	59,084
1984	59,248	59,336	59,327	59,460	59,526	59,760	59,794	59,821	59,939	59,923	60,009	60,114
1985	59,955	59,963	60,072	60,194	60,158	60,217	60,197	60,329	60,516	60,596	60,606	60,555
1986	61,127	61,060	61,139	61,098	61,109	61,341	61,371	61,281	61,456	61,424	61,700	61,848
1987	61,911	61,930	61,933	61,970	62,129	62,054	62,106	62,083	62,085	62,211	62,299	62,248
Civilian labor force, women, 20 years and over												
1983	44,255	44,284	44,244	44,277	44,259	44,569	44,544	44,853	45,132	44,953	45,049	45,154
1984	45,001	45,335	45,458	45,682	46,152	45,939	46,123	46,058	45,944	46,223	46,320	46,520
1985	46,764	46,924	47,190	47,188	47,085	47,138	47,099	47,234	47,538	47,595	47,682	47,932
1986	47,900	48,008	48,093	48,199	48,389	48,756	48,840	48,909	48,931	49,020	49,048	48,947
1987	49,167	49,343	49,414	49,494	49,728	49,722	49,886	49,969	49,922	50,095	50,254	50,361
Civilian labor force, both sexes, 20 to 24 years												
1983	16,073	16,131	16,016	16,007	15,840	16,148	16,167	16,143	16,091	15,988	16,002	15,895
1984	16,008	15,987	16,036	16,069	16,108	16,204	16,123	15,911	15,995	16,001	16,062	16,019
1985	15,892	15,847	15,766	15,791	15,756	15,701	15,643	15,604	15,691	15,696	15,620	15,651
1986	15,573	15,705	15,608	15,485	15,441	15,461	15,440	15,326	15,414	15,298	15,297	15,286
1987	15,332	15,287	15,200	15,112	15,053	14,993	14,987	14,957	14,852	14,704	14,665	14,546
Civilian labor force, men, 20 to 24 years												
1983	8,592	8,594	8,499	8,542	8,471	8,750	8,716	8,689	8,595	8,558	8,571	8,512
1984	8,592	8,569	8,611	8,654	8,571	8,748	8,586	8,530	8,609	8,524	8,570	8,534
1985	8,388	8,355	8,303	8,318	8,337	8,304	8,226	8,235	8,266	8,229	8,237	8,208
1986	8,262	8,311	8,297	8,172	8,094	8,127	8,143	8,049	8,141	8,084	8,063	8,083
1987	8,026	8,049	7,967	7,940	7,871	7,830	7,852	7,825	7,773	7,679	7,657	7,554
Civilian labor force, women, 20 to 24 years												
1983	7,481	7,537	7,517	7,465	7,369	7,398	7,451	7,454	7,496	7,430	7,431	7,383
1984	7,416	7,418	7,425	7,415	7,537	7,456	7,537	7,381	7,386	7,477	7,492	7,485
1985	7,504	7,492	7,463	7,473	7,419	7,397	7,417	7,369	7,425	7,467	7,383	7,443
1986	7,311	7,394	7,311	7,313	7,347	7,334	7,297	7,277	7,273	7,214	7,234	7,203
1987	7,306	7,238	7,233	7,172	7,182	7,163	7,135	7,132	7,079	7,025	7,008	6,992
Civilian labor force, both sexes, 25 years and over												
1983	86,240	86,363	86,508	86,720	86,916	87,312	87,404	87,660	88,086	87,905	88,153	88,357
1984	88,217	88,710	88,794	89,082	89,523	89,471	89,824	89,934	89,916	90,114	90,270	90,621
1985	90,821	91,072	91,540	91,597	91,423	91,617	91,707	91,949	92,398	92,455	92,666	92,841
1986	93,448	93,392	93,667	93,820	93,995	94,587	94,833	94,893	95,008	95,099	95,441	95,495
1987	95,740	96,011	96,181	96,342	96,744	96,736	97,089	97,150	97,180	97,553	97,866	98,037
Civilian labor force, men, 25 years and over												
1983	49,461	49,621	49,771	49,936	50,032	50,111	50,277	50,317	50,445	50,377	50,533	50,570
1984	50,622	50,804	50,755	50,839	50,913	50,976	51,194	51,301	51,352	51,372	51,444	51,578
1985	51,551	51,653	51,805	51,900	51,757	51,871	51,971	52,117	52,274	52,338	52,367	52,346
1986	52,853	52,794	52,882	52,945	52,955	53,170	53,230	53,271	53,339	53,313	53,633	53,764
1987	53,874	53,925	53,996	54,036	54,202	54,186	54,268	54,309	54,327	54,509	54,629	54,689
Civilian labor force, women, 25 years and over												
1983	36,779	36,742	36,737	36,784	36,884	37,201	37,127	37,343	37,641	37,528	37,620	37,787
1984	37,595	37,906	38,039	38,243	38,610	38,495	38,630	38,633	38,564	38,742	38,826	39,043
1985	39,270	39,419	39,735	39,697	39,666	39,746	39,736	39,832	40,124	40,117	40,299	40,495
1986	40,595	40,598	40,785	40,875	41,040	41,417	41,603	41,622	41,669	41,786	41,808	41,731
1987	41,866	42,086	42,185	42,306	42,542	42,550	42,821	42,841	42,853	43,044	43,237	43,348

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**1. Labor force by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force, both sexes, 25 to 54 years</b>												
1983	71,266	71,251	71,499	71,776	71,944	72,320	72,423	72,753	72,996	72,856	73,019	73,247
1984	73,325	73,656	73,889	74,187	74,551	74,660	74,958	75,152	75,015	75,323	75,379	75,705
1985	76,009	76,102	76,431	76,651	76,480	76,760	76,873	77,126	77,563	77,558	77,756	78,012
1986	78,550	78,555	78,793	78,946	79,078	79,582	79,757	79,964	80,155	80,325	80,478	80,653
1987	80,829	81,104	81,239	81,437	81,755	81,768	82,093	82,252	82,236	82,470	82,640	82,855
<b>Civilian labor force, men, 25 to 54 years</b>												
1983	40,549	40,626	40,816	40,962	41,090	41,204	41,300	41,383	41,488	41,436	41,506	41,622
1984	41,747	41,879	41,945	42,040	42,107	42,267	42,398	42,495	42,506	42,624	42,676	42,803
1985	42,787	42,824	42,900	43,074	42,997	43,071	43,192	43,282	43,442	43,500	43,536	43,603
1986	44,025	44,053	44,110	44,154	44,171	44,398	44,460	44,542	44,639	44,618	44,842	44,937
1987	45,094	45,124	45,156	45,208	45,312	45,342	45,441	45,504	45,547	45,670	45,701	45,802
<b>Civilian labor force, women, 25 to 54 years</b>												
1983	30,717	30,625	30,683	30,814	30,854	31,116	31,123	31,370	31,508	31,420	31,513	31,625
1984	31,578	31,777	31,944	32,127	32,444	32,393	32,560	32,657	32,509	32,699	32,703	32,902
1985	33,222	33,278	33,531	33,577	33,483	33,689	33,661	33,844	34,121	34,058	34,220	34,409
1986	34,525	34,502	34,683	34,792	34,907	35,184	35,297	35,422	35,516	35,707	35,636	35,716
1987	35,735	35,980	36,083	36,229	36,443	36,426	36,652	36,748	36,891	36,800	36,939	37,053
<b>Civilian labor force, both sexes, 25 to 34 years</b>												
1983	31,426	31,417	31,483	31,640	31,804	31,888	31,842	31,953	32,075	31,971	32,173	32,185
1984	32,251	32,361	32,413	32,506	32,613	32,719	32,872	32,973	32,832	33,018	32,944	33,053
1985	33,189	33,209	33,290	33,412	33,339	33,476	33,566	33,584	33,983	33,833	33,804	33,925
1986	34,242	34,213	34,367	34,412	34,431	34,669	34,656	34,729	34,822	34,763	34,960	34,908
1987	34,947	35,043	35,075	35,149	35,206	35,228	35,330	35,388	35,233	35,278	35,392	35,452
<b>Civilian labor force, men, 25 to 34 years</b>												
1983	17,772	17,828	17,891	17,956	18,034	18,067	18,055	18,092	18,137	18,099	18,191	18,195
1984	18,270	18,287	18,320	18,364	18,368	18,444	18,562	18,606	18,574	18,661	18,621	18,677
1985	18,650	18,660	18,661	18,776	18,738	18,764	18,824	18,845	18,953	18,957	18,921	18,957
1986	19,318	19,281	19,326	19,309	19,251	19,393	19,400	19,430	19,474	19,385	19,551	19,556
1987	19,600	19,579	19,581	19,602	19,658	19,670	19,678	19,688	19,634	19,696	19,699	19,716
<b>Civilian labor force, women, 25 to 34 years</b>												
1983	13,654	13,589	13,592	13,684	13,770	13,821	13,787	13,861	13,938	13,872	13,982	13,990
1984	13,981	14,074	14,093	14,142	14,245	14,275	14,310	14,367	14,258	14,357	14,323	14,376
1985	14,539	14,549	14,629	14,636	14,601	14,712	14,742	14,739	15,030	14,876	14,883	14,968
1986	14,924	14,932	15,041	15,103	15,180	15,276	15,256	15,299	15,348	15,378	15,409	15,352
1987	15,347	15,464	15,494	15,547	15,548	15,558	15,652	15,700	15,599	15,582	15,693	15,736
<b>Civilian labor force, both sexes, 35 to 44 years</b>												
1983	23,088	23,150	23,267	23,351	23,381	23,563	23,684	23,777	23,914	23,936	24,004	24,170
1984	24,226	24,491	24,564	24,694	24,944	24,918	25,013	25,064	25,160	25,257	25,317	25,525
1985	25,586	25,586	25,779	25,843	25,907	26,049	26,058	26,179	26,231	26,406	26,574	26,629
1986	26,638	26,747	26,843	26,938	27,050	27,160	27,320	27,476	27,529	27,639	27,624	27,823
1987	27,989	28,112	28,172	28,245	28,394	28,364	28,545	28,604	28,671	28,765	28,767	28,835
<b>Civilian labor force, men, 35 to 44 years</b>												
1983	13,058	13,097	13,202	13,258	13,333	13,398	13,465	13,482	13,554	13,573	13,618	13,697
1984	13,761	13,865	13,888	13,937	14,016	14,042	14,059	14,055	14,146	14,178	14,208	14,287
1985	14,298	14,293	14,366	14,413	14,458	14,468	14,503	14,553	14,608	14,649	14,711	14,736
1986	14,755	14,815	14,844	14,884	14,944	14,987	15,055	15,116	15,162	15,211	15,250	15,321
1987	15,428	15,452	15,452	15,459	15,503	15,522	15,615	15,646	15,689	15,730	15,732	15,775
<b>Civilian labor force, women, 35 to 44 years</b>												
1983	10,030	10,053	10,065	10,093	10,048	10,165	10,219	10,295	10,360	10,363	10,386	10,473
1984	10,465	10,626	10,676	10,757	10,928	10,876	10,954	11,009	11,014	11,079	11,109	11,238
1985	11,288	11,293	11,413	11,430	11,449	11,581	11,555	11,626	11,623	11,757	11,863	11,893
1986	11,883	11,932	11,999	12,054	12,106	12,173	12,265	12,360	12,367	12,428	12,374	12,502
1987	12,561	12,660	12,720	12,786	12,891	12,842	12,930	12,958	12,982	13,035	13,035	13,060

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**1. Labor force by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, both sexes, 45 to 54 years												
1983	16,752	16,684	16,749	16,785	16,759	16,869	16,897	17,023	17,007	16,949	16,842	16,892
1984	16,848	16,804	16,912	16,967	16,994	17,023	17,073	17,115	17,023	17,048	17,118	17,127
1985	17,234	17,307	17,362	17,396	17,234	17,235	17,249	17,363	17,349	17,319	17,378	17,458
1986	17,670	17,595	17,583	17,596	17,597	17,753	17,781	17,759	17,804	17,923	17,894	17,922
1987	17,893	17,949	17,992	18,043	18,155	18,176	18,218	18,260	18,334	18,427	18,481	18,568
Civilian labor force, men, 45 to 54 years												
1983	9,719	9,701	9,723	9,748	9,723	9,739	9,780	9,809	9,797	9,764	9,697	9,730
1984	9,716	9,727	9,737	9,739	9,723	9,781	9,777	9,834	9,786	9,785	9,847	9,839
1985	9,839	9,871	9,873	9,885	9,801	9,839	9,865	9,884	9,881	9,894	9,904	9,910
1986	9,952	9,957	9,940	9,961	9,976	10,018	10,005	9,996	10,003	10,022	10,041	10,060
1987	10,066	10,093	10,123	10,147	10,151	10,150	10,148	10,170	10,224	10,244	10,270	10,311
Civilian labor force, women, 45 to 54 years												
1983	7,033	6,983	7,026	7,037	7,036	7,130	7,117	7,214	7,210	7,185	7,145	7,162
1984	7,132	7,077	7,175	7,228	7,271	7,242	7,296	7,281	7,237	7,263	7,271	7,288
1985	7,395	7,436	7,489	7,511	7,433	7,396	7,384	7,479	7,468	7,425	7,474	7,548
1986	7,718	7,638	7,643	7,635	7,621	7,735	7,776	7,763	7,801	7,901	7,853	7,862
1987	7,827	7,856	7,869	7,896	8,004	8,026	8,070	8,090	8,110	8,183	8,211	8,257
Civilian labor force, both sexes, 55 years and over												
1983	15,054	15,035	14,977	14,973	14,928	15,005	15,011	14,979	15,128	15,066	15,089	15,073
1984	14,957	14,980	14,864	14,933	14,919	14,847	14,857	14,852	14,943	14,810	14,837	14,898
1985	14,867	14,895	15,058	14,952	14,895	14,898	14,818	14,893	14,867	14,919	14,858	14,852
1986	14,920	14,777	14,813	14,856	14,895	15,053	15,041	14,999	14,896	14,809	14,913	14,866
1987	14,922	14,833	14,894	14,878	14,984	15,012	14,959	14,981	14,990	15,115	15,176	15,204
Civilian labor force, men, 55 years and over												
1983	8,958	8,942	8,931	8,972	8,911	8,955	8,987	8,946	8,977	8,955	9,014	8,943
1984	8,912	8,873	8,780	8,795	8,785	8,751	8,789	8,814	8,869	8,761	8,744	8,780
1985	8,788	8,780	8,879	8,817	8,747	8,832	8,770	8,832	8,846	8,851	8,809	8,773
1986	8,850	8,707	8,744	8,773	8,782	8,797	8,762	8,722	8,716	8,713	8,777	8,854
1987	8,791	8,767	8,825	8,807	8,892	8,862	8,824	8,805	8,797	8,857	8,918	8,911
Civilian labor force, women, 55 years and over												
1983	6,096	6,093	6,046	6,001	6,017	6,050	6,024	6,033	6,151	6,111	6,075	6,130
1984	6,045	6,107	6,084	6,138	6,134	6,096	6,068	6,038	6,074	6,049	6,093	6,118
1985	6,079	6,115	6,179	6,135	6,148	6,066	6,048	6,061	6,021	6,068	6,049	6,079
1986	6,070	6,070	6,069	6,083	6,113	6,256	6,279	6,277	6,180	6,096	6,136	6,012
1987	6,131	6,066	6,069	6,071	6,092	6,150	6,135	6,176	6,193	6,258	6,258	6,293
Civilian labor force, both sexes, 55 to 64 years												
1983	12,034	12,012	11,936	11,942	11,920	12,006	11,983	11,939	11,973	12,011	12,025	12,058
1984	11,945	11,998	11,939	12,012	11,982	11,985	11,975	11,944	11,966	11,843	11,914	12,001
1985	11,978	11,981	12,096	12,017	12,007	12,021	11,977	12,032	11,961	11,985	11,942	11,893
1986	11,873	11,776	11,826	11,838	11,874	11,984	11,995	12,003	11,898	11,886	11,907	11,851
1987	11,907	11,825	11,832	11,863	11,904	11,862	11,807	11,777	11,856	11,950	11,974	11,964
Civilian labor force, men, 55 to 64 years												
1983	7,123	7,117	7,077	7,123	7,106	7,121	7,113	7,089	7,101	7,124	7,151	7,137
1984	7,088	7,072	7,027	7,059	7,018	7,025	7,051	7,071	7,072	7,001	7,020	7,077
1985	7,065	7,045	7,092	7,073	7,024	7,114	7,086	7,088	7,061	7,063	7,036	6,972
1986	6,977	6,875	6,921	6,947	6,963	6,952	6,948	6,954	6,958	6,977	6,976	7,004
1987	6,993	6,961	6,985	6,960	6,995	6,923	6,920	6,844	6,900	6,927	6,956	6,914
Civilian labor force, women, 55 to 64 years												
1983	4,911	4,895	4,859	4,819	4,814	4,885	4,870	4,850	4,872	4,887	4,874	4,921
1984	4,857	4,926	4,912	4,953	4,964	4,960	4,924	4,873	4,894	4,842	4,894	4,924
1985	4,913	4,936	5,004	4,944	4,983	4,907	4,891	4,944	4,900	4,922	4,906	4,921
1986	4,896	4,901	4,905	4,891	4,911	5,032	5,047	5,049	4,940	4,909	4,931	4,847
1987	4,914	4,864	4,847	4,903	4,909	4,939	4,887	4,933	4,956	5,023	5,018	5,050

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**1. Labor force by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force, both sexes, 65 years and over</b>												
1983 .....	3,020	3,023	3,041	3,031	3,008	2,999	3,028	3,040	3,155	3,055	3,064	3,015
1984 .....	3,012	2,982	2,925	2,921	2,937	2,862	2,882	2,908	2,977	2,967	2,923	2,897
1985 .....	2,889	2,914	2,962	2,935	2,888	2,877	2,841	2,861	2,906	2,934	2,916	2,959
1986 .....	3,047	3,001	2,987	3,018	3,021	3,069	3,046	2,996	2,998	2,923	3,006	3,015
1987 .....	3,015	3,008	3,062	3,015	3,080	3,150	3,152	3,204	3,134	3,165	3,202	3,240
<b>Civilian labor force, men, 65 years and over</b>												
1983 ..	1,835	1,825	1,854	1,849	1,805	1,834	1,874	1,857	1,876	1,831	1,863	1,806
1984 ..	1,824	1,801	1,753	1,736	1,767	1,726	1,738	1,743	1,797	1,760	1,724	1,703
1985 ..	1,723	1,735	1,787	1,744	1,723	1,718	1,684	1,744	1,785	1,788	1,773	1,801
1986 ..	1,873	1,832	1,823	1,826	1,819	1,845	1,814	1,768	1,758	1,736	1,801	1,850
1987 ..	1,798	1,806	1,840	1,847	1,897	1,939	1,904	1,961	1,897	1,930	1,962	1,997
<b>Civilian labor force, women, 65 years and over</b>												
1983 .....	1,185	1,198	1,187	1,182	1,203	1,165	1,154	1,183	1,279	1,224	1,201	1,209
1984 .....	1,188	1,181	1,172	1,185	1,170	1,136	1,144	1,165	1,180	1,207	1,199	1,194
1985 .....	1,166	1,179	1,175	1,191	1,165	1,159	1,157	1,117	1,121	1,146	1,143	1,158
1986 .....	1,174	1,169	1,164	1,192	1,202	1,224	1,232	1,228	1,240	1,187	1,205	1,165
1987 .....	1,217	1,202	1,222	1,168	1,183	1,211	1,248	1,243	1,237	1,235	1,240	1,243
<b>Civilian labor force, white workers</b>												
1983 .....	96,186	96,126	96,131	96,316	96,370	97,359	97,226	97,596	97,600	97,470	97,724	97,829
1984 .....	97,703	98,005	98,209	98,343	98,670	98,871	98,715	98,277	98,537	98,655	98,691	99,096
1985 .....	99,330	99,530	99,861	99,781	99,671	99,613	99,732	99,738	100,262	100,529	100,494	100,592
1986 .....	100,935	101,121	101,243	101,314	101,402	102,025	102,052	102,098	102,224	102,310	102,490	102,474
1987 .....	102,669	102,825	102,836	102,972	103,416	103,150	103,248	103,516	103,357	103,669	103,731	103,907
<b>Civilian labor force, white men</b>												
1983 ..	54,875	54,999	55,042	55,160	55,261	55,795	55,726	55,762	55,668	55,666	55,768	55,760
1984 ..	55,783	55,854	55,976	55,952	55,938	56,336	56,092	55,913	56,173	56,112	56,178	56,307
1985 ..	56,242	56,229	56,355	56,471	56,423	56,480	56,460	56,441	56,585	56,755	56,664	56,591
1986 ..	56,946	57,005	57,018	57,070	57,028	57,273	57,228	57,208	57,394	57,341	57,592	57,604
1987 ..	57,664	57,735	57,644	57,641	57,810	57,702	57,643	57,795	57,746	57,943	57,911	57,969
<b>Civilian labor force, white women</b>												
1983 .....	41,311	41,127	41,089	41,156	41,109	41,564	41,500	41,834	41,932	41,804	41,956	42,069
1984 .....	41,920	42,151	42,233	42,391	42,732	42,535	42,623	42,364	42,364	42,543	42,513	42,789
1985 .....	43,088	43,301	43,506	43,310	43,248	43,133	43,272	43,297	43,677	43,774	43,830	44,001
1986 .....	43,989	44,116	44,225	44,244	44,374	44,752	44,824	44,890	44,830	44,969	44,898	44,870
1987 .....	45,005	45,090	45,192	45,331	45,606	45,448	45,605	45,721	45,611	45,726	45,820	45,938
<b>Civilian labor force, white workers, 16 to 19 years</b>												
1983 .....	7,340	7,224	7,206	7,133	7,056	7,386	7,198	7,313	7,149	7,061	7,069	7,129
1984 .....	7,036	7,038	7,051	7,006	6,983	7,113	6,973	6,728	6,923	6,871	6,818	6,912
1985 .....	6,969	6,971	6,971	6,863	6,880	6,684	6,869	6,660	6,790	6,859	6,824	6,783
1986 .....	6,702	6,874	6,847	6,906	6,876	6,914	6,811	6,881	6,904	6,942	6,924	6,777
1987 .....	6,878	6,924	6,862	6,864	6,996	6,786	6,809	7,001	6,836	6,915	6,886	6,970
<b>Civilian labor force, white men, 16 to 19 years</b>												
1983 .....	3,811	3,799	3,769	3,734	3,702	3,888	3,762	3,815	3,753	3,713	3,709	3,718
1984 .....	3,609	3,635	3,694	3,615	3,626	3,713	3,596	3,459	3,579	3,574	3,593	3,623
1985 .....	3,635	3,598	3,621	3,635	3,634	3,572	3,622	3,506	3,503	3,588	3,518	3,496
1986 .....	3,435	3,523	3,483	3,563	3,560	3,586	3,544	3,575	3,613	3,583	3,597	3,447
1987 .....	3,550	3,614	3,547	3,517	3,572	3,475	3,445	3,612	3,533	3,568	3,530	3,601
<b>Civilian labor force, white women, 16 to 19 years</b>												
1983 .....	3,529	3,425	3,437	3,399	3,354	3,498	3,436	3,498	3,396	3,348	3,360	3,411
1984 .....	3,427	3,403	3,357	3,391	3,357	3,400	3,377	3,269	3,344	3,297	3,225	3,289
1985 .....	3,334	3,373	3,350	3,228	3,246	3,112	3,247	3,154	3,287	3,271	3,306	3,287
1986 .....	3,267	3,351	3,364	3,343	3,316	3,328	3,267	3,306	3,291	3,359	3,327	3,330
1987 .....	3,328	3,310	3,315	3,347	3,424	3,311	3,364	3,389	3,303	3,347	3,356	3,369

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**1. Labor force by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, white workers, 20 years and over												
1983 .....	88,846	88,902	88,925	89,183	89,314	89,973	90,028	90,283	90,451	90,409	90,655	90,700
1984 .....	90,667	90,967	91,158	91,337	91,687	91,758	91,742	91,549	91,614	91,784	91,873	92,184
1985 .....	92,361	92,559	92,890	92,918	92,791	92,929	92,863	93,078	93,472	93,670	93,670	93,809
1986 .....	94,233	94,247	94,396	94,408	94,526	95,111	95,241	95,217	95,320	95,368	95,566	95,697
1987 .....	95,791	95,901	95,974	96,108	96,420	96,364	96,439	96,515	96,521	96,754	96,845	96,937
Civilian labor force, white men, 20 years and over												
1983 .....	51,064	51,200	51,273	51,426	51,559	51,907	51,964	51,947	51,915	51,953	52,059	52,042
1984 .....	52,174	52,219	52,282	52,337	52,312	52,623	52,496	52,454	52,594	52,538	52,585	52,684
1985 .....	52,607	52,631	52,734	52,836	52,789	52,908	52,838	52,935	53,082	53,167	53,146	53,095
1986 .....	53,511	53,482	53,535	53,507	53,468	53,687	53,684	53,633	53,781	53,758	53,995	54,157
1987 .....	54,114	54,121	54,097	54,124	54,238	54,227	54,198	54,183	54,213	54,375	54,381	54,368
Civilian labor force, white women, 20 years and over												
1983 .....	37,782	37,702	37,652	37,757	37,755	38,066	38,064	38,336	38,536	38,456	38,596	38,658
1984 .....	38,493	38,748	38,876	39,000	39,375	39,135	39,246	39,095	39,020	39,246	39,288	39,500
1985 .....	39,754	39,928	40,156	40,082	40,002	40,021	40,025	40,143	40,390	40,503	40,524	40,714
1986 .....	40,722	40,765	40,861	40,901	41,058	41,424	41,557	41,584	41,539	41,610	41,571	41,540
1987 .....	41,677	41,780	41,877	41,984	42,182	42,137	42,241	42,332	42,308	42,379	42,464	42,569
Civilian labor force, black workers												
1983 .....	11,623	11,576	11,566	11,583	11,604	11,739	11,728	11,722	11,724	11,573	11,628	11,680
1984 .....	11,722	11,882	11,852	11,849	11,950	11,981	12,091	12,193	12,103	12,199	12,268	12,295
1985 .....	12,314	12,289	12,283	12,343	12,341	12,301	12,358	12,328	12,402	12,410	12,460	12,560
1986 .....	12,542	12,521	12,645	12,715	12,744	12,742	12,607	12,517	12,666	12,727	12,723	12,706
1987 .....	12,807	12,894	12,853	12,778	12,889	12,892	13,039	13,150	13,028	13,152	13,193	13,215
Civilian labor force, black men												
1983 .....	5,934	5,882	5,889	5,920	5,935	6,044	6,042	6,023	5,986	5,924	5,991	5,979
1984 .....	6,037	6,119	6,089	6,026	6,101	6,091	6,134	6,160	6,147	6,196	6,179	6,214
1985 .....	6,181	6,202	6,158	6,178	6,191	6,165	6,216	6,231	6,288	6,288	6,249	6,299
1986 .....	6,349	6,330	6,384	6,384	6,436	6,417	6,377	6,285	6,368	6,397	6,364	6,391
1987 .....	6,448	6,450	6,435	6,427	6,481	6,433	6,512	6,571	6,495	6,500	6,536	6,530
Civilian labor force, black women												
1983 .....	5,689	5,694	5,677	5,663	5,669	5,695	5,686	5,699	5,738	5,649	5,637	5,701
1984 .....	5,685	5,763	5,763	5,823	5,849	5,890	5,957	6,033	5,956	6,003	6,089	6,081
1985 .....	6,133	6,087	6,125	6,165	6,150	6,136	6,142	6,097	6,114	6,122	6,211	6,261
1986 .....	6,193	6,191	6,261	6,331	6,308	6,325	6,230	6,232	6,298	6,330	6,359	6,315
1987 .....	6,359	6,444	6,418	6,351	6,408	6,459	6,527	6,579	6,533	6,652	6,657	6,685
Civilian labor force, black workers, 16 to 19 years												
1983 .....	813	783	774	806	801	881	821	848	804	780	800	799
1984 .....	770	802	771	820	776	831	862	864	863	864	852	856
1985 .....	894	889	891	895	909	833	935	867	872	906	881	902
1986 .....	890	897	936	939	926	927	846	814	878	873	836	849
1987 .....	850	893	864	855	865	856	862	974	929	952	941	948
Civilian labor force, black men, 16 to 19 years												
1983 .....	438	419	423	418	430	478	455	456	423	415	430	415
1984 .....	407	423	431	439	434	440	443	445	454	453	451	457
1985 .....	474	456	464	473	460	446	496	480	480	490	456	483
1986 .....	458	476	480	480	508	465	454	423	449	446	420	439
1987 .....	460	454	440	447	444	430	451	517	463	477	491	487
Civilian labor force, black women, 16 to 19 years												
1983 .....	375	364	351	388	371	403	366	392	381	365	370	384
1984 .....	363	379	340	381	342	391	419	419	409	411	401	399
1985 .....	420	433	427	422	449	387	439	387	392	416	425	419
1986 .....	432	421	456	459	418	462	392	391	429	427	416	410
1987 .....	390	439	424	408	421	426	411	457	466	475	450	461

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**1. Labor force by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, black workers, 20 years and over												
1983	10,810	10,793	10,792	10,777	10,803	10,858	10,907	10,874	10,920	10,793	10,828	10,881
1984	10,952	11,080	11,081	11,029	11,174	11,150	11,229	11,329	11,240	11,335	11,416	11,439
1985	11,420	11,400	11,392	11,448	11,432	11,468	11,423	11,461	11,530	11,504	11,579	11,658
1986	11,652	11,624	11,709	11,776	11,818	11,815	11,761	11,703	11,788	11,854	11,887	11,857
1987	11,957	12,001	11,989	11,923	12,024	12,036	12,177	12,176	12,099	12,200	12,252	12,267
Civilian labor force, black men, 20 years and over												
1983	5,496	5,463	5,466	5,502	5,505	5,566	5,587	5,567	5,563	5,509	5,561	5,564
1984	5,630	5,696	5,658	5,587	5,667	5,651	5,691	5,715	5,693	5,743	5,728	5,757
1985	5,707	5,746	5,694	5,705	5,731	5,719	5,720	5,751	5,808	5,798	5,793	5,816
1986	5,891	5,854	5,904	5,904	5,928	5,952	5,923	5,862	5,919	5,951	5,944	5,952
1987	5,988	5,996	5,995	5,980	6,037	6,003	6,061	6,054	6,032	6,023	6,045	6,043
Civilian labor force, black women, 20 years and over												
1983	5,314	5,330	5,326	5,275	5,298	5,292	5,320	5,307	5,357	5,284	5,267	5,317
1984	5,322	5,384	5,423	5,442	5,507	5,499	5,538	5,614	5,547	5,592	5,688	5,682
1985	5,713	5,654	5,698	5,743	5,701	5,749	5,703	5,710	5,722	5,706	5,786	5,842
1986	5,761	5,770	5,805	5,872	5,890	5,863	5,838	5,841	5,869	5,903	5,943	5,905
1987	5,969	6,005	5,994	5,943	5,987	6,033	6,116	6,122	6,067	6,177	6,207	6,224
Civilian labor force, Hispanic-origin workers												
1983	6,861	6,895	6,867	6,963	6,957	7,061	7,019	7,127	7,132	7,087	7,159	7,200
1984	7,269	7,206	7,353	7,317	7,389	7,464	7,477	7,511	7,552	7,561	7,586	7,706
1985	7,490	7,565	7,623	7,592	7,600	7,658	7,731	7,817	7,870	7,860	7,781	7,786
1986	7,763	7,895	7,928	7,956	7,977	8,098	8,161	8,145	8,207	8,208	8,233	8,328
1987	8,387	8,423	8,395	8,468	8,549	8,468	8,447	8,549	8,581	8,654	8,763	8,772
Civilian labor force, married men, spouse present												
1983	40,395	40,344	40,401	40,393	40,377	40,609	40,798	40,981	40,783	40,631	40,620	40,618
1984	40,636	40,822	40,773	40,883	40,928	40,943	41,056	41,008	41,055	40,932	41,098	41,230
1985	41,210	41,131	41,217	41,101	40,877	40,836	40,895	40,900	40,973	41,015	41,004	41,013
1986	41,291	41,221	41,207	41,282	41,479	41,521	41,498	41,510	41,503	41,585	41,739	41,899
1987	41,812	41,688	41,767	41,720	41,734	41,793	41,873	41,861	41,945	42,098	42,132	42,152
Civilian labor force, married women, spouse present												
1983	26,312	26,161	26,220	26,343	26,232	26,418	26,399	26,690	26,748	26,602	26,661	26,756
1984	26,644	26,858	26,853	27,071	27,290	27,236	27,231	27,335	27,285	27,449	27,473	27,592
1985	27,587	27,626	27,852	27,727	27,582	27,659	27,748	27,812	28,198	28,249	28,310	28,354
1986	28,431	28,231	28,312	28,323	28,411	28,729	28,867	28,836	28,773	28,845	28,855	28,870
1987	29,084	29,227	29,274	29,428	29,561	29,472	29,523	29,447	29,296	29,319	29,422	29,524
Civilian labor force, women who maintain families												
1983	5,822	5,787	5,858	5,697	5,645	5,723	5,697	5,750	5,854	5,880	5,909	5,970
1984	5,952	6,017	6,080	6,108	6,189	6,259	6,237	6,122	6,060	6,015	6,083	5,992
1985	6,185	6,207	6,227	6,282	6,330	6,351	6,281	6,311	6,246	6,100	6,184	6,269
1986	6,309	6,369	6,405	6,416	6,401	6,411	6,451	6,484	6,560	6,560	6,646	6,620
1987	6,603	6,553	6,582	6,592	6,590	6,640	6,653	6,712	6,748	6,779	6,816	6,795

