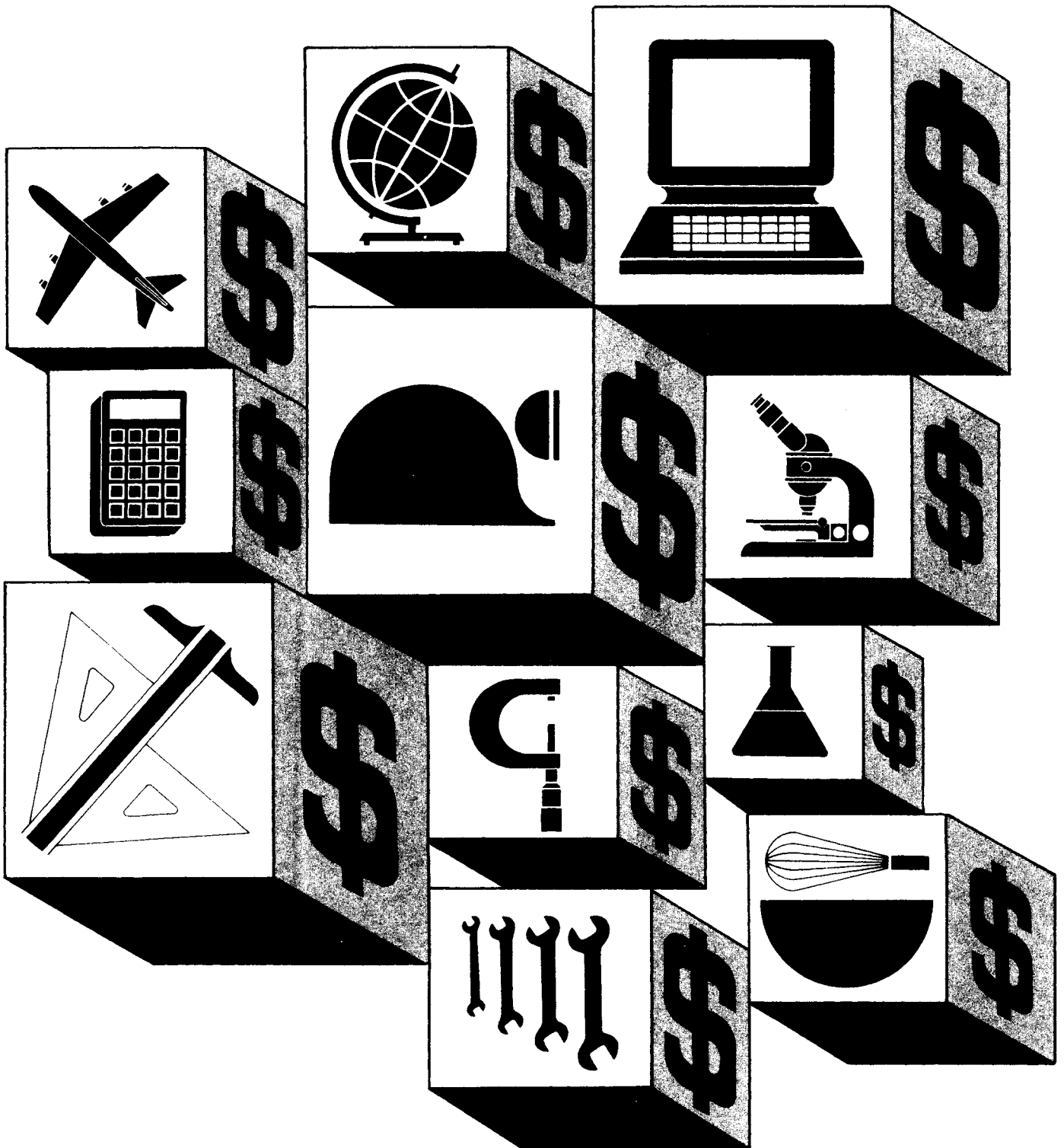




EMPLOYMENT AND EARNINGS

U.S. Department of Labor
Bureau of Labor Statistics
April 1990





U.S. DEPARTMENT OF LABOR
Elizabeth Dole, Secretary

Calendar of Features

BUREAU OF LABOR STATISTICS
Janet L. Norwood, *Commissioner*

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

Establishment data

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

State and area labor force data

Annual averages	May
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¹ The latest supplement was published in August 1989.