2. Labor force participation rates by sex, age, race, and Hispanic origin

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Labor force participation rate, including resident Armed Forces, total												
1983	64.2	64.1	64.0	64.1	64.0	64.6	64.5	64.7	64.7	64.4	64.5	64.5
1984	64.3	64.5	64.4	64.6	64.8	64.9	64.9	64.7	64.7	64.8	64.8	65.0
1985	65.0	65.1	65.2	65.2	65.1	64.9	65.0	65.0	65.2	65.3	65.2	65.3
1986	65.3	65.4	65.4	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.8	65.6
1987	65.8	65.6	65.8	65.8	66.0	65.8	65.9	66.1	65.8	66.0	66.1	66.1
Labor force participation rate, including resident Armed Forces, men												
1983	76.5	76.5	76.4	76.6	76.6	77.2	77.1	77.1	77.0	76.7	76.9	76.7
1984	76.6	76.6	76.6	76.7	76.7	77.0	76.9	76.7	76.9	76.7	76.8	76.9
1985	76.7	76.6	76.7	76.8	76.7	76.6	76.6	76.6	76.7	76.8	76.7	76.5
1986	76.7	76.7	76.7	76.7	76.6	76.8	76.7	76.6	76.7	76.6	76.8	76.7
1987	76.8	76.8	76.6	76.6	76.7	76.5	76.4	76.7	76.4	76.6	76.6	76.5
Labor force participation rate, including resident Armed Forces, women												
1983	52.9	52.8	52.7	52.7	52.6	53.0	52.9	53.3	53.4	53.1	53.1	53.3
1984	53.0	53.3	53.3	53.6	54.0	53.8	54.0	53.7	53.6	53.8	53.8	54.0
1985	54.3	54.5	54.7	54.5	54.4	54.2	54.4	54.3	54.7	54.7	54.8	55.0
1986	54.9	55.0	55.1	55.1	55.2	55.6	55.6	55.6	55.6	55.7	55.6	55.5
1987	55.6	55.7	55.8	55.8	56.1	56.0	56.1	56.3	56.0	56.3	56.4	56.4
Civilian labor force participation rate, all civilian workers												
1983	63.9	63.8	63.7	63.8	63.7	64.3	64.1	64.3	64.3	64.0	64.1	64.1
1984	63.9	64.1	64.1	64.3	64.5	64.6	64.6	64.4	64.4	64.4	64.5	64.6
1985	64.7	64.7	64.9	64.9	64.7	64.6	64.7	64.6	64.9	64.9	64.9	64.9
1986	65.0	65.0	65.1	65.1	65.2	65.4	65.4	65.3	65.4	65.4	65.4	65.3
1987	65.4	65.5	65.5	65.5	65.7	65.5	65.6	65.7	65.5	65.7	65.7	65.7
Civilian labor force participation rate, men												
1983	76.1	76.0	76.0	76.1	76.1	76.8	76.7	76.7	76.5	76.3	76.5	76.3
1984	76.1	76.2	76.2	76.3	76.3	76.6	76.4	76.3	76.5	76.3	76.4	76.5
1985	76.3	76.2	76.3	76.4	76.3	76.2	76.2	76.2	76.3	76.4	76.2	76.1
1986	76.3	76.2	76.3	76.2	76.2	76.4	76.3	76.2	76.3	76.1	76.4	76.3
1987	76.4	76.4	76.2	76.2	76.3	76.0	76.0	76.3	76.0	76.1	76.1	76.1
Civilian labor force participation rate, women												
1983	52.9	52.7	52.6	52.6	52.5	53.0	52.8	53.2	53.3	53.0	53.1	53.2
1984	52.9	53.2	53.2	53.5	53.9	53.7	53.9	53.7	53.5	53.7	53.7	53.9
1985	54.2	54.4	54.6	54.5	54.3	54.1	54.3	54.2	54.6	54.6	54.7	54.9
1986	54.8	54.9	55.0	55.1	55.2	55.5	55.5	55.6	55.5	55.6	55.5	55.4
1987	55.5	55.7	55.7	55.8	56.1	55.9	56.1	56.2	56.0	56.2	56.3	56.4
Civilian labor force participation rate, both sexes, 16 to 19 years												
1983	53.7	52.7	52.5	52.6	52.2	55.2	53.8	55.1	53.8	53.0	53.6	53.8
1984	53.2	53.3	53.3	53.9	53.7	55.2	54.7	53.3	54.4	53.9	53.9	54.5
1985	55.0	54.9	55.2	54.7	55.0	52.9	55.3	53.6	54.1	54.6	54.4	54.1
1986	53.4	54.5	54.9	55.5	55.1	55.4	54.6	54.9	54.9	54.9	54.4	53.4
1987	54.3	54.7	54.3	54.2	55.2	53.6	54.0	56.3	54.4	55.1	54.8	55.5
Civilian labor force participation rate, men, 16 to 19 years												
1983	56.0	55.5	55.1	54.9	54.8	58.3	56.7	57.7	56.5	55.7	56.6	56.2
1984	54.6	55.1	56.2	55.7	55.8	57.7	56.2	54.9	56.2	55.9	56.8	57.1
1985	57.4	56.7	57.4	57.7	57.5	56.3	57.9	56.5	56.1	57.0	56.0	55.8
1986	54.5	55.9	56.0	57.1	57.3	57.0	56.8	56.9	57.2	56.5	56.4	54.3
1987	56.2	56.7	55.9	55.5	56.1	54.6	54.5	58.2	55.8	56.4	56.0	57.2
Civilian labor force participation rate, women, 16 to 19 years												
1983	51.4	49.9	49.8	50.3	49.6	52.1	50.9	52.5	51.0	50.3	50.6	51.5
1984	51.7	51.5	50.4	52.0	51.7	52.7	53.2	51.7	52.5	51.9	51.0	51.9
1985	52.6	53.1	53.0	51.8	52.4	49.6	52.8	50.8	52.2	52.2	52.7	52.4
1986	52.3	53.0	53.8	53.8	52.9	53.7	52.5	52.8	52.6	53.3	52.4	52.5
1987	52.4	52.7	52.7	52.9	54.2	52.5	53.5	54.5	52.9	53.8	53.7	53.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**2. Labor force participation rates by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force participation rate, both sexes, 20 years and over</b>												
1983 ..	64.9	64.8	64.8	64.9	64.8	65.1	65.1	65.2	65.3	65.1	65.1	65.1
1984 ..	64.9	65.1	65.1	65.2	65.5	65.4	65.5	65.4	65.3	65.4	65.4	65.5
1985 ..	65.6	65.6	65.8	65.8	65.6	65.6	65.5	65.6	65.8	65.8	65.8	65.9
1986 ..	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.4	66.3
1987 ..	66.4	66.5	66.4	66.4	66.6	66.5	66.6	66.6	66.5	66.6	66.7	66.6
<b>Civilian labor force participation rate, men, 20 years and over</b>												
1983 ..	78.2	78.2	78.2	78.3	78.3	78.7	78.7	78.7	78.6	78.4	78.5	78.3
1984 ..	78.3	78.3	78.2	78.3	78.2	78.4	78.4	78.4	78.4	78.3	78.3	78.3
1985 ..	78.1	78.0	78.1	78.2	78.1	78.1	77.9	78.0	78.2	78.2	78.1	78.0
1986 ..	78.3	78.1	78.1	78.0	78.0	78.2	78.1	77.9	78.1	77.9	78.2	78.3
1987 ..	78.2	78.2	78.1	78.1	78.2	78.0	78.0	77.9	77.9	78.0	78.0	77.8
<b>Civilian labor force participation rate, women, 20 years and over</b>												
1983 ..	53.0	53.0	52.9	52.8	52.8	53.1	53.0	53.3	53.5	53.2	53.3	53.3
1984 ..	53.0	53.4	53.4	53.6	54.1	53.8	54.0	53.8	53.6	53.9	53.9	54.1
1985 ..	54.4	54.5	54.8	54.7	54.5	54.5	54.4	54.5	54.8	54.8	54.9	55.1
1986 ..	55.0	55.1	55.1	55.2	55.3	55.7	55.7	55.8	55.7	55.8	55.8	55.6
1987 ..	55.8	55.9	55.9	56.0	56.2	56.2	56.3	56.3	56.2	56.4	56.5	56.6
<b>Civilian labor force participation rate, both sexes, 20 to 24 years</b>												
1983 ..	77.1	77.4	76.9	76.9	76.1	77.6	77.7	77.7	77.5	77.0	77.1	76.6
1984 ..	77.0	76.9	77.2	77.5	77.7	78.2	77.9	77.0	77.5	77.7	78.1	77.9
1985 ..	78.2	78.1	77.9	78.1	78.1	77.9	77.7	77.8	78.6	78.8	78.7	79.0
1986 ..	78.5	79.3	79.1	78.6	78.5	78.9	78.9	78.7	79.3	78.8	79.1	79.4
1987 ..	79.7	79.6	79.4	79.0	79.0	78.9	79.0	79.2	78.7	78.3	78.4	77.9
<b>Civilian labor force participation rate, men, 20 to 24 years</b>												
1983 ..	84.6	84.6	83.7	84.2	83.5	86.2	85.9	85.7	84.8	84.5	84.6	84.1
1984 ..	84.6	84.4	84.9	85.4	84.6	86.4	84.9	84.5	85.4	84.6	85.2	84.9
1985 ..	85.1	84.8	84.5	84.8	85.1	85.0	84.2	84.7	85.4	85.3	85.6	85.5
1986 ..	85.8	86.5	86.7	85.4	84.6	85.2	85.6	85.1	86.3	85.8	86.1	86.7
1987 ..	86.1	86.5	85.7	85.6	85.2	85.0	85.3	85.6	85.1	84.5	84.6	83.4
<b>Civilian labor force participation rate, women, 20 to 24 years</b>												
1983 ..	70.0	70.5	70.4	69.9	69.1	69.4	69.9	70.0	70.4	69.9	69.9	69.5
1984 ..	69.7	69.8	69.9	69.9	71.1	70.4	71.2	69.8	70.0	71.0	71.2	71.3
1985 ..	71.7	71.7	71.6	71.7	71.4	71.3	71.6	71.4	72.1	72.7	72.1	72.8
1986 ..	71.6	72.5	72.0	72.1	72.7	72.8	72.6	72.6	72.7	72.2	72.5	72.6
1987 ..	73.7	73.2	73.4	72.9	73.2	73.1	73.1	73.2	72.7	72.4	72.7	72.7
<b>Civilian labor force participation rate, both sexes, 25 years and over</b>												
1983 ..	63.0	63.0	63.0	63.0	63.1	63.3	63.2	63.3	63.5	63.3	63.4	63.4
1984 ..	63.1	63.4	63.3	63.5	63.7	63.5	63.7	63.7	63.5	63.6	63.6	63.7
1985 ..	63.8	63.9	64.1	64.0	63.8	63.9	63.8	63.9	64.1	64.0	64.1	64.1
1986 ..	64.3	64.2	64.3	64.3	64.3	64.6	64.7	64.6	64.6	64.6	64.7	64.6
1987 ..	64.7	64.8	64.8	64.8	65.0	64.9	65.0	65.0	64.9	65.1	65.2	65.2
<b>Civilian labor force participation rate, men, 25 years and over</b>												
1983 ..	77.1	77.2	77.3	77.5	77.5	77.5	77.6	77.6	77.6	77.4	77.5	77.4
1984 ..	77.2	77.4	77.2	77.2	77.2	77.2	77.4	77.4	77.4	77.3	77.2	77.3
1985 ..	77.1	77.1	77.2	77.3	76.9	77.0	77.0	77.1	77.2	77.1	77.1	76.9
1986 ..	77.2	77.0	77.0	77.0	76.9	77.1	77.1	77.0	77.0	76.8	77.2	77.2
1987 ..	77.2	77.1	77.1	77.1	77.2	77.0	77.1	77.0	76.9	77.1	77.1	77.1
<b>Civilian labor force participation rate, women, 25 years and over</b>												
1983 ..	50.5	50.4	50.3	50.3	50.4	50.7	50.5	50.8	51.1	50.8	50.9	51.0
1984 ..	50.7	51.0	51.1	51.3	51.7	51.5	51.6	51.5	51.3	51.5	51.5	51.7
1985 ..	52.0	52.1	52.4	52.3	52.2	52.2	52.1	52.2	52.5	52.4	52.6	52.8
1986 ..	52.8	52.7	52.9	52.9	53.1	53.5	53.6	53.6	53.6	53.7	53.6	53.4
1987 ..	53.5	53.7	53.8	53.9	54.1	54.0	54.3	54.3	54.2	54.4	54.5	54.6



2. Labor force participation rates by sex, age, race, and Hispanic origin—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 25 to 54 years												
1983	79.8	79.6	79.7	79.9	79.9	80.2	80.2	80.4	80.5	80.2	80.2	80.3
1984	80.1	80.3	80.4	80.6	80.8	80.8	81.0	81.0	80.7	80.9	80.8	81.0
1985	81.3	81.3	81.4	81.5	81.2	81.3	81.3	81.4	81.8	81.6	81.6	81.7
1986	81.8	81.6	81.7	81.8	81.8	82.1	82.1	82.2	82.3	82.3	82.3	82.3
1987	82.3	82.4	82.4	82.4	82.6	82.5	82.6	82.7	82.5	82.6	82.6	82.7
Civilian labor force participation rate, men, 25 to 54 years												
1983	93.3	93.3	93.6	93.8	93.9	94.0	94.0	94.0	94.1	93.8	93.7	93.8
1984	93.7	93.8	93.8	93.8	93.8	93.9	94.1	94.1	93.9	94.0	93.9	94.0
1985	94.0	93.9	93.9	94.1	93.8	93.8	93.9	93.9	94.1	94.0	93.9	93.8
1986	93.9	93.8	93.8	93.7	93.6	93.9	93.8	93.9	93.9	93.7	93.9	93.9
1987	94.0	93.8	93.8	93.7	93.7	93.6	93.7	93.6	93.6	93.6	93.5	93.5
Civilian labor force participation rate, women, 25 to 54 years												
1983	66.9	66.6	66.6	66.8	66.8	67.2	67.1	67.5	67.7	67.4	67.4	67.6
1984	67.2	67.5	67.8	68.0	68.6	68.3	68.6	68.7	68.2	68.5	68.4	68.7
1985	69.2	69.2	69.6	69.6	69.2	69.5	69.4	69.6	70.1	69.8	70.0	70.2
1986	70.2	70.0	70.3	70.4	70.5	70.9	71.0	71.1	71.2	71.4	71.2	71.2
1987	71.1	71.4	71.5	71.7	72.0	71.8	72.1	72.2	72.0	72.1	72.2	72.3
Civilian labor force participation rate, both sexes, 25 to 34 years												
1983	81.0	80.8	80.9	81.2	81.4	81.5	81.3	81.4	81.6	81.2	81.6	81.5
1984	81.3	81.5	81.5	81.6	81.7	81.9	82.1	82.2	81.8	82.1	81.8	81.9
1985	82.3	82.3	82.4	82.5	82.2	82.3	82.4	82.3	83.2	82.7	82.6	82.8
1986	82.6	82.6	82.8	82.8	82.7	83.0	82.9	82.9	83.1	83.0	83.4	83.2
1987	83.0	83.1	83.1	83.3	83.3	83.3	83.5	83.5	83.2	83.2	83.4	83.6
Civilian labor force participation rate, men, 25 to 34 years												
1983	93.7	93.8	94.0	94.2	94.5	94.5	94.2	94.3	94.4	94.0	94.3	94.2
1984	94.1	94.0	94.0	94.1	94.0	94.2	94.7	94.7	94.4	94.7	94.3	94.5
1985	94.7	94.8	94.5	94.9	94.6	94.5	94.6	94.6	95.0	94.7	94.7	94.7
1986	94.8	94.7	94.7	94.5	94.2	94.6	94.5	94.5	94.7	94.2	94.9	94.8
1987	94.8	94.6	94.5	94.5	94.6	94.6	94.6	94.5	94.3	94.6	94.5	94.6
Civilian labor force participation rate, women, 25 to 34 years												
1983	68.8	68.4	68.3	68.7	69.0	69.1	68.9	69.1	69.4	69.0	69.4	69.4
1984	69.1	69.4	69.4	69.6	70.0	70.0	70.1	70.3	69.6	70.0	69.7	69.9
1985	70.5	70.5	70.8	70.7	70.3	70.7	70.7	70.5	71.9	71.1	71.1	71.5
1986	70.8	70.9	71.3	71.5	71.6	71.8	71.7	71.8	71.9	72.1	72.3	71.9
1987	71.6	72.1	72.1	72.4	72.4	72.3	72.7	72.9	72.4	72.3	72.7	72.9
Civilian labor force participation rate, both sexes, 35 to 44 years												
1983	81.5	81.4	81.5	81.5	81.3	81.6	81.7	81.7	81.9	81.7	81.6	81.9
1984	81.7	82.3	82.2	82.4	82.9	82.5	82.5	82.4	82.5	82.5	82.4	82.8
1985	82.9	82.6	83.0	82.9	82.9	83.2	83.1	83.2	83.0	83.3	83.4	83.3
1986	83.2	83.2	83.3	83.4	83.5	83.7	83.9	84.1	84.0	84.1	83.7	84.0
1987	84.3	84.4	84.3	84.2	84.4	84.1	84.4	84.4	84.4	84.4	84.2	84.1
Civilian labor force participation rate, men, 35 to 44 years												
1983	94.8	94.7	95.1	95.1	95.3	95.4	95.5	95.3	95.5	95.3	95.2	95.4
1984	95.4	95.7	95.5	95.5	95.7	95.6	95.4	95.0	95.3	95.1	95.0	95.2
1985	95.2	94.8	95.1	95.2	95.2	95.1	95.1	95.0	94.9	95.0	94.8	94.7
1986	94.7	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.8	94.9	94.7	94.8
1987	95.2	95.0	94.7	94.6	94.5	94.3	94.6	94.6	94.6	94.5	94.3	94.2
Civilian labor force participation rate, women, 35 to 44 years												
1983	68.9	68.8	68.6	68.5	68.0	68.5	68.6	68.9	69.1	68.8	68.7	69.1
1984	68.7	69.5	69.6	69.9	70.7	70.1	70.4	70.5	70.3	70.5	70.4	71.0
1985	71.2	71.0	71.5	71.4	71.3	72.0	71.7	72.0	71.7	72.3	72.6	72.5
1986	72.3	72.3	72.5	72.6	72.8	73.0	73.4	73.8	73.7	73.8	73.2	73.7
1987	73.9	74.2	74.4	74.4	74.8	74.4	74.6	74.7	74.6	74.8	74.6	74.5

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**2. Labor force participation rates by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force participation rate, both sexes, 45 to 54 years</b>												
1983 .....	75.5	75.2	75.5	75.7	75.6	76.1	76.3	76.8	76.7	76.5	76.0	76.2
1984 .....	75.9	75.7	76.2	76.4	76.5	76.6	76.8	77.0	76.5	76.6	76.9	76.9
1985 .....	77.1	77.4	77.6	77.7	77.0	76.9	76.9	77.4	77.4	77.2	77.3	77.5
1986 .....	78.1	77.7	77.7	77.7	77.7	78.1	78.2	78.0	78.2	78.4	78.2	78.3
1987 .....	78.0	78.2	78.2	78.2	78.6	78.6	78.6	78.7	78.6	78.8	78.9	79.0
<b>Civilian labor force participation rate, men, 45 to 54 years</b>												
1983 .....	90.8	90.7	90.9	91.2	91.0	91.1	91.5	91.8	91.7	91.4	90.7	91.0
1984 .....	90.7	90.8	90.9	90.9	90.7	91.2	91.2	91.7	91.2	91.1	91.7	91.6
1985 .....	91.0	91.2	91.2	91.1	90.5	90.7	90.9	91.2	91.2	91.2	91.1	91.0
1986 .....	91.0	91.0	90.9	91.0	91.0	91.1	91.1	91.0	91.1	90.9	90.8	90.8
1987 .....	90.6	90.8	91.0	90.9	90.9	90.7	90.6	90.6	90.7	90.6	90.6	90.6
<b>Civilian labor force participation rate, women, 45 to 54 years</b>												
1983 .....	61.2	60.8	61.2	61.3	61.3	62.1	62.0	62.9	62.8	62.6	62.3	62.4
1984 .....	62.1	61.6	62.4	62.9	63.3	63.0	63.5	63.3	62.9	63.1	63.1	63.3
1985 .....	64.0	64.4	64.8	65.0	64.4	64.0	63.8	64.6	64.5	64.0	64.4	64.9
1986 .....	66.0	65.3	65.4	65.3	65.2	66.0	66.2	65.9	66.2	66.9	66.4	66.5
1987 .....	66.2	66.3	66.3	66.3	67.1	67.2	67.4	67.4	67.4	67.8	67.8	68.1
<b>Civilian labor force participation rate, both sexes, 55 years and over</b>												
1983 .....	31.6	31.5	31.4	31.3	31.2	31.4	31.3	31.2	31.5	31.3	31.4	31.3
1984 .....	31.0	31.0	30.8	30.9	30.8	30.6	30.6	30.6	30.7	30.4	30.5	30.6
1985 .....	30.4	30.4	30.7	30.5	30.4	30.4	30.2	30.3	30.2	30.3	30.1	30.1
1986 .....	30.3	30.0	30.0	30.1	30.1	30.4	30.4	30.3	30.0	29.8	30.0	29.9
1987 .....	30.0	29.8	29.9	29.8	30.0	30.1	29.9	30.0	30.0	30.2	30.3	30.3
<b>Civilian labor force participation rate, men, 55 years and over</b>												
1983 .....	43.2	43.1	43.0	43.2	42.8	43.0	43.1	42.9	43.0	42.8	43.1	42.7
1984 .....	42.5	42.3	41.8	41.8	41.8	41.6	41.7	41.8	42.0	41.4	41.3	41.5
1985 .....	41.1	41.0	41.5	41.2	40.8	41.2	40.9	41.1	41.1	41.0	40.8	40.6
1986 .....	41.0	40.3	40.4	40.5	40.6	40.6	40.4	40.2	40.1	40.1	40.4	40.7
1987 .....	40.3	40.2	40.4	40.3	40.6	40.5	40.3	40.1	40.1	40.4	40.6	40.5
<b>Civilian labor force participation rate, women, 55 years and over</b>												
1983 .....	22.7	22.6	22.4	22.2	22.3	22.4	22.2	22.3	22.7	22.5	22.3	22.5
1984 .....	22.2	22.4	22.3	22.5	22.4	22.3	22.1	22.0	22.1	22.0	22.1	22.2
1985 .....	22.1	22.2	22.4	22.2	22.2	21.9	21.9	21.9	21.7	21.9	21.8	21.9
1986 .....	21.9	21.9	21.9	21.9	22.0	22.5	22.6	22.6	22.2	21.9	22.0	21.5
1987 .....	21.9	21.7	21.7	21.7	21.7	21.9	21.9	22.0	22.1	22.3	22.3	22.4
<b>Civilian labor force participation rate, both sexes, 55 to 64 years</b>												
1983 .....	54.8	54.7	54.3	54.3	54.2	54.6	54.4	54.2	54.4	54.5	54.6	54.8
1984 .....	54.2	54.4	54.1	54.5	54.3	54.3	54.3	54.2	54.3	53.7	54.0	54.4
1985 .....	54.1	54.1	54.6	54.3	54.2	54.3	54.1	54.3	54.1	54.1	53.9	53.8
1986 .....	53.7	53.4	53.5	53.7	53.9	54.5	54.6	54.6	54.1	54.1	54.3	54.0
1987 .....	54.3	53.9	54.0	54.3	54.5	54.4	54.2	54.0	54.4	54.9	55.0	55.0
<b>Civilian labor force participation rate, men, 55 to 64 years</b>												
1983 .....	69.5	69.4	69.0	69.5	69.3	69.4	69.3	69.0	69.2	69.4	69.6	69.5
1984 .....	68.9	68.8	68.3	68.6	68.2	68.3	68.5	68.8	68.8	68.1	68.3	68.8
1985 .....	68.0	67.8	68.2	68.2	67.6	68.4	68.3	68.2	67.9	67.9	67.7	67.1
1986 .....	67.1	66.3	66.7	67.1	67.4	67.4	67.3	67.3	67.4	67.6	67.6	68.0
1987 .....	67.8	67.5	67.8	67.8	68.1	67.5	67.5	66.7	67.4	67.6	67.8	67.5
<b>Civilian labor force participation rate, women, 55 to 64 years</b>												
1983 .....	41.9	41.7	41.4	41.1	41.0	41.6	41.4	41.3	41.5	41.6	41.5	41.9
1984 .....	41.3	41.9	41.7	42.1	42.2	42.1	41.8	41.4	41.6	41.1	41.6	41.9
1985 .....	41.8	41.9	42.5	42.1	42.4	41.8	41.7	42.1	41.8	41.9	41.8	42.0
1986 .....	41.8	41.9	41.9	41.8	42.0	43.1	43.3	43.3	42.4	42.2	42.4	41.7
1987 .....	42.3	41.9	41.8	42.3	42.4	42.7	42.3	42.7	42.9	43.6	43.5	43.8

2. Labor force participation rates by sex, age, race, and Hispanic origin—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 65 years and over												
1983	11.8	11.8	11.8	11.8	11.7	11.6	11.7	11.7	12.1	11.7	11.7	11.5
1984	11.5	11.4	11.1	11.1	11.1	10.8	10.9	11.0	11.2	11.2	11.0	10.8
1985	10.8	10.9	11.0	10.9	10.7	10.7	10.5	10.6	10.7	10.8	10.7	10.9
1986	11.2	11.0	10.9	11.0	11.0	11.2	11.1	10.9	10.9	10.6	10.8	10.8
1987	10.8	10.8	11.0	10.8	11.0	11.2	11.2	11.4	11.1	11.2	11.3	11.4
Civilian labor force participation rate, men, 65 years and over												
1983	17.5	17.4	17.6	17.6	17.1	17.4	17.7	17.5	17.7	17.2	17.5	16.9
1984	17.0	16.8	16.3	16.2	16.4	16.0	16.1	16.1	16.6	16.2	15.9	15.6
1985	15.7	15.8	16.2	15.8	15.6	15.6	15.2	15.7	16.0	16.0	15.9	16.1
1986	16.7	16.3	16.2	16.2	16.1	16.3	15.9	15.5	15.4	15.2	15.7	16.1
1987	15.6	15.7	15.9	16.0	16.3	16.7	16.3	16.8	16.2	16.5	16.7	17.0
Civilian labor force participation rate, women, 65 years and over												
1983	7.8	7.9	7.8	7.8	7.9	7.6	7.5	7.7	8.3	7.9	7.8	7.8
1984	7.7	7.6	7.5	7.6	7.5	7.3	7.3	7.4	7.5	7.7	7.6	7.5
1985	7.4	7.5	7.4	7.5	7.3	7.3	7.3	7.0	7.0	7.2	7.1	7.2
1986	7.3	7.3	7.3	7.4	7.5	7.6	7.6	7.6	7.7	7.3	7.4	7.1
1987	7.4	7.3	7.5	7.1	7.2	7.4	7.6	7.5	7.5	7.5	7.5	7.5
Civilian labor force participation rate, white workers												
1983	64.1	64.0	63.9	64.0	64.0	64.6	64.4	64.6	64.6	64.5	64.6	64.6
1984	64.3	64.4	64.5	64.6	64.8	64.9	64.8	64.5	64.6	64.6	64.6	64.9
1985	64.9	65.0	65.1	65.1	64.9	64.9	64.9	64.8	65.1	65.2	65.2	65.2
1986	65.2	65.3	65.3	65.3	65.3	65.7	65.6	65.6	65.6	65.6	65.7	65.6
1987	65.7	65.7	65.7	65.7	65.9	65.7	65.7	65.9	65.7	65.9	65.9	66.0
Civilian labor force participation rate, white men												
1983	76.7	76.8	76.7	76.8	76.9	77.5	77.4	77.4	77.3	77.2	77.3	77.2
1984	76.9	76.9	77.0	77.0	76.9	77.5	77.2	76.9	77.2	77.1	77.1	77.2
1985	76.9	76.9	77.0	77.1	77.0	77.0	76.9	76.9	77.0	77.1	77.0	76.8
1986	76.9	76.9	76.9	76.9	76.8	77.0	76.9	76.8	77.0	76.9	77.1	77.1
1987	77.0	77.1	76.9	76.8	77.0	76.8	76.6	76.8	76.7	76.9	76.8	76.8
Civilian labor force participation rate, white women												
1983	52.6	52.3	52.3	52.3	52.2	52.7	52.6	53.0	53.0	52.8	53.0	53.1
1984	52.8	53.0	53.1	53.3	53.7	53.5	53.6	53.2	53.1	53.3	53.3	53.6
1985	53.9	54.1	54.3	54.0	53.9	53.7	53.9	53.9	54.3	54.4	54.4	54.6
1986	54.5	54.6	54.7	54.7	54.8	55.2	55.3	55.3	55.2	55.3	55.2	55.1
1987	55.2	55.3	55.4	55.5	55.8	55.6	55.7	55.9	55.7	55.8	55.9	56.0
Civilian labor force participation rate, white workers, 16 to 19 years												
1983	57.0	56.4	56.4	55.9	55.6	58.4	57.2	58.3	57.2	56.7	56.9	57.4
1984	56.9	57.1	57.4	57.3	57.4	58.6	57.7	55.7	57.4	57.0	56.7	57.6
1985	58.1	58.2	58.4	57.6	57.8	56.2	57.9	56.1	57.2	57.8	57.5	57.2
1986	56.5	57.9	57.7	58.1	57.9	58.2	57.4	57.9	58.1	58.4	58.2	57.0
1987	57.8	58.1	57.5	57.5	58.5	56.7	56.9	58.5	57.2	57.9	57.7	58.6
Civilian labor force participation rate, white men, 16 to 19 years												
1983	59.0	58.9	58.6	58.2	58.0	61.3	59.7	60.5	59.7	59.3	59.6	59.8
1984	58.2	58.6	59.6	58.7	59.1	61.0	59.2	57.0	59.0	59.0	59.3	59.9
1985	60.3	59.8	60.3	60.7	60.8	59.7	60.6	58.7	58.6	60.1	58.9	58.5
1986	57.6	59.1	58.4	59.6	59.6	60.0	59.3	59.8	60.4	59.8	60.0	57.7
1987	59.3	60.3	59.0	58.5	59.3	57.6	57.1	59.9	58.6	59.3	58.7	60.1
Civilian labor force participation rate, white women, 16 to 19 years												
1983	55.1	53.8	54.2	53.7	53.1	55.6	54.7	56.0	54.6	54.0	54.2	55.1
1984	55.6	55.6	55.2	56.0	55.7	56.3	56.2	54.5	55.8	55.0	54.0	55.3
1985	55.9	56.7	56.4	54.5	54.9	52.7	55.1	53.5	55.8	55.5	56.1	55.8
1986	55.4	56.8	57.0	56.7	56.2	56.4	55.4	56.0	55.8	56.9	56.3	56.3
1987	56.3	55.9	56.0	56.5	57.8	55.8	56.7	57.1	55.7	56.5	56.7	57.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**2. Labor force participation rates by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force participation rate, white workers, 20 years and over</b>												
1983	64.7	64.7	64.6	64.7	64.7	65.1	65.1	65.2	65.3	65.2	65.3	65.2
1984	65.0	65.1	65.1	65.3	65.5	65.5	65.4	65.2	65.2	65.3	65.3	65.5
1985	65.5	65.5	65.7	65.7	65.5	65.6	65.5	65.6	65.8	65.9	65.8	65.8
1986	65.9	65.9	65.9	65.9	65.9	66.3	66.3	66.3	66.3	66.2	66.3	66.4
1987	66.3	66.4	66.4	66.4	66.6	66.5	66.5	66.5	66.4	66.5	66.6	66.6
<b>Civilian labor force participation rate, white men, 20 years and over</b>												
1983	78.4	78.6	78.5	78.6	78.7	79.1	79.1	79.0	79.0	79.0	79.0	78.9
1984	78.7	78.7	78.6	78.7	78.6	79.0	78.8	78.7	78.9	78.7	78.7	78.8
1985	78.4	78.4	78.5	78.6	78.4	78.6	78.4	78.5	78.6	78.7	78.6	78.4
1986	78.6	78.5	78.5	78.4	78.3	78.5	78.4	78.3	78.5	78.4	78.6	78.8
1987	78.6	78.5	78.4	78.4	78.5	78.4	78.3	78.2	78.2	78.4	78.3	78.2
<b>Civilian labor force participation rate, white women, 20 years and over</b>												
1983	52.4	52.2	52.1	52.2	52.1	52.5	52.4	52.7	52.9	52.7	52.9	52.9
1984	52.5	52.8	52.9	53.1	53.6	53.2	53.3	53.1	52.9	53.2	53.2	53.5
1985	53.7	53.9	54.1	54.0	53.8	53.8	53.8	53.9	54.2	54.3	54.3	54.5
1986	54.4	54.4	54.5	54.5	54.7	55.1	55.3	55.3	55.2	55.2	55.1	55.0
1987	55.2	55.3	55.4	55.5	55.7	55.6	55.7	55.8	55.7	55.7	55.8	55.9
<b>Civilian labor force participation rate, black workers</b>												
1983	61.9	61.6	61.4	61.4	61.5	62.1	61.9	61.8	61.7	60.8	61.0	61.2
1984	61.1	61.8	61.6	61.5	61.9	62.0	62.5	62.9	62.3	62.7	63.0	63.0
1985	63.1	62.9	62.8	63.0	62.9	62.6	62.8	62.6	62.9	62.8	63.0	63.4
1986	63.2	63.0	63.6	63.8	63.9	63.8	63.0	62.5	63.2	63.4	63.2	63.1
1987	63.4	63.8	63.5	63.0	63.5	63.4	64.0	64.5	63.8	64.3	64.4	64.4
<b>Civilian labor force participation rate, black men</b>												
1983	70.9	70.1	70.1	70.4	70.4	71.6	71.4	71.1	70.6	69.7	70.4	70.1
1984	70.3	71.2	70.7	69.9	70.7	70.5	70.8	71.0	70.8	71.2	70.9	71.1
1985	70.8	71.0	70.4	70.5	70.6	70.2	70.7	70.8	71.3	71.2	70.6	71.1
1986	71.5	71.1	71.7	71.6	72.0	71.7	71.1	70.0	70.9	71.1	70.6	70.8
1987	71.3	71.2	70.9	70.7	71.1	70.5	71.2	71.8	70.9	70.9	71.1	71.0
<b>Civilian labor force participation rate, black women</b>												
1983	54.7	54.7	54.5	54.3	54.2	54.4	54.2	54.3	54.6	53.6	53.5	54.0
1984	53.6	54.2	54.2	54.6	54.8	55.1	55.7	56.3	55.5	55.9	56.6	56.4
1985	56.8	56.3	56.6	56.9	56.7	56.5	56.5	56.0	56.0	56.0	56.8	57.1
1986	56.5	56.5	57.0	57.6	57.3	57.4	56.4	56.4	56.9	57.1	57.3	56.8
1987	57.1	57.8	57.5	56.8	57.2	57.6	58.1	58.5	58.0	59.0	58.9	59.1
<b>Civilian labor force participation rate, black workers, 16 to 19 years</b>												
1983	36.1	34.8	34.5	36.0	35.9	39.5	36.9	38.2	36.4	35.3	36.3	36.4
1984	35.1	36.7	35.4	37.7	35.8	38.5	40.0	40.2	40.2	40.4	39.9	40.1
1985	41.1	40.9	41.1	41.3	42.1	38.6	43.4	40.3	40.5	42.1	41.0	42.0
1986	41.6	42.0	43.8	43.9	43.4	43.5	39.7	38.1	41.1	40.8	39.0	39.6
1987	39.6	41.6	40.1	39.6	40.0	39.5	39.8	44.9	42.8	43.8	43.3	43.7
<b>Civilian labor force participation rate, black men, 16 to 19 years</b>												
1983	39.8	38.2	38.6	38.2	39.4	43.8	41.8	42.1	39.2	38.4	39.9	38.6
1984	38.0	39.6	40.5	41.4	41.0	41.7	42.1	42.4	43.3	43.3	43.2	43.8
1985	44.5	42.9	43.7	44.6	43.5	42.1	46.9	45.4	45.4	46.4	43.2	45.8
1986	43.7	45.4	45.8	45.8	48.5	44.4	43.4	40.3	42.7	42.4	39.8	41.7
1987	43.7	43.0	41.5	42.1	41.7	40.3	42.2	48.4	43.3	44.5	45.8	45.6
<b>Civilian labor force participation rate, black women, 16 to 19 years</b>												
1983	32.6	31.7	30.6	33.9	32.5	35.4	32.2	34.6	33.7	32.4	32.9	34.3
1984	32.4	33.9	30.5	34.2	30.8	35.4	38.0	38.1	37.2	37.5	36.7	36.6
1985	37.8	39.0	38.6	38.2	40.7	35.1	39.9	35.3	35.8	38.0	38.8	38.3
1986	39.6	38.6	41.9	42.2	38.5	42.6	36.2	36.0	39.5	39.2	38.2	37.6
1987	35.7	40.2	38.7	37.2	38.4	38.8	37.4	41.5	42.3	43.1	40.8	41.8

2. Labor force participation rates by sex, age, race, and Hispanic origin—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, black workers, 20 years and over												
1983 .....	65.5	65.2	65.1	64.9	64.9	65.1	65.2	64.9	65.1	64.2	64.2	64.4
1984 .....	64.4	65.0	64.9	64.5	65.2	64.9	65.3	65.7	65.1	65.5	65.8	65.8
1985 .....	65.9	65.6	65.5	65.7	65.5	65.6	65.2	65.3	65.6	65.3	65.6	66.0
1986 .....	65.8	65.6	66.0	66.2	66.4	66.2	65.8	65.4	65.8	66.0	66.1	65.8
1987 .....	66.3	66.4	66.3	65.8	66.2	66.2	66.9	66.8	66.3	66.7	66.9	66.9
Civilian labor force participation rate, black men, 20 years and over												
1983 .....	75.6	75.0	74.8	75.2	75.0	75.7	75.8	75.4	75.2	74.3	74.8	74.7
1984 .....	74.9	75.7	75.0	73.9	74.8	74.5	74.8	75.0	74.6	75.0	74.7	74.9
1985 .....	74.5	74.9	74.1	74.1	74.3	74.1	73.9	74.2	74.8	74.5	74.3	74.5
1986 .....	75.2	74.6	75.1	75.0	75.2	75.3	74.8	74.0	74.6	74.9	74.7	74.6
1987 .....	74.9	74.9	74.8	74.4	75.0	74.5	75.1	74.9	74.5	74.3	74.5	74.3
Civilian labor force participation rate, black women, 20 years and over												
1983 .....	57.5	57.6	57.4	56.8	56.9	56.7	56.9	56.7	57.1	56.2	55.9	56.3
1984 .....	56.1	56.6	56.9	57.0	57.6	57.4	57.7	58.4	57.6	57.9	58.8	58.6
1985 .....	59.0	58.3	58.7	59.0	58.5	58.9	58.3	58.3	58.3	58.0	58.8	59.2
1986 .....	58.4	58.4	58.7	59.3	59.4	59.0	58.6	58.6	58.8	59.0	59.3	58.9
1987 .....	59.4	59.7	59.5	58.9	59.3	59.6	60.4	60.3	59.7	60.7	60.9	61.0
Civilian labor force participation rate, Hispanic-origin workers												
1983 .....	63.4	63.5	63.0	63.7	63.4	64.1	63.5	64.3	64.1	63.5	63.9	64.1
1984 .....	64.5	63.7	64.8	64.3	64.7	65.1	65.0	65.1	65.3	65.1	65.2	66.0
1985 .....	63.9	64.4	64.7	64.2	64.1	64.4	64.8	65.3	65.6	65.3	64.4	64.3
1986 .....	63.9	64.8	64.9	64.9	64.9	65.7	66.0	65.7	66.0	65.8	65.8	66.4
1987 .....	66.3	66.4	65.9	66.3	66.7	65.9	65.5	66.1	66.2	66.6	67.2	67.1

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**3. Employed persons by sex, age, race, Hispanic origin, and marital status**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Total employed, including resident Armed Forces, total</b>												
1983	100,828	100,753	100,843	101,231	101,311	102,301	102,872	103,290	103,711	103,734	104,414	104,684
1984	104,883	105,511	105,659	106,058	106,849	107,300	107,127	106,879	107,198	107,339	107,684	107,910
1985	107,993	108,276	108,691	108,644	108,612	108,309	108,513	108,851	109,367	109,488	109,702	109,861
1986	110,595	110,215	110,546	110,656	110,724	111,351	111,509	111,732	111,763	111,943	112,208	112,407
1987	112,762	113,084	113,191	113,541	114,060	114,018	114,359	114,786	114,615	114,951	115,259	115,494
<b>Total employed, including resident Armed Forces, men</b>												
1983	57,315	57,240	57,327	57,541	57,661	58,442	58,672	58,700	58,856	58,977	59,434	59,570
1984	59,757	60,053	60,159	60,251	60,530	61,018	60,770	60,784	60,983	61,024	61,193	61,198
1985	61,103	61,108	61,320	61,368	61,471	61,265	61,324	61,549	61,706	61,697	61,769	61,740
1986	62,370	62,097	62,198	62,251	62,156	62,405	62,416	62,515	62,545	62,564	62,845	62,960
1987	63,153	63,281	63,263	63,390	63,543	63,543	63,711	63,916	63,949	64,048	64,174	64,245
<b>Total employed, including resident Armed Forces, women</b>												
1983	43,513	43,513	43,516	43,690	43,650	43,859	44,200	44,590	44,855	44,757	44,980	45,114
1984	45,126	45,458	45,500	45,807	46,319	46,282	46,357	46,095	46,215	46,315	46,491	46,712
1985	46,890	47,168	47,371	47,276	47,141	47,044	47,189	47,302	47,661	47,791	47,932	48,121
1986	48,225	48,118	48,348	48,405	48,568	48,946	49,093	49,217	49,218	49,379	49,363	49,447
1987	49,609	49,803	49,928	50,151	50,517	50,475	50,648	50,870	50,666	50,903	51,085	51,249
<b>Employed, all civilian workers</b>												
1983	99,161	99,089	99,179	99,560	99,642	100,633	101,208	101,608	102,016	102,039	102,729	102,996
1984	103,197	103,827	103,973	104,365	105,159	105,610	105,429	105,167	105,478	105,634	105,985	106,212
1985	106,296	106,573	106,990	106,942	106,907	106,607	106,809	107,125	107,635	107,788	108,000	108,163
1986	108,904	108,524	108,853	108,961	109,037	109,671	109,837	110,035	110,047	110,194	110,457	110,657
1987	111,014	111,344	111,455	111,806	112,334	112,300	112,639	113,050	112,872	113,210	113,504	113,744
<b>Employed men</b>												
1983	55,784	55,712	55,799	56,011	56,133	56,917	57,151	57,162	57,307	57,434	57,900	58,033
1984	58,215	58,513	58,617	58,703	58,985	59,473	59,219	59,221	59,412	59,467	59,641	59,648
1985	59,554	59,554	59,767	59,815	59,915	59,713	59,770	59,975	60,126	60,146	60,217	60,191
1986	60,831	60,558	60,658	60,710	60,623	60,880	60,898	60,974	60,985	60,974	61,253	61,367
1987	61,562	61,697	61,688	61,815	61,977	61,984	62,150	62,341	62,368	62,468	62,581	62,656
<b>Employed women</b>												
1983	43,377	43,377	43,380	43,549	43,509	43,716	44,057	44,446	44,709	44,605	44,829	44,963
1984	44,982	45,314	45,356	45,662	46,174	46,137	46,210	45,946	46,066	46,167	46,344	46,564
1985	46,742	47,019	47,223	47,127	46,992	46,894	47,039	47,150	47,509	47,642	47,783	47,972
1986	48,073	47,966	48,195	48,251	48,414	48,791	48,939	49,061	49,062	49,220	49,204	49,290
1987	49,452	49,647	49,767	49,991	50,357	50,316	50,489	50,709	50,504	50,742	50,923	51,088
<b>Employed both sexes, 16 to 19 years</b>												
1983	6,406	6,300	6,196	6,204	6,182	6,423	6,332	6,457	6,383	6,296	6,442	6,482
1984	6,413	6,415	6,357	6,447	6,458	6,656	6,534	6,342	6,429	6,408	6,465	6,440
1985	6,530	6,548	6,585	6,555	6,493	6,257	6,402	6,359	6,418	6,321	6,430	6,334
1986	6,318	6,402	6,508	6,490	6,491	6,498	6,471	6,511	6,482	6,574	6,487	6,416
1987	6,504	6,535	6,493	6,529	6,633	6,580	6,650	6,917	6,654	6,693	6,706	6,809
<b>Employed men, 16 to 19 years</b>												
1983	3,297	3,259	3,184	3,197	3,211	3,402	3,316	3,325	3,324	3,288	3,401	3,371
1984	3,246	3,303	3,340	3,320	3,343	3,468	3,291	3,274	3,314	3,286	3,365	3,349
1985	3,391	3,334	3,418	3,437	3,396	3,326	3,314	3,297	3,286	3,227	3,268	3,252
1986	3,225	3,264	3,297	3,336	3,350	3,330	3,347	3,354	3,360	3,367	3,360	3,247
1987	3,342	3,373	3,308	3,299	3,304	3,352	3,367	3,516	3,401	3,431	3,417	3,471
<b>Employed women, 16 to 19 years</b>												
1983	3,109	3,041	3,012	3,007	2,971	3,021	3,016	3,132	3,059	3,008	3,041	3,111
1984	3,167	3,112	3,017	3,127	3,115	3,188	3,243	3,068	3,115	3,122	3,100	3,091
1985	3,139	3,214	3,167	3,118	3,097	2,931	3,088	3,062	3,132	3,094	3,162	3,082
1986	3,093	3,138	3,211	3,154	3,141	3,168	3,124	3,157	3,122	3,207	3,127	3,169
1987	3,162	3,162	3,185	3,230	3,329	3,228	3,283	3,401	3,253	3,262	3,289	3,338

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**3. Employed persons by sex, age, race, Hispanic origin, and marital status—Continued**

(in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 20 years and over												
1983	92,755	92,789	92,983	93,356	93,480	94,210	94,876	95,151	95,633	95,743	96,287	96,514
1984	96,784	97,412	97,616	97,918	98,701	98,954	98,895	98,825	99,049	99,226	99,520	99,772
1985	99,766	100,025	100,405	100,387	100,414	100,350	100,407	100,766	101,217	101,467	101,570	101,829
1986	102,586	102,122	102,345	102,471	102,546	103,173	103,366	103,524	103,565	103,620	103,970	104,241
1987	104,510	104,809	104,962	105,277	105,701	105,720	105,989	106,133	106,218	106,517	106,798	106,935
Employed men, 20 years and over												
1983	52,487	52,453	52,615	52,814	52,922	53,515	53,835	53,837	53,983	54,146	54,499	54,662
1984	54,969	55,210	55,277	55,383	55,642	56,005	55,928	55,947	56,098	56,181	56,276	56,299
1985	56,163	56,220	56,349	56,378	56,519	56,387	56,456	56,678	56,840	56,919	56,949	56,939
1986	57,606	57,294	57,361	57,374	57,273	57,550	57,551	57,620	57,625	57,607	57,893	58,120
1987	58,220	58,324	58,380	58,516	58,673	58,632	58,783	58,825	58,967	59,037	59,164	59,185
Employed women, 20 years and over												
1983	40,268	40,336	40,368	40,542	40,538	40,695	41,041	41,314	41,650	41,597	41,788	41,852
1984	41,815	42,202	42,339	42,535	43,059	42,949	42,967	42,878	42,951	43,045	43,244	43,473
1985	43,603	43,805	44,056	44,009	43,895	43,963	43,951	44,088	44,377	44,548	44,621	44,890
1986	44,980	44,828	44,984	45,097	45,273	45,623	45,815	45,904	45,940	46,013	46,077	46,121
1987	46,290	46,485	46,582	46,761	47,028	47,088	47,206	47,308	47,251	47,480	47,634	47,750
Employed both sexes, 20 to 24 years												
1983	13,496	13,521	13,519	13,548	13,440	13,797	13,943	13,824	13,868	13,807	13,928	13,923
1984	14,005	14,119	14,150	14,122	14,304	14,470	14,327	14,023	14,175	14,227	14,308	14,238
1985	14,137	14,063	13,997	14,047	13,990	13,963	13,915	13,884	13,978	13,962	13,887	13,981
1986	13,937	14,005	13,942	13,808	13,709	13,831	13,794	13,723	13,692	13,669	13,749	13,650
1987	13,699	13,694	13,655	13,580	13,575	13,489	13,534	13,558	13,462	13,403	13,359	13,303
Employed men, 20 to 24 years												
1983	7,075	7,071	7,067	7,086	7,039	7,365	7,361	7,319	7,308	7,284	7,387	7,381
1984	7,456	7,527	7,567	7,558	7,621	7,763	7,602	7,468	7,546	7,573	7,617	7,541
1985	7,425	7,372	7,325	7,377	7,360	7,341	7,283	7,312	7,354	7,292	7,313	7,334
1986	7,390	7,429	7,375	7,233	7,156	7,256	7,248	7,192	7,156	7,215	7,197	7,181
1987	7,161	7,173	7,155	7,124	7,088	7,014	7,074	7,070	7,047	6,972	6,953	6,898
Employed women, 20 to 24 years												
1983	6,421	6,450	6,452	6,462	6,401	6,432	6,582	6,505	6,560	6,523	6,541	6,542
1984	6,549	6,592	6,583	6,564	6,683	6,707	6,725	6,555	6,629	6,654	6,691	6,697
1985	6,712	6,691	6,672	6,670	6,630	6,622	6,632	6,572	6,624	6,670	6,574	6,647
1986	6,547	6,576	6,567	6,575	6,553	6,575	6,546	6,531	6,536	6,454	6,552	6,469
1987	6,538	6,521	6,500	6,456	6,487	6,475	6,460	6,488	6,415	6,431	6,406	6,405
Employed both sexes, 25 years and over												
1983	79,247	79,283	79,495	79,780	80,004	80,426	80,980	81,290	81,754	81,924	82,365	82,567
1984	82,769	83,316	83,516	83,780	84,376	84,468	84,620	84,767	84,862	84,980	85,219	85,519
1985	85,625	85,987	86,458	86,326	86,394	86,373	86,567	86,857	87,223	87,475	87,687	87,848
1986	88,640	88,139	88,454	88,650	88,805	89,327	89,650	89,804	89,851	89,913	90,217	90,582
1987	90,798	91,132	91,343	91,675	92,087	92,234	92,551	92,606	92,735	93,071	93,424	93,625
Employed men, 25 years and over												
1983	45,399	45,399	45,577	45,727	45,879	46,146	46,480	46,505	46,667	46,844	47,123	47,263
1984	47,500	47,711	47,755	47,832	48,007	48,213	48,325	48,469	48,544	48,589	48,672	48,756
1985	48,730	48,877	49,065	49,004	49,136	49,016	49,187	49,364	49,473	49,605	49,645	49,615
1986	50,208	49,894	50,032	50,139	50,092	50,263	50,316	50,440	50,450	50,372	50,704	50,954
1987	51,050	51,178	51,261	51,385	51,554	51,601	51,733	51,781	51,900	52,047	52,210	52,299
Employed women, 25 years and over												
1983	33,848	33,884	33,918	34,053	34,125	34,280	34,500	34,785	35,087	35,080	35,242	35,304
1984	35,269	35,605	35,761	35,948	36,369	36,255	36,295	36,298	36,318	36,391	36,547	36,763
1985	36,895	37,110	37,393	37,322	37,258	37,357	37,380	37,493	37,750	37,870	38,042	38,233
1986	38,432	38,245	38,422	38,511	38,713	39,064	39,334	39,364	39,401	39,541	39,513	39,628
1987	39,748	39,954	40,082	40,290	40,533	40,633	40,818	40,825	40,835	41,024	41,214	41,326

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**3. Employed persons by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed both sexes, 25 to 54 years</b>												
1983 .....	65,062	65,025	65,286	65,704	65,813	66,279	66,748	67,111	67,427	67,591	67,982	68,260
1984 .....	68,555	68,930	69,254	69,530	70,049	70,344	70,382	70,642	70,619	70,876	71,006	71,272
1985 .....	71,422	71,611	71,932	72,003	72,069	72,152	72,370	72,652	72,994	73,161	73,371	73,623
1986 .....	74,305	73,941	74,192	74,365	74,413	74,868	75,146	75,452	75,596	75,744	75,843	76,260
1987 .....	76,351	76,683	76,900	77,294	77,621	77,726	78,015	78,202	78,307	78,477	78,731	78,916
<b>Employed men, 25 to 54 years</b>												
1983 .....	36,987	36,954	37,142	37,335	37,459	37,730	37,970	38,053	38,203	38,359	38,565	38,811
1984 .....	39,037	39,204	39,367	39,449	39,596	39,887	39,915	40,082	40,128	40,244	40,307	40,387
1985 .....	40,322	40,408	40,505	40,548	40,721	40,605	40,794	40,877	41,003	41,129	41,167	41,221
1986 .....	41,703	41,526	41,631	41,711	41,624	41,859	41,889	42,085	42,128	42,065	42,262	42,475
1987 .....	42,565	42,668	42,743	42,904	43,002	43,071	43,203	43,289	43,408	43,488	43,592	43,690
<b>Employed women, 25 to 54 years</b>												
1983 .....	28,075	28,071	28,144	28,369	28,354	28,549	28,778	29,058	29,224	29,232	29,417	29,449
1984 .....	29,518	29,726	29,887	30,081	30,453	30,457	30,467	30,560	30,491	30,632	30,699	30,885
1985 .....	31,100	31,203	31,427	31,455	31,348	31,547	31,576	31,775	31,991	32,032	32,204	32,402
1986 .....	32,602	32,415	32,561	32,654	32,789	33,009	33,257	33,367	33,468	33,679	33,581	33,785
1987 .....	33,786	34,015	34,157	34,390	34,619	34,655	34,812	34,913	34,899	34,989	35,139	35,226
<b>Employed both sexes, 25 to 34 years</b>												
1983 .....	28,102	28,098	28,100	28,431	28,590	28,680	28,863	28,955	29,103	29,161	29,430	29,517
1984 .....	29,676	29,810	29,891	30,049	30,274	30,458	30,477	30,679	30,648	30,756	30,676	30,768
1985 .....	30,830	30,886	31,013	30,999	31,012	31,106	31,242	31,245	31,554	31,486	31,472	31,648
1986 .....	32,078	31,815	31,962	32,009	31,990	32,226	32,198	32,358	32,387	32,324	32,510	32,570
1987 .....	32,562	32,784	32,848	32,996	33,035	33,119	33,258	33,316	33,240	33,313	33,398	33,385
<b>Employed men, 25 to 34 years</b>												
1983 .....	15,848	15,845	15,841	16,005	16,100	16,196	16,283	16,305	16,379	16,465	16,602	16,700
1984 .....	16,781	16,832	16,931	16,997	17,068	17,197	17,234	17,378	17,401	17,435	17,360	17,375
1985 .....	17,385	17,413	17,441	17,470	17,528	17,516	17,601	17,597	17,653	17,720	17,701	17,749
1986 .....	18,170	18,017	18,054	18,026	17,914	18,087	18,023	18,176	18,146	18,029	18,213	18,268
1987 .....	18,263	18,342	18,356	18,427	18,468	18,487	18,564	18,548	18,566	18,600	18,619	18,612
<b>Employed women, 25 to 34 years</b>												
1983 .....	12,254	12,253	12,259	12,426	12,490	12,484	12,580	12,650	12,724	12,696	12,828	12,817
1984 .....	12,895	12,978	12,960	13,052	13,206	13,261	13,243	13,301	13,247	13,321	13,316	13,393
1985 .....	13,445	13,473	13,572	13,529	13,484	13,590	13,641	13,648	13,901	13,766	13,771	13,899
1986 .....	13,908	13,798	13,908	13,983	14,076	14,139	14,175	14,182	14,241	14,295	14,297	14,302
1987 .....	14,299	14,442	14,492	14,569	14,567	14,632	14,694	14,768	14,674	14,713	14,779	14,773
<b>Employed both sexes, 35 to 44 years</b>												
1983 .....	21,291	21,350	21,522	21,626	21,596	21,814	21,996	22,183	22,301	22,436	22,597	22,786
1984 .....	22,893	23,153	23,258	23,322	23,620	23,615	23,674	23,653	23,782	23,895	24,051	24,233
1985 .....	24,210	24,257	24,423	24,501	24,569	24,612	24,700	24,837	24,911	25,145	25,269	25,318
1986 .....	25,373	25,311	25,447	25,545	25,638	25,753	25,966	26,119	26,189	26,253	26,202	26,505
1987 .....	26,635	26,755	26,808	26,981	27,133	27,151	27,251	27,345	27,404	27,474	27,573	27,618
<b>Employed men, 35 to 44 years</b>												
1983 .....	12,044	12,086	12,220	12,254	12,298	12,412	12,500	12,552	12,606	12,692	12,804	12,928
1984 .....	13,019	13,119	13,165	13,164	13,268	13,302	13,319	13,280	13,389	13,461	13,556	13,658
1985 .....	13,586	13,589	13,653	13,688	13,779	13,700	13,794	13,874	13,925	13,992	14,006	14,001
1986 .....	14,029	13,984	14,083	14,170	14,190	14,216	14,312	14,339	14,405	14,427	14,452	14,574
1987 .....	14,666	14,714	14,716	14,776	14,802	14,874	14,911	14,980	15,031	15,052	15,101	15,145
<b>Employed women, 35 to 44 years</b>												
1983 .....	9,247	9,264	9,302	9,372	9,298	9,402	9,496	9,631	9,695	9,744	9,793	9,858
1984 .....	9,874	10,034	10,093	10,158	10,352	10,313	10,355	10,373	10,393	10,434	10,495	10,575
1985 .....	10,624	10,668	10,770	10,813	10,790	10,912	10,906	10,963	10,986	11,153	11,263	11,317
1986 .....	11,344	11,327	11,364	11,375	11,448	11,537	11,654	11,780	11,784	11,826	11,750	11,931
1987 .....	11,969	12,041	12,092	12,205	12,331	12,277	12,340	12,365	12,373	12,422	12,472	12,473



HOUSEHOLD DATA  
SEASONALLY ADJUSTED

3. Employed persons by sex, age, race, Hispanic origin, and marital status—Continued

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 45 to 54 years												
1983 ..	15,669	15,577	15,664	15,647	15,627	15,785	15,889	15,973	16,023	15,994	15,955	15,957
1984 ..	15,986	15,967	16,105	16,159	16,155	16,271	16,231	16,310	16,189	16,225	16,279	16,271
1985 ..	16,382	16,468	16,496	16,503	16,488	16,434	16,428	16,570	16,529	16,530	16,630	16,657
1986 ..	16,854	16,815	16,783	16,811	16,785	16,889	16,982	16,975	17,020	17,167	17,131	17,185
1987 ..	17,154	17,144	17,244	17,317	17,453	17,456	17,506	17,541	17,663	17,690	17,760	17,913
Employed men, 45 to 54 years												
1983 ..	9,095	9,023	9,081	9,076	9,061	9,122	9,187	9,196	9,218	9,202	9,159	9,183
1984 ..	9,237	9,253	9,271	9,288	9,260	9,388	9,362	9,424	9,338	9,348	9,391	9,354
1985 ..	9,351	9,406	9,411	9,390	9,414	9,389	9,399	9,406	9,425	9,417	9,460	9,471
1986 ..	9,504	9,525	9,494	9,515	9,520	9,556	9,554	9,570	9,577	9,609	9,597	9,633
1987 ..	9,636	9,612	9,671	9,701	9,732	9,710	9,728	9,761	9,811	9,836	9,872	9,933
Employed women, 45 to 54 years												
1983 ..	6,574	6,554	6,583	6,571	6,566	6,663	6,702	6,777	6,805	6,792	6,796	6,774
1984 ..	6,749	6,714	6,834	6,871	6,895	6,883	6,869	6,886	6,851	6,877	6,888	6,917
1985 ..	7,031	7,062	7,085	7,113	7,074	7,045	7,029	7,164	7,104	7,113	7,170	7,186
1986 ..	7,350	7,290	7,289	7,296	7,265	7,333	7,428	7,405	7,443	7,558	7,534	7,552
1987 ..	7,518	7,532	7,573	7,616	7,721	7,746	7,778	7,780	7,852	7,854	7,888	7,980
Employed both sexes, 55 years and over												
1983 ..	14,232	14,198	14,162	14,112	14,116	14,175	14,224	14,226	14,376	14,345	14,365	14,338
1984 ..	14,248	14,316	14,218	14,280	14,248	14,158	14,204	14,181	14,302	14,126	14,188	14,279
1985 ..	14,224	14,300	14,471	14,341	14,259	14,241	14,154	14,272	14,276	14,347	14,293	14,268
1986 ..	14,327	14,132	14,199	14,284	14,351	14,481	14,459	14,434	14,315	14,217	14,346	14,343
1987 ..	14,431	14,370	14,391	14,373	14,452	14,537	14,497	14,498	14,491	14,641	14,663	14,716
Employed men, 55 years and over												
1983 ..	8,431	8,413	8,409	8,395	8,374	8,455	8,492	8,464	8,501	8,503	8,550	8,478
1984 ..	8,472	8,462	8,367	8,388	8,371	8,366	8,384	8,401	8,457	8,369	8,346	8,393
1985 ..	8,401	8,420	8,539	8,459	8,386	8,441	8,363	8,493	8,495	8,500	8,461	8,430
1986 ..	8,495	8,326	8,378	8,427	8,448	8,436	8,410	8,361	8,350	8,334	8,426	8,507
1987 ..	8,470	8,467	8,507	8,480	8,544	8,561	8,524	8,503	8,514	8,580	8,605	8,629
Employed women, 55 years and over												
1983 ..	5,801	5,785	5,753	5,717	5,742	5,720	5,732	5,762	5,875	5,842	5,815	5,860
1984 ..	5,776	5,854	5,851	5,892	5,877	5,792	5,820	5,780	5,845	5,757	5,842	5,886
1985 ..	5,823	5,880	5,932	5,882	5,873	5,800	5,791	5,779	5,781	5,847	5,832	5,838
1986 ..	5,832	5,806	5,821	5,857	5,903	6,045	6,049	6,073	5,965	5,883	5,920	5,836
1987 ..	5,961	5,903	5,884	5,893	5,908	5,976	5,973	5,995	5,977	6,061	6,058	6,087
Employed both sexes, 55 to 64 years												
1983 ..	11,336	11,297	11,217	11,194	11,230	11,296	11,322	11,298	11,358	11,375	11,398	11,439
1984 ..	11,337	11,429	11,385	11,460	11,432	11,395	11,407	11,376	11,423	11,256	11,364	11,462
1985 ..	11,439	11,470	11,603	11,503	11,461	11,463	11,423	11,503	11,449	11,505	11,467	11,400
1986 ..	11,371	11,236	11,312	11,344	11,419	11,517	11,505	11,523	11,409	11,386	11,424	11,410
1987 ..	11,489	11,440	11,409	11,425	11,444	11,448	11,423	11,385	11,446	11,551	11,548	11,567
Employed men, 55 to 64 years												
1983 ..	6,678	6,674	6,622	6,622	6,651	6,698	6,695	6,683	6,705	6,717	6,745	6,741
1984 ..	6,705	6,709	6,661	6,706	6,682	6,683	6,689	6,714	6,716	6,659	6,676	6,737
1985 ..	6,746	6,736	6,810	6,766	6,711	6,780	6,748	6,790	6,757	6,769	6,746	6,683
1986 ..	6,675	6,556	6,614	6,651	6,690	6,666	6,656	6,648	6,650	6,661	6,679	6,704
1987 ..	6,714	6,714	6,720	6,684	6,693	6,660	6,671	6,602	6,662	6,690	6,692	6,689
Employed women, 55 to 64 years												
1983 ..	4,658	4,623	4,595	4,572	4,579	4,598	4,627	4,615	4,653	4,658	4,653	4,698
1984 ..	4,632	4,720	4,724	4,754	4,750	4,712	4,718	4,662	4,707	4,597	4,688	4,725
1985 ..	4,693	4,734	4,793	4,737	4,750	4,683	4,675	4,713	4,692	4,736	4,721	4,717
1986 ..	4,696	4,680	4,698	4,693	4,729	4,851	4,849	4,875	4,759	4,725	4,745	4,706
1987 ..	4,775	4,726	4,689	4,741	4,751	4,788	4,752	4,783	4,784	4,861	4,856	4,878

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**3. Employed persons by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed both sexes, 65 years and over</b>												
1983 .....	2,896	2,901	2,945	2,918	2,866	2,879	2,902	2,928	3,018	2,970	2,967	2,899
1984 .....	2,911	2,887	2,833	2,820	2,816	2,763	2,797	2,805	2,879	2,870	2,824	2,817
1985 .....	2,785	2,830	2,868	2,838	2,798	2,778	2,731	2,769	2,827	2,842	2,826	2,868
1986 .....	2,955	2,896	2,887	2,940	2,932	2,964	2,954	2,911	2,906	2,831	2,922	2,933
1987 .....	2,942	2,930	2,982	2,948	3,008	3,089	3,074	3,113	3,045	3,090	3,115	3,149
<b>Employed men, 65 years and over</b>												
1983 .....	1,753	1,739	1,787	1,773	1,723	1,757	1,797	1,781	1,796	1,786	1,805	1,737
1984 .....	1,767	1,753	1,706	1,682	1,689	1,683	1,695	1,687	1,741	1,710	1,670	1,656
1985 .....	1,655	1,684	1,729	1,693	1,675	1,661	1,615	1,703	1,738	1,731	1,715	1,747
1986 .....	1,820	1,770	1,764	1,776	1,758	1,770	1,754	1,713	1,700	1,673	1,747	1,803
1987 .....	1,756	1,753	1,787	1,796	1,851	1,901	1,853	1,901	1,852	1,890	1,913	1,940
<b>Employed women, 65 years and over</b>												
1983 .....	1,143	1,162	1,158	1,145	1,163	1,122	1,105	1,147	1,222	1,184	1,162	1,162
1984 .....	1,144	1,134	1,127	1,138	1,127	1,080	1,102	1,118	1,138	1,160	1,154	1,161
1985 .....	1,130	1,146	1,139	1,145	1,123	1,117	1,116	1,066	1,089	1,111	1,111	1,121
1986 .....	1,136	1,126	1,123	1,164	1,174	1,194	1,200	1,198	1,206	1,158	1,175	1,130
1987 .....	1,186	1,177	1,195	1,152	1,157	1,188	1,221	1,212	1,193	1,200	1,202	1,209
<b>Employed white workers</b>												
1983 .....	87,427	87,232	87,385	87,742	87,897	88,855	89,289	89,613	89,826	90,002	90,536	90,846
1984 .....	90,983	91,378	91,651	91,787	92,328	92,702	92,514	91,983	92,267	92,409	92,590	92,856
1985 .....	93,002	93,392	93,668	93,518	93,510	93,169	93,406	93,560	94,136	94,363	94,551	94,559
1986 .....	95,136	94,775	95,020	95,109	95,098	95,735	95,854	96,114	96,046	96,162	96,343	96,544
1987 .....	96,749	97,001	97,074	97,338	97,829	97,698	97,917	98,181	98,069	98,317	98,492	98,779
<b>Employed white men</b>												
1983 .....	49,743	49,661	49,753	49,943	50,135	50,845	50,985	50,981	51,015	51,177	51,511	51,682
1984 .....	51,865	52,063	52,233	52,242	52,379	52,889	52,614	52,447	52,645	52,659	52,722	52,803
1985 .....	52,759	52,803	52,973	52,999	53,085	52,858	52,913	53,002	53,229	53,315	53,350	53,291
1986 .....	53,787	53,559	53,569	53,632	53,481	53,758	53,738	53,888	53,880	53,869	54,094	54,188
1987 .....	54,273	54,403	54,323	54,403	54,591	54,553	54,651	54,779	54,801	54,895	54,976	55,111
<b>Employed white women</b>												
1983 .....	37,684	37,571	37,632	37,799	37,762	38,010	38,304	38,632	38,811	38,825	39,025	39,164
1984 .....	39,118	39,315	39,418	39,545	39,949	39,813	39,900	39,536	39,622	39,750	39,868	40,053
1985 .....	40,243	40,589	40,695	40,519	40,425	40,311	40,493	40,558	40,907	41,048	41,201	41,268
1986 .....	41,349	41,216	41,451	41,477	41,617	41,977	42,116	42,226	42,166	42,293	42,249	42,356
1987 .....	42,476	42,598	42,751	42,935	43,238	43,145	43,266	43,402	43,268	43,422	43,516	43,668
<b>Employed white workers, 16 to 19 years</b>												
1983 .....	5,838	5,772	5,682	5,676	5,659	5,885	5,807	5,873	5,860	5,780	5,855	5,931
1984 .....	5,880	5,874	5,849	5,860	5,867	5,988	5,916	5,639	5,792	5,793	5,796	5,812
1985 .....	5,859	5,909	5,904	5,837	5,791	5,618	5,743	5,627	5,770	5,699	5,788	5,693
1986 .....	5,687	5,778	5,837	5,787	5,788	5,799	5,762	5,811	5,811	5,883	5,819	5,750
1987 .....	5,840	5,880	5,813	5,846	5,935	5,842	5,904	6,017	5,857	5,915	5,917	6,021
<b>Employed white men, 16 to 19 years</b>												
1983 .....	2,986	2,976	2,904	2,924	2,952	3,105	3,011	3,028	3,053	2,993	3,047	3,063
1984 .....	2,955	3,027	3,041	3,002	3,025	3,113	2,973	2,901	2,972	2,984	3,002	3,023
1985 .....	3,041	2,992	3,051	3,072	3,039	2,991	2,985	2,911	2,952	2,914	2,957	2,916
1986 .....	2,918	2,942	2,941	2,964	2,963	2,965	2,978	2,986	3,012	3,019	3,006	2,904
1987 .....	2,977	3,037	2,952	2,943	2,965	2,962	2,981	3,064	2,998	3,031	3,007	3,065
<b>Employed white women, 16 to 19 years</b>												
1983 .....	2,852	2,796	2,778	2,752	2,707	2,780	2,796	2,845	2,807	2,787	2,808	2,868
1984 .....	2,925	2,847	2,808	2,858	2,842	2,875	2,943	2,738	2,820	2,809	2,794	2,789
1985 .....	2,818	2,917	2,853	2,765	2,752	2,627	2,758	2,716	2,818	2,785	2,831	2,777
1986 .....	2,769	2,836	2,896	2,823	2,825	2,834	2,784	2,825	2,799	2,864	2,813	2,846
1987 .....	2,863	2,843	2,861	2,903	2,970	2,880	2,923	2,953	2,859	2,884	2,910	2,956

**3. Employed persons by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed white workers, 20 years and over</b>												
1983	81,589	81,460	81,703	82,066	82,238	82,970	83,482	83,740	83,966	84,222	84,681	84,915
1984	85,103	85,504	85,802	85,927	86,461	86,714	86,598	86,344	86,475	86,616	86,794	87,044
1985	87,143	87,483	87,764	87,681	87,719	87,551	87,663	87,933	88,366	88,664	88,763	88,866
1986	89,449	88,997	89,183	89,322	89,310	89,936	90,092	90,303	90,235	90,279	90,524	90,794
1987	90,909	91,121	91,261	91,492	91,894	91,856	92,013	92,164	92,212	92,402	92,575	92,758
<b>Employed white men, 20 years and over</b>												
1983	46,757	46,685	46,849	47,019	47,183	47,740	47,974	47,953	47,962	48,184	48,464	48,619
1984	48,910	49,036	49,192	49,240	49,354	49,776	49,641	49,546	49,673	49,675	49,720	49,780
1985	49,718	49,811	49,922	49,927	50,046	49,867	49,928	50,091	50,277	50,401	50,393	50,375
1986	50,869	50,617	50,628	50,668	50,518	50,793	50,760	50,902	50,868	50,850	51,088	51,284
1987	51,296	51,366	51,371	51,460	51,626	51,591	51,670	51,715	51,803	51,864	51,969	52,046
<b>Employed white women, 20 years and over</b>												
1983	34,832	34,775	34,854	35,047	35,055	35,230	35,508	35,787	36,004	36,038	36,217	36,296
1984	36,193	36,468	36,610	36,687	37,107	36,938	36,957	36,798	36,802	36,841	37,074	37,264
1985	37,425	37,672	37,842	37,754	37,673	37,684	37,735	37,842	38,089	38,263	38,370	38,491
1986	38,580	38,380	38,555	38,654	38,792	39,143	39,332	39,401	39,367	39,429	39,436	39,510
1987	39,613	39,755	39,890	40,032	40,268	40,265	40,343	40,449	40,409	40,538	40,606	40,712
<b>Employed black workers</b>												
1983	9,158	9,271	9,241	9,223	9,247	9,309	9,453	9,411	9,524	9,472	9,594	9,602
1984	9,703	9,959	9,882	9,885	10,068	10,127	10,068	10,238	10,292	10,331	10,438	10,431
1985	10,448	10,338	10,417	10,469	10,452	10,539	10,481	10,574	10,531	10,559	10,524	10,680
1986	10,720	10,694	10,786	10,828	10,880	10,829	10,809	10,669	10,798	10,883	10,904	10,968
1987	10,995	11,086	11,072	11,114	11,129	11,238	11,381	11,513	11,421	11,556	11,589	11,605
<b>Employed black men</b>												
1983	4,605	4,640	4,652	4,646	4,634	4,739	4,797	4,760	4,817	4,851	4,939	4,946
1984	4,991	5,107	5,032	4,975	5,121	5,082	5,055	5,157	5,198	5,239	5,279	5,242
1985	5,228	5,206	5,205	5,225	5,250	5,271	5,269	5,369	5,326	5,299	5,262	5,332
1986	5,403	5,377	5,422	5,432	5,487	5,446	5,430	5,340	5,389	5,430	5,450	5,530
1987	5,553	5,565	5,579	5,600	5,570	5,614	5,689	5,750	5,738	5,753	5,763	5,754
<b>Employed black women</b>												
1983	4,553	4,631	4,589	4,577	4,613	4,570	4,656	4,651	4,707	4,621	4,655	4,656
1984	4,712	4,852	4,850	4,910	4,947	5,045	5,013	5,081	5,094	5,092	5,159	5,189
1985	5,220	5,132	5,212	5,244	5,202	5,268	5,212	5,205	5,205	5,260	5,262	5,348
1986	5,317	5,317	5,364	5,396	5,393	5,383	5,379	5,329	5,409	5,453	5,454	5,438
1987	5,442	5,521	5,493	5,514	5,559	5,624	5,692	5,763	5,683	5,803	5,826	5,851
<b>Employed black workers, 16 to 19 years</b>												
1983	436	420	432	413	413	423	425	406	391	395	423	420
1984	409	456	422	459	437	520	499	489	495	507	496	500
1985	525	513	534	552	551	510	550	543	526	536	513	525
1986	522	546	543	551	562	559	517	472	531	560	535	538
1987	517	554	544	538	541	570	580	676	643	630	622	631
<b>Employed black men, 16 to 19 years</b>												
1983	232	223	230	213	203	223	237	205	197	231	240	229
1984	222	227	243	250	256	267	258	253	269	254	263	258
1985	266	268	279	291	286	259	285	301	282	288	246	285
1986	269	290	276	287	310	281	268	252	273	275	271	260
1987	292	282	281	278	274	295	305	343	317	322	333	324
<b>Employed black women, 16 to 19 years</b>												
1983	204	197	202	200	210	200	188	201	194	164	183	191
1984	187	229	179	209	181	253	241	236	226	253	233	242
1985	259	245	255	261	265	251	265	242	244	248	267	240
1986	253	256	267	264	252	278	249	220	258	285	264	258
1987	225	272	263	260	267	275	275	333	326	308	289	307