Employment and Earnings

Vol. 37 No. 4 April 1990

Editors: Gloria Peterson Green, Rosalie K. Epstein

Contents

	<i>Page</i>
List of statistical tables	2
Employment and unemployment developments, March 1990	5
Statistical tables:	
Historical—	
Household data	7
Establishment data:	
Employment	77
Hours and earnings	113
Not seasonally adjusted—	
Household data	10
Quarterly averages	54
Establishment data:	
Employment:	
National	78
State and area	94
Hours and earnings:	
National	116
State and area	138
State and area labor force data	147
Seasonally adjusted—	
Household data	37
Quarterly averages	44
Establishment data:	
Employment	90
Hours and earnings	135
Productivity data	143
Explanatory notes	153

MONTHLY HOUSEHOLD DATA

Page

Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1956 to date	7
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1979 to date	8
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1956 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 age and sex	13
A- 6.	Employment status of the civilian noninstitutional population by race, sex, and age	14
A- 7.	Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin	15
A- 8.	Employment status of male Vietnam-era veterans and nonveterans by age	17
A- 9.	Employed and unemployed full- and part-time workers by sex, age, and race	18
A-10.	Employment status of persons in families by family relationship	19

Characteristics of the Unemployed

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

Characteristics of the Employed

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

Seasonally Adjusted Employment and Unemployment Data

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

QUARTERLY HOUSEHOLD DATA

Page

Seasonally Adjusted Employment and Unemployment Data

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

Persons Not in the Labor Force

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

Race and Hispanic-Origin Data

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

Vietnam-era Veterans and Nonveterans Data

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

Family Relationship and Weekly Earnings Data

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

Metropolitan-nonmetropolitan and Poverty-nonpoverty Area Data

A-76.	Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin	73
A-77.	Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin	75

MONTHLY ESTABLISHMENT DATA

Page

Employment—National

B- 1.	Employees on nonagricultural payrolls by major industry, 1938 to date	77
B- 2.	Employees on nonagricultural payrolls by detailed industry	78
B- 3.	Women employees on nonagricultural payrolls by major industry and manufacturing group	89
B- 4.	Employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	90
B- 5.	Women employees on nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	91
B- 6.	Production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	92
B- 7.	Diffusion indexes of employment change, seasonally adjusted	93

Employment—States and Areas

B- 8.	Employees on nonagricultural payrolls in States and selected areas by major industry	94
-------	--	----

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	113
C- 2.	Average hours and earnings of production or nonsupervisory workers on private nonagricultural payrolls by detailed industry	116
C- 2a.	Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing	132
C- 3.	Average hourly earnings, excluding overtime, of production workers on manufacturing payrolls	133
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	134
C- 5.	Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	135
C- 6.	Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted	136
C- 7.	Average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls, seasonally adjusted	137

Hours and Earnings—States and Areas

C- 8.	Average hours and earnings of production workers on manufacturing payrolls in States and selected areas	138
-------	--	-----

PRODUCTIVITY DATA

C- 9.	Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted	143
C-10.	Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted	144
C-11.	Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates	145

MONTHLY STATE AND AREA LABOR FORCE DATA

D- 1.	Labor force status by State and selected metropolitan areas	147
-------	---	-----

Employment and Unemployment Developments, March 1990

Unemployment was about unchanged in March. The overall jobless rate was 5.1 percent and the civilian worker rate was 5.2 percent. These rates have changed very little in the last year and a half.

After showing marked strength in January and February, private sector employment, as reported by the survey of business establishments, showed no growth in March. Government employment was buoyed by hiring for the decennial census. The household survey did register a gain in March, but growth as measured by that survey has lagged far behind that from the payroll survey for some time.

Unemployment

The number of unemployed persons was little changed in March at 6.5 million, seasonally adjusted, and the unemployment rate was about unchanged at 5.2 percent. The jobless rates for all major worker groups—whites (4.5 percent), blacks (10.6 percent), Hispanics (7.7 percent), adult men (4.5 percent), adult women (4.7 percent), and teenagers (14.4 percent)—were also about unchanged in March. (See tables A-33 and A-34.)

There were 1.3 million persons in March who had been jobless for 15 weeks or longer, representing 20 percent of the unemployed total. The median duration was a comparatively low 5.1 weeks, meaning that half of the unemployed had been looking for work for less than this time and half for longer. (See table A-40.)

Civilian employment and the labor force

Total civilian employment rose slightly in March to 118.3 million, seasonally adjusted, and the employment-population ratio, at 63.1 percent, equaled the all-time high reached last June. Over the past year, total employment increased by only 1.2 million (versus 2.5 million, as measured by the survey of businesses). (See table A-33.)

The civilian labor force (124.8 million) edged up over the month, while the labor force participation rate (66.6 percent) was about unchanged. Over the year, the labor force rose by nearly 1.6 million. (See table A-33.)

Discouraged workers

At a seasonally adjusted level of 750,000 in the first quarter, the number of discouraged workers—persons who report they want to work but are not looking for jobs because

they believe they could not find any—was slightly lower than in the fourth quarter of 1989. Over the year, the number of discouraged workers has declined by about 100,000 to the lowest level since 1979. About two-thirds of the total cited job-market conditions for not seeking work, while the remainder cited personal factors (such as age or lack of education). Blacks and women make up a disproportionately large share of all discouraged workers. (See table A-53.)

Industry payroll employment

Total nonfarm employment was about unchanged in March, after seasonal adjustment, at a level of 110.3 million. This followed unusually large job gains in January and February. (See table B-4.)

In the goods-producing sector, construction employment fell by 65,000, after seasonal adjustment. This followed very sizable employment increases (seasonally adjusted) in the first 2 months of this year, when mild weather allowed builders to retain more workers than usual through the winter months.

Manufacturing employment declined by 30,000, seasonally adjusted, continuing the pattern of weakness that has characterized the industry over the past year. Small declines were widespread, although auto employment, which had declined markedly in the second half of 1989, held steady in March. Overall, manufacturing has lost nearly 250,000 jobs since reaching a post-recession high in March 1989, with most of the weakness occurring in the major metal and metal-using industries within durable goods.

In the service-producing sector, government employment advanced by 75,000 in March, primarily reflecting the hiring of workers to assist in conducting the 1990 census. The services industry added 50,000 jobs, mostly in health services. The overall services increase, which was much smaller than average for the industry, followed 2 months of strong job growth. Small job gains (about 10,000 each) also occurred in wholesale trade and in the insurance component of the finance, insurance, and real estate industry. Retail trade employment declined for the second straight month, falling by 25,000 in March; despite a large increase in January, job growth in this industry thus far in 1990 is well below last year's pace. Finally, growth was held down in transportation and public utilities because of a bus strike.

Weekly hours

The average workweek for production or nonsupervisory

workers on private nonfarm payrolls was unchanged in March at 34.6 hours, seasonally adjusted. The manufacturing workweek was also unchanged, at 40.7 hours, while factory overtime edged up 0.1 hour to 3.7 hours. (See table C-5.)

The index of aggregate weekly hours of private production or nonsupervisory workers was unchanged in March at 130.1 (1977=100), after seasonal adjustment. The index for manufacturing edged down over the month to 94.2. (See table C-6.)

Hourly and weekly earnings

Both average hourly and weekly earnings of private production or nonsupervisory workers rose by 0.4 percent in March, after seasonal adjustment. Prior to seasonal adjustment, average hourly earnings rose 2 cents to \$9.93 and average weekly earnings increased \$1.68 to \$341.59. Over the year, both average hourly and weekly earnings increased by 3.9 percent. (See tables C-1 and C-7.)

Note on temporary census workers

The hiring of temporary workers for the 1990 decennial census affects current levels of Federal Government employment and higher aggregates. Estimates of these workers are 22,000, 27,000, and 85,000 in January, February, and March 1990, respectively. Preliminary employment estimates ("B" tables) that include these workers may be subject to larger than normal revisions.