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**3. Employed persons by sex, age, race, Hispanic origin, and marital status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed black workers, 20 years and over</b>												
1983 .....	8,722	8,851	8,809	8,810	8,834	8,886	9,028	9,005	9,133	9,077	9,171	9,182
1984 .....	9,294	9,503	9,460	9,426	9,631	9,607	9,569	9,749	9,797	9,824	9,942	9,931
1985 .....	9,923	9,825	9,883	9,917	9,901	10,029	9,931	10,031	10,005	10,023	10,011	10,155
1986 .....	10,198	10,148	10,243	10,277	10,318	10,270	10,292	10,197	10,267	10,323	10,369	10,430
1987 .....	10,478	10,532	10,528	10,576	10,588	10,668	10,801	10,837	10,778	10,926	10,967	10,974
<b>Employed black men, 20 years and over</b>												
1983 .....	4,373	4,417	4,422	4,433	4,431	4,516	4,560	4,555	4,620	4,620	4,699	4,717
1984 .....	4,769	4,880	4,789	4,725	4,865	4,815	4,797	4,904	4,929	4,985	5,016	4,984
1985 .....	4,962	4,938	4,926	4,934	4,964	5,012	4,984	5,068	5,044	5,011	5,016	5,047
1986 .....	5,134	5,087	5,146	5,145	5,177	5,165	5,162	5,088	5,116	5,155	5,179	5,250
1987 .....	5,261	5,283	5,298	5,322	5,296	5,319	5,384	5,407	5,421	5,431	5,430	5,430
<b>Employed black women, 20 years and over</b>												
1983 .....	4,349	4,434	4,387	4,377	4,403	4,370	4,468	4,450	4,513	4,457	4,472	4,465
1984 .....	4,525	4,623	4,671	4,701	4,766	4,792	4,772	4,845	4,868	4,839	4,926	4,947
1985 .....	4,961	4,887	4,957	4,983	4,937	5,017	4,947	4,963	4,961	5,012	4,995	5,108
1986 .....	5,064	5,061	5,097	5,132	5,141	5,105	5,130	5,109	5,151	5,168	5,190	5,180
1987 .....	5,217	5,249	5,230	5,254	5,292	5,349	5,417	5,430	5,357	5,495	5,537	5,544
<b>Employed Hispanic-origin workers</b>												
1983 .....	5,811	5,826	5,795	5,935	5,982	6,054	6,146	6,201	6,209	6,229	6,278	6,365
1984 .....	6,448	6,460	6,503	6,462	6,601	6,691	6,698	6,705	6,757	6,748	6,812	6,908
1985 .....	6,707	6,834	6,825	6,795	6,792	6,836	6,868	7,003	7,056	6,991	6,950	6,978
1986 .....	6,990	6,965	7,089	7,119	7,102	7,229	7,288	7,246	7,305	7,359	7,456	7,460
1987 .....	7,533	7,614	7,632	7,686	7,797	7,738	7,762	7,856	7,877	7,935	7,978	8,058
<b>Employed married men, spouse present</b>												
1983 .....	37,480	37,426	37,482	37,521	37,540	37,913	38,296	38,368	38,344	38,322	38,398	38,495
1984 .....	38,622	38,845	38,839	38,958	39,046	39,098	39,207	39,136	39,171	39,089	39,283	39,389
1985 .....	39,345	39,325	39,472	39,348	39,244	38,979	39,121	39,161	39,166	39,320	39,261	39,252
1986 .....	39,514	39,390	39,367	39,534	39,618	39,663	39,654	39,751	39,707	39,723	39,891	40,082
1987 .....	40,047	39,958	40,054	40,021	40,075	40,120	40,262	40,308	40,404	40,556	40,645	40,711
<b>Employed married women, spouse present</b>												
1983 .....	24,258	24,160	24,257	24,410	24,294	24,370	24,584	24,866	24,956	24,918	25,007	25,074
1984 .....	25,062	25,279	25,310	25,504	25,726	25,701	25,657	25,725	25,720	25,852	25,962	26,073
1985 .....	26,012	26,163	26,248	26,112	26,008	26,039	26,177	26,297	26,577	26,725	26,768	26,858
1986 .....	26,998	26,702	26,755	26,830	26,868	27,221	27,344	27,357	27,306	27,402	27,431	27,517
1987 .....	27,713	27,837	27,966	28,130	28,314	28,282	28,283	28,189	28,069	28,099	28,175	28,249
<b>Employed women who maintain families</b>												
1983 .....	5,047	5,036	5,084	4,957	4,922	5,001	5,007	5,082	5,164	5,213	5,297	5,299
1984 .....	5,306	5,372	5,422	5,464	5,579	5,653	5,616	5,505	5,471	5,389	5,422	5,387
1985 .....	5,554	5,531	5,592	5,595	5,655	5,737	5,623	5,639	5,553	5,480	5,560	5,660
1986 .....	5,680	5,736	5,763	5,798	5,762	5,781	5,841	5,832	5,914	5,980	5,994	5,958
1987 .....	5,958	5,925	5,946	5,971	5,963	6,011	6,033	6,107	6,151	6,178	6,237	6,227

**4. Employed civilians in agricultural and nonagricultural industries by selected characteristics**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed in agricultural industries</b>												
1983	3,439	3,382	3,360	3,341	3,328	3,462	3,481	3,502	3,347	3,303	3,291	3,332
1984	3,296	3,354	3,234	3,309	3,319	3,377	3,340	3,295	3,388	3,195	3,400	3,387
1985	3,331	3,325	3,260	3,319	3,238	3,147	3,134	3,141	3,059	3,059	3,073	3,147
1986	3,307	3,097	3,213	3,168	3,099	3,176	3,127	3,106	3,164	3,142	3,233	3,153
1987	3,174	3,225	3,237	3,250	3,269	3,192	3,212	3,143	3,184	3,249	3,172	3,215
<b>Employed in agricultural industries, both sexes, 16 to 19 years</b>												
1983	384	353	309	336	314	343	359	370	297	292	290	326
1984	311	321	314	296	309	301	314	292	325	275	364	309
1985	323	342	344	346	325	302	302	297	299	254	277	270
1986	260	236	265	275	266	273	245	262	252	247	251	240
1987	262	274	274	269	257	257	259	245	239	270	239	274
<b>Employed in agricultural industries, men, 16 to 19 years</b>												
1983	314	278	257	271	259	286	290	309	246	240	245	270
1984	258	266	254	241	250	237	249	236	263	225	306	267
1985	280	294	291	273	277	255	253	259	249	206	230	228
1986	210	192	225	234	230	233	214	223	216	209	216	197
1987	220	228	221	230	211	214	214	200	202	226	194	225
<b>Employed in agricultural industries, women, 16 to 19 years</b>												
1983	70	75	52	65	55	57	69	61	51	52	45	56
1984	53	55	60	55	59	64	65	56	62	50	58	42
1985	43	48	53	73	48	47	49	38	50	48	47	42
1986	50	44	40	41	36	40	31	39	36	38	35	43
1987	42	46	53	39	46	43	45	45	37	44	45	49
<b>Employed in agricultural industries, both sexes, 20 years and over</b>												
1983	3,055	3,029	3,051	3,005	3,014	3,119	3,122	3,132	3,050	3,011	3,001	3,006
1984	2,985	3,033	2,920	3,013	3,010	3,076	3,026	3,003	3,063	2,920	3,036	3,078
1985	3,008	2,983	2,916	2,973	2,913	2,845	2,832	2,844	2,760	2,805	2,796	2,877
1986	3,047	2,861	2,948	2,893	2,833	2,903	2,882	2,844	2,912	2,895	2,982	2,913
1987	2,912	2,951	2,963	2,981	3,012	2,935	2,953	2,898	2,945	2,979	2,933	2,941
<b>Employed in agricultural industries, men, 20 years and over</b>												
1983	2,444	2,404	2,430	2,391	2,415	2,478	2,503	2,493	2,455	2,405	2,362	2,367
1984	2,370	2,417	2,360	2,402	2,409	2,440	2,445	2,425	2,444	2,357	2,464	2,494
1985	2,426	2,383	2,288	2,323	2,320	2,256	2,238	2,265	2,188	2,193	2,225	2,290
1986	2,370	2,276	2,350	2,296	2,233	2,316	2,275	2,217	2,285	2,296	2,323	2,304
1987	2,287	2,317	2,361	2,378	2,383	2,316	2,333	2,289	2,345	2,343	2,297	2,298
<b>Employed in agricultural industries, women, 20 years and over</b>												
1983	611	625	621	614	599	641	619	639	595	606	639	639
1984	615	616	560	611	601	636	581	578	619	563	572	584
1985	582	600	628	650	593	589	594	579	572	612	571	587
1986	677	585	598	597	600	587	607	627	627	599	659	609
1987	625	634	602	603	629	619	620	609	600	636	636	643
<b>Employed in nonagricultural industries</b>												
1983	95,722	95,707	95,819	96,219	96,314	97,171	97,727	98,106	98,669	98,736	99,438	99,664
1984	99,901	100,473	100,739	101,056	101,840	102,233	102,089	101,872	102,090	102,439	102,585	102,825
1985	102,965	103,248	103,730	103,623	103,669	103,460	103,675	103,984	104,576	104,729	104,927	105,016
1986	105,597	105,427	105,640	105,793	105,938	106,495	106,710	106,929	106,883	107,052	107,224	107,504
1987	107,840	108,119	108,218	108,556	109,065	109,108	109,427	109,907	109,688	109,961	110,332	110,529
<b>Employed in nonagricultural industries, both sexes, 16 to 19 years</b>												
1983	6,022	5,947	5,887	5,868	5,868	6,080	5,973	6,087	6,086	6,004	6,152	6,156
1984	6,102	6,094	6,043	6,151	6,149	6,355	6,220	6,050	6,104	6,133	6,101	6,131
1985	6,207	6,206	6,241	6,209	6,168	5,955	6,100	6,062	6,119	6,067	6,153	6,064
1986	6,058	6,166	6,243	6,215	6,225	6,225	6,226	6,249	6,230	6,327	6,236	6,176
1987	6,242	6,261	6,219	6,260	6,376	6,323	6,391	6,672	6,415	6,423	6,467	6,535

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**4. Employed civilians in agricultural and nonagricultural industries by selected characteristics—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed in nonagricultural industries, men, 16 to 19 years</b>												
1983	2,983	2,981	2,927	2,926	2,952	3,116	3,026	3,016	3,078	3,048	3,156	3,101
1984	2,988	3,037	3,086	3,079	3,093	3,231	3,042	3,038	3,051	3,061	3,059	3,082
1985	3,111	3,040	3,127	3,164	3,119	3,071	3,061	3,038	3,037	3,021	3,038	3,024
1986	3,015	3,072	3,072	3,102	3,120	3,097	3,133	3,131	3,144	3,158	3,144	3,050
1987	3,122	3,145	3,087	3,069	3,093	3,138	3,153	3,316	3,199	3,205	3,223	3,246
<b>Employed in nonagricultural industries, women, 16 to 19 years</b>												
1983	3,039	2,966	2,960	2,942	2,916	2,964	2,947	3,071	3,008	2,956	2,996	3,055
1984	3,114	3,057	2,957	3,072	3,056	3,124	3,178	3,012	3,053	3,072	3,042	3,049
1985	3,096	3,166	3,114	3,045	3,049	2,884	3,039	3,024	3,082	3,046	3,115	3,040
1986	3,043	3,094	3,171	3,113	3,105	3,128	3,093	3,118	3,086	3,169	3,092	3,126
1987	3,120	3,116	3,132	3,191	3,283	3,185	3,238	3,356	3,216	3,218	3,244	3,289
<b>Employed in nonagricultural industries, both sexes, 20 years and over</b>												
1983	89,700	89,760	89,932	90,351	90,446	91,091	91,754	92,019	92,583	92,732	93,286	93,508
1984	93,799	94,379	94,696	94,905	95,691	95,878	95,869	95,822	95,986	96,306	96,484	96,694
1985	96,758	97,042	97,489	97,414	97,501	97,505	97,575	97,922	98,457	98,662	98,774	98,952
1986	99,539	99,261	99,397	99,578	99,713	100,270	100,484	100,680	100,653	100,725	100,988	101,328
1987	101,598	101,858	101,999	102,296	102,689	102,785	103,036	103,235	103,273	103,538	103,665	103,994
<b>Employed in nonagricultural industries, men, 20 years and over</b>												
1983	50,043	50,049	50,185	50,423	50,507	51,037	51,332	51,344	51,528	51,741	52,137	52,295
1984	52,599	52,793	52,917	52,981	53,233	53,565	53,483	53,522	53,654	53,824	53,812	53,805
1985	53,737	53,837	54,061	54,055	54,199	54,131	54,218	54,413	54,652	54,726	54,724	54,649
1986	55,236	55,018	55,011	55,078	55,040	55,234	55,276	55,403	55,340	55,311	55,570	55,816
1987	55,933	56,007	56,019	56,138	56,290	56,316	56,450	56,536	56,622	56,694	56,867	56,887
<b>Employed in nonagricultural industries, women, 20 years and over</b>												
1983	39,657	39,711	39,747	39,928	39,939	40,054	40,422	40,675	41,055	40,991	41,149	41,213
1984	41,200	41,586	41,779	41,924	42,458	42,313	42,386	42,300	42,332	42,482	42,672	42,889
1985	43,021	43,205	43,428	43,359	43,302	43,374	43,357	43,509	43,805	43,936	44,050	44,303
1986	44,303	44,243	44,386	44,500	44,673	45,036	45,208	45,277	45,313	45,414	45,418	45,512
1987	45,665	45,851	45,980	46,158	46,399	46,469	46,586	46,699	46,651	46,844	46,998	47,107
<b>Employed total wage and salary workers</b>												
1983	89,617	89,483	89,516	89,820	89,905	90,886	91,355	91,779	92,378	92,217	92,739	93,018
1984	93,234	93,860	94,136	94,380	95,214	95,549	95,422	95,186	95,789	95,962	96,197	96,431
1985	96,581	96,843	97,157	97,120	97,174	96,913	97,085	97,222	98,059	98,035	98,289	98,477
1986	99,424	99,029	99,306	99,396	99,353	99,902	99,796	100,057	100,287	100,441	100,411	100,823
1987	101,192	101,412	101,552	101,705	102,306	102,132	102,450	102,832	102,906	103,227	103,538	103,596
<b>Employed wage and salary workers in agricultural industries</b>												
1983	1,634	1,594	1,548	1,509	1,545	1,604	1,652	1,695	1,598	1,557	1,485	1,486
1984	1,457	1,530	1,491	1,559	1,554	1,577	1,549	1,514	1,611	1,551	1,585	1,686
1985	1,576	1,587	1,552	1,614	1,574	1,539	1,500	1,513	1,462	1,471	1,537	1,551
1986	1,635	1,507	1,619	1,545	1,469	1,511	1,510	1,532	1,530	1,562	1,594	1,626
1987	1,635	1,640	1,689	1,599	1,672	1,622	1,625	1,591	1,624	1,705	1,595	1,599
<b>Employed nonagricultural private wage and salary workers</b>												
1983	72,500	72,434	72,521	72,800	72,821	73,751	74,079	74,437	75,291	75,152	75,601	75,981
1984	76,160	76,573	76,869	77,038	77,887	78,259	78,247	77,927	78,311	78,490	78,838	78,885
1985	79,191	79,257	79,583	79,507	79,660	79,396	79,746	79,643	80,423	80,368	80,631	80,737
1986	81,373	81,361	81,517	81,599	81,549	82,041	81,781	82,061	82,423	82,655	82,387	82,739
1987	83,065	83,219	83,269	83,588	83,926	83,590	83,949	84,447	84,354	84,489	84,825	84,933
<b>Employed government workers in nonagricultural industries</b>												
1983	15,483	15,455	15,447	15,511	15,539	15,531	15,624	15,647	15,489	15,508	15,653	15,551
1984	15,617	15,757	15,776	15,783	15,773	15,713	15,626	15,745	15,867	15,921	15,774	15,860
1985	15,814	15,999	16,022	15,999	15,940	15,978	15,839	16,066	16,174	16,196	16,121	16,189
1986	16,416	16,161	16,170	16,252	16,335	16,350	16,505	16,464	16,334	16,224	16,430	16,458
1987	16,492	16,553	16,594	16,518	16,708	16,920	16,876	16,794	16,928	17,033	17,118	17,064

4. Employed civilians in agricultural and nonagricultural industries by selected characteristics—Continued

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed self-employed workers in agricultural industries												
1983 .....	1,579	1,559	1,581	1,601	1,557	1,590	1,568	1,568	1,505	1,531	1,558	1,599
1984 .....	1,604	1,599	1,574	1,537	1,530	1,571	1,549	1,575	1,570	1,480	1,565	1,499
1985 .....	1,528	1,498	1,496	1,479	1,482	1,453	1,475	1,467	1,403	1,432	1,363	1,438
1986 .....	1,502	1,432	1,447	1,455	1,461	1,508	1,427	1,409	1,462	1,442	1,430	1,387
1987 .....	1,392	1,440	1,416	1,488	1,429	1,403	1,424	1,393	1,415	1,430	1,407	1,450
Employed self-employed workers in nonagricultural industries												
1983 .....	7,370	7,403	7,468	7,510	7,539	7,527	7,625	7,611	7,673	7,662	7,785	7,687
1984 .....	7,836	7,859	7,780	7,860	7,822	7,853	7,751	7,771	7,748	7,721	7,677	7,720
1985 .....	7,743	7,719	7,838	7,770	7,754	7,732	7,691	7,843	7,838	7,949	7,997	7,818
1986 .....	7,643	7,698	7,732	7,647	7,807	7,808	8,039	7,959	7,957	7,964	8,208	8,057
1987 .....	8,136	8,166	8,082	8,139	8,157	8,293	8,216	8,214	8,204	8,274	8,222	8,280
Employed unpaid-family workers in agricultural industries												
1983 .....	232	223	246	217	226	260	249	243	246	242	230	252
1984 .....	235	224	180	202	230	222	228	211	201	191	208	225
1985 .....	230	238	221	211	184	165	170	172	184	180	148	167
1986 .....	171	164	171	169	172	161	170	171	163	167	194	149
1987 .....	143	132	152	170	165	162	153	155	139	140	155	156
Employed unpaid-family workers in nonagricultural industries												
1983 .....	366	347	349	358	361	352	340	369	381	401	461	426
1984 .....	352	320	333	340	332	348	328	315	316	320	366	347
1985 .....	333	326	322	302	296	294	276	293	262	252	258	256
1986 .....	270	260	241	251	235	236	254	270	271	267	261	241
1987 .....	245	254	270	268	276	274	266	248	297	242	235	248

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**5. Persons at work on part-time schedules by reason**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Total at work on part-time schedules for economic reasons</b>												
1983	6,733	6,570	6,448	6,300	6,229	6,240	6,182	6,248	6,196	6,009	6,141	5,882
1984	5,932	5,979	5,658	5,764	5,554	5,878	5,728	5,577	5,700	5,712	5,619	5,785
1985	5,627	5,389	5,710	5,648	5,807	5,591	5,574	5,732	5,578	5,420	5,493	5,495
1986	5,546	5,428	5,554	5,861	5,879	5,608	5,371	5,491	5,575	5,693	5,519	5,592
1987	5,508	5,766	5,459	5,394	5,333	5,254	5,428	5,283	5,261	5,353	5,534	5,262
<b>Total at work on part-time schedules for economic reasons-slack work</b>												
1983	3,313	3,115	3,038	2,887	2,841	2,779	2,800	2,768	2,669	2,542	2,624	2,503
1984	2,532	2,513	2,344	2,357	2,259	2,325	2,375	2,351	2,428	2,514	2,450	2,662
1985	2,466	2,225	2,606	2,528	2,624	2,547	2,401	2,479	2,429	2,209	2,296	2,376
1986	2,369	2,353	2,347	2,558	2,676	2,461	2,460	2,385	2,476	2,476	2,473	2,459
1987	2,467	2,501	2,438	2,345	2,292	2,345	2,429	2,468	2,213	2,377	2,408	2,284
<b>Total at work on part-time schedules for economic reasons-could only find part-time work</b>												
1983	3,090	3,089	3,115	3,120	3,098	3,124	2,923	3,071	3,222	3,143	3,168	3,136
1984	3,093	3,067	3,034	3,071	3,014	3,044	2,866	2,743	2,995	2,835	2,835	2,852
1985	2,835	2,799	2,736	2,722	2,844	2,774	2,793	2,880	2,818	2,880	2,891	2,860
1986	2,892	2,677	2,920	2,910	2,854	2,853	2,633	2,768	2,764	2,816	2,676	2,895
1987	2,721	2,773	2,707	2,725	2,677	2,623	2,683	2,526	2,683	2,655	2,696	2,638
<b>Total at work on part-time schedules for noneconomic reasons-usually work part time</b>												
1983	12,774	12,717	12,744	12,927	12,723	12,473	13,035	13,024	13,135	13,025	13,114	13,239
1984	13,006	13,014	13,046	13,351	13,520	12,959	13,096	13,141	13,226	13,089	13,189	13,347
1985	13,288	13,545	13,558	13,327	13,214	13,209	13,572	13,554	13,578	13,697	13,704	13,633
1986	13,866	13,834	13,798	13,948	13,798	13,980	13,945	13,918	13,994	14,230	14,083	13,860
1987	14,147	14,110	14,201	13,940	14,498	14,836	14,437	14,573	14,415	14,488	14,523	14,711
<b>Nonagricultural workers on part-time schedules for economic reasons</b>												
1983	6,446	6,329	6,194	6,029	5,929	5,966	5,868	5,947	5,984	5,728	5,867	5,669
1984	5,715	5,734	5,488	5,524	5,295	5,594	5,474	5,375	5,468	5,476	5,387	5,585
1985	5,400	5,129	5,435	5,359	5,499	5,317	5,308	5,452	5,335	5,198	5,285	5,268
1986	5,301	5,209	5,307	5,564	5,600	5,381	5,149	5,288	5,337	5,438	5,270	5,324
1987	5,211	5,458	5,180	5,104	5,058	4,979	5,154	5,016	4,986	5,067	5,241	5,004
<b>Nonagricultural workers on part-time schedules for economic reasons-slack work</b>												
1983	3,151	2,993	2,899	2,726	2,669	2,645	2,635	2,586	2,508	2,444	2,456	2,362
1984	2,394	2,373	2,235	2,236	2,138	2,168	2,220	2,228	2,264	2,364	2,294	2,530
1985	2,325	2,060	2,407	2,357	2,438	2,355	2,242	2,311	2,288	2,088	2,177	2,235
1986	2,225	2,216	2,169	2,407	2,543	2,329	2,300	2,256	2,312	2,307	2,331	2,291
1987	2,279	2,315	2,234	2,163	2,126	2,176	2,261	2,265	2,034	2,196	2,209	2,111
<b>Nonagricultural workers on part-time schedules for economic reasons-could only find part-time work</b>												
1983	2,975	2,975	2,997	3,023	3,012	3,016	2,817	2,961	3,138	3,001	3,069	3,037
1984	3,002	2,989	2,961	2,975	2,919	2,957	2,794	2,669	2,914	2,773	2,749	2,771
1985	2,747	2,719	2,650	2,646	2,762	2,704	2,708	2,774	2,713	2,789	2,780	2,761
1986	2,795	2,616	2,837	2,798	2,756	2,773	2,588	2,705	2,691	2,739	2,568	2,791
1987	2,631	2,682	2,612	2,648	2,603	2,530	2,599	2,463	2,603	2,557	2,597	2,552
<b>Nonagricultural workers on part-time schedules for noneconomic reasons-usually work part time</b>												
1983	12,304	12,200	12,263	12,587	12,224	11,943	12,421	12,495	12,642	12,500	12,645	12,715
1984	12,536	12,527	12,536	13,036	13,015	12,495	12,659	12,655	12,724	12,619	12,710	12,881
1985	12,811	13,072	13,084	12,961	12,736	12,796	13,159	13,071	13,093	13,231	13,240	13,202
1986	13,362	13,382	13,371	13,657	13,344	13,518	13,527	13,528	13,553	13,752	13,604	13,459
1987	13,706	13,635	13,717	13,544	13,995	14,334	13,953	14,099	13,987	14,011	14,064	14,222



6. Employment-population ratios by sex, age, race, and Hispanic origin

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total employment-population ratio, including resident Armed Forces												
1983 .....	57.6	57.5	57.5	57.7	57.7	58.2	58.5	58.6	58.8	58.8	59.1	59.2
1984 .....	59.2	59.5	59.5	59.7	60.1	60.3	60.1	59.9	60.1	60.1	60.2	60.3
1985 .....	60.3	60.4	60.6	60.5	60.5	60.2	60.3	60.4	60.7	60.7	60.7	60.8
1986 .....	61.0	60.7	60.8	60.9	60.8	61.1	61.1	61.2	61.2	61.2	61.3	61.3
1987 .....	61.4	61.5	61.5	61.7	61.9	61.8	61.9	62.1	62.0	62.1	62.2	62.3
Total employment-population ratio, including resident Armed Forces, men												
1983 .....	68.5	68.4	68.4	68.6	68.7	69.6	69.8	69.7	69.8	69.9	70.4	70.5
1984 .....	70.5	70.8	70.9	70.9	71.2	71.7	71.3	71.3	71.4	71.4	71.6	71.5
1985 .....	71.4	71.3	71.5	71.5	71.6	71.3	71.3	71.5	71.6	71.5	71.5	71.4
1986 .....	71.8	71.4	71.5	71.5	71.3	71.5	71.4	71.5	71.4	71.4	71.6	71.7
1987 .....	71.7	71.8	71.7	71.8	71.9	71.8	72.0	72.1	72.1	72.2	72.2	72.2
Total employment-population ratio, including resident Armed Forces, women												
1983 .....	47.6	47.6	47.5	47.7	47.6	47.8	48.1	48.5	48.7	48.6	48.8	48.9
1984 .....	48.8	49.1	49.1	49.4	49.9	49.8	49.9	49.5	49.6	49.7	49.8	50.0
1985 .....	50.2	50.4	50.6	50.5	50.3	50.1	50.2	50.3	50.7	50.7	50.8	51.0
1986 .....	51.0	50.9	51.1	51.1	51.2	51.6	51.7	51.8	51.7	51.8	51.8	51.8
1987 .....	51.9	52.1	52.2	52.3	52.7	52.6	52.7	52.9	52.7	52.9	53.0	53.1
Civilian employment-population ratio, all civilian workers												
1983 .....	57.2	57.1	57.1	57.3	57.3	57.8	58.1	58.2	58.4	58.4	58.7	58.8
1984 .....	58.8	59.1	59.1	59.3	59.7	59.9	59.8	59.6	59.7	59.7	59.8	59.9
1985 .....	59.9	60.0	60.2	60.1	60.1	59.9	59.9	60.0	60.3	60.3	60.4	60.4
1986 .....	60.6	60.4	60.5	60.5	60.5	60.8	60.8	60.9	60.8	60.8	60.9	61.0
1987 .....	61.1	61.2	61.2	61.3	61.5	61.5	61.6	61.8	61.6	61.8	61.9	61.9
Civilian employment-population ratio, men												
1983 .....	67.9	67.8	67.8	68.0	68.1	69.0	69.2	69.2	69.3	69.4	69.9	69.9
1984 .....	70.0	70.3	70.3	70.4	70.7	71.2	70.8	70.8	70.9	70.9	71.0	71.0
1985 .....	70.8	70.8	71.0	71.0	71.0	70.7	70.7	70.9	71.0	71.0	71.0	70.9
1986 .....	71.3	70.9	70.9	70.9	70.8	71.0	70.9	71.0	70.9	70.8	71.1	71.1
1987 .....	71.2	71.3	71.2	71.3	71.4	71.3	71.5	71.6	71.6	71.7	71.7	71.7
Civilian employment-population ratio, women												
1983 .....	47.5	47.5	47.5	47.6	47.5	47.7	48.0	48.4	48.7	48.5	48.7	48.8
1984 .....	48.7	49.0	49.0	49.3	49.8	49.8	49.8	49.5	49.5	49.6	49.7	49.9
1985 .....	50.1	50.4	50.5	50.4	50.2	50.1	50.2	50.2	50.6	50.7	50.8	50.9
1986 .....	51.0	50.8	51.0	51.0	51.2	51.5	51.6	51.7	51.6	51.8	51.7	51.7
1987 .....	51.8	52.0	52.1	52.3	52.6	52.5	52.6	52.8	52.6	52.8	52.9	53.1
Civilian employment-population ratio, both sexes, 16 to 19 years												
1983 .....	41.3	40.7	40.2	40.3	40.3	42.0	41.5	42.5	42.1	41.6	42.7	43.2
1984 .....	42.8	43.0	42.7	43.5	43.7	45.2	44.5	43.3	44.0	43.9	44.4	44.2
1985 .....	44.7	44.8	45.2	45.1	44.8	43.2	44.3	44.0	44.4	43.7	44.4	43.8
1986 .....	43.7	44.3	44.9	44.8	44.8	44.9	44.7	44.9	44.7	45.3	44.6	44.1
1987 .....	44.7	44.9	44.6	44.8	45.4	45.0	45.5	47.2	45.5	45.7	45.7	46.6
Civilian employment-population ratio, men, 16 to 19 years												
1983 .....	42.4	42.0	41.2	41.4	41.8	44.3	43.3	43.6	43.8	43.3	45.0	44.7
1984 .....	43.2	44.1	44.8	44.7	45.1	47.0	44.7	44.6	45.2	44.9	46.0	45.9
1985 .....	46.3	45.6	46.8	47.2	46.7	45.7	45.7	45.5	45.3	44.5	45.0	44.8
1986 .....	44.5	45.1	45.4	45.9	46.0	45.7	46.0	46.0	46.2	46.2	46.0	44.5
1987 .....	45.8	46.2	45.3	45.1	45.1	45.6	45.8	47.8	46.2	46.6	46.4	47.3
Civilian employment-population ratio, women, 16 to 19 years												
1983 .....	40.2	39.4	39.1	39.2	38.8	39.6	39.7	41.3	40.5	39.9	40.5	41.6
1984 .....	42.4	41.8	40.6	42.3	42.3	43.4	44.3	42.0	42.7	42.9	42.7	42.6
1985 .....	43.1	44.1	43.5	43.0	42.9	40.7	42.9	42.6	43.5	42.9	43.8	42.7
1986 .....	42.9	43.5	44.4	43.7	43.6	44.0	43.4	43.7	43.2	44.3	43.1	43.7
1987 .....	43.6	43.6	43.9	44.5	45.8	44.4	45.1	46.6	44.7	44.7	45.1	45.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**6. Employment-population ratios by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 20 years and over												
1983	58.8	58.7	58.8	58.9	58.9	59.3	59.7	59.8	60.0	60.0	60.2	60.3
1984	60.3	60.6	60.7	60.8	61.2	61.3	61.1	61.0	61.1	61.1	61.2	61.3
1985	61.3	61.4	61.6	61.5	61.4	61.3	61.3	61.5	61.7	61.8	61.8	61.8
1986	62.1	61.8	61.8	61.9	61.8	62.1	62.2	62.2	62.2	62.2	62.3	62.4
1987	62.5	62.6	62.6	62.7	62.9	62.9	63.0	63.0	63.0	63.2	63.3	63.3
Civilian employment-population ratio, men, 20 years and over												
1983	70.6	70.5	70.6	70.8	70.8	71.5	71.8	71.8	71.9	72.0	72.3	72.5
1984	72.6	72.8	72.8	72.9	73.1	73.5	73.3	73.3	73.4	73.4	73.4	73.4
1985	73.2	73.2	73.3	73.2	73.3	73.1	73.1	73.3	73.4	73.4	73.4	73.3
1986	73.8	73.3	73.3	73.3	73.1	73.3	73.2	73.3	73.2	73.1	73.4	73.6
1987	73.6	73.6	73.6	73.7	73.8	73.7	73.8	73.8	73.9	74.0	74.1	74.0
Civilian employment-population ratio, women, 20 years and over												
1983	48.2	48.3	48.2	48.4	48.3	48.4	48.8	49.1	49.4	49.3	49.4	49.4
1984	49.3	49.7	49.8	49.9	50.5	50.3	50.3	50.1	50.1	50.2	50.3	50.6
1985	50.7	50.9	51.1	51.0	50.8	50.8	50.8	50.9	51.2	51.3	51.3	51.6
1986	51.6	51.4	51.5	51.6	51.8	52.1	52.3	52.3	52.3	52.4	52.4	52.4
1987	52.5	52.7	52.7	52.9	53.2	53.2	53.3	53.3	53.2	53.4	53.6	53.6
Civilian employment-population ratio, both sexes, 20 to 24 years												
1983	64.7	64.9	64.9	65.1	64.6	66.3	67.0	66.5	66.8	66.5	67.1	67.1
1984	67.4	68.0	68.2	68.1	69.0	69.8	69.2	67.9	68.7	69.0	69.5	69.3
1985	69.6	69.3	69.2	69.4	69.3	69.3	69.1	69.3	70.0	70.1	69.9	70.5
1986	70.2	70.7	70.7	70.1	69.7	70.6	70.5	70.5	70.4	70.4	71.1	70.9
1987	71.2	71.3	71.3	71.0	71.3	71.0	71.4	71.8	71.3	71.3	71.5	71.2
Civilian employment-population ratio, men, 20 to 24 years												
1983	69.7	69.6	69.6	69.8	69.4	72.6	72.5	72.2	72.1	71.9	73.0	72.9
1984	73.4	74.2	74.6	74.6	75.2	76.7	75.1	74.0	74.9	75.2	75.8	75.0
1985	75.3	74.8	74.6	75.2	75.1	75.1	74.5	75.2	76.0	75.6	76.0	76.4
1986	76.7	77.4	77.1	75.6	74.8	76.1	76.2	75.8	75.8	76.6	76.9	77.0
1987	76.8	77.1	77.0	76.8	76.7	76.2	76.8	77.3	77.2	76.7	76.8	76.1
Civilian employment-population ratio, women, 20 to 24 years												
1983	60.1	60.4	60.4	60.5	60.0	60.3	61.7	61.1	61.6	61.3	61.5	61.6
1984	61.6	62.0	62.0	61.9	63.0	63.3	63.5	62.0	62.8	63.2	63.6	63.8
1985	64.1	64.1	64.1	64.0	63.8	63.9	64.0	63.7	64.3	65.0	64.2	65.0
1986	64.1	64.5	64.7	64.8	64.8	65.3	65.1	65.2	65.4	64.6	65.6	65.2
1987	66.0	65.9	65.9	65.6	66.1	66.1	66.2	66.6	65.9	66.3	66.4	66.6
Civilian employment-population ratio, both sexes, 25 years and over												
1983	57.9	57.8	57.9	58.0	58.1	58.3	58.6	58.7	59.0	59.0	59.2	59.2
1984	59.2	59.5	59.6	59.7	60.0	60.0	60.0	60.0	60.0	59.9	60.0	60.1
1985	60.1	60.3	60.5	60.4	60.3	60.2	60.2	60.4	60.5	60.6	60.6	60.7
1986	61.0	60.6	60.7	60.7	60.8	61.0	61.1	61.2	61.1	61.1	61.2	61.3
1987	61.3	61.5	61.5	61.7	61.8	61.9	62.0	62.0	62.0	62.1	62.2	62.3
Civilian employment-population ratio, men, 25 years and over												
1983	70.7	70.6	70.8	70.9	71.1	71.4	71.7	71.7	71.8	72.0	72.3	72.4
1984	72.5	72.7	72.6	72.6	72.8	73.0	73.1	73.2	73.1	73.1	73.1	73.1
1985	72.8	73.0	73.1	72.9	73.0	72.8	72.9	73.0	73.1	73.1	73.1	72.9
1986	73.3	72.8	72.9	72.9	72.8	72.9	72.8	72.9	72.8	72.6	72.9	73.2
1987	73.1	73.2	73.2	73.3	73.4	73.4	73.5	73.4	73.5	73.6	73.7	73.7
Civilian employment-population ratio, women, 25 years and over												
1983	46.5	46.5	46.5	46.6	46.6	46.7	47.0	47.3	47.6	47.5	47.7	47.7
1984	47.5	47.9	48.0	48.2	48.7	48.5	48.5	48.4	48.3	48.4	48.5	48.7
1985	48.8	49.1	49.4	49.2	49.0	49.1	49.0	49.1	49.4	49.5	49.6	49.8
1986	50.0	49.7	49.8	49.9	50.1	50.4	50.7	50.7	50.7	50.8	50.7	50.7
1987	50.8	51.0	51.1	51.3	51.5	51.6	51.8	51.7	51.7	51.8	52.0	52.1

**6. Employment-population ratios by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 25 to 54 years												
1983	72.8	72.6	72.8	73.1	73.1	73.5	73.9	74.2	74.4	74.4	74.7	74.9
1984	74.9	75.2	75.4	75.5	76.0	76.1	76.0	76.2	76.0	76.1	76.1	76.3
1985	76.4	76.5	76.6	76.6	76.5	76.4	76.5	76.7	76.9	77.0	77.0	77.1
1986	77.3	76.8	77.0	77.0	77.0	77.2	77.4	77.5	77.6	77.6	77.5	77.8
1987	77.7	77.9	78.0	78.2	78.4	78.4	78.5	78.6	78.6	78.6	78.7	78.8
Civilian employment-population ratio, men, 25 to 54 years												
1983	85.1	84.9	85.2	85.5	85.6	86.0	86.4	86.5	86.6	86.8	87.1	87.5
1984	87.6	87.8	88.0	88.0	88.2	88.6	88.5	88.7	88.7	88.7	88.7	88.7
1985	88.6	88.6	88.7	88.6	88.8	88.4	88.7	88.7	88.8	88.9	88.8	88.7
1986	89.0	88.4	88.5	88.6	88.2	88.5	88.4	88.7	88.6	88.3	88.5	88.7
1987	88.7	88.7	88.8	88.9	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2
Civilian employment-population ratio, women, 25 to 54 years												
1983	61.2	61.0	61.1	61.5	61.3	61.7	62.0	62.5	62.8	62.7	63.0	62.9
1984	62.9	63.2	63.4	63.7	64.4	64.3	64.2	64.3	64.0	64.2	64.2	64.5
1985	64.8	64.9	65.2	65.2	64.8	65.1	65.0	65.3	65.7	65.7	65.9	66.1
1986	66.3	65.8	66.0	66.1	66.2	66.5	66.9	67.0	67.1	67.4	67.1	67.4
1987	67.2	67.5	67.7	68.0	68.4	68.3	68.5	68.6	68.5	68.5	68.7	68.7
Civilian employment-population ratio, both sexes, 25 to 34 years												
1983	72.4	72.3	72.2	72.9	73.2	73.3	73.7	73.8	74.1	74.1	74.6	74.7
1984	74.8	75.1	75.1	75.4	75.9	76.2	76.1	76.5	76.3	76.5	76.1	76.3
1985	76.5	76.6	76.7	76.6	76.4	76.5	76.6	76.5	77.2	76.9	76.9	77.3
1986	77.4	76.8	77.0	77.0	76.8	77.2	77.0	77.3	77.3	77.2	77.5	77.6
1987	77.3	77.8	77.8	78.2	78.2	78.3	78.6	78.6	78.5	78.6	78.7	78.7
Civilian employment-population ratio, men, 25 to 34 years												
1983	83.5	83.4	83.2	84.0	84.3	84.7	85.0	85.0	85.2	85.5	86.1	86.4
1984	86.4	86.6	86.9	87.1	87.3	87.8	87.9	88.5	88.4	88.4	87.9	87.9
1985	88.3	88.4	88.3	88.3	88.5	88.2	88.5	88.3	88.5	88.5	88.6	88.6
1986	89.2	88.5	88.5	88.2	87.7	88.2	87.8	88.4	88.2	87.6	88.4	88.6
1987	88.3	88.6	88.6	88.8	88.9	88.9	89.3	89.0	89.2	89.3	89.4	89.3
Civilian employment-population ratio, women, 25 to 34 years												
1983	61.7	61.7	61.6	62.4	62.6	62.5	62.8	63.1	63.4	63.1	63.7	63.6
1984	63.7	64.0	63.9	64.2	64.9	65.0	64.9	65.0	64.7	64.9	64.8	65.1
1985	65.2	65.3	65.6	65.4	64.9	65.3	65.4	65.3	66.5	65.8	65.8	66.4
1986	66.0	65.5	65.9	66.2	66.4	66.5	66.6	66.5	66.7	67.0	67.1	67.0
1987	66.7	67.3	67.5	67.9	67.8	68.0	68.2	68.6	68.1	68.3	68.5	68.4
Civilian employment-population ratio, both sexes, 35 to 44 years												
1983	75.1	75.0	75.4	75.4	75.1	75.5	75.9	76.3	76.4	76.6	76.8	77.2
1984	77.2	77.8	77.8	77.8	78.5	78.2	78.1	77.8	77.9	78.0	78.3	78.6
1985	78.4	78.3	78.6	78.6	78.7	78.6	78.7	78.9	78.8	79.3	79.3	79.2
1986	79.3	78.7	78.9	79.0	79.1	79.3	79.7	80.0	79.9	79.8	79.4	80.0
1987	80.2	80.3	80.2	80.5	80.7	80.5	80.5	80.7	80.6	80.6	80.7	80.6
Civilian employment-population ratio, men, 35 to 44 years												
1983	87.4	87.4	88.0	87.9	87.9	88.4	88.7	88.7	88.8	89.1	89.5	90.1
1984	90.2	90.6	90.6	90.2	90.6	90.5	90.3	89.8	90.2	90.3	90.6	91.0
1985	90.5	90.2	90.4	90.4	90.7	90.1	90.4	90.6	90.5	90.7	90.3	90.0
1986	90.1	89.3	89.8	90.1	89.9	90.0	90.2	90.0	90.1	90.0	89.8	90.1
1987	90.5	90.4	90.2	90.4	90.2	90.4	90.3	90.6	90.6	90.4	90.5	90.5
Civilian employment-population ratio, women, 35 to 44 years												
1983	63.5	63.4	63.4	63.6	62.9	63.4	63.8	64.4	64.6	64.7	64.8	65.0
1984	64.8	65.6	65.8	66.0	67.0	66.5	66.5	66.4	66.3	66.4	66.5	66.8
1985	67.0	67.1	67.5	67.5	67.2	67.8	67.7	67.9	67.8	68.5	68.9	69.0
1986	69.1	68.7	68.7	68.5	68.9	69.2	69.8	70.4	70.2	70.2	69.5	70.3
1987	70.4	70.6	70.7	71.0	71.6	71.1	71.2	71.3	71.1	71.3	71.3	71.2

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**6. Employment-population ratios by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian employment-population ratio, both sexes, 45 to 54 years</b>												
1983	70.6	70.2	70.6	70.6	70.5	71.2	71.7	72.3	72.3	72.2	72.0	72.0
1984	72.0	71.9	72.5	72.8	72.7	73.2	73.0	73.4	72.8	72.9	73.1	73.1
1985	73.3	73.6	73.7	73.7	73.7	73.3	73.2	73.9	73.7	73.6	74.0	74.0
1986	74.5	74.3	74.2	74.2	74.1	74.3	74.7	74.6	74.8	75.1	74.9	75.1
1987	74.8	74.6	75.0	75.1	75.6	75.5	75.5	75.6	75.8	75.7	75.8	76.2
<b>Civilian employment-population ratio, men, 45 to 54 years</b>												
1983	85.0	84.4	84.9	84.9	84.8	85.4	86.0	86.1	86.3	86.1	85.7	85.9
1984	86.2	86.4	86.5	86.7	86.4	87.6	87.3	87.9	87.0	87.1	87.4	87.0
1985	86.5	86.9	86.9	86.5	86.9	86.6	86.6	86.8	87.0	86.8	87.0	87.0
1986	86.9	87.1	86.8	86.9	86.9	86.9	87.0	87.2	87.2	87.1	86.8	86.9
1987	86.8	86.5	87.0	86.9	87.1	86.8	86.8	87.0	87.0	87.0	87.1	87.3
<b>Civilian employment-population ratio, women, 45 to 54 years</b>												
1983	57.2	57.1	57.3	57.2	57.2	58.1	58.4	59.1	59.3	59.2	59.2	59.0
1984	58.7	58.4	59.5	59.8	60.0	59.9	59.7	59.9	59.5	59.7	59.8	60.0
1985	60.9	61.2	61.3	61.6	61.3	60.9	60.7	61.8	61.3	61.3	61.8	61.8
1986	62.9	62.3	62.3	62.4	62.1	62.6	63.2	62.9	63.2	64.0	63.7	63.9
1987	63.6	63.6	63.8	64.0	64.8	64.9	65.0	64.9	65.3	65.0	65.2	65.8
<b>Civilian employment-population ratio, both sexes, 55 years and over</b>												
1983	29.9	29.8	29.7	29.5	29.5	29.6	29.7	29.7	29.9	29.8	29.8	29.8
1984	29.5	29.7	29.4	29.5	29.4	29.2	29.3	29.2	29.4	29.0	29.1	29.3
1985	29.1	29.2	29.5	29.3	29.1	29.0	28.8	29.0	29.0	29.1	29.0	28.9
1986	29.1	28.6	28.7	28.9	29.0	29.3	29.2	29.1	28.9	28.7	28.9	28.8
1987	29.0	28.9	28.9	28.8	29.0	29.1	29.0	29.0	29.0	29.3	29.3	29.4
<b>Civilian employment-population ratio, men, 55 years and over</b>												
1983	40.7	40.5	40.5	40.4	40.3	40.6	40.7	40.6	40.7	40.7	40.9	40.5
1984	40.4	40.3	39.8	39.9	39.8	39.7	39.8	39.8	40.0	39.6	39.4	39.6
1985	39.3	39.4	39.9	39.5	39.1	39.4	39.0	39.5	39.4	39.4	39.2	39.1
1986	39.3	38.5	38.7	38.9	39.0	39.0	38.8	38.5	38.4	38.3	38.7	39.1
1987	38.8	38.8	38.9	38.8	39.1	39.1	38.9	38.8	38.8	39.1	39.2	39.3
<b>Civilian employment-population ratio, women, 55 years and over</b>												
1983	21.6	21.5	21.3	21.2	21.3	21.2	21.2	21.3	21.6	21.5	21.4	21.5
1984	21.2	21.5	21.4	21.6	21.5	21.1	21.2	21.1	21.3	20.9	21.2	21.3
1985	21.2	21.3	21.5	21.3	21.3	21.0	20.9	20.9	20.9	21.1	21.0	21.0
1986	21.1	20.9	21.0	21.1	21.2	21.7	21.7	21.8	21.4	21.1	21.2	20.9
1987	21.3	21.1	21.0	21.0	21.1	21.3	21.3	21.4	21.3	21.6	21.5	21.6
<b>Civilian employment-population ratio, both sexes, 55 to 64 years</b>												
1983	51.6	51.4	51.0	50.9	51.1	51.3	51.4	51.3	51.6	51.7	51.8	51.9
1984	51.4	51.8	51.6	52.0	51.8	51.7	51.7	51.6	51.8	51.0	51.5	52.0
1985	51.6	51.8	52.4	52.0	51.7	51.7	51.6	51.9	51.7	52.0	51.8	51.6
1986	51.5	50.9	51.2	51.5	51.8	52.4	52.3	52.4	51.9	51.8	52.1	52.0
1987	52.4	52.2	52.1	52.3	52.4	52.5	52.4	52.2	52.5	53.0	53.0	53.1
<b>Civilian employment-population ratio, men, 55 to 64 years</b>												
1983	65.2	65.1	64.6	64.6	64.8	65.3	65.2	65.1	65.3	65.4	65.7	65.6
1984	65.2	65.2	64.8	65.2	65.0	65.0	65.0	65.3	65.3	64.8	64.9	65.5
1985	64.9	64.9	65.5	65.2	64.6	65.2	65.0	65.3	65.0	65.1	64.9	64.3
1986	64.2	63.2	63.8	64.3	64.8	64.6	64.5	64.3	64.4	64.5	64.8	65.0
1987	65.1	65.1	65.2	65.1	65.2	65.0	65.1	64.4	65.1	65.3	65.2	65.3
<b>Civilian employment-population ratio, women, 55 to 64 years</b>												
1983	39.7	39.4	39.2	39.0	39.0	39.2	39.4	39.3	39.6	39.6	39.6	40.0
1984	39.4	40.1	40.1	40.4	40.4	40.0	40.1	39.6	40.0	39.1	39.8	40.2
1985	39.9	40.2	40.7	40.3	40.4	39.8	39.8	40.1	40.0	40.3	40.2	40.3
1986	40.1	40.0	40.1	40.1	40.4	41.5	41.6	41.8	40.8	40.6	40.8	40.5
1987	41.1	40.7	40.4	40.9	41.0	41.4	41.2	41.4	41.4	42.2	42.1	42.3

6. Employment-population ratios by sex, age, race, and Hispanic origin—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 65 years and over												
1983	11.3	11.3	11.4	11.3	11.2	11.1	11.2	11.3	11.6	11.4	11.4	11.1
1984	11.1	11.0	10.8	10.7	10.7	10.5	10.6	10.6	10.8	10.8	10.6	10.5
1985	10.4	10.6	10.7	10.6	10.4	10.3	10.1	10.2	10.4	10.5	10.4	10.5
1986	10.9	10.6	10.6	10.7	10.7	10.8	10.7	10.6	10.5	10.2	10.5	10.6
1987	10.6	10.5	10.7	10.5	10.7	11.0	10.9	11.0	10.8	10.9	11.0	11.1
Civilian employment-population ratio, men, 65 years and over												
1983	16.7	16.6	17.0	16.8	16.3	16.6	17.0	16.8	16.9	16.8	16.9	16.3
1984	16.5	16.4	15.9	15.7	15.7	15.6	15.7	15.6	16.1	15.8	15.4	15.2
1985	15.1	15.3	15.7	15.4	15.2	15.0	14.6	15.3	15.6	15.5	15.3	15.6
1986	16.3	15.8	15.7	15.7	15.5	15.6	15.4	15.0	14.9	14.6	15.3	15.7
1987	15.3	15.2	15.5	15.5	15.9	16.3	15.9	16.3	15.8	16.2	16.3	16.5
Civilian employment-population ratio, women, 65 years and over												
1983	7.5	7.6	7.6	7.5	7.6	7.3	7.2	7.5	7.9	7.7	7.5	7.5
1984	7.4	7.3	7.3	7.3	7.2	6.9	7.0	7.1	7.2	7.4	7.3	7.3
1985	7.2	7.3	7.2	7.2	7.1	7.0	7.0	6.7	6.8	6.9	6.9	7.0
1986	7.1	7.0	7.0	7.2	7.3	7.4	7.4	7.4	7.4	7.1	7.2	6.9
1987	7.3	7.2	7.3	7.0	7.0	7.2	7.4	7.3	7.2	7.2	7.2	7.3
Civilian employment-population ratio, white workers												
1983	58.2	58.1	58.1	58.3	58.3	58.9	59.1	59.3	59.5	59.5	59.8	60.0
1984	59.9	60.1	60.2	60.3	60.7	60.9	60.8	60.4	60.5	60.6	60.7	60.8
1985	60.7	61.0	61.1	61.0	60.9	60.7	60.8	60.8	61.2	61.2	61.3	61.3
1986	61.5	61.2	61.3	61.3	61.3	61.6	61.6	61.8	61.7	61.7	61.8	61.8
1987	61.9	62.0	62.0	62.1	62.4	62.3	62.3	62.5	62.4	62.5	62.6	62.7
Civilian employment-population ratio, white men												
1983	69.5	69.3	69.3	69.5	69.7	70.6	70.8	70.8	70.9	71.0	71.4	71.6
1984	71.5	71.7	71.8	71.9	72.1	72.7	72.4	72.1	72.4	72.3	72.3	72.4
1985	72.2	72.2	72.4	72.4	72.4	72.1	72.1	72.2	72.4	72.5	72.5	72.3
1986	72.6	72.3	72.2	72.2	72.0	72.3	72.2	72.4	72.3	72.2	72.4	72.5
1987	72.5	72.6	72.4	72.5	72.7	72.6	72.6	72.8	72.7	72.8	72.9	73.0
Civilian employment-population ratio, white women												
1983	48.0	47.8	47.9	48.0	47.9	48.2	48.5	48.9	49.1	49.1	49.3	49.4
1984	49.2	49.5	49.5	49.7	50.2	50.0	50.1	49.6	49.7	49.8	50.0	50.2
1985	50.3	50.7	50.8	50.5	50.4	50.2	50.4	50.5	50.9	51.0	51.1	51.2
1986	51.2	51.0	51.3	51.3	51.4	51.8	52.0	52.1	51.9	52.1	52.0	52.0
1987	52.1	52.3	52.4	52.6	52.9	52.8	52.9	53.0	52.8	53.0	53.1	53.2
Civilian employment-population ratio, white workers, 16 to 19 years												
1983	45.4	45.0	44.5	44.5	44.6	46.6	46.1	46.8	46.9	46.4	47.1	47.8
1984	47.6	47.7	47.6	48.0	48.2	49.4	48.9	46.7	48.0	48.1	48.2	48.5
1985	48.8	49.4	49.4	49.0	48.7	47.3	48.4	47.4	48.6	48.0	48.8	48.0
1986	47.9	48.7	49.2	48.7	48.7	48.8	48.5	48.9	48.9	49.5	48.9	48.4
1987	49.1	49.4	48.7	48.9	49.7	48.8	49.3	50.3	49.0	49.5	49.6	50.6
Civilian employment-population ratio, white men, 16 to 19 years												
1983	46.2	46.1	45.2	45.6	46.3	48.9	47.8	48.0	48.6	47.8	49.0	49.2
1984	47.6	48.8	49.1	48.7	49.3	51.1	48.9	47.8	49.0	49.3	49.6	50.0
1985	50.4	49.7	50.8	51.3	50.8	50.0	50.0	48.8	49.4	48.8	49.5	48.8
1986	48.9	49.3	49.3	49.6	49.6	49.6	49.8	49.9	50.3	50.4	50.2	48.6
1987	49.7	50.7	49.1	48.9	49.2	49.1	49.4	50.8	49.8	50.3	50.0	51.1
Civilian employment-population ratio, white women, 16 to 19 years												
1983	44.5	43.9	43.8	43.4	42.8	44.2	44.5	45.6	45.2	45.0	45.3	46.3
1984	47.5	46.6	46.2	47.2	47.1	47.6	49.0	45.6	47.0	46.9	46.8	46.9
1985	47.2	49.0	48.0	46.6	46.5	44.5	46.8	46.1	47.8	47.3	48.1	47.2
1986	46.9	48.1	49.1	47.8	47.9	48.1	47.2	47.9	47.4	48.5	47.6	48.2
1987	48.4	48.0	48.3	49.0	50.1	48.6	49.3	49.8	48.2	48.7	49.2	50.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**6. Employment-population ratios by sex, age, race, and Hispanic origin—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, white workers, 20 years and over												
1983	59.4	59.3	59.4	59.6	59.6	60.0	60.3	60.5	60.6	60.7	61.0	61.1
1984	61.0	61.2	61.3	61.4	61.7	61.9	61.8	61.5	61.6	61.6	61.7	61.8
1985	61.8	61.9	62.1	62.0	62.0	61.8	61.8	61.9	62.2	62.3	62.4	62.4
1986	62.6	62.2	62.3	62.4	62.3	62.7	62.7	62.8	62.7	62.7	62.8	63.0
1987	63.0	63.1	63.1	63.2	63.4	63.4	63.4	63.5	63.5	63.6	63.6	63.7
Civilian employment-population ratio, white men, 20 years and over												
1983	71.8	71.6	71.7	71.9	72.0	72.7	73.0	73.0	73.0	73.2	73.5	73.7
1984	73.8	73.9	74.0	74.1	74.1	74.7	74.5	74.3	74.5	74.4	74.4	74.4
1985	74.1	74.2	74.3	74.3	74.4	74.0	74.1	74.2	74.5	74.6	74.5	74.4
1986	74.7	74.3	74.2	74.2	73.9	74.3	74.2	74.3	74.2	74.1	74.4	74.6
1987	74.5	74.5	74.5	74.5	74.7	74.6	74.7	74.7	74.7	74.8	74.9	74.9
Civilian employment-population ratio, white women, 20 years and over												
1983	48.3	48.2	48.2	48.4	48.4	48.6	48.9	49.2	49.4	49.4	49.6	49.7
1984	49.4	49.7	49.8	49.9	50.5	50.2	50.2	49.9	49.9	50.1	50.2	50.4
1985	50.5	50.8	51.0	50.9	50.7	50.7	50.7	50.8	51.1	51.3	51.4	51.5
1986	51.6	51.3	51.5	51.5	51.7	52.1	52.3	52.4	52.3	52.3	52.3	52.4
1987	52.4	52.6	52.7	52.9	53.1	53.1	53.2	53.3	53.2	53.3	53.4	53.5
Civilian employment-population ratio, black workers												
1983	48.8	49.3	49.1	48.9	49.0	49.2	49.9	49.6	50.1	49.8	50.3	50.3
1984	50.5	51.8	51.3	51.3	52.2	52.4	52.0	52.8	53.0	53.1	53.6	53.5
1985	53.5	52.9	53.2	53.4	53.3	53.6	53.3	53.7	53.4	53.4	53.2	53.9
1986	54.0	53.8	54.2	54.4	54.6	54.2	54.0	53.3	53.8	54.2	54.2	54.4
1987	54.5	54.8	54.7	54.8	54.8	55.2	55.9	56.4	55.9	56.5	56.6	56.6
Civilian employment-population ratio, black men												
1983	55.0	55.3	55.4	55.2	55.0	56.1	56.7	56.2	56.8	57.1	58.0	58.0
1984	58.1	59.4	58.5	57.7	59.3	58.8	58.4	59.5	59.9	60.2	60.6	60.0
1985	59.9	59.6	59.5	59.7	59.9	60.0	59.9	61.0	60.4	60.0	59.5	60.2
1986	60.8	60.4	60.9	60.9	61.4	60.8	60.6	59.5	60.0	60.3	60.4	61.2
1987	61.4	61.4	61.4	61.6	61.1	61.5	62.2	62.9	62.6	62.7	62.7	62.5
Civilian employment-population ratio, black women												
1983	43.8	44.5	44.0	43.8	44.1	43.7	44.4	44.3	44.8	43.9	44.1	44.1
1984	44.4	45.7	45.6	46.1	46.4	47.2	46.8	47.4	47.5	47.4	47.9	48.1
1985	48.4	47.5	48.2	48.4	47.9	48.5	47.9	47.8	47.7	48.1	48.1	48.8
1986	48.5	48.5	48.9	49.1	49.0	48.8	48.7	48.2	48.9	49.2	49.1	48.9
1987	48.9	49.5	49.2	49.3	49.6	50.1	50.7	51.2	50.5	51.5	51.6	51.7
Civilian employment-population ratio, black workers, 16 to 19 years												
1983	19.4	18.7	19.3	18.5	18.5	19.0	19.1	18.3	17.7	17.9	19.2	19.1
1984	18.6	20.9	19.3	21.1	20.2	24.1	23.1	22.7	23.1	23.7	23.2	23.4
1985	24.1	23.6	24.6	25.5	25.5	23.6	25.5	25.2	24.4	24.9	23.9	24.5
1986	24.4	25.5	25.4	25.8	26.3	26.2	24.3	22.1	24.8	26.2	25.0	25.1
1987	24.1	25.8	25.2	24.9	25.0	26.3	26.8	31.2	29.6	29.0	28.6	29.1
Civilian employment-population ratio, black men, 16 to 19 years												
1983	21.1	20.3	21.0	19.5	18.6	20.4	21.8	18.9	18.2	21.4	22.3	21.3
1984	20.7	21.3	22.8	23.6	24.2	25.3	24.5	24.1	25.7	24.3	25.2	24.7
1985	25.0	25.2	26.3	27.5	27.0	24.5	27.0	28.5	26.7	27.3	23.3	27.0
1986	25.6	27.7	26.4	27.4	29.6	26.8	25.6	24.0	26.0	26.1	25.7	26.6
1987	27.7	26.7	26.5	26.2	25.8	27.7	28.6	32.1	29.6	30.1	31.1	30.4
Civilian employment-population ratio, black women, 16 to 19 years												
1983	17.7	17.1	17.6	17.5	18.4	17.6	16.5	17.7	17.2	14.5	16.3	17.0
1984	16.7	20.5	16.0	18.8	16.3	22.9	21.8	21.4	20.6	23.1	21.3	22.2
1985	23.3	22.1	23.0	23.6	24.0	22.8	24.1	22.1	22.3	22.6	24.4	22.0
1986	23.2	23.5	24.5	24.3	23.2	25.6	23.0	20.3	23.7	26.2	24.2	23.7
1987	20.6	24.9	24.0	23.7	24.3	25.0	25.0	30.2	29.6	27.9	26.2	27.9

6. Employment-population ratios by sex, age, race, and Hispanic origin—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, black workers, 20 years and over												
1983 .....	52.8	53.5	53.1	53.0	53.1	53.3	54.0	53.8	54.4	54.0	54.4	54.4
1984 .....	54.7	55.8	55.4	55.1	56.2	56.0	55.6	56.6	56.7	56.8	57.3	57.1
1985 .....	57.2	56.6	56.8	56.9	56.7	57.4	56.7	57.2	56.9	56.9	56.7	57.5
1986 .....	57.6	57.3	57.7	57.8	57.9	57.6	57.6	57.0	57.3	57.5	57.7	57.9
1987 .....	58.1	58.3	58.2	58.4	58.3	58.7	59.3	59.5	59.0	59.8	59.9	59.8
Civilian employment-population ratio, black men, 20 years and over												
1983 .....	60.1	60.6	60.6	60.6	60.4	61.4	61.9	61.7	62.4	62.3	63.2	63.3
1984 .....	63.5	64.8	63.5	62.5	64.2	63.4	63.1	64.4	64.5	65.1	65.4	64.8
1985 .....	64.8	64.4	64.1	64.1	64.4	64.9	64.4	65.4	65.0	64.4	64.4	64.6
1986 .....	65.5	64.8	65.5	65.3	65.6	65.4	65.2	64.2	64.5	64.9	65.1	65.8
1987 .....	65.8	66.0	66.1	66.3	65.8	66.0	66.7	66.9	67.0	67.0	66.9	66.8
Civilian employment-population ratio, black women, 20 years and over												
1983 .....	47.1	47.9	47.3	47.1	47.3	46.8	47.8	47.5	48.1	47.4	47.5	47.3
1984 .....	47.7	48.6	49.0	49.3	49.8	50.0	49.7	50.4	50.5	50.1	50.9	51.1
1985 .....	51.2	50.4	51.0	51.2	50.6	51.4	50.6	50.7	50.6	51.0	50.7	51.8
1986 .....	51.4	51.2	51.5	51.8	51.8	51.4	51.5	51.3	51.6	51.7	51.8	51.6
1987 .....	51.9	52.2	51.9	52.1	52.4	52.9	53.5	53.5	52.7	54.0	54.3	54.3
Civilian employment-population ratio, Hispanic-origin workers												
1983 .....	53.7	53.6	53.2	54.3	54.5	55.0	55.6	55.9	55.8	55.8	56.1	56.6
1984 .....	57.2	57.1	57.3	56.8	57.8	58.4	58.3	58.1	58.4	58.1	58.5	59.1
1985 .....	57.2	58.1	57.9	57.5	57.3	57.5	57.6	58.5	58.8	58.1	57.6	57.6
1986 .....	57.5	57.2	58.0	58.1	57.8	58.6	59.0	58.4	58.8	59.0	59.6	59.5
1987 .....	59.5	60.0	59.9	60.2	60.9	60.2	60.2	60.8	60.8	61.0	61.2	61.6

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed, all civilian workers</b>												
1983 .....	11,534	11,545	11,408	11,268	11,154	11,246	10,548	10,623	10,282	9,887	9,499	9,331
1984 .....	9,016	8,803	8,738	8,764	8,461	8,221	8,518	8,525	8,358	8,381	8,200	8,358
1985 .....	8,464	8,330	8,321	8,396	8,304	8,414	8,480	8,186	8,246	8,299	8,155	8,156
1986 .....	7,847	8,427	8,330	8,373	8,444	8,441	8,278	8,115	8,298	8,230	8,214	7,919
1987 .....	7,964	7,886	7,791	7,557	7,573	7,308	7,251	7,256	7,091	7,177	7,090	6,978
<b>Unemployed men</b>												
1983 .....	6,679	6,782	6,709	6,680	6,611	6,420	6,193	6,234	6,006	5,753	5,481	5,286
1984 .....	5,131	4,950	4,899	4,897	4,675	4,545	4,711	4,633	4,650	4,547	4,519	4,634
1985 .....	4,606	4,552	4,499	4,580	4,429	4,601	4,626	4,450	4,453	4,576	4,455	4,415
1986 .....	4,244	4,554	4,548	4,541	4,657	4,610	4,602	4,454	4,632	4,570	4,570	4,449
1987 .....	4,449	4,374	4,327	4,214	4,259	4,080	3,960	4,021	3,827	3,899	3,845	3,785
<b>Unemployed women</b>												
1983 .....	4,855	4,763	4,699	4,588	4,543	4,826	4,355	4,389	4,276	4,134	4,018	4,045
1984 .....	3,885	3,853	3,839	3,867	3,786	3,676	3,807	3,892	3,708	3,834	3,681	3,724
1985 .....	3,858	3,778	3,822	3,816	3,875	3,813	3,854	3,736	3,793	3,723	3,700	3,741
1986 .....	3,603	3,873	3,782	3,832	3,787	3,831	3,676	3,661	3,666	3,660	3,644	3,470
1987 .....	3,515	3,512	3,464	3,343	3,314	3,228	3,291	3,235	3,264	3,278	3,245	3,193
<b>Unemployed both sexes, 16 to 19 years</b>												
1983 .....	1,929	1,859	1,902	1,890	1,824	2,025	1,875	1,922	1,764	1,714	1,633	1,607
1984 .....	1,551	1,544	1,569	1,540	1,484	1,476	1,496	1,471	1,524	1,461	1,391	1,496
1985 .....	1,511	1,468	1,464	1,401	1,475	1,409	1,591	1,389	1,409	1,575	1,437	1,498
1986 .....	1,406	1,481	1,443	1,547	1,492	1,517	1,433	1,449	1,476	1,406	1,436	1,365
1987 .....	1,396	1,422	1,406	1,370	1,417	1,252	1,248	1,337	1,302	1,388	1,335	1,304
<b>Unemployed, men, 16 to 19 years</b>												
1983 .....	1,061	1,044	1,079	1,037	1,002	1,073	1,023	1,072	970	936	876	864
1984 .....	852	824	849	820	791	790	845	759	809	805	786	819
1985 .....	814	809	776	764	790	771	885	799	777	899	798	799
1986 .....	723	788	770	817	821	819	782	793	801	753	763	721
1987 .....	758	768	774	760	803	658	637	763	709	725	710	722
<b>Unemployed, women, 16 to 19 years</b>												
1983 .....	868	815	823	853	822	952	852	850	794	778	757	743
1984 .....	699	720	720	720	693	686	651	712	715	656	605	677
1985 .....	697	659	688	637	685	638	706	590	632	676	639	699
1986 .....	683	693	673	730	671	698	651	656	675	653	673	644
1987 .....	638	654	632	610	614	594	611	574	593	663	625	582
<b>Unemployed both sexes, 20 years and over</b>												
1983 .....	9,605	9,686	9,506	9,378	9,330	9,221	8,673	8,701	8,518	8,173	7,866	7,724
1984 .....	7,465	7,259	7,169	7,224	6,977	6,745	7,022	7,054	6,834	6,920	6,809	6,862
1985 .....	6,953	6,862	6,857	6,995	6,829	7,005	6,889	6,797	6,837	6,724	6,718	6,658
1986 .....	6,441	6,946	6,887	6,826	6,952	6,924	6,845	6,666	6,822	6,824	6,778	6,554
1987 .....	6,568	6,464	6,385	6,187	6,156	6,056	6,003	5,919	5,789	5,789	5,755	5,674
<b>Unemployed men, 20 years and over</b>												
1983 .....	5,618	5,738	5,630	5,643	5,609	5,347	5,170	5,162	5,036	4,817	4,605	4,422
1984 .....	4,279	4,126	4,050	4,077	3,884	3,755	3,866	3,874	3,841	3,742	3,733	3,815
1985 .....	3,792	3,743	3,723	3,816	3,639	3,830	3,741	3,651	3,676	3,677	3,657	3,616
1986 .....	3,521	3,766	3,778	3,724	3,836	3,791	3,820	3,661	3,831	3,817	3,807	3,728
1987 .....	3,691	3,606	3,553	3,454	3,456	3,422	3,323	3,258	3,118	3,174	3,135	3,063
<b>Unemployed women, 20 years and over</b>												
1983 .....	3,987	3,948	3,876	3,735	3,721	3,874	3,503	3,539	3,482	3,356	3,261	3,302
1984 .....	3,186	3,133	3,119	3,147	3,093	2,990	3,156	3,180	2,993	3,178	3,076	3,047
1985 .....	3,161	3,119	3,134	3,179	3,190	3,175	3,148	3,146	3,161	3,047	3,061	3,042
1986 .....	2,920	3,180	3,109	3,102	3,116	3,133	3,025	3,005	2,991	3,007	2,971	2,826
1987 .....	2,877	2,858	2,832	2,733	2,700	2,634	2,680	2,661	2,671	2,615	2,620	2,611