Scheduled Release Dates

Employment and unemployment data are scheduled for initial release on the following dates:

<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
April	May 4	July	August 3
May	June 1	August	September 7
June	July 6	September	October 5

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1956 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402	
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 ²	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ²	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	105,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
1987	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888	
1988	186,322	123,378	66.2	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944	
1989	188,081	125,557	66.8	119,030	1,688	117,342	3,199	114,142	6,528	5.2	62,523	
Monthly data, seasonally adjusted²												
1989:												
March	187,581	124,929	66.6	118,731	1,684	117,047	3,185	113,862	6,198	5.0	62,652	
April	187,708	125,299	66.8	118,768	1,684	117,084	3,144	113,940	6,531	5.2	62,409	
May	187,854	125,224	66.7	118,805	1,673	117,132	3,137	113,995	6,419	5.1	62,630	
June	187,995	125,777	66.9	119,208	1,666	117,542	3,138	114,404	6,569	5.2	62,218	
July	188,149	125,679	66.8	119,102	1,666	117,436	3,217	114,219	6,577	5.2	62,470	
August	188,286	125,758	66.8	119,238	1,688	117,550	3,275	114,275	6,520	5.2	62,528	
September	188,428	125,725	66.7	119,121	1,702	117,419	3,219	114,200	6,604	5.3	62,703	
October	188,580	125,857	66.7	119,294	1,709	117,585	3,197	114,388	6,563	5.2	62,723	
November	188,721	126,192	66.9	119,540	1,704	117,836	3,160	114,676	6,652	5.3	62,529	
December	188,865	126,246	66.8	119,588	1,700	117,888	3,197	114,691	6,658	5.3	62,619	
1990:												
January	188,990	126,094	66.7	119,560	1,697	117,863	3,134	114,728	6,535	5.2	62,896	
February	189,090	126,308	66.8	119,713	1,678	118,035	3,079	114,957	6,594	5.2	62,782	
March	189,198	126,498	66.9	120,003	1,669	118,334	3,200	115,133	6,495	5.1	62,700	

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

² The population and Armed Forces figures are not adjusted for

seasonal variation.

NOTE: Revisions of seasonally adjusted monthly and quarterly data (shown in tables A-1 through A-3 and A-32 through A-53) 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, 1979 to date

(Numbers in thousands)