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed both sexes, 20 to 24 years</b>												
1983	2,577	2,610	2,497	2,459	2,400	2,351	2,224	2,319	2,223	2,181	2,074	1,972
1984	2,003	1,868	1,886	1,947	1,804	1,734	1,796	1,888	1,820	1,774	1,754	1,781
1985	1,755	1,784	1,769	1,744	1,766	1,738	1,728	1,720	1,713	1,734	1,733	1,670
1986	1,636	1,700	1,666	1,677	1,732	1,630	1,646	1,603	1,722	1,629	1,548	1,636
1987	1,633	1,593	1,545	1,532	1,478	1,504	1,453	1,399	1,390	1,301	1,306	1,243
<b>Unemployed men, 20 to 24 years</b>												
1983	1,517	1,523	1,432	1,456	1,432	1,385	1,355	1,370	1,287	1,274	1,184	1,131
1984	1,136	1,042	1,044	1,096	950	985	984	1,062	1,063	951	953	993
1985	963	983	978	941	977	963	943	923	912	937	924	874
1986	872	882	922	939	938	871	895	857	985	869	866	902
1987	865	876	812	816	783	816	778	755	726	707	704	656
<b>Unemployed women, 20 to 24 years</b>												
1983	1,060	1,087	1,065	1,003	968	966	869	949	936	907	890	841
1984	867	826	842	851	854	749	812	826	757	823	801	788
1985	792	801	791	803	789	775	785	797	801	797	809	796
1986	764	818	744	738	794	759	751	746	737	760	682	734
1987	768	717	733	716	695	688	675	644	664	594	602	587
<b>Unemployed both sexes, 25 years and over</b>												
1983	6,993	7,080	7,013	6,940	6,912	6,886	6,424	6,370	6,332	5,981	5,788	5,790
1984	5,448	5,394	5,278	5,302	5,147	5,003	5,204	5,167	5,054	5,134	5,051	5,102
1985	5,196	5,085	5,082	5,271	5,029	5,244	5,140	5,092	5,175	4,980	4,979	4,993
1986	4,808	5,253	5,213	5,170	5,190	5,260	5,183	5,089	5,157	5,186	5,224	4,913
1987	4,942	4,879	4,838	4,667	4,657	4,502	4,538	4,544	4,445	4,482	4,442	4,412
<b>Unemployed men, 25 years and over</b>												
1983	4,062	4,222	4,194	4,209	4,153	3,965	3,797	3,812	3,778	3,533	3,410	3,307
1984	3,122	3,093	3,000	3,007	2,906	2,763	2,869	2,832	2,808	2,783	2,772	2,822
1985	2,821	2,776	2,740	2,896	2,621	2,855	2,784	2,753	2,801	2,733	2,722	2,731
1986	2,645	2,900	2,850	2,806	2,863	2,907	2,914	2,831	2,889	2,941	2,929	2,810
1987	2,824	2,747	2,735	2,651	2,648	2,585	2,535	2,528	2,427	2,462	2,419	2,390
<b>Unemployed women, 25 years and over</b>												
1983	2,931	2,858	2,819	2,731	2,759	2,921	2,627	2,558	2,554	2,448	2,378	2,483
1984	2,326	2,301	2,278	2,295	2,241	2,240	2,335	2,335	2,246	2,351	2,279	2,280
1985	2,375	2,309	2,342	2,375	2,408	2,389	2,356	2,339	2,374	2,247	2,257	2,262
1986	2,163	2,353	2,363	2,364	2,327	2,353	2,269	2,258	2,268	2,245	2,295	2,103
1987	2,118	2,132	2,103	2,016	2,009	1,917	2,003	2,016	2,018	2,020	2,023	2,022
<b>Unemployed both sexes, 25 to 54 years</b>												
1983	6,204	6,226	6,213	6,072	6,131	6,041	5,675	5,642	5,569	5,265	5,037	4,987
1984	4,770	4,726	4,635	4,637	4,502	4,316	4,576	4,510	4,396	4,447	4,373	4,433
1985	4,587	4,491	4,499	4,648	4,411	4,608	4,503	4,474	4,569	4,397	4,385	4,389
1986	4,245	4,614	4,601	4,581	4,665	4,714	4,611	4,512	4,559	4,581	4,635	4,393
1987	4,478	4,421	4,339	4,143	4,134	4,042	4,078	4,050	3,931	3,993	3,909	3,939
<b>Unemployed men, 25 to 54 years</b>												
1983	3,562	3,672	3,674	3,627	3,631	3,474	3,330	3,330	3,285	3,077	2,941	2,811
1984	2,710	2,675	2,578	2,591	2,511	2,380	2,483	2,413	2,378	2,380	2,369	2,416
1985	2,465	2,416	2,395	2,526	2,276	2,466	2,398	2,405	2,439	2,371	2,369	2,382
1986	2,322	2,527	2,479	2,443	2,547	2,539	2,571	2,457	2,511	2,553	2,580	2,462
1987	2,529	2,456	2,413	2,304	2,310	2,271	2,238	2,215	2,139	2,182	2,109	2,112
<b>Unemployed women, 25 to 54 years</b>												
1983	2,642	2,554	2,539	2,445	2,500	2,567	2,345	2,312	2,284	2,188	2,096	2,176
1984	2,060	2,051	2,057	2,046	1,991	1,936	2,093	2,097	2,018	2,067	2,004	2,017
1985	2,122	2,075	2,104	2,122	2,135	2,142	2,105	2,069	2,130	2,026	2,016	2,007
1986	1,923	2,087	2,122	2,138	2,118	2,175	2,040	2,055	2,048	2,028	2,055	1,931
1987	1,949	1,965	1,926	1,839	1,824	1,771	1,840	1,835	1,792	1,811	1,800	1,827

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed both sexes, 25 to 34 years												
1983	3,324	3,319	3,383	3,209	3,214	3,208	2,979	2,998	2,972	2,810	2,743	2,668
1984	2,575	2,551	2,522	2,457	2,399	2,261	2,395	2,294	2,184	2,262	2,268	2,285
1985	2,359	2,323	2,277	2,413	2,327	2,370	2,324	2,339	2,429	2,347	2,332	2,277
1986	2,164	2,398	2,405	2,403	2,441	2,443	2,458	2,371	2,435	2,439	2,450	2,338
1987	2,385	2,259	2,227	2,153	2,171	2,109	2,072	2,072	1,993	1,965	1,994	2,067
Unemployed men, 25 to 34 years												
1983	1,924	1,983	2,050	1,951	1,934	1,871	1,772	1,787	1,758	1,634	1,589	1,495
1984	1,489	1,455	1,389	1,367	1,300	1,247	1,328	1,228	1,173	1,226	1,261	1,302
1985	1,265	1,247	1,220	1,306	1,210	1,248	1,223	1,248	1,300	1,237	1,220	1,208
1986	1,148	1,264	1,272	1,283	1,337	1,306	1,377	1,254	1,328	1,356	1,338	1,288
1987	1,337	1,237	1,225	1,175	1,190	1,183	1,114	1,140	1,068	1,096	1,080	1,104
Unemployed women, 25 to 34 years												
1983	1,400	1,336	1,333	1,258	1,280	1,337	1,207	1,211	1,214	1,176	1,154	1,173
1984	1,086	1,096	1,133	1,090	1,039	1,014	1,067	1,066	1,011	1,036	1,007	983
1985	1,094	1,076	1,057	1,107	1,117	1,122	1,101	1,091	1,129	1,110	1,112	1,069
1986	1,016	1,134	1,133	1,120	1,104	1,137	1,081	1,117	1,107	1,083	1,112	1,050
1987	1,048	1,022	1,002	978	981	926	958	932	925	869	914	963
Unemployed both sexes, 35 to 44 years												
1983	1,797	1,800	1,745	1,725	1,785	1,749	1,688	1,594	1,613	1,500	1,407	1,384
1984	1,333	1,338	1,306	1,372	1,324	1,303	1,339	1,411	1,378	1,362	1,266	1,292
1985	1,376	1,329	1,356	1,342	1,338	1,437	1,358	1,342	1,320	1,261	1,305	1,311
1986	1,265	1,436	1,396	1,393	1,412	1,407	1,354	1,357	1,340	1,386	1,422	1,318
1987	1,354	1,357	1,364	1,264	1,261	1,213	1,294	1,259	1,267	1,291	1,194	1,217
Unemployed men, 35 to 44 years												
1983	1,014	1,011	982	1,004	1,035	986	965	930	948	881	814	769
1984	742	746	723	773	748	740	740	775	757	717	652	629
1985	712	704	713	725	679	768	709	679	683	657	705	735
1986	726	831	761	714	754	771	743	777	757	784	798	747
1987	762	738	736	683	701	648	704	666	658	678	631	630
Unemployed women, 35 to 44 years												
1983	783	789	763	721	750	763	723	664	665	619	593	615
1984	591	592	583	599	576	563	599	636	621	645	614	663
1985	664	625	643	617	659	669	649	663	637	604	600	576
1986	539	605	635	679	658	636	611	580	583	602	624	571
1987	592	619	628	581	560	565	590	593	609	613	563	587
Unemployed both sexes, 45 to 54 years												
1983	1,083	1,107	1,085	1,138	1,132	1,084	1,008	1,050	984	955	887	935
1984	862	837	807	808	839	752	842	805	834	823	839	856
1985	852	839	866	893	746	801	821	793	820	789	748	801
1986	816	780	800	785	812	864	799	784	784	756	763	737
1987	739	805	748	726	702	720	712	719	671	737	721	655
Unemployed men, 45 to 54 years												
1983	624	678	642	672	662	617	593	613	579	562	538	547
1984	479	474	466	451	463	393	415	410	448	437	456	485
1985	488	465	462	495	387	450	466	478	456	477	444	439
1986	448	432	446	446	456	462	451	426	426	413	444	427
1987	430	481	452	446	419	440	420	409	413	408	398	378
Unemployed women, 45 to 54 years												
1983	459	429	443	466	470	467	415	437	405	393	349	388
1984	383	363	341	357	376	359	427	395	386	386	383	371
1985	364	374	404	398	359	351	355	315	364	312	304	362
1986	368	348	354	339	356	402	348	358	358	343	319	310
1987	309	324	296	280	283	280	292	310	258	329	323	277

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed both sexes, 55 years and over</b>												
1983 .....	822	837	815	861	812	830	787	753	752	721	724	735
1984 .....	709	664	646	653	671	689	653	671	641	684	649	619
1985 .....	643	595	587	611	636	657	664	621	591	572	565	584
1986 .....	593	645	614	572	544	572	582	565	581	592	567	523
1987 .....	491	463	503	505	532	475	462	483	499	474	513	488
<b>Unemployed men, 55 years and over</b>												
1983 .....	527	529	522	577	537	500	495	482	476	452	464	465
1984 .....	440	411	413	407	414	385	405	413	412	392	398	387
1985 .....	387	360	340	358	361	391	407	339	351	351	348	343
1986 .....	355	381	366	346	334	361	352	361	366	379	351	347
1987 .....	321	300	318	327	348	301	300	302	283	277	313	282
<b>Unemployed women, 55 years and over</b>												
1983 .....	295	308	293	284	275	330	292	271	276	269	260	270
1984 .....	269	253	233	246	257	304	248	258	229	292	251	232
1985 .....	256	235	247	253	275	266	257	282	240	221	217	241
1986 .....	238	264	248	226	210	211	230	204	215	213	216	176
1987 .....	170	163	185	178	184	174	162	181	216	197	200	206
<b>Unemployed both sexes, 55 to 64 years</b>												
1983 .....	698	715	719	748	690	710	661	641	615	636	627	619
1984 .....	608	569	554	552	550	590	568	568	543	587	550	539
1985 .....	539	511	493	514	546	558	554	529	512	480	475	493
1986 .....	502	540	514	494	455	467	490	480	489	500	483	441
1987 .....	418	385	423	438	460	414	384	392	410	399	426	397
<b>Unemployed men, 55 to 64 years</b>												
1983 .....	445	443	455	501	455	423	418	406	396	407	406	396
1984 .....	383	363	366	353	336	342	362	357	356	342	344	340
1985 .....	319	309	282	307	313	334	338	298	304	294	290	289
1986 .....	302	319	307	296	273	286	292	306	308	316	297	300
1987 .....	279	247	265	276	302	263	249	242	238	237	264	225
<b>Unemployed women, 55 to 64 years</b>												
1983 .....	253	272	264	247	235	287	243	235	219	229	221	223
1984 .....	225	206	188	199	214	248	206	211	187	245	206	199
1985 .....	220	202	211	207	233	224	216	231	208	186	185	204
1986 .....	200	221	207	198	182	181	198	174	181	184	186	141
1987 .....	139	138	158	162	158	151	135	150	172	162	162	172
<b>Unemployed both sexes, 65 years and over</b>												
1983 .....	124	122	96	113	122	120	126	112	137	85	97	116
1984 .....	101	95	92	101	121	99	85	103	98	97	99	80
1985 .....	104	84	94	97	90	99	110	92	79	92	90	91
1986 .....	91	105	100	78	89	105	92	85	92	92	84	82
1987 .....	73	78	80	67	72	61	78	91	89	75	87	91
<b>Unemployed men, 65 years and over</b>												
1983 .....	82	86	67	76	82	77	77	76	80	45	58	69
1984 .....	57	48	47	54	78	43	43	56	56	50	54	47
1985 .....	68	51	58	51	48	57	69	41	47	57	58	54
1986 .....	53	62	59	50	61	75	60	55	58	63	54	47
1987 .....	42	53	53	51	46	38	51	60	45	40	49	57
<b>Unemployed women, 65 years and over</b>												
1983 .....	42	36	29	37	40	43	49	36	57	40	39	47
1984 .....	44	47	45	47	43	56	42	42	42	47	45	33
1985 .....	36	33	36	46	42	42	41	51	32	35	32	37
1986 .....	38	43	41	28	28	30	32	30	34	29	30	35
1987 .....	31	25	27	16	26	23	27	31	44	35	38	34

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed white workers												
1983 .....	8,759	8,894	8,746	8,574	8,473	8,504	7,937	7,983	7,774	7,468	7,188	6,983
1984 .....	6,720	6,627	6,558	6,556	6,342	6,169	6,201	6,294	6,270	6,246	6,101	6,240
1985 .....	6,328	6,138	6,193	6,263	6,161	6,444	6,326	6,178	6,126	6,166	5,943	6,033
1986 .....	5,799	6,346	6,223	6,205	6,304	6,290	6,198	5,984	6,178	6,148	6,147	5,930
1987 .....	5,920	5,824	5,762	5,624	5,587	5,452	5,331	5,335	5,288	5,352	5,239	5,128
Unemployed white men												
1983 .....	5,132	5,338	5,289	5,217	5,126	4,950	4,741	4,781	4,653	4,489	4,257	4,078
1984 .....	3,918	3,791	3,743	3,710	3,559	3,447	3,478	3,466	3,528	3,453	3,456	3,504
1985 .....	3,483	3,426	3,382	3,472	3,338	3,622	3,547	3,439	3,356	3,440	3,314	3,300
1986 .....	3,159	3,446	3,449	3,438	3,547	3,515	3,490	3,320	3,514	3,472	3,498	3,416
1987 .....	3,391	3,332	3,321	3,238	3,219	3,149	2,992	3,016	2,945	3,048	2,935	2,858
Unemployed white women												
1983 .....	3,627	3,556	3,457	3,357	3,347	3,554	3,196	3,202	3,121	2,979	2,931	2,905
1984 .....	2,802	2,836	2,815	2,846	2,783	2,722	2,723	2,828	2,742	2,793	2,645	2,736
1985 .....	2,845	2,712	2,811	2,791	2,823	2,822	2,779	2,739	2,770	2,726	2,629	2,733
1986 .....	2,640	2,900	2,774	2,767	2,757	2,775	2,708	2,664	2,664	2,676	2,649	2,514
1987 .....	2,529	2,492	2,441	2,396	2,368	2,303	2,339	2,319	2,343	2,304	2,304	2,270
Unemployed white workers, 16 to 19 years												
1983 .....	1,502	1,452	1,524	1,457	1,397	1,501	1,391	1,440	1,289	1,281	1,214	1,198
1984 .....	1,156	1,164	1,202	1,146	1,116	1,125	1,057	1,089	1,131	1,078	1,022	1,100
1985 .....	1,110	1,062	1,067	1,026	1,089	1,066	1,126	1,033	1,020	1,160	1,036	1,090
1986 .....	1,015	1,096	1,010	1,119	1,088	1,115	1,049	1,070	1,093	1,059	1,105	1,027
1987 .....	1,038	1,044	1,049	1,018	1,061	944	905	984	979	1,000	969	949
Unemployed white men, 16 to 19 years												
1983 .....	825	823	865	810	750	783	751	787	700	720	662	655
1984 .....	654	608	653	613	601	600	623	558	607	590	591	600
1985 .....	594	606	570	563	595	581	637	595	551	674	561	580
1986 .....	517	581	542	599	597	621	566	589	601	564	591	543
1987 .....	573	577	595	574	607	513	464	548	535	537	523	536
Unemployed white women, 16 to 19 years												
1983 .....	677	629	659	647	647	718	640	653	589	561	552	543
1984 .....	502	556	549	533	515	525	434	531	524	488	431	500
1985 .....	516	456	497	463	494	485	489	438	469	486	475	510
1986 .....	498	515	468	520	491	494	483	481	492	495	514	484
1987 .....	465	467	454	444	454	431	441	436	444	463	446	413
Unemployed white workers, 20 years and over												
1983 .....	7,257	7,442	7,222	7,117	7,076	7,003	6,546	6,543	6,485	6,187	5,974	5,785
1984 .....	5,564	5,463	5,356	5,410	5,226	5,044	5,144	5,205	5,139	5,168	5,079	5,140
1985 .....	5,218	5,076	5,126	5,237	5,072	5,378	5,200	5,145	5,106	5,006	4,907	4,943
1986 .....	4,784	5,250	5,213	5,086	5,216	5,175	5,149	4,914	5,085	5,089	5,042	4,903
1987 .....	4,882	4,780	4,713	4,616	4,526	4,508	4,426	4,351	4,309	4,352	4,270	4,179
Unemployed white men, 20 years and over												
1983 .....	4,307	4,515	4,424	4,407	4,376	4,167	3,990	3,994	3,953	3,769	3,595	3,423
1984 .....	3,264	3,183	3,090	3,097	2,958	2,847	2,855	2,908	2,921	2,863	2,865	2,904
1985 .....	2,889	2,820	2,812	2,909	2,743	3,041	2,910	2,844	2,805	2,766	2,753	2,720
1986 .....	2,642	2,865	2,907	2,839	2,950	2,894	2,924	2,731	2,913	2,908	2,907	2,873
1987 .....	2,818	2,755	2,726	2,664	2,612	2,636	2,528	2,468	2,410	2,511	2,412	2,322
Unemployed white women, 20 years and over												
1983 .....	2,950	2,927	2,798	2,710	2,700	2,836	2,556	2,549	2,532	2,418	2,379	2,362
1984 .....	2,300	2,280	2,266	2,313	2,268	2,197	2,289	2,297	2,218	2,305	2,214	2,236
1985 .....	2,329	2,256	2,314	2,328	2,329	2,337	2,290	2,301	2,301	2,240	2,154	2,223
1986 .....	2,142	2,385	2,306	2,247	2,266	2,281	2,225	2,183	2,172	2,181	2,135	2,030
1987 .....	2,064	2,025	1,987	1,952	1,914	1,872	1,898	1,883	1,899	1,841	1,858	1,857

7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed black workers												
1983 ..	2,465	2,305	2,325	2,360	2,357	2,430	2,275	2,311	2,200	2,101	2,034	2,078
1984 ..	2,019	1,923	1,970	1,964	1,882	1,854	2,023	1,955	1,811	1,868	1,830	1,864
1985 ..	1,866	1,951	1,866	1,874	1,889	1,762	1,877	1,754	1,871	1,851	1,936	1,880
1986 ..	1,822	1,827	1,859	1,887	1,864	1,913	1,798	1,848	1,868	1,844	1,819	1,738
1987 ..	1,812	1,808	1,781	1,664	1,760	1,654	1,658	1,637	1,607	1,596	1,604	1,610
Unemployed black men												
1983 ..	1,329	1,242	1,237	1,274	1,301	1,305	1,245	1,263	1,169	1,073	1,052	1,033
1984 ..	1,046	1,012	1,057	1,051	980	1,009	1,079	1,003	949	957	900	972
1985 ..	953	996	953	953	941	894	947	862	962	989	987	967
1986 ..	946	953	962	952	949	971	947	945	979	967	914	861
1987 ..	895	885	856	827	911	819	823	821	757	747	773	776
Unemployed black women												
1983 ..	1,136	1,063	1,088	1,086	1,056	1,125	1,030	1,048	1,031	1,028	982	1,045
1984 ..	973	911	913	913	902	845	944	952	862	911	930	892
1985 ..	913	955	913	921	948	868	930	892	909	862	949	913
1986 ..	876	874	897	935	915	942	851	903	889	877	905	877
1987 ..	917	923	925	837	849	835	835	816	850	849	831	834
Unemployed black workers, 16 to 19 years												
1983 ..	377	363	342	393	388	458	396	442	413	385	377	379
1984 ..	361	346	349	361	339	311	363	375	368	357	356	356
1985 ..	369	376	357	343	358	323	385	324	346	370	368	377
1986 ..	368	351	393	388	364	368	329	342	347	313	301	311
1987 ..	333	339	320	317	324	286	282	298	286	322	319	317
Unemployed black men, 16 to 19 years												
1983 ..	206	196	193	205	227	255	218	251	226	184	190	186
1984 ..	185	196	188	189	178	173	185	192	185	199	188	199
1985 ..	208	188	185	182	174	187	211	179	198	202	210	198
1986 ..	189	186	204	193	198	184	186	171	176	171	149	159
1987 ..	168	172	159	169	170	135	146	174	146	155	158	163
Unemployed black women, 16 to 19 years												
1983 ..	171	167	149	188	161	203	178	191	187	201	187	193
1984 ..	176	150	161	172	161	138	178	183	183	158	168	157
1985 ..	161	188	172	161	184	136	174	145	148	168	158	179
1986 ..	179	165	189	195	166	184	143	171	171	142	152	152
1987 ..	165	167	161	148	154	151	136	124	140	167	161	154
Unemployed black workers, 20 years and over												
1983 ..	2,088	1,942	1,983	1,967	1,969	1,972	1,879	1,869	1,787	1,716	1,657	1,699
1984 ..	1,658	1,577	1,621	1,603	1,543	1,543	1,660	1,580	1,443	1,511	1,474	1,508
1985 ..	1,497	1,575	1,509	1,531	1,531	1,439	1,492	1,430	1,525	1,481	1,568	1,503
1986 ..	1,454	1,476	1,466	1,499	1,500	1,545	1,469	1,506	1,521	1,531	1,518	1,427
1987 ..	1,479	1,469	1,461	1,347	1,436	1,368	1,376	1,339	1,321	1,274	1,285	1,293
Unemployed black men, 20 years and over												
1983 ..	1,123	1,046	1,044	1,069	1,074	1,050	1,027	1,012	943	889	862	847
1984 ..	861	816	869	862	802	836	894	811	764	758	712	773
1985 ..	745	808	768	771	767	707	736	683	764	787	777	769
1986 ..	757	767	758	759	751	787	761	774	803	796	765	702
1987 ..	727	713	697	658	741	684	677	647	611	592	615	613
Unemployed black women, 20 years and over												
1983 ..	965	896	939	898	895	922	852	857	844	827	795	852
1984 ..	797	761	752	741	741	707	766	769	679	753	762	735
1985 ..	752	767	741	760	764	732	756	747	761	694	791	734
1986 ..	697	709	708	740	749	758	708	732	718	735	753	725
1987 ..	752	756	764	689	695	684	699	692	710	682	670	680

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed Hispanic-origin workers</b>												
1983	1,050	1,069	1,072	1,028	975	1,007	873	926	923	858	881	835
1984	821	746	850	855	788	773	779	806	795	813	774	798
1985	783	731	798	797	808	822	863	814	814	869	831	808
1986	773	930	839	837	875	869	873	899	902	849	777	868
1987	854	809	763	782	752	730	685	693	704	719	785	714
<b>Unemployed married men, spouse present</b>												
1983	2,915	2,918	2,919	2,872	2,837	2,696	2,502	2,613	2,439	2,309	2,222	2,123
1984	2,014	1,977	1,934	1,925	1,882	1,845	1,849	1,872	1,884	1,843	1,815	1,841
1985	1,865	1,806	1,745	1,753	1,633	1,857	1,774	1,739	1,807	1,695	1,743	1,761
1986	1,777	1,831	1,840	1,748	1,861	1,858	1,844	1,759	1,796	1,862	1,848	1,817
1987	1,765	1,730	1,713	1,699	1,659	1,673	1,611	1,553	1,541	1,542	1,487	1,441
<b>Unemployed married women, spouse present</b>												
1983	2,054	2,001	1,963	1,933	1,938	2,048	1,815	1,824	1,792	1,684	1,654	1,682
1984	1,582	1,579	1,543	1,567	1,564	1,535	1,574	1,610	1,565	1,597	1,511	1,519
1985	1,575	1,463	1,604	1,615	1,574	1,620	1,571	1,515	1,621	1,524	1,542	1,496
1986	1,433	1,529	1,557	1,493	1,543	1,508	1,523	1,479	1,467	1,443	1,424	1,353
1987	1,371	1,390	1,308	1,298	1,247	1,190	1,240	1,258	1,227	1,220	1,247	1,275
<b>Unemployed women who maintain families</b>												
1983	775	751	774	740	723	722	690	668	690	667	612	671
1984	646	645	658	644	610	606	621	617	589	626	661	605
1985	631	676	635	687	675	614	658	672	693	640	624	609
1986	629	633	642	618	639	630	610	652	646	580	652	662
1987	645	628	636	621	627	629	620	605	597	601	579	568
<b>Unemployed full-time workers</b>												
1983	9,804	9,893	9,735	9,640	9,447	9,388	8,919	8,999	8,707	8,357	7,947	7,748
1984	7,517	7,267	7,281	7,324	6,984	6,619	6,992	7,000	6,890	6,982	6,790	6,913
1985	6,938	6,864	6,785	6,854	6,719	6,802	6,916	6,727	6,762	6,742	6,723	6,678
1986	6,447	6,825	6,861	6,814	6,926	6,792	6,691	6,553	6,792	6,704	6,672	6,481
1987	6,473	6,397	6,248	6,083	6,053	6,000	5,852	5,812	5,636	5,725	5,684	5,601
<b>Unemployed full-time workers, both sexes, 16 to 19 years</b>												
1983	1,119	1,138	1,107	1,089	1,008	1,174	1,075	1,149	988	987	899	865
1984	839	824	869	850	776	768	783	771	836	806	837	831
1985	838	792	745	704	747	733	849	754	761	845	770	790
1986	752	742	739	799	770	759	721	723	731	678	692	687
1987	685	712	711	657	677	621	583	636	638	658	640	620
<b>Unemployed full-time workers, men, 20 years and over</b>												
1983	5,317	5,436	5,337	5,382	5,331	5,049	4,891	4,898	4,757	4,544	4,343	4,190
1984	4,017	3,865	3,803	3,851	3,636	3,468	3,625	3,639	3,611	3,504	3,479	3,575
1985	3,556	3,504	3,504	3,558	3,395	3,554	3,496	3,418	3,463	3,435	3,439	3,405
1986	3,318	3,547	3,550	3,480	3,584	3,518	3,581	3,410	3,551	3,559	3,573	3,468
1987	3,453	3,376	3,290	3,236	3,214	3,194	3,117	3,031	2,896	2,974	2,942	2,875
<b>Unemployed full-time workers, women, 20 years and over</b>												
1983	3,368	3,319	3,291	3,169	3,108	3,165	2,953	2,952	2,962	2,826	2,705	2,693
1984	2,661	2,578	2,609	2,623	2,572	2,383	2,584	2,590	2,443	2,672	2,474	2,507
1985	2,544	2,568	2,536	2,592	2,577	2,515	2,571	2,555	2,538	2,462	2,514	2,483
1986	2,377	2,536	2,572	2,535	2,572	2,515	2,389	2,420	2,510	2,467	2,407	2,326
1987	2,335	2,309	2,247	2,190	2,162	2,185	2,152	2,145	2,102	2,093	2,102	2,106
<b>Unemployed part-time workers</b>												
1983	1,721	1,613	1,675	1,646	1,682	1,775	1,636	1,614	1,606	1,561	1,558	1,608
1984	1,504	1,504	1,470	1,451	1,465	1,550	1,539	1,527	1,476	1,424	1,401	1,460
1985	1,541	1,442	1,551	1,554	1,577	1,558	1,566	1,462	1,492	1,563	1,431	1,496
1986	1,420	1,580	1,492	1,563	1,498	1,605	1,591	1,559	1,522	1,530	1,550	1,459
1987	1,510	1,477	1,571	1,473	1,502	1,282	1,393	1,432	1,448	1,439	1,415	1,396

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**7. Unemployed persons by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed part-time workers, both sexes, 16 to 19 years												
1983 .....	815	700	806	802	805	847	792	780	783	728	738	744
1984 .....	720	700	708	686	693	719	709	710	895	649	554	661
1985 .....	684	663	723	691	713	696	741	643	655	720	662	700
1986 .....	665	733	707	741	706	788	715	729	751	713	742	688
1987 .....	721	712	694	706	722	666	671	898	668	711	696	669
Unemployed part-time workers, men, 20 years and over												
1983 .....	291	290	274	279	267	269	282	263	277	271	261	255
1984 .....	261	260	242	241	251	267	245	237	224	236	251	249
1985 .....	243	242	216	269	244	250	249	235	211	240	222	215
1986 .....	213	223	228	251	246	249	240	252	283	258	241	265
1987 .....	249	235	272	219	236	210	207	226	209	201	198	191
Unemployed part-time workers, women, 20 years and over												
1983 .....	615	623	595	565	610	659	562	571	546	564	559	609
1984 .....	523	544	520	524	521	564	585	580	557	539	596	550
1985 .....	614	537	612	594	620	612	576	584	626	603	547	581
1986 .....	542	624	557	571	546	568	636	578	508	561	567	526
1987 .....	540	530	605	548	544	406	515	508	571	527	521	536

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**8. Unemployed persons by reason for and duration of unemployment**

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed job losers</b>												
1983	6,836	6,862	6,845	6,738	6,769	6,555	6,198	6,150	5,913	5,514	5,250	5,102
1984	4,826	4,726	4,604	4,503	4,341	4,250	4,489	4,242	4,189	4,283	4,158	4,256
1985	4,302	4,224	4,129	4,198	3,907	4,106	4,331	4,174	4,141	4,021	4,099	4,013
1986	3,797	4,145	4,187	4,005	4,212	4,264	4,064	3,887	4,066	3,959	3,942	3,913
1987	3,971	3,835	3,791	3,705	3,612	3,554	3,529	3,389	3,313	3,388	3,307	3,200
<b>Unemployed job losers on layoff</b>												
1983	2,149	2,052	1,982	1,982	1,944	1,842	1,727	1,678	1,573	1,385	1,332	1,334
1984	1,226	1,237	1,231	1,115	1,186	1,180	1,182	1,196	1,135	1,164	1,058	1,094
1985	1,184	1,194	1,136	1,211	1,064	1,153	1,145	1,160	1,197	1,149	1,160	1,126
1986	1,118	1,139	1,139	1,059	1,135	1,090	1,087	1,044	1,042	1,064	1,054	1,064
1987	1,087	1,001	1,003	963	924	919	916	874	820	944	878	856
<b>Unemployed job leavers</b>												
1983	820	838	914	827	815	803	730	800	858	871	850	843
1984	801	778	782	798	818	803	830	842	849	831	873	869
1985	874	852	852	846	882	989	880	880	849	931	806	893
1986	992	976	986	1,105	999	1,018	1,011	976	1,027	1,015	1,058	1,024
1987	909	1,033	996	955	931	959	989	992	981	960	926	946
<b>Unemployed reentrants</b>												
1983	2,566	2,519	2,445	2,471	2,375	2,477	2,458	2,450	2,335	2,335	2,276	2,220
1984	2,204	2,164	2,178	2,283	2,134	2,018	2,139	2,283	2,258	2,159	2,176	2,246
1985	2,254	2,219	2,287	2,294	2,349	2,275	2,187	2,145	2,370	2,247	2,207	2,239
1986	2,085	2,264	2,168	2,211	2,177	2,113	2,222	2,172	2,164	2,239	2,093	2,005
1987	2,059	2,038	2,078	1,965	1,995	1,980	1,930	1,969	1,908	1,845	1,974	1,945
<b>Unemployed new entrants</b>												
1983	1,202	1,194	1,166	1,221	1,213	1,416	1,246	1,232	1,242	1,121	1,170	1,174
1984	1,177	1,096	1,190	1,175	1,135	1,143	1,126	1,135	1,065	1,060	1,014	1,014
1985	1,031	1,019	1,076	1,045	1,115	1,037	1,152	982	921	1,033	1,045	1,027
1986	1,001	1,047	1,002	1,054	1,027	1,093	1,033	1,049	1,045	932	1,085	990
1987	1,048	1,007	952	918	999	854	844	855	882	914	855	909
<b>Unemployed less than 5 weeks</b>												
1983	3,654	3,717	3,502	3,539	3,531	3,686	3,459	3,632	3,768	3,491	3,347	3,455
1984	3,298	3,325	3,327	3,373	3,176	3,255	3,392	3,573	3,328	3,427	3,396	3,373
1985	3,655	3,472	3,501	3,511	3,506	3,523	3,550	3,441	3,503	3,431	3,478	3,403
1986	3,331	3,520	3,510	3,615	3,574	3,463	3,425	3,453	3,416	3,419	3,374	3,335
1987	3,365	3,343	3,352	3,195	3,308	3,138	3,186	3,203	3,220	3,223	3,218	3,229
<b>Unemployed 5 to 14 weeks</b>												
1983	3,312	3,177	3,150	3,112	2,979	2,926	2,821	3,035	2,774	2,736	2,644	2,521
1984	2,536	2,490	2,508	2,466	2,396	2,279	2,476	2,418	2,530	2,389	2,338	2,559
1985	2,563	2,467	2,458	2,503	2,579	2,518	2,555	2,517	2,515	2,524	2,428	2,515
1986	2,466	2,588	2,597	2,675	2,720	2,690	2,546	2,393	2,555	2,547	2,589	2,403
1987	2,489	2,444	2,411	2,256	2,165	2,151	2,144	2,142	1,949	2,093	2,029	1,968
<b>Unemployed 15 weeks and over</b>												
1983	4,668	4,641	4,612	4,370	4,538	4,470	4,329	4,070	3,854	3,648	3,535	3,379
1984	3,253	2,996	2,888	2,835	2,873	2,604	2,640	2,607	2,552	2,531	2,445	2,410
1985	2,290	2,410	2,394	2,363	2,276	2,288	2,326	2,259	2,266	2,303	2,220	2,226
1986	2,104	2,331	2,251	2,120	2,206	2,272	2,265	2,289	2,355	2,204	2,235	2,194
1987	2,187	2,129	2,055	2,060	2,067	2,029	1,920	1,896	1,904	1,801	1,834	1,791
<b>Unemployed 15 to 26 weeks</b>												
1983	2,001	1,925	1,866	1,660	1,788	1,585	1,735	1,540	1,413	1,371	1,368	1,318
1984	1,217	1,161	1,108	1,078	1,192	1,008	1,051	1,091	1,101	1,104	1,025	1,018
1985	964	1,061	1,047	988	1,046	1,007	1,066	1,035	1,033	1,104	925	1,019
1986	1,005	1,139	1,082	949	1,045	1,008	1,062	1,091	1,118	989	1,063	1,042
1987	1,023	1,004	944	984	974	973	945	834	917	844	899	892
<b>Unemployed 27 weeks and over</b>												
1983	2,667	2,716	2,746	2,710	2,750	2,885	2,594	2,530	2,441	2,277	2,167	2,061
1984	2,036	1,835	1,780	1,757	1,681	1,596	1,589	1,516	1,451	1,427	1,420	1,392
1985	1,326	1,349	1,347	1,375	1,230	1,281	1,260	1,224	1,233	1,199	1,295	1,207
1986	1,099	1,192	1,169	1,171	1,161	1,264	1,203	1,198	1,237	1,215	1,172	1,152
1987	1,164	1,125	1,111	1,076	1,093	1,056	975	1,062	987	957	935	899



8. Unemployed persons by reason for and duration of unemployment—Continued

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Average duration in weeks												
1983 .....	19.4	19.2	19.4	19.5	20.5	20.8	21.2	20.0	20.2	20.2	19.7	19.2
1984 .....	20.5	19.1	19.1	18.9	18.8	18.1	17.9	17.3	17.0	16.7	17.0	16.8
1985 .....	15.9	16.0	16.1	16.4	15.3	15.4	15.5	15.3	15.3	15.3	15.7	15.2
1986 .....	15.0	15.4	14.6	14.6	14.7	15.1	15.2	15.5	15.4	15.2	15.0	15.0
1987 .....	15.0	14.8	14.9	14.8	14.8	14.7	14.2	14.3	14.2	14.1	14.0	14.2
Median duration in weeks												
1983 .....	11.1	9.8	10.4	10.9	12.3	11.3	10.1	9.3	9.3	9.4	9.3	8.7
1984 .....	9.1	8.3	8.4	8.2	9.1	7.5	7.5	7.3	7.5	7.1	7.2	7.3
1985 .....	6.8	7.1	7.1	6.8	6.9	6.6	7.0	7.1	6.8	7.0	6.9	6.8
1986 .....	6.8	7.0	6.9	6.5	6.8	7.2	7.0	7.1	7.2	7.0	7.0	7.1
1987 .....	7.0	6.7	6.7	6.9	6.6	6.6	6.6	6.4	5.8	6.2	6.1	6.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, including resident Armed Forces, total												
1983	10.3	10.3	10.2	10.0	9.9	9.9	9.3	9.3	9.0	8.7	8.3	8.2
1984	7.9	7.7	7.6	7.6	7.3	7.1	7.4	7.4	7.2	7.2	7.1	7.2
1985	7.3	7.1	7.1	7.2	7.1	7.2	7.2	7.0	7.0	7.0	6.9	6.9
1986	6.6	7.1	7.0	7.0	7.1	7.0	6.9	6.8	6.9	6.8	6.8	6.6
1987	6.6	6.5	6.4	6.2	6.2	6.0	6.0	5.9	5.8	5.9	5.8	5.7
Unemployment rate, including resident Armed Forces, men												
1983	10.4	10.6	10.5	10.4	10.3	9.9	9.5	9.6	9.3	8.9	8.4	8.2
1984	7.9	7.6	7.5	7.5	7.2	6.9	7.2	7.1	7.1	6.9	6.9	7.0
1985	7.0	6.9	6.8	6.9	6.7	7.0	7.0	6.7	6.7	6.9	6.7	6.7
1986	6.4	6.8	6.8	6.8	7.0	6.9	6.9	6.7	6.9	6.8	6.8	6.6
1987	8.8	8.5	6.4	6.2	6.3	6.0	5.9	5.9	5.6	5.7	5.7	5.6
Unemployment rate, including resident Armed Forces, women												
1983	10.0	9.9	9.7	9.5	9.4	9.9	9.0	9.0	8.7	8.5	8.2	8.2
1984	7.9	7.8	7.8	7.8	7.6	7.4	7.6	7.8	7.4	7.6	7.3	7.4
1985	7.6	7.4	7.5	7.5	7.6	7.5	7.6	7.3	7.4	7.2	7.2	7.2
1986	7.0	7.4	7.3	7.3	7.2	7.3	7.0	6.9	6.9	6.9	6.9	6.6
1987	6.8	6.6	6.5	6.2	6.2	6.0	6.1	6.0	6.1	6.1	6.0	5.9
Unemployment rate, all civilian workers												
1983	10.4	10.4	10.3	10.2	10.1	10.1	9.4	9.5	9.2	8.8	8.5	8.3
1984	8.0	7.8	7.8	7.7	7.4	7.2	7.5	7.5	7.3	7.4	7.2	7.3
1985	7.4	7.2	7.2	7.3	7.2	7.3	7.4	7.1	7.1	7.1	7.0	7.0
1986	6.7	7.2	7.1	7.1	7.2	7.1	7.0	6.9	7.0	6.9	6.9	6.7
1987	8.7	6.6	6.5	6.3	6.3	6.1	6.0	6.0	5.9	6.0	5.9	5.8
Unemployment rate, men												
1983	10.7	10.9	10.7	10.7	10.5	10.1	9.8	9.8	9.5	9.1	8.6	8.3
1984	8.1	7.8	7.7	7.7	7.3	7.1	7.4	7.3	7.3	7.1	7.0	7.2
1985	7.2	7.1	7.0	7.1	6.9	7.2	7.2	6.9	6.9	7.1	6.9	6.8
1986	6.5	7.0	7.0	7.0	7.1	7.0	7.0	6.8	7.1	7.0	6.9	6.8
1987	6.7	6.8	6.6	6.4	6.4	6.2	6.0	6.1	5.8	5.9	5.8	5.7
Unemployment rate, women												
1983	10.1	9.9	9.8	9.5	9.5	9.9	9.0	9.0	8.7	8.5	8.2	8.3
1984	8.0	7.8	7.8	7.8	7.6	7.4	7.6	7.8	7.4	7.7	7.4	7.4
1985	7.6	7.4	7.5	7.5	7.6	7.5	7.6	7.3	7.4	7.2	7.2	7.2
1986	7.0	7.5	7.3	7.4	7.3	7.3	7.0	6.9	7.0	6.9	6.9	6.6
1987	8.8	6.6	6.5	6.3	6.2	6.0	6.1	6.0	6.1	6.1	6.0	5.9
Unemployment rate, both sexes, 16 to 19 years												
1983	23.1	22.8	23.5	23.4	22.8	24.0	22.8	22.9	21.7	21.4	20.2	19.9
1984	19.5	19.4	19.8	19.3	18.7	18.2	18.6	18.8	19.2	18.6	17.7	18.9
1985	18.8	18.3	18.2	17.6	18.5	18.4	19.9	17.9	18.0	19.9	18.3	19.1
1986	18.2	18.8	18.1	19.2	18.7	18.9	18.1	18.2	18.5	17.6	18.1	17.5
1987	17.7	17.9	17.8	17.3	17.6	16.0	15.8	16.2	16.4	17.2	16.6	16.1
Unemployment rate, men, 16 to 19 years												
1983	24.3	24.3	25.3	24.5	23.8	24.0	23.6	24.4	22.6	22.2	20.5	20.4
1984	20.8	20.0	20.3	19.8	19.1	18.6	20.4	18.8	19.6	19.7	18.9	19.6
1985	19.4	19.5	18.5	18.2	18.9	18.8	21.1	19.5	19.1	21.8	19.6	19.7
1986	18.3	19.4	18.9	19.7	19.7	19.7	18.9	19.1	19.3	18.3	18.5	18.2
1987	18.5	18.5	19.0	18.7	19.6	16.4	15.9	17.8	17.3	17.4	17.2	17.2
Unemployment rate, women, 16 to 19 years												
1983	21.8	21.1	21.5	22.1	21.7	24.0	22.0	21.3	20.6	20.5	19.9	19.3
1984	18.1	18.8	19.3	18.7	18.2	17.7	16.7	18.8	18.7	17.4	16.3	18.0
1985	18.2	17.0	17.8	17.0	18.1	17.9	18.6	16.2	16.8	17.9	16.8	18.5
1986	18.1	18.1	17.3	18.8	17.6	18.1	17.2	17.2	17.8	16.9	17.7	16.9
1987	16.8	17.1	16.6	15.9	15.6	15.5	15.7	14.4	15.4	16.9	16.0	14.8

9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 20 years and over												
1983	9.4	9.5	9.3	9.1	9.1	8.9	8.4	8.4	8.2	7.9	7.6	7.4
1984	7.2	6.9	6.8	6.9	6.6	6.4	6.6	6.7	6.5	6.5	6.4	6.4
1985	6.5	6.4	6.4	6.5	6.4	6.5	6.4	6.3	6.3	6.2	6.2	6.1
1986	5.9	6.4	6.3	6.2	6.3	6.3	6.2	6.0	6.2	6.2	6.1	5.9
1987	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.2	5.1	5.0
Unemployment rate, men, 20 years and over												
1983	9.7	9.9	9.7	9.7	9.6	9.1	8.8	8.7	8.5	8.2	7.8	7.5
1984	7.2	7.0	6.8	6.9	6.5	6.3	6.5	6.5	6.4	6.2	6.2	6.3
1985	6.3	6.2	6.2	6.3	6.0	6.4	6.2	6.1	6.1	6.1	6.0	6.0
1986	5.8	6.2	6.2	6.1	6.3	6.2	6.2	6.0	6.2	6.2	6.2	6.0
1987	6.0	5.8	5.7	5.6	5.6	5.5	5.4	5.2	5.0	5.1	5.0	4.9
Unemployment rate, women, 20 years and over												
1983	9.0	8.9	8.8	8.4	8.4	8.7	7.9	7.9	7.7	7.5	7.2	7.3
1984	7.1	6.9	6.9	6.9	6.7	6.5	6.8	6.9	6.5	6.9	6.6	6.5
1985	6.8	6.6	6.6	6.7	6.8	6.7	6.7	6.7	6.6	6.4	6.4	6.3
1986	6.1	6.6	6.5	6.4	6.4	6.4	6.2	6.1	6.1	6.1	6.1	5.8
1987	5.9	5.8	5.7	5.5	5.4	5.3	5.4	5.3	5.4	5.2	5.2	5.2
Unemployment rate, both sexes, 20 to 24 years												
1983	16.0	16.2	15.6	15.4	15.2	14.6	13.8	14.4	13.8	13.6	13.0	12.4
1984	12.5	11.7	11.8	12.1	11.2	10.7	11.1	11.9	11.4	11.1	10.9	11.1
1985	11.0	11.3	11.2	11.0	11.2	11.1	11.0	11.0	10.9	11.0	11.1	10.7
1986	10.5	10.8	10.7	10.8	11.2	10.5	10.7	10.5	11.2	10.6	10.1	10.7
1987	10.7	10.4	10.2	10.1	9.8	10.0	9.7	9.4	9.4	8.8	8.9	8.5
Unemployment rate, men, 20 to 24 years												
1983	17.7	17.7	16.8	17.0	16.9	15.8	15.5	15.8	15.0	14.9	13.8	13.3
1984	13.2	12.2	12.1	12.7	11.1	11.3	11.5	12.5	12.3	11.2	11.1	11.6
1985	11.5	11.8	11.8	11.3	11.7	11.6	11.5	11.2	11.0	11.4	11.2	10.6
1986	10.6	10.6	11.1	11.5	11.6	10.7	11.0	10.6	12.1	10.7	10.7	11.2
1987	10.8	10.9	10.2	10.3	9.9	10.4	9.9	9.6	9.3	9.2	9.2	8.7
Unemployment rate, women, 20 to 24 years												
1983	14.2	14.4	14.2	13.4	13.1	13.1	11.7	12.7	12.5	12.2	12.0	11.4
1984	11.7	11.1	11.3	11.5	11.3	10.0	10.8	11.2	10.2	11.0	10.7	10.5
1985	10.6	10.7	10.6	10.7	10.6	10.5	10.6	10.8	10.8	10.7	11.0	10.7
1986	10.5	11.1	10.2	10.1	10.8	10.3	10.3	10.3	10.1	10.5	9.4	10.2
1987	10.5	9.9	10.1	10.0	9.7	9.6	9.5	9.0	9.4	8.5	8.6	8.4
Unemployment rate, both sexes, 25 years and over												
1983	8.1	8.2	8.1	8.0	8.0	7.9	7.3	7.3	7.2	6.8	6.6	6.6
1984	6.2	6.1	5.9	6.0	5.7	5.6	5.8	5.7	5.6	5.7	5.6	5.6
1985	5.7	5.6	5.6	5.8	5.5	5.7	5.6	5.5	5.6	5.4	5.4	5.4
1986	5.1	5.6	5.6	5.5	5.5	5.6	5.5	5.4	5.4	5.5	5.5	5.1
1987	5.2	5.1	5.0	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5
Unemployment rate, men, 25 years and over												
1983	8.2	8.5	8.4	8.4	8.3	7.9	7.6	7.6	7.5	7.0	6.7	6.5
1984	6.2	6.1	5.9	5.9	5.7	5.4	5.6	5.5	5.5	5.4	5.4	5.5
1985	5.5	5.4	5.3	5.6	5.1	5.5	5.4	5.3	5.4	5.2	5.2	5.2
1986	5.0	5.5	5.4	5.3	5.4	5.5	5.5	5.3	5.4	5.5	5.5	5.2
1987	5.2	5.1	5.1	4.9	4.9	4.8	4.7	4.7	4.5	4.5	4.4	4.4
Unemployment rate, women, 25 years and over												
1983	8.0	7.8	7.7	7.4	7.5	7.9	7.1	6.9	6.8	6.5	6.3	6.6
1984	6.2	6.1	6.0	6.0	5.8	5.8	6.0	6.0	5.8	6.1	5.9	5.8
1985	6.0	5.9	5.9	6.0	6.1	6.0	5.9	5.9	5.9	5.6	5.6	5.6
1986	5.3	5.8	5.8	5.8	5.7	5.7	5.5	5.4	5.4	5.4	5.5	5.0
1987	5.1	5.1	5.0	4.8	4.7	4.5	4.7	4.7	4.7	4.7	4.7	4.7

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 25 to 54 years												
1983 .....	8.7	8.7	8.7	8.5	8.5	8.4	7.8	7.8	7.6	7.2	6.9	6.8
1984 .....	6.5	6.4	6.3	6.3	6.0	5.8	6.1	6.0	5.9	5.9	5.8	5.9
1985 .....	6.0	5.9	5.9	6.1	5.8	6.0	5.9	5.8	5.9	5.7	5.6	5.6
1986 .....	5.4	5.9	5.8	5.8	5.9	5.9	5.8	5.6	5.7	5.7	5.8	5.4
1987 .....	5.5	5.5	5.3	5.1	5.1	4.9	5.0	4.9	4.8	4.8	4.7	4.8
Unemployment rate, men, 25 to 54 years												
1983 .....	8.8	9.0	9.0	8.9	8.8	8.4	8.1	8.0	7.9	7.4	7.1	6.8
1984 .....	6.5	6.4	6.1	6.2	6.0	5.6	5.9	5.7	5.6	5.6	5.6	5.6
1985 .....	5.8	5.6	5.6	5.9	5.3	5.7	5.6	5.6	5.6	5.5	5.4	5.5
1986 .....	5.3	5.7	5.6	5.5	5.8	5.7	5.8	5.5	5.6	5.7	5.8	5.5
1987 .....	5.6	5.4	5.3	5.1	5.1	5.0	4.9	4.9	4.7	4.8	4.6	4.6
Unemployment rate, women, 25 to 54 years												
1983 .....	8.6	8.3	8.3	7.9	8.1	8.2	7.5	7.4	7.2	7.0	6.7	6.9
1984 .....	6.5	6.5	6.4	6.4	6.1	6.0	6.4	6.4	6.2	6.3	6.1	6.1
1985 .....	6.4	6.2	6.3	6.3	6.4	6.4	6.2	6.1	6.2	5.9	5.9	5.8
1986 .....	5.6	6.0	6.1	6.1	6.1	6.2	5.8	5.8	5.8	5.7	5.8	5.4
1987 .....	5.5	5.5	5.3	5.1	5.0	4.9	5.0	5.0	4.9	4.9	4.9	4.9
Unemployment rate, both sexes, 25 to 34 years												
1983 .....	10.6	10.6	10.7	10.1	10.1	10.1	9.4	9.4	9.3	8.8	8.5	8.3
1984 .....	8.0	7.9	7.8	7.6	7.2	6.9	7.3	7.0	6.7	6.9	6.9	6.9
1985 .....	7.1	7.0	6.8	7.2	7.0	7.1	6.9	7.0	7.1	6.9	6.9	6.7
1986 .....	6.3	7.0	7.0	7.0	7.1	7.0	7.1	6.8	7.0	7.0	7.0	6.7
1987 .....	6.8	6.4	6.3	6.1	6.2	6.0	5.9	5.9	5.7	5.6	5.6	5.8
Unemployment rate, men, 25 to 34 years												
1983 .....	10.8	11.1	11.5	10.9	10.7	10.4	9.8	9.9	9.7	9.0	8.7	8.2
1984 .....	8.1	8.0	7.6	7.4	7.1	6.8	7.2	6.6	6.3	6.6	6.8	7.0
1985 .....	6.8	6.7	6.5	7.0	6.5	6.7	6.5	6.6	6.9	6.5	6.4	6.4
1986 .....	5.9	6.6	6.6	6.6	6.9	6.7	7.1	6.5	6.8	7.0	6.8	6.6
1987 .....	6.8	6.3	6.3	6.0	6.1	6.0	5.7	5.8	5.4	5.6	5.5	5.6
Unemployment rate, women, 25 to 34 years												
1983 .....	10.3	9.8	9.8	9.2	9.3	9.7	8.8	8.7	8.7	8.5	8.3	8.4
1984 .....	7.8	7.8	8.0	7.7	7.3	7.1	7.5	7.4	7.1	7.2	7.0	6.8
1985 .....	7.5	7.4	7.2	7.6	7.7	7.6	7.5	7.4	7.5	7.5	7.5	7.1
1986 .....	6.8	7.6	7.5	7.4	7.3	7.4	7.1	7.3	7.2	7.0	7.2	6.8
1987 .....	6.8	6.6	6.5	6.3	6.3	6.0	6.1	5.9	5.9	5.6	5.8	6.1
Unemployment rate, both sexes, 35 to 44 years												
1983 .....	7.8	7.8	7.5	7.4	7.6	7.4	7.1	6.7	6.7	6.3	5.9	5.7
1984 .....	5.5	5.5	5.3	5.6	5.3	5.2	5.4	5.6	5.5	5.4	5.0	5.1
1985 .....	5.4	5.2	5.3	5.2	5.2	5.5	5.2	5.1	5.0	4.8	4.9	4.9
1986 .....	4.7	5.4	5.2	5.2	5.2	5.2	5.0	4.9	4.9	5.0	5.1	4.7
1987 .....	4.8	4.8	4.8	4.5	4.4	4.3	4.5	4.4	4.4	4.5	4.2	4.2
Unemployment rate, men, 35 to 44 years												
1983 .....	7.8	7.7	7.4	7.6	7.8	7.4	7.2	6.9	7.0	6.5	6.0	5.6
1984 .....	5.4	5.4	5.2	5.5	5.3	5.3	5.3	5.5	5.4	5.1	4.6	4.4
1985 .....	5.0	4.9	5.0	5.0	4.7	5.3	4.9	4.7	4.7	4.5	4.8	5.0
1986 .....	4.9	5.6	5.1	4.8	5.0	5.1	4.9	5.1	5.0	5.2	5.2	4.9
1987 .....	4.9	4.8	4.8	4.4	4.5	4.2	4.5	4.3	4.2	4.3	4.0	4.0
Unemployment rate, women, 35 to 44 years												
1983 .....	7.8	7.8	7.6	7.1	7.5	7.5	7.1	6.4	6.4	6.0	5.7	5.9
1984 .....	5.6	5.6	5.5	5.6	5.3	5.2	5.5	5.8	5.6	5.8	5.5	5.9
1985 .....	5.9	5.5	5.6	5.4	5.8	5.8	5.6	5.7	5.5	5.1	5.1	4.8
1986 .....	4.5	5.1	5.3	5.6	5.4	5.2	5.0	4.7	4.7	4.8	5.0	4.6
1987 .....	4.7	4.9	4.9	4.5	4.3	4.4	4.6	4.6	4.7	4.7	4.3	4.5

9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 45 to 54 years												
1983 .....	6.5	6.6	6.5	6.8	6.8	6.4	6.0	6.2	5.8	5.6	5.3	5.5
1984 .....	5.1	5.0	4.8	4.8	4.9	4.4	4.9	4.7	4.9	4.8	4.9	5.0
1985 .....	4.9	4.8	5.0	5.1	4.3	4.6	4.8	4.6	4.7	4.6	4.3	4.6
1986 .....	4.6	4.4	4.5	4.5	4.6	4.9	4.5	4.4	4.4	4.2	4.3	4.1
1987 .....	4.1	4.5	4.2	4.0	3.9	4.0	3.9	3.9	3.7	4.0	3.9	3.5
Unemployment rate, men, 45 to 54 years												
1983 .....	6.4	7.0	6.6	6.9	6.8	6.3	6.1	6.2	5.9	5.8	5.5	5.6
1984 .....	4.9	4.9	4.8	4.6	4.8	4.0	4.2	4.2	4.6	4.5	4.6	4.9
1985 .....	5.0	4.7	4.7	5.0	3.9	4.6	4.7	4.8	4.6	4.8	4.5	4.4
1986 .....	4.5	4.3	4.5	4.5	4.6	4.6	4.5	4.3	4.3	4.1	4.4	4.2
1987 .....	4.3	4.8	4.5	4.4	4.1	4.3	4.1	4.0	4.0	4.0	3.9	3.7
Unemployment rate, women, 45 to 54 years												
1983 .....	6.5	6.1	6.3	6.6	6.7	6.5	5.8	6.1	5.6	5.5	4.9	5.4
1984 .....	5.4	5.1	4.8	4.9	5.2	5.0	5.9	5.4	5.3	5.3	5.3	5.1
1985 .....	4.9	5.0	5.4	5.3	4.8	4.7	4.8	4.2	4.9	4.2	4.1	4.8
1986 .....	4.8	4.6	4.6	4.4	4.7	5.2	4.5	4.6	4.6	4.3	4.1	3.9
1987 .....	3.9	4.1	3.8	3.5	3.5	3.5	3.6	3.8	3.2	4.0	3.9	3.4
Unemployment rate, both sexes, 55 years and over												
1983 .....	5.5	5.6	5.4	5.8	5.4	5.5	5.2	5.0	5.0	4.8	4.8	4.9
1984 .....	4.7	4.4	4.3	4.4	4.5	4.6	4.4	4.5	4.3	4.6	4.4	4.2
1985 .....	4.3	4.0	3.9	4.1	4.3	4.4	4.5	4.2	4.0	3.8	3.8	3.9
1986 .....	4.0	4.4	4.1	3.9	3.7	3.8	3.9	3.8	3.9	4.0	3.8	3.5
1987 .....	3.3	3.1	3.4	3.4	3.6	3.2	3.1	3.2	3.3	3.1	3.4	3.2
Unemployment rate, men, 55 years and over												
1983 .....	5.9	5.9	5.8	6.4	6.0	5.6	5.5	5.4	5.3	5.0	5.1	5.2
1984 .....	4.9	4.6	4.7	4.6	4.7	4.4	4.6	4.7	4.6	4.5	4.6	4.4
1985 .....	4.4	4.1	3.8	4.1	4.1	4.4	4.6	3.8	4.0	4.0	4.0	3.9
1986 .....	4.0	4.4	4.2	3.9	3.8	4.1	4.0	4.1	4.2	4.3	4.0	3.9
1987 .....	3.7	3.4	3.6	3.7	3.9	3.4	3.4	3.4	3.2	3.1	3.5	3.2
Unemployment rate, women, 55 years and over												
1983 .....	4.8	5.1	4.8	4.7	4.6	5.5	4.8	4.5	4.5	4.4	4.3	4.4
1984 .....	4.4	4.1	3.8	4.0	4.2	5.0	4.1	4.3	3.8	4.8	4.1	3.8
1985 .....	4.2	3.8	4.0	4.1	4.5	4.4	4.2	4.7	4.0	3.6	3.6	4.0
1986 .....	3.9	4.3	4.1	3.7	3.4	3.4	3.7	3.2	3.5	3.5	3.5	2.9
1987 .....	2.8	2.7	3.0	2.9	3.0	2.8	2.6	2.9	3.5	3.1	3.2	3.3
Unemployment rate, both sexes, 55 to 64 years												
1983 .....	5.8	6.0	6.0	6.3	5.8	5.9	5.5	5.4	5.1	5.3	5.2	5.1
1984 .....	5.1	4.7	4.6	4.6	4.6	4.9	4.7	4.8	4.5	5.0	4.6	4.5
1985 .....	4.5	4.3	4.1	4.3	4.5	4.6	4.6	4.4	4.3	4.0	4.0	4.1
1986 .....	4.2	4.6	4.3	4.2	3.8	3.9	4.1	4.0	4.1	4.2	4.1	3.7
1987 .....	3.5	3.3	3.6	3.7	3.9	3.5	3.3	3.3	3.5	3.3	3.6	3.3
Unemployment rate, men, 55 to 64 years												
1983 .....	6.2	6.2	6.4	7.0	6.4	5.9	5.9	5.7	5.6	5.7	5.7	5.5
1984 .....	5.4	5.1	5.2	5.0	4.8	4.9	5.1	5.0	5.0	4.9	4.9	4.8
1985 .....	4.5	4.4	4.0	4.3	4.5	4.7	4.8	4.2	4.3	4.2	4.1	4.1
1986 .....	4.3	4.6	4.4	4.3	3.9	4.1	4.2	4.4	4.4	4.5	4.3	4.3
1987 .....	4.0	3.5	3.8	4.0	4.3	3.8	3.6	3.5	3.4	3.4	3.8	3.3
Unemployment rate, women, 55 to 64 years												
1983 .....	5.2	5.6	5.4	5.1	4.9	5.9	5.0	4.8	4.5	4.7	4.5	4.5
1984 .....	4.6	4.2	3.8	4.0	4.3	5.0	4.2	4.3	3.8	5.1	4.2	4.0
1985 .....	4.5	4.1	4.2	4.2	4.7	4.6	4.4	4.7	4.2	3.8	3.8	4.1
1986 .....	4.1	4.5	4.2	4.0	3.7	3.6	3.9	3.4	3.7	3.7	3.8	2.9
1987 .....	2.8	2.8	3.3	3.3	3.2	3.1	2.8	3.0	3.5	3.2	3.2	3.4

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 65 years and over												
1983	4.1	4.0	3.2	3.7	4.1	4.0	4.2	3.7	4.3	2.8	3.2	3.8
1984	3.4	3.2	3.1	3.5	4.1	3.5	2.9	3.5	3.3	3.3	3.4	2.8
1985	3.6	2.9	3.2	3.3	3.1	3.4	3.9	3.2	2.7	3.1	3.1	3.1
1986	3.0	3.5	3.3	2.6	2.9	3.4	3.0	2.8	3.1	3.1	2.8	2.7
1987	2.4	2.6	2.6	2.2	2.3	1.9	2.5	2.8	2.8	2.4	2.7	2.8
Unemployment rate, men, 65 years and over												
1983	4.5	4.7	3.6	4.1	4.5	4.2	4.1	4.1	4.3	2.5	3.1	3.8
1984	3.1	2.7	2.7	3.1	4.4	2.5	2.5	3.2	3.1	2.8	3.1	2.8
1985	3.9	2.9	3.2	2.9	2.8	3.3	4.1	2.4	2.6	3.2	3.3	3.0
1986	2.8	3.4	3.2	2.7	3.4	4.1	3.3	3.1	3.3	3.6	3.0	2.5
1987	2.3	2.9	2.9	2.8	2.4	2.0	2.7	3.1	2.4	2.1	2.5	2.9
Unemployment rate, women, 65 years and over												
1983	3.5	3.0	2.4	3.1	3.3	3.7	4.2	3.0	4.5	3.3	3.2	3.9
1984	3.7	4.0	3.8	4.0	3.7	4.9	3.7	4.0	3.6	3.9	3.8	2.8
1985	3.1	2.8	3.1	3.9	3.6	3.6	3.5	4.6	2.9	3.1	2.8	3.2
1986	3.2	3.7	3.5	2.3	2.3	2.5	2.6	2.4	2.7	2.4	2.5	3.0
1987	2.5	2.1	2.2	1.4	2.2	1.9	2.2	2.5	3.6	2.8	3.1	2.7
Unemployment rate, white workers												
1983	9.1	9.3	9.1	8.9	8.8	8.7	8.2	8.2	8.0	7.7	7.4	7.1
1984	6.9	6.8	6.7	6.7	6.4	6.2	6.3	6.4	6.4	6.3	6.2	6.3
1985	6.4	6.2	6.2	6.3	6.2	6.5	6.3	6.2	6.1	6.1	5.9	6.0
1986	5.7	6.3	6.1	6.1	6.2	6.2	6.1	5.9	6.0	6.0	6.0	5.8
1987	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.2	5.1	4.9
Unemployment rate, white men												
1983	9.4	9.7	9.6	9.5	9.3	8.9	8.5	8.6	8.4	8.1	7.6	7.3
1984	7.0	6.8	6.7	6.6	6.4	6.1	6.2	6.2	6.3	6.2	6.2	6.2
1985	6.2	6.1	6.0	6.1	5.9	6.4	6.3	6.1	5.9	6.1	5.8	5.8
1986	5.5	6.0	6.0	6.0	6.2	6.1	6.1	5.8	6.1	6.1	6.1	5.9
1987	5.9	5.8	5.8	5.6	5.6	5.5	5.2	5.2	5.1	5.3	5.1	4.9
Unemployment rate, white women												
1983	8.8	8.6	8.4	8.2	8.1	8.6	7.7	7.7	7.4	7.1	7.0	6.9
1984	6.7	6.7	6.7	6.7	6.5	6.4	6.4	6.7	6.5	6.6	6.2	6.4
1985	6.6	6.3	6.5	6.4	6.5	6.5	6.4	6.3	6.3	6.2	6.0	6.2
1986	6.0	6.6	6.3	6.3	6.2	6.2	6.0	5.9	5.9	6.0	5.9	5.6
1987	5.6	5.5	5.4	5.3	5.2	5.1	5.1	5.1	5.1	5.0	5.0	4.9
Unemployment rate, white workers, 16 to 19 years												
1983	20.5	20.1	21.1	20.4	19.8	20.3	19.3	19.7	18.0	18.1	17.2	16.8
1984	16.4	16.5	17.0	16.4	16.0	15.8	15.2	16.2	16.3	15.7	15.0	15.9
1985	15.9	15.2	15.3	14.9	15.8	15.9	16.4	15.5	15.0	16.9	15.2	16.1
1986	15.1	15.9	14.8	16.2	15.8	16.1	15.4	15.6	15.8	15.3	16.0	15.2
1987	15.1	15.1	15.3	14.8	15.2	13.9	13.3	14.1	14.3	14.5	14.1	13.6
Unemployment rate, white men, 16 to 19 years												
1983	21.6	21.7	23.0	21.7	20.3	20.1	20.0	20.6	18.7	19.4	17.8	17.6
1984	18.1	16.7	17.7	17.0	16.6	16.2	17.3	16.1	17.0	16.5	16.4	16.6
1985	16.3	16.8	15.7	15.5	16.4	16.3	17.6	17.0	15.7	18.8	15.9	16.6
1986	15.1	16.5	15.6	16.8	16.8	17.3	16.0	16.5	16.6	15.7	16.4	15.8
1987	16.1	16.0	16.8	16.3	17.0	14.8	13.5	15.2	15.1	15.1	14.8	14.9
Unemployment rate, white women, 16 to 19 years												
1983	19.2	18.4	19.2	19.0	19.3	20.5	18.6	18.7	17.3	16.8	16.4	15.9
1984	14.6	16.3	16.4	15.7	15.3	15.4	12.9	16.2	15.7	14.8	13.4	15.2
1985	15.5	13.5	14.8	14.3	15.2	15.6	15.1	13.9	14.3	14.9	14.4	15.5
1986	15.2	15.4	13.9	15.6	14.8	14.8	14.8	14.5	14.9	14.7	15.4	14.5
1987	14.0	14.1	13.7	13.3	13.3	13.0	13.1	12.9	13.4	13.8	13.3	12.3

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, white workers, 20 years and over												
1983	8.2	8.4	8.1	8.0	7.9	7.8	7.3	7.2	6.8	6.6	6.4	6.4
1984	6.1	6.0	5.9	5.9	5.7	5.5	5.6	5.7	5.6	5.6	5.5	5.6
1985	5.6	5.5	5.5	5.6	5.5	5.8	5.6	5.5	5.5	5.3	5.2	5.3
1986	5.1	5.6	5.5	5.4	5.5	5.4	5.4	5.2	5.3	5.3	5.3	5.1
1987	5.1	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.5	4.5	4.4	4.3
Unemployment rate, white men, 20 years and over												
1983	8.4	8.8	8.6	8.6	8.5	8.0	7.7	7.7	7.6	7.3	6.9	6.6
1984	6.3	6.1	5.9	5.9	5.7	5.4	5.4	5.5	5.6	5.4	5.4	5.5
1985	5.5	5.4	5.3	5.5	5.2	5.7	5.5	5.4	5.3	5.2	5.2	5.1
1986	4.9	5.4	5.4	5.3	5.5	5.4	5.4	5.1	5.4	5.4	5.4	5.3
1987	5.2	5.1	5.0	4.9	4.8	4.9	4.7	4.6	4.4	4.6	4.4	4.3
Unemployment rate, white women, 20 years and over												
1983	7.8	7.8	7.4	7.2	7.2	7.5	6.7	6.6	6.6	6.3	6.2	6.1
1984	6.0	5.9	5.8	5.9	5.8	5.6	5.8	5.9	5.7	5.9	5.6	5.7
1985	5.9	5.7	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.5	5.3	5.5
1986	5.3	5.9	5.6	5.5	5.5	5.5	5.4	5.2	5.2	5.2	5.1	4.9
1987	5.0	4.8	4.7	4.6	4.5	4.4	4.5	4.4	4.5	4.3	4.4	4.4
Unemployment rate, black workers												
1983	21.2	19.9	20.1	20.4	20.3	20.7	19.4	19.7	18.8	18.2	17.5	17.8
1984	17.2	16.2	16.6	16.6	15.7	15.5	16.7	16.0	15.0	15.3	14.9	15.2
1985	15.2	15.9	15.2	15.2	15.3	14.3	15.2	14.2	15.1	14.9	15.5	15.0
1986	14.5	14.6	14.7	14.8	14.6	15.0	14.3	14.8	14.7	14.5	14.3	13.7
1987	14.1	14.0	13.9	13.0	13.7	12.8	12.7	12.4	12.3	12.1	12.2	12.2
Unemployment rate, black men												
1983	22.4	21.1	21.0	21.5	21.9	21.6	20.6	21.0	19.5	18.1	17.6	17.3
1984	17.3	16.5	17.4	17.4	16.1	16.6	17.6	16.3	15.4	15.4	14.6	15.6
1985	15.4	16.1	15.5	15.4	15.2	14.5	15.2	13.8	15.3	15.7	15.8	15.4
1986	14.9	15.1	15.1	14.9	14.7	15.1	14.9	15.0	15.4	15.1	14.4	13.5
1987	13.9	13.7	13.3	12.9	14.1	12.7	12.6	12.5	11.7	11.5	11.8	11.9
Unemployment rate, black women												
1983	20.0	18.7	19.2	19.2	18.6	19.8	18.1	18.4	18.0	18.2	17.4	18.3
1984	17.1	15.8	15.8	15.7	15.4	14.3	15.8	15.8	14.5	15.2	15.3	14.7
1985	14.9	15.7	14.9	14.9	15.4	14.1	15.1	14.6	14.9	14.1	15.3	14.6
1986	14.1	14.1	14.3	14.8	14.5	14.9	13.7	14.5	14.1	13.9	14.2	13.9
1987	14.4	14.3	14.4	13.2	13.2	12.9	12.8	12.4	13.0	12.8	12.5	12.5
Unemployment rate, black workers, 16 to 19 years												
1983	46.4	46.4	44.2	48.8	48.4	52.0	48.2	52.1	51.4	49.4	47.1	47.4
1984	46.9	43.1	45.3	44.0	43.7	37.4	42.1	43.4	42.6	41.3	41.8	41.6
1985	41.3	42.3	40.1	38.3	39.4	38.8	41.2	37.4	39.7	40.8	41.8	41.8
1986	41.3	39.1	42.0	41.3	39.3	39.7	38.9	42.0	39.5	35.9	36.0	36.6
1987	39.2	38.0	37.0	37.1	37.5	33.4	32.7	30.6	30.8	33.8	33.9	33.4
Unemployment rate, black men, 16 to 19 years												
1983	47.0	46.8	45.6	49.0	52.8	53.3	47.9	55.0	53.4	44.3	44.2	44.8
1984	45.5	46.3	43.6	43.1	41.0	39.3	41.8	43.1	40.7	43.9	41.7	43.5
1985	43.9	41.2	39.9	38.5	37.8	41.9	42.5	37.3	41.2	41.2	46.1	41.0
1986	41.3	39.1	42.5	40.2	39.0	39.6	41.0	40.4	39.2	38.3	35.5	36.2
1987	36.5	37.9	36.1	37.8	38.3	31.4	32.4	33.7	31.5	32.5	32.2	33.5
Unemployment rate, black women, 16 to 19 years												
1983	45.6	45.9	42.5	48.5	43.4	50.4	48.6	48.7	49.1	55.1	50.5	50.3
1984	48.5	39.6	47.4	45.1	47.1	35.3	42.5	43.7	44.7	38.4	41.9	39.3
1985	38.3	43.4	40.3	38.2	41.0	35.1	39.6	37.5	37.8	40.4	37.2	42.7
1986	41.4	39.2	41.4	42.5	39.7	39.8	36.5	43.7	39.9	33.3	36.5	37.1
1987	42.3	38.0	38.0	36.3	36.6	35.4	33.1	27.1	30.0	35.2	35.8	33.4