Sex, year, and month	Noninsti- tutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultu- ral industries				
Annual averages												
MEN												
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293	
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484	
1984	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771	
1985	86,025	65,967	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058	
1986 ¹	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376	
1987	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692	
1988	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930	
1989	90,283	69,360	76.8	65,835	1,520	64,315	2,513	61,802	3,525	5.1	20,923	
Monthly data, seasonally adjusted²												
1989:												
March	90,032	69,100	76.8	65,814	1,521	64,293	2,495	61,798	3,286	4.8	20,932	
April	90,094	69,293	76.9	65,727	1,521	64,206	2,460	61,746	3,566	5.1	20,801	
May	90,167	69,142	76.9	65,713	1,511	64,202	2,465	61,737	3,429	5.0	21,025	
June	90,237	69,542	77.1	66,078	1,501	64,577	2,480	62,097	3,464	5.0	20,695	
July	90,315	69,366	76.8	65,939	1,499	64,440	2,539	61,901	3,427	4.9	20,949	
August	90,384	69,404	76.8	65,919	1,519	64,400	2,592	61,808	3,485	5.0	20,980	
September	90,456	69,360	76.7	65,681	1,531	64,150	2,520	61,630	3,679	5.3	21,096	
October	90,535	69,599	76.9	66,046	1,533	64,513	2,513	62,000	3,553	5.1	20,936	
November	90,606	69,635	76.9	66,011	1,529	64,482	2,477	62,005	3,624	5.2	20,971	
December	90,678	69,725	76.9	66,143	1,525	64,618	2,535	62,083	3,582	5.1	20,953	
1990:												
January	90,772	69,539	76.6	65,943	1,523	64,420	2,501	61,918	3,597	5.2	21,233	
February	90,822	69,639	76.7	66,108	1,506	64,602	2,461	62,141	3,530	5.1	21,183	
March	90,874	69,712	76.7	66,208	1,497	64,711	2,499	62,212	3,505	5.0	21,162	
Annual averages												
WOMEN												
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608	
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686	
1986 ¹	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
1987	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195	
1988	96,918	54,904	56.6	51,858	162	51,696	676	51,020	3,046	5.5	42,014	
1989	97,798	56,198	57.5	53,195	168	53,027	687	52,341	3,003	5.3	41,601	
Monthly data, seasonally adjusted²												
1989:												
March	97,550	55,829	57.2	52,917	163	52,754	690	52,064	2,912	5.2	41,721	
April	97,614	56,006	57.4	53,041	163	52,878	684	52,194	2,965	5.3	41,608	
May	97,687	56,082	57.4	53,092	162	52,930	672	52,258	2,990	5.3	41,605	
June	97,758	56,235	57.5	53,130	165	52,965	658	52,307	3,105	5.5	41,523	
July	97,834	56,313	57.6	53,163	167	52,996	678	52,318	3,150	5.6	41,521	
August	97,902	56,354	57.6	53,319	169	53,150	683	52,467	3,035	5.4	41,548	
September	97,972	56,365	57.5	53,440	171	53,269	699	52,570	2,925	5.2	41,607	
October	98,045	56,258	57.4	53,248	176	53,072	684	52,388	3,010	5.4	41,787	
November	98,115	56,557	57.6	53,529	175	53,354	683	52,671	3,028	5.4	41,558	
December	98,187	56,521	57.6	53,445	175	53,270	662	52,608	3,076	5.4	41,666	
1990:												
January	98,218	56,555	57.6	53,617	174	53,443	633	52,810	2,938	5.2	41,663	
February	98,268	56,669	57.7	53,605	172	53,433	618	52,815	3,064	5.4	41,599	
March	98,324	56,785	57.8	53,795	172	53,623	702	52,921	2,990	5.3	41,539	

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

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

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1956 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								
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 ¹	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
1989	186,393	123,869	66.5	117,342	6,528	5.3	5.2	5.4
Monthly data, seasonally adjusted ²								
1989:								
March	185,897	123,245	66.3	117,047	6,198	5.0	4.9	5.2
April	186,024	123,615	66.5	117,084	6,531	5.3	5.3	5.3
May	186,181	123,551	66.4	117,132	6,419	5.2	5.1	5.3
June	186,329	124,111	66.6	117,542	6,569	5.3	5.1	5.5
July	186,483	124,013	66.5	117,436	6,577	5.3	5.0	5.6
August	186,598	124,070	66.5	117,550	6,520	5.3	5.1	5.4
September	186,726	124,023	66.4	117,419	6,604	5.3	5.4	5.2
October	186,871	124,148	66.4	117,585	6,563	5.3	5.2	5.4
November	187,017	124,488	66.6	117,836	6,652	5.3	5.3	5.4
December	187,165	124,546	66.5	117,888	6,658	5.3	5.3	5.5
1990:								
January	187,293	124,397	66.4	117,863	6,535	5.3	5.3	5.2
February	187,412	124,630	66.5	118,035	6,594	5.3	5.2	5.4
March	187,529	124,829	66.6	118,334	6,495	5.2	5.1	5.3

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

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	March 1990										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	187,529	123,789	66.0	117,093	6,697	5.4	63,740	26,414	8,981	3,700	24,644
16 to 19 years	13,914	7,135	51.3	6,095	1,040	14.6	6,779	356	5,754	42	628
16 to 17 years	6,624	2,688	40.6	2,231	457	17.0	3,936	90	3,620	5	221
18 to 19 years	7,290	4,447	61.0	3,864	583	13.1	2,843	265	2,134	37	406
20 to 24 years	17,829	13,584	76.2	12,419	1,164	8.6	4,246	1,505	2,011	94	636
25 to 54 years	104,982	87,657	83.5	83,710	3,947	4.5	17,325	11,546	1,182	1,494	3,102
25 to 34 years	42,814	35,872	83.8	33,873	1,999	5.6	6,941	4,730	798	362	1,052
25 to 29 years	20,920	17,530	83.8	16,449	1,081	6.2	3,391	2,203	522	163	503
30 to 34 years	21,893	18,342	83.8	17,424	919	5.0	3,551	2,527	276	199	549
35 to 44 years	36,910	31,517	85.4	30,264	1,253	4.0	5,393	3,667	292	493	942
35 to 39 years	19,706	16,810	85.3	16,087	723	4.3	2,897	2,021	181	219	475
40 to 44 years	17,204	14,708	85.5	14,177	530	3.6	2,497	1,645	111	274	467
45 to 54 years	25,258	20,268	80.2	19,573	695	3.4	4,990	3,150	92	639	1,109
45 to 49 years	13,828	11,464	82.9	11,035	429	3.7	2,363	1,526	69	288	480
50 to 54 years	11,430	8,803	77.0	8,538	266	3.0	2,627	1,624	23	351	629
55 to 64 years	21,238	11,804	55.6	11,375	429	3.6	9,434	4,417	22	884	4,111
55 to 59 years	10,560	7,047	66.7	6,782	265	3.8	3,513	1,933	15	419	1,145
60 to 64 years	10,678	4,757	44.5	4,593	164	3.4	5,921	2,484	7	464	2,966
65 years and over	29,566	3,610	12.2	3,494	116	3.2	25,956	8,591	12	1,186	16,167
65 to 69 years	10,134	2,200	21.7	2,132	69	3.1	7,933	2,688	7	292	4,946
70 to 74 years	7,859	902	11.5	873	29	3.2	6,958	2,290	2	243	4,422
75 years and over	11,573	508	4.4	489	19	3.7	11,066	3,613	3	651	6,799
Men											
16 years and over	89,377	67,583	75.6	63,735	3,847	5.7	21,795	573	4,475	2,069	14,677
16 to 19 years	6,999	3,651	52.2	3,081	570	15.6	3,348	15	2,980	18	335
16 to 17 years	3,386	1,359	40.1	1,128	231	17.0	2,027	11	1,892	3	120
18 to 19 years	3,614	2,292	63.4	1,953	339	14.8	1,322	4	1,088	15	215
20 to 24 years	8,662	7,162	82.7	6,488	674	9.4	1,501	38	1,030	56	378
25 to 54 years	51,377	47,975	93.4	45,713	2,262	4.7	3,402	257	456	974	1,714
25 to 34 years	21,062	19,815	94.1	18,677	1,139	5.7	1,247	90	336	238	582
25 to 29 years	10,259	9,581	93.4	8,958	623	6.5	679	48	242	102	287
30 to 34 years	10,803	10,235	94.7	9,718	516	5.0	568	42	95	136	296
35 to 44 years	18,065	17,075	94.5	16,380	696	4.1	989	82	94	327	485
35 to 39 years	9,677	9,205	95.1	8,813	392	4.3	472	33	58	149	231
40 to 44 years	8,388	7,870	93.8	7,567	304	3.9	517	49	36	178	254
45 to 54 years	12,250	11,085	90.5	10,657	427	3.9	1,165	85	25	409	646
45 to 49 years	6,736	6,194	92.0	5,927	266	4.3	542	43	17	182	300
50 to 54 years	5,514	4,891	88.7	4,730	161	3.3	624	42	8	228	346
55 to 64 years	10,005	6,699	67.0	6,416	283	4.2	3,306	92	5	537	2,672
55 to 59 years	5,020	3,988	79.4	3,812	176	4.4	1,032	34	2	261	735
60 to 64 years	4,985	2,711	54.4	2,604	107	3.9	2,274	57	3	276	1,937
65 years and over	12,334	2,096	17.0	2,037	58	2.8	10,238	172	5	484	9,577
65 to 69 years	4,603	1,241	27.0	1,209	32	2.6	3,362	37	5	157	3,163
70 to 74 years	3,419	545	15.9	525	20	3.7	2,874	49	-	117	2,708
75 years and over	4,312	310	7.2	303	6	2.1	4,002	86	-	210	3,706
Women											
16 years and over	98,152	56,207	57.3	53,357	2,849	5.1	41,945	25,841	4,506	1,631	9,968
16 to 19 years	6,914	3,484	50.4	3,014	470	13.5	3,430	341	2,773	24	292
16 to 17 years	3,238	1,329	41.0	1,103	225	17.0	1,910	79	1,728	1	101
18 to 19 years	3,676	2,155	58.6	1,911	244	11.3	1,521	262	1,045	22	191
20 to 24 years	9,167	6,422	70.1	5,931	490	7.6	2,745	1,467	981	38	258
25 to 54 years	53,605	39,682	74.0	37,996	1,685	4.2	13,923	11,289	726	520	1,388
25 to 34 years	21,751	16,057	73.8	15,196	861	5.4	5,694	4,640	461	124	469
25 to 29 years	10,661	7,949	74.6	7,491	458	5.8	2,712	2,155	280	61	216
30 to 34 years	11,090	8,108	73.1	7,705	402	5.0	2,982	2,485	181	63	254
35 to 44 years	18,846	14,442	76.6	13,884	557	3.9	4,404	3,584	198	166	456
35 to 39 years	10,029	7,605	75.8	7,274	331	4.4	2,425	1,988	123	70	244
40 to 44 years	8,816	6,837	77.6	6,611	227	3.3	1,979	1,596	75	96	212
45 to 54 years	13,008	9,183	70.6	8,916	267	2.9	3,825	3,065	67	230	463
45 to 49 years	7,092	5,271	74.3	5,108	163	3.1	1,822	1,483	52	106	180
50 to 54 years	5,916	3,912	66.1	3,808	104	2.7	2,003	1,582	15	124	283
55 to 64 years	11,234	5,105	45.4	4,959	146	2.9	6,128	4,325	17	347	1,439
55 to 59 years	5,541	3,060	55.2	2,970	89	2.9	2,481	1,899	13	159	410
60 to 64 years	5,693	2,045	35.9	1,989	57	2.8	3,647	2,427	4	188	1,029
65 years and over	17,232	1,514	8.8	1,456	58	3.8	15,718	8,419	8	702	6,590
65 to 69 years	5,531	959	17.3	923	37	3.8	4,571	2,651	2	135	1,784
70 to 74 years	4,440	357	8.0	349	9	2.4	4,083	2,241	2	127	1,714
75 years and over	7,261	198	2.7	185	13	6.3	7,064	3,527	3	441	3,092