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued**

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, black workers, 20 years and over</b>												
1983 .....	19.3	18.0	18.4	18.3	18.2	18.2	17.2	17.2	16.4	15.9	15.3	15.6
1984 .....	15.1	14.2	14.6	14.5	13.8	13.8	14.8	13.9	12.8	13.3	12.9	13.2
1985 .....	13.1	13.8	13.2	13.4	13.4	12.5	13.1	12.5	13.2	12.9	13.5	12.9
1986 .....	12.5	12.7	12.5	12.7	12.7	13.1	12.5	12.9	12.9	12.9	12.8	12.0
1987 .....	12.4	12.2	12.2	11.3	11.9	11.4	11.3	11.0	10.9	10.4	10.5	10.5
<b>Unemployment rate, black men, 20 years and over</b>												
1983 .....	20.4	19.1	19.1	19.4	19.5	18.9	18.4	18.2	17.0	16.1	15.5	15.2
1984 .....	15.3	14.3	15.4	15.4	14.2	14.8	15.7	14.2	13.4	13.2	12.4	13.4
1985 .....	13.1	14.1	13.5	13.5	13.4	12.4	12.9	11.9	13.2	13.6	13.4	13.2
1986 .....	12.9	13.1	12.8	12.9	12.7	13.2	12.8	13.2	13.6	13.4	12.9	11.8
1987 .....	12.1	11.9	11.6	11.0	12.3	11.4	11.2	10.7	10.1	9.8	10.2	10.1
<b>Unemployment rate, black women, 20 years and over</b>												
1983 .....	18.2	16.8	17.6	17.0	16.9	17.4	16.0	16.1	15.8	15.7	15.1	16.0
1984 .....	15.0	14.1	13.9	13.6	13.5	12.9	13.8	13.7	12.2	13.5	13.4	12.9
1985 .....	13.2	13.6	13.0	13.2	13.4	12.7	13.3	13.1	13.3	12.2	13.7	12.6
1986 .....	12.1	12.3	12.2	12.6	12.7	12.9	12.1	12.5	12.2	12.5	12.7	12.3
1987 .....	12.6	12.6	12.7	11.6	11.6	11.3	11.4	11.3	11.7	11.0	10.8	10.9
<b>Unemployment rate, Hispanic-origin workers</b>												
1983 .....	15.3	15.5	15.6	14.8	14.0	14.3	12.4	13.0	12.9	12.1	12.3	11.6
1984 .....	11.3	10.4	11.6	11.7	10.7	10.4	10.4	10.7	10.5	10.8	10.2	10.4
1985 .....	10.5	9.7	10.5	10.5	10.6	10.7	11.2	10.4	10.3	11.1	10.7	10.4
1986 .....	10.0	11.8	10.6	10.5	11.0	10.7	10.7	11.0	11.0	10.3	9.4	10.4
1987 .....	10.2	9.6	9.1	9.2	8.8	8.6	8.1	8.1	8.2	8.3	9.0	8.1
<b>Unemployment rate, married men, spouse present</b>												
1983 .....	7.2	7.2	7.2	7.1	7.0	6.6	6.1	6.4	6.0	5.7	5.5	5.2
1984 .....	5.0	4.8	4.7	4.7	4.6	4.5	4.5	4.6	4.6	4.5	4.4	4.5
1985 .....	4.5	4.4	4.2	4.3	4.0	4.5	4.3	4.3	4.4	4.1	4.3	4.3
1986 .....	4.3	4.4	4.5	4.2	4.5	4.5	4.4	4.2	4.3	4.5	4.4	4.3
1987 .....	4.2	4.1	4.1	4.1	4.0	4.0	3.8	3.7	3.7	3.7	3.5	3.4
<b>Unemployment rate, married women, spouse present</b>												
1983 .....	7.8	7.6	7.5	7.3	7.4	7.8	6.9	6.8	6.7	6.3	6.2	6.3
1984 .....	5.9	5.9	5.7	5.8	5.7	5.6	5.8	5.9	5.7	5.8	5.5	5.5
1985 .....	5.7	5.3	5.8	5.8	5.7	5.9	5.7	5.4	5.7	5.4	5.4	5.3
1986 .....	5.0	5.4	5.5	5.3	5.4	5.2	5.3	5.1	5.1	5.0	4.9	4.7
1987 .....	4.7	4.8	4.5	4.4	4.2	4.0	4.2	4.3	4.2	4.2	4.2	4.3
<b>Unemployment rate, women who maintain families</b>												
1983 .....	13.3	13.0	13.2	13.0	12.8	12.6	12.1	11.6	11.8	11.3	10.4	11.2
1984 .....	10.9	10.7	10.8	10.5	9.9	9.7	10.0	10.1	9.7	10.4	10.9	10.1
1985 .....	10.2	10.9	10.2	10.9	10.7	9.7	10.5	10.6	11.1	10.5	10.1	9.7
1986 .....	10.0	9.9	10.0	9.6	10.0	9.8	9.5	10.1	9.8	8.8	9.8	10.0
1987 .....	9.8	9.6	9.7	9.4	9.5	9.5	9.3	9.0	8.8	8.9	8.5	8.4
<b>Unemployment rate, full-time workers</b>												
1983 .....	10.3	10.4	10.3	10.1	9.9	9.8	9.3	9.4	9.0	8.7	8.3	8.0
1984 .....	7.8	7.5	7.5	7.5	7.2	6.8	7.1	7.2	7.0	7.1	6.9	7.0
1985 .....	7.0	7.0	6.9	6.9	6.8	6.9	7.0	6.8	6.8	6.8	6.7	6.7
1986 .....	6.4	6.8	6.8	6.8	6.9	6.7	6.6	6.5	6.7	6.6	6.6	6.4
1987 .....	6.3	6.2	6.1	5.9	5.9	5.9	5.7	5.6	5.5	5.6	5.5	5.4
<b>Unemployment rate, full-time workers, 16 to 19 years</b>												
1983 .....	25.7	26.4	26.0	25.9	24.3	25.7	26.1	26.4	23.6	23.6	21.5	21.0
1984 .....	20.7	20.3	21.5	21.1	20.0	17.8	19.5	20.6	20.5	19.9	20.6	20.7
1985 .....	20.5	20.1	18.7	17.7	18.8	19.0	21.2	19.8	19.5	21.4	20.0	20.4
1986 .....	20.1	19.6	19.4	20.1	19.7	20.1	19.7	19.6	19.8	18.4	18.9	18.8
1987 .....	18.4	18.9	19.2	18.2	18.5	18.5	16.2	17.0	17.1	17.6	17.0	16.3



9. Unemployment rates by sex, age, race, Hispanic origin, marital status, and full- or part-time status—Continued

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, full-time workers, men, 20 years and over												
1983 .....	9.7	9.9	9.7	9.7	9.6	9.1	8.7	8.8	8.5	8.1	7.8	7.5
1984 .....	7.2	6.9	6.8	6.8	6.4	6.1	6.4	6.4	6.4	6.2	6.1	6.3
1985 .....	6.3	6.2	6.2	6.2	5.9	6.2	6.1	6.0	6.0	6.0	6.0	5.9
1986 .....	5.7	6.1	6.1	6.0	6.2	6.1	6.2	5.9	6.1	6.1	6.1	5.9
1987 .....	5.9	5.8	5.6	5.5	5.5	5.5	5.3	5.2	4.9	5.0	5.0	4.9
Unemployment rate, full-time workers, women, 20 years and over												
1983 .....	9.4	9.3	9.2	8.9	8.8	8.8	8.3	8.2	8.2	7.8	7.5	7.4
1984 .....	7.3	7.1	7.1	7.1	6.9	6.5	7.0	7.0	6.6	7.1	6.6	6.7
1985 .....	6.7	6.8	6.7	6.8	6.8	6.6	6.8	6.7	6.6	6.4	6.5	6.4
1986 .....	6.1	6.6	6.6	6.5	6.6	6.4	6.1	6.1	6.3	6.2	6.1	5.8
1987 .....	5.9	5.8	5.7	5.5	5.4	5.4	5.3	5.3	5.2	5.2	5.2	5.2
Unemployment rate, part-time workers												
1983 .....	10.9	10.3	10.7	10.5	10.8	11.4	10.2	10.1	10.0	9.9	9.8	10.0
1984 .....	9.5	9.5	9.3	9.1	9.1	9.8	9.6	9.6	9.3	9.0	8.8	9.1
1985 .....	9.5	8.8	9.5	9.5	9.9	9.8	9.6	9.0	9.1	9.5	8.7	9.1
1986 .....	8.6	9.4	9.0	9.4	9.1	9.5	9.3	9.2	9.1	9.0	9.2	8.8
1987 .....	8.9	8.8	9.1	8.6	8.7	7.3	8.1	8.2	8.4	8.3	8.2	8.0
Unemployment rate, part-time workers, both sexes, 16 to 19 years												
1983 .....	20.4	18.2	20.6	20.5	20.8	22.1	19.4	19.7	19.6	18.8	18.9	18.7
1984 .....	18.2	18.0	18.1	17.3	17.2	18.9	17.8	17.8	17.8	16.8	14.7	16.8
1985 .....	17.3	16.4	17.7	17.3	18.0	18.2	18.9	16.7	16.6	18.1	16.5	17.6
1986 .....	16.6	17.8	17.0	18.1	17.4	18.4	17.0	17.3	17.6	16.6	17.4	16.1
1987 .....	17.2	17.0	16.6	16.4	16.7	14.5	15.6	15.3	15.8	16.4	16.2	15.5
Unemployment rate, part-time workers, men, 20 years and over												
1983 .....	9.5	9.4	8.8	9.1	9.0	8.6	9.0	8.4	8.7	8.7	8.3	8.2
1984 .....	8.6	8.4	7.9	7.9	8.0	8.8	8.1	7.8	7.1	7.5	7.9	7.8
1985 .....	7.7	7.6	6.9	8.5	8.2	8.0	7.9	7.4	6.7	7.4	7.0	6.8
1986 .....	6.6	6.8	7.1	7.6	7.7	7.6	7.2	7.9	8.2	7.9	7.5	8.0
1987 .....	7.5	7.3	8.2	6.7	7.0	6.1	6.4	6.6	6.2	6.0	5.9	5.7
Unemployment rate, part-time workers, women, 20 years and over												
1983 .....	7.1	7.1	6.9	6.5	6.9	7.6	6.4	6.4	6.2	6.4	6.3	6.8
1984 .....	5.9	6.2	5.9	5.9	5.8	6.3	6.5	6.5	6.3	6.1	6.6	6.2
1985 .....	6.8	5.9	6.7	6.5	6.9	6.8	6.3	6.3	6.7	6.5	5.9	6.2
1986 .....	5.8	6.6	6.1	6.1	5.9	6.1	6.7	6.1	5.5	5.9	6.0	5.7
1987 .....	5.7	5.7	6.3	5.7	5.6	4.3	5.4	5.4	5.9	5.5	5.4	5.5

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**10. Unemployment rates for wage and salary workers by industry**

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, total wage and salary workers</b>												
1983	10.1	10.1	10.0	9.9	9.8	9.5	9.0	9.1	8.7	8.4	8.1	7.9
1984	7.6	7.4	7.3	7.3	7.0	8.7	7.0	7.0	6.9	6.9	6.8	8.9
1985	7.0	6.8	8.7	8.8	6.7	8.9	6.8	6.8	6.8	6.7	6.8	6.6
1986	6.3	6.7	6.7	6.7	8.8	6.6	6.6	6.5	6.5	6.6	6.5	8.3
1987	6.3	6.2	6.1	5.9	5.9	5.8	5.8	5.7	5.5	5.5	5.5	5.4
<b>Unemployment rate, wage and salary workers in agricultural industries</b>												
1983	15.6	16.3	16.1	17.6	17.2	17.3	14.5	15.0	15.8	16.0	15.6	15.7
1984	15.3	13.8	15.1	13.0	14.4	12.7	13.8	12.5	14.0	13.5	11.3	12.7
1985	15.9	13.2	12.8	13.5	12.2	12.9	13.4	13.4	13.0	13.0	12.9	10.7
1986	11.3	13.7	12.1	13.9	16.5	13.9	11.0	13.1	13.2	11.6	9.7	11.5
1987	11.4	11.0	10.8	9.5	9.4	9.3	10.9	10.6	8.6	10.6	11.1	10.9
<b>Unemployment rate, wage and salary workers in nonagricultural industries</b>												
1983	10.0	10.0	9.9	9.8	9.7	9.3	8.9	9.0	8.5	8.3	7.9	7.8
1984	7.5	7.3	7.1	7.2	6.8	6.6	6.9	7.0	6.8	6.8	6.6	6.8
1985	6.8	6.7	6.6	6.7	6.6	6.8	6.7	6.7	6.7	6.6	6.5	6.5
1986	6.2	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.5	6.4	6.2
1987	6.2	6.1	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3
<b>Unemployment rate, government workers in nonagricultural industries</b>												
1983	5.5	5.8	5.8	5.9	5.6	5.3	5.4	5.1	4.9	4.9	4.8	4.9
1984	4.9	4.5	4.5	4.5	4.7	4.3	4.5	4.3	4.5	4.3	4.3	4.5
1985	4.1	3.9	3.9	3.9	3.9	3.9	4.1	3.9	3.8	3.9	3.6	4.0
1986	3.4	3.7	3.9	3.6	3.7	3.6	3.3	3.2	3.5	3.7	3.5	3.5
1987	3.5	3.6	3.5	3.5	3.4	3.4	3.4	3.7	3.4	3.3	3.4	3.2
<b>Unemployment rate, private wage and salary workers in nonagricultural industries</b>												
1983	10.9	10.9	10.8	10.5	10.5	10.1	9.6	9.7	9.2	9.0	8.6	8.4
1984	8.0	7.8	7.6	7.7	7.2	7.0	7.4	7.5	7.2	7.2	7.2	7.3
1985	7.3	7.2	7.2	7.3	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.0
1986	6.6	7.2	7.1	7.2	7.2	7.1	7.2	7.0	7.0	7.0	7.0	6.7
1987	6.7	6.6	6.5	6.3	6.3	6.1	6.1	6.0	5.9	5.9	5.6	5.7
<b>Unemployment rate, private wage and salary workers in nonagricultural goods-producing industries</b>												
1983	14.6	14.7	14.6	14.2	14.2	13.1	12.4	12.6	11.8	10.8	10.3	10.1
1984	9.7	9.3	8.9	9.1	6.7	8.7	9.0	8.9	8.6	8.6	8.6	8.7
1985	8.8	8.9	8.9	9.3	8.2	9.0	9.1	9.0	9.0	8.7	8.8	6.5
1986	8.4	8.6	8.4	6.3	6.7	6.7	8.6	8.4	8.4	8.9	9.1	8.5
1987	6.3	8.0	8.0	7.7	7.7	7.1	7.1	6.9	7.0	7.0	6.5	6.4
<b>Unemployment rate, private wage and salary workers in mining</b>												
1983	18.2	19.1	18.6	19.7	20.7	17.5	17.0	15.4	16.7	12.3	12.8	12.3
1984	11.4	12.4	10.9	9.7	8.6	6.6	7.8	10.7	8.8	11.3	11.8	10.1
1985	10.2	11.4	11.1	10.4	7.4	9.7	9.8	6.3	9.5	8.2	7.7	10.2
1986	10.7	9.9	10.7	12.5	13.6	15.5	16.8	16.0	14.3	14.4	15.7	13.9
1987	14.1	13.0	9.5	11.2	13.0	9.5	7.9	8.6	7.4	6.3	7.0	6.0
<b>Unemployment rate, private wage and salary workers in construction</b>												
1983	20.4	19.8	20.5	20.4	20.2	18.2	17.8	18.0	17.9	15.6	15.2	16.3
1984	15.3	15.0	13.8	14.7	15.0	14.7	14.6	14.2	13.7	13.3	13.9	13.6
1985	13.8	13.4	13.3	13.7	10.5	13.6	13.4	13.3	13.7	13.2	13.2	12.5
1986	13.0	13.2	13.0	12.4	12.9	12.4	13.2	12.4	12.7	13.5	15.0	13.5
1987	12.5	11.7	12.4	12.0	12.1	11.7	10.6	11.3	11.9	11.2	10.6	10.6
<b>Unemployment rate, private wage and salary workers in manufacturing</b>												
1983	13.0	13.3	12.9	12.4	12.4	11.6	10.8	11.1	10.0	9.5	8.9	8.5
1984	8.2	7.7	7.6	7.6	7.1	7.3	7.5	7.4	7.3	7.3	7.1	7.4
1985	7.6	7.6	7.6	6.0	7.7	7.7	8.0	7.9	7.7	7.5	7.6	7.3
1986	7.0	7.2	7.1	7.0	7.3	7.3	7.0	7.0	7.0	7.3	7.1	6.9
1987	6.8	6.8	6.7	6.3	6.3	5.7	6.0	5.6	5.6	5.7	5.3	5.1

10. Unemployment rates for wage and salary workers by industry—Continued

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, private wage and salary workers in durable goods												
1983 .....	14.8	14.8	14.2	13.6	13.4	12.3	11.5	11.5	10.7	10.1	9.1	8.5
1984 .....	8.1	7.5	7.8	7.4	7.0	7.0	6.8	6.8	6.9	6.9	7.1	7.3
1985 .....	7.3	7.2	7.5	7.8	7.6	7.8	7.9	7.8	7.7	7.3	7.7	7.4
1986 .....	7.0	7.3	6.8	6.9	7.1	7.1	6.7	6.9	6.5	7.3	6.7	6.5
1987 .....	6.8	6.7	6.6	6.2	6.2	5.4	6.0	5.5	5.4	5.2	4.8	4.8
Unemployment rate, private wage and salary workers in nondurable goods												
1983 .....	10.4	11.2	11.0	10.7	10.8	10.6	9.7	10.5	8.9	8.6	8.6	8.5
1984 .....	8.4	7.9	7.3	8.0	7.3	7.7	8.6	8.3	8.0	7.8	7.3	7.4
1985 .....	8.0	8.1	7.8	8.4	7.7	7.6	8.1	7.9	7.7	7.8	7.5	7.2
1986 .....	7.1	7.1	7.4	7.1	7.5	7.7	7.3	7.2	7.7	7.2	7.7	7.6
1987 .....	6.7	6.9	7.0	6.4	6.5	6.1	5.9	5.8	5.9	6.5	5.9	5.6
Unemployment rate, private wage and salary workers in nonagricultural service-producing industries												
1983 .....	9.0	8.8	8.7	8.6	8.5	8.5	8.2	8.2	7.9	8.0	7.7	7.5
1984 .....	7.0	7.0	7.0	7.0	6.5	6.1	6.6	6.7	6.5	6.5	6.5	6.5
1985 .....	6.6	6.4	6.3	6.2	6.6	6.4	6.3	6.3	6.3	6.3	6.2	6.3
1986 .....	5.9	6.5	6.4	6.6	6.5	6.3	6.5	6.3	6.2	6.1	5.9	5.9
1987 .....	6.0	5.9	5.8	5.7	5.6	5.7	5.6	5.6	5.3	5.4	5.5	5.3
Unemployment rate, private wage and salary workers in transportation and public utilities												
1983 .....	8.2	7.9	8.2	7.7	7.3	7.8	6.7	7.7	7.0	7.1	6.6	6.5
1984 .....	5.5	5.9	5.4	5.4	5.6	5.2	5.5	6.4	5.8	5.3	5.3	5.2
1985 .....	5.2	5.4	4.5	5.2	5.1	5.1	5.3	4.8	5.4	5.2	5.4	5.1
1986 .....	4.5	5.4	5.9	5.4	5.3	5.2	5.5	4.9	4.8	5.2	4.4	4.6
1987 .....	4.7	4.1	4.5	4.7	4.4	4.8	4.4	4.4	4.1	4.4	4.5	4.6
Unemployment rate, private wage and salary workers in wholesale and retail trade												
1983 .....	10.9	10.9	10.9	10.5	10.2	10.3	9.8	9.9	9.3	9.6	9.2	8.8
1984 .....	8.4	8.3	8.3	8.8	7.9	7.3	7.8	7.8	7.9	7.8	7.7	7.6
1985 .....	7.7	7.7	7.6	7.4	7.7	7.6	7.6	7.8	7.8	7.8	7.5	7.8
1986 .....	7.2	7.8	7.6	8.0	8.0	7.6	7.8	7.5	7.6	7.5	7.2	7.3
1987 .....	7.4	7.2	7.3	7.1	7.0	7.1	6.8	7.0	6.4	6.5	6.8	6.2
Unemployment rate, private wage and salary workers in finance and service industries												
1983 .....	7.6	7.4	7.2	7.3	7.5	7.3	7.2	7.1	7.0	6.9	6.7	6.6
1984 .....	6.3	6.2	6.3	6.1	5.6	5.5	5.8	6.0	5.5	5.8	5.9	6.0
1985 .....	5.9	5.6	5.7	5.6	6.1	5.8	5.5	5.5	5.4	5.5	5.4	5.4
1986 .....	5.3	5.7	5.7	5.8	5.6	5.5	5.6	5.7	5.5	5.4	5.4	5.1
1987 .....	5.2	5.2	4.9	4.8	4.9	4.9	5.1	4.7	4.8	4.7	4.8	4.8

# 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 290,000 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 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 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 through 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 publication. 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 and 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 enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one 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 been 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 persons 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 ori-

gin 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 having 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, 1983. 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 were 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 virtually 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 the 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 emigrants among legal foreign-born residents 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 appear 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 system**

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 system (SIC), as modified in 1977. The adoption of the new system had a much less 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 mo-

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 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

**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 . . . . .	1330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 . . . . .	2333	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

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

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

each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by "central city" and "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 contain 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.

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 undercoverage 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 eight 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; 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 the 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, see Report 640 of that series. A description of the age estimates methodology is available on 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 Effects of Rotation Group Bias on Estimates From Panel Surveys," by Barbara A. Bailar, *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-Hispanic 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-Hispanic 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 Bailar, 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 errors 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.

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 non-consecutive 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

**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

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.

*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

**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	<b>Occupation—Continued</b>		
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	<b>Industry</b>		
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
			Durable goods . . . . .	.34	.38
<b>Occupation</b>			Nondurable goods . . . . .	.42	.48
Executive, administrative, and managerial . . . . .	.21	.24	Transportation, communications, and public utilities . . . . .	.41	.46
Professional specialty . . . . .	.18	.20	Wholesale and retail trade . . . . .	.26	.29
Technicians and related support . . . . .	.49	.55	Finance and services . . . . .	.20	.22
Sales . . . . .	.29	.32	Government workers . . . . .	.18	.19
Administrative support, including clerical . . . . .	.24	.26	Agricultural wage and salary workers . . . . .	1.22	1.40
Private household . . . . .	1.07	1.20			
Protective service . . . . .	.67	.76			
Service, except private household and protective . . . . .	.38	.43			

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.

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

**Table D. Standard errors for estimates of monthly level**

(in thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	Agricultural employment	Unemployment		Labor force data other than agricultural employment and unemployment					
		Total or white	Black	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
50 . . . . .	14	11	11	11	11	11	11	10	10
100 . . . . .	19	15	16	15	15	15	15	14	14
500 . . . . .	43	33	35	34	34	33	29	32	31
1,000 . . . . .	61	47	49	48	47	46	33	45	42
2,000 . . . . .	85	66	67	68	64	63	33	63	55
4,000 . . . . .	120	93	88	95	84	80	-	87	65
6,000 . . . . .	146	113	99	116	94	86	-	106	58
8,000 . . . . .		129	-	133	97	83	-	120	24
10,000 . . . . .		143	-	147	94	70	-	133	24
15,000 . . . . .		172	-	177	49	70	-	157	-
20,000 . . . . .		195	-	201	49	-	-	174	-
30,000 . . . . .		-	-	236	-	-	-	195	-
40,000 . . . . .		-	-	261	-	-	-	202	-
50,000 . . . . .		-	-	278	-	-	-	196	-
60,000 . . . . .		-	-	288	-	-	-	176	-
70,000 . . . . .		-	-	293	-	-	-	137	-
80,000 . . . . .		-	-	293	-	-	-	137	-
100,000 . . . . .		-	-	275	-	-	-	-	-
140,000 . . . . .		-	-	231	-	-	-	-	-

<sup>1</sup> 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

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



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

(in thousands)

Estimated monthly level	Characteristic <sup>1</sup>							
	Unemployment				Labor force data other than unemployment and agricultural employment			
	Total or white	Both sexes 16 to 19 years, or part-time labor force <sup>2</sup>	Black	Black, 16 to 19 years	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years
50 . . . . .	12	13	12	13	8	8	13	13
100 . . . . .	16	18	17	18	11	11	18	18
500 . . . . .	37	40	38	35	25	25	40	34
1,000 . . . . .	51	54	52	38	36	35	55	36
2,000 . . . . .	72	70	69	-	50	47	74	36
4,000 . . . . .	99	78	85	-	70	62	93	-
6,000 . . . . .	118	60	87	-	86	70	97	-
8,000 . . . . .	132	-	-	-	98	73	90	-
10,000 . . . . .	143	-	-	-	109	71	90	-
15,000 . . . . .	160	-	-	-	131	42	90	-
20,000 . . . . .	165	-	-	-	149	42	-	-
30,000 . . . . .	-	-	-	-	175	-	-	-
40,000 . . . . .	-	-	-	-	194	-	-	-
50,000 . . . . .	-	-	-	-	207	-	-	-
60,000 . . . . .	-	-	-	-	215	-	-	-
70,000 . . . . .	-	-	-	-	219	-	-	-
80,000 . . . . .	-	-	-	-	219	-	-	-
100,000 . . . . .	-	-	-	-	208	-	-	-
140,000 . . . . .	-	-	-	-	179	-	-	-

<sup>1</sup> See footnote 1, table D.

<sup>2</sup> 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.

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  $0.12 \times 1.40 \doteq 0.17$  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:

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

X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the corre-

lation 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 0.30 for persons (total, white, and black) and 0.35 for families (total, white, and black). The respective values for estimates of Hispanics are 0.45 and 0.55.

*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 F. Standard errors for unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	.	2	5	10	15	20	25	30	35	50
50 . . . . .	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.51	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
140,000 . . . . .	.04	.06	.09	.12	.14	.16	.17	.18	.19	.20

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	.	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	14.38
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	1.26
10,000 . . . . .	.16	.23	.36	.50	.60	.68	.75	.80	.85	.94
20,000 . . . . .	.12	.16	.25	.35	.42	.47	.51	.54	.57	
60,000 . . . . .	.07	.09	.14	.19	.22	.23	.24			
100,000 . . . . .	.05	.07	.11	.14	.15	.15				
140,000 . . . . .	.04	.06	.09							

**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:			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:					
Total or white . . . . .	1.30	.88	.88	.67	.70
Black 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 levels, 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	64	127	88
10,000 .	149	165	102	144	157	155		145	
15,000 .	180	198	102	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		233	201	174		242	
50,000 .	296	301		-	160	100		249	
75,000 .	331	304			160			-	
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 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 also are 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 non-manufacturing 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 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, inspecting, receiving, storing, 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 operations.

*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 differ-

ent 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 work 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 production worker, construction worker, or nonsupervisory employee definitions.

*Average hourly earnings, including lump-sum wage payments.* This series is compiled only for aircraft manufactur-

ing , 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 establishment and/or by region, and the stratified production or non-supervisory worker data are used to weight the hours and earnings for aggregation 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 1986 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 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained

**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. <sup>1</sup>	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees . . .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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.

<sup>1</sup> 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.

<sup>2</sup> 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.



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 1986 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.

## THE SAMPLE

### Design

The sampling plan used in the establishment survey 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

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1986**

Industry	Benchmark	Estimate	Percent difference
Total	98,150	98,617	-0.5
Mining	832	842	-1.2
Construction	4,415	4,441	-6
Manufacturing	18,945	19,148	-1.1
Transportation and public utilities	5,200	5,215	-3
Wholesale trade	5,695	5,803	-1.9
Retail trade	17,327	17,418	-5
Finance, insurance, and real estate	6,140	6,144	-1
Services	22,650	22,593	3
Government	16,946	17,013	-4

<sup>1</sup>Less than 0.05 percent.

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 establishment survey 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.

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1986<sup>1</sup>**

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	249,800	37,762,000	38
Mining	3,700	319,000	38
Construction	23,100	840,000	19
Manufacturing	51,100	10,018,000	53
Transportation and public utilities	11,600	2,380,000	46
Wholesale trade	21,900	978,000	17
Retail trade	42,900	3,352,000	19
Finance, insurance, and real estate	17,700	2,135,000	35
Services	53,300	5,362,000	24
Government:			
Federal <sup>2</sup>	5,000	2,908,000	100
State	4,800	3,194,000	80
Local	14,700	6,276,000	62

<sup>1</sup> 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.

<sup>2</sup> 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 5,000 reports covering about 62 percent of employment in Federal establishments.

## Reliability

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may 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

**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 <sup>1</sup>	Relative error <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total	0.2		
Total private	.3	0.1	0.2
Mining	2.7	1.0	1.3
Construction	1.2	.2	.5
Manufacturing	.7	.1	.2
Durable goods	.8	.1	.3
Nondurable goods	.7	.1	.2
Transportation and public utilities	.4	.7	.6
Wholesale trade	.7	.2	.4
Retail trade	1.0	.2	.4
Finance, insurance, and real estate	.2	.2	.4
Services	.2	.4	.6
Government <sup>3</sup>	.4	—	—

<sup>1</sup> The average percent revision in employment for the 1982-86 benchmarks.

<sup>2</sup> Relative errors relate to 1982 data.

<sup>3</sup> 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.

relative errors of the estimate. (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:

$$RMSE = \sqrt{(\text{standard deviation})^2 + (\text{bias})^2}$$

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 are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas.

**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 <sup>1</sup>	Relative error <sup>2</sup> (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

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

<sup>2</sup> Relative errors relate to 1982 data.

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 at 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.

**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 . . . . .	110,800	104,900	Nondurable goods—Continued		
Total private <sup>1</sup> . . . . .	67,400	61,600	Chemicals and allied products . . . . .	2,400	2,300
Goods producing . . . . .	29,300	24,100	Petroleum and coal products . . . . .	1,300	1,300
Mining . . . . .	5,300	5,100	Rubber and misc. plastics products . . . . .	2,100	2,000
Oil and gas extraction . . . . .	4,200	4,100	Leather and leather products . . . . .	2,300	2,200
Construction . . . . .	18,100	14,000	Service-producing industries . . . . .	100,500	98,400
General building contractors . . . . .	6,500	4,900	Transportation and public utilities . . . . .	15,700	13,800
Manufacturing . . . . .	22,800	22,800	Transportation . . . . .	18,200	17,400
Durable goods . . . . .	18,500	17,500	Communication and public utilities . . . . .	6,600	6,200
Lumber and wood products . . . . .	3,100	2,600	Wholesale trade . . . . .	9,000	8,000
Furniture and fixtures . . . . .	2,000	1,800	Durable goods . . . . .	5,800	5,100
Stone, clay, and glass products . . . . .	2,200	2,100	Nondurable goods . . . . .	5,300	4,500
Primary metal industries . . . . .	6,100	5,900	Retail trade . . . . .	37,500	34,600
Blast furnaces and basic steel products . . . . .	4,900	4,600	General merchandise stores . . . . .	20,700	18,700
Fabricated metal products . . . . .	3,300	2,900	Food stores . . . . .	6,400	5,800
Machinery, except electrical . . . . .	7,200	6,400	Automotive dealers and service stations . . . . .	3,200	3,000
Electrical and electronic equipment . . . . .	5,600	6,000	Eating and drinking places . . . . .	17,600	15,200
Transportation equipment . . . . .	9,200	8,800	Finance, insurance, and real estate . . . . .	8,400	7,400
Motor vehicles and equipment . . . . .	8,100	8,600	Finance . . . . .	4,500	3,800
Instruments and related products . . . . .	2,100	2,200	Insurance . . . . .	3,000	2,300
Miscellaneous manufacturing . . . . .	2,000	2,000	Real estate . . . . .	4,800	4,100
Nondurable goods . . . . .	9,900	9,500	Services . . . . .	33,200	30,500
Food and kindred products . . . . .	6,300	6,400	Business services . . . . .	12,200	10,800
Tobacco manufactures . . . . .	1,700	1,600	Health services . . . . .	10,600	10,400
Textile mill products . . . . .	2,200	2,300	Government . . . . .	73,700	68,400
Apparel and other textile products . . . . .	6,300	5,600	Federal . . . . .	17,400	11,300
Paper and allied products . . . . .	1,500	1,300	State . . . . .	24,600	23,000
Printing and publishing . . . . .	2,200	2,100	Local . . . . .	35,200	32,800

NOTE: Data are based on differences from December 1981 through December 1986.

## 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 com-

puted 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 over 2,600 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 1980 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 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.”

3. *Monthly reconciliation with the CPS*. Each month correction factors for employment and unemployment are applied at the State level to 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). The adjustment is necessary because the State-prepared estimates are not as reliable as the CPS data due to differences in the State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

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 substate 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 used directly. This adjustment is made because the State-prepared monthly estimates are not as reliable as the CPS annual averages due to the limitations of the 6-month moving average adjustment procedure. Revisions to the inputs used in the UI-based estimates are also made at the time of the annual benchmark.

The State wide 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 for which CPS estimates are used 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, January 1983. 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 method 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 1987 and projected data through March 1988. 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 nonsupervisory 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 unadjust-

ed 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 1987. Seasonal adjustment factors to be used for current adjustment appear in the June 1987 issue of *Employment and Earnings*.

# U.S. Department of Labor Bureau of Labor Statistics

REGION I - BOSTON John Fitzgerald Kennedy Federal Building Suite 1603 Boston, MA 02203	REGION II - NEW YORK 201 Varick Street New York, NY 10014	REGION III - PHILADELPHIA 3535 Market Street P.O. Box 13309 Philadelphia, PA 19101	REGION IV - ATLANTA Suite 540 1371 Peachtree Street, NE. Atlanta, GA 30367
REGION V - CHICAGO 9th Floor 230 S. Dearborn Street Chicago, IL 60604	REGION VI - DALLAS Room 221 525 Griffin Street Dallas, TX 75202	REGIONS VII and VIII - KANSAS CITY 15th Floor 911 Walnut Street Kansas City, MO 64106	REGIONS IX and X - SAN FRANCISCO 71 Stevenson Street P.O. Box 3766 San Francisco, CA 94119

## COOPERATING STATE AGENCIES

### *Current Employment Statistics Program (CES), and State and Local Area Unemployment Statistics Program (LAUS)*

BLS Region	
IV ALABAMA	-Research and Statistics Div., Depart. of Industrial Relations, Industrial Relations Building, Room 427, Montgomery 36130
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 25501, Juneau 99802
IX ARIZONA	-Department of Economic Security, 733-A, P.O. Box 6123, Phoenix 85005
VI ARKANSAS	-Employment Security Division, Department of Labor, State Capitol Mall, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Data and Research Div., Employment Development Depart., P.O. Box 1679, Sacramento 95808.
VIII COLORADO	-Division of Employment and Training, 1330 Fox Street, Denver 80204
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, University Plaza Office Complex, P.O. Box 9029, Newark 19711
III DIST. OF COL.	-Division of Labor Market Information, Research and Analysis, Department of Employment Services, 500 C Street N.W., Room 411, Washington 20001
IV FLORIDA	-Bureau of Research and Information, Depart. of Labor and Employment Security, 2574 Seagate Drive, Tallahassee 32301
IV GEORGIA	-Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, 830 Punchbowl Street, Room 304, Honolulu 96813
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83735
V ILLINOIS	-Bureau of Employment Security, 910 South Michigan Avenue, 12th Floor, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Department of Job Service, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Department of Human Resources, 401 Topeka Avenue, Topeka 66603
IV KENTUCKY	-Research and Analysis Division, Department of Human Resources, 275 E. Main Street, Frankfort 40621
VI LOUISIANA	-Department of Labor, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Division of Research and Analysis, Department of Labor, 20 Union Street, Augusta 04330
III MARYLAND	-Research and Analysis Division, Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Building, Government Center, Boston 02114
V MICHIGAN	-Research and Statistics Division, Employment Security Commission, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Jobs and Training, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Labor Market Information Department, Employment Security Commission, P.O. Box 1699, Jackson 39215-1699
VII MISSOURI	-Division of Employment Security, P.O. Box 59, Jefferson City 65104
VIII MONTANA	-Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, Lincoln 68509
IX NEVADA	-Employment Security Department, 500 East Third Street, Carson City 89713
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Division of Planning and Research, Department of Labor, P.O. Box 2765, Trenton 08625
VI NEW MEXICO	-Employment Services Division, Employment Security Department, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Research and Statistics, Department of Labor, State Campus, Building 12, Albany 12240
IV NORTH CAROLINA	-Labor Market Information Division, Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Job Service, P.O. Box 1537, Bismarck 58502
V OHIO	-Labor Market Information Division, Bureau of Employment Services, P.O. Box 1618, Columbus 43216
VI OKLAHOMA	-Research and Planning Division, Employment Security Commission, 310 Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 Union Street N.E., Salem 97311
III PENNSYLVANIA	-Research and Statistics Division, Department of Labor and Industry, 7th and Forster Streets, Harrisburg 17121
II PUERTO RICO	-Department of Labor and Human Resources, Bureau of Labor Statistics, 505 Munoz Rivera Ave., 17th Fl., Hato Rey 00918 (CES). Bureau of Employment Security, 505 Munoz Rivera Ave., 15th Fl., Hato Rey 00918 (LAUS)
I RHODE ISLAND	-Department of Employment Security, 24 Mason Street, Providence 02903
IV SOUTH CAROLINA	-Employment Security Commission, P. O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Cordell Hull Office Building, Room 519, Nashville 37219
VI TEXAS	-Employment Commission, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment and Training, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Analysis, Employment Commission, P.O. Box 1358, Richmond 23211
II VIRGIN ISLANDS	-Bureau of Labor Statistics, Department of Labor, P.O. Box 818, St. Thomas 00801
X WASHINGTON	-Employment Security Department, 212 Maple Park, Olympia 98504
III WEST VIRGINIA	-Division of Labor and Economic Security, Depart. of Employment Security, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82602