**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	March 1990										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	160,076	106,292	66.4	101,273	5,018	4.7	53,784	22,766	6,675	2,810	21,534
16 to 19 years	11,226	6,146	54.8	5,354	792	12.9	5,080	286	4,258	33	503
16 to 17 years	5,314	2,366	44.5	1,998	368	15.5	2,948	71	2,692	5	180
18 to 19 years	5,912	3,781	63.9	3,356	425	11.2	2,132	214	1,566	28	324
20 to 24 years	14,698	11,457	77.9	10,641	815	7.1	3,242	1,156	1,554	73	459
25 to 54 years	89,050	74,961	84.2	72,023	2,937	3.9	14,089	9,700	838	1,109	2,442
25 to 34 years	35,862	30,354	84.6	28,911	1,443	4.8	5,507	3,896	569	261	782
25 to 29 years	17,479	14,833	84.9	14,047	785	5.3	2,647	1,799	373	120	354
30 to 34 years	18,382	15,522	84.4	14,863	658	4.2	2,861	2,097	196	140	427
35 to 44 years	31,529	27,093	85.9	26,131	961	3.5	4,437	3,116	204	373	744
35 to 39 years	16,704	14,337	85.8	13,795	542	3.8	2,368	1,718	122	164	363
40 to 44 years	14,825	12,756	86.0	12,336	420	3.3	2,069	1,397	82	209	381
45 to 54 years	21,658	17,514	80.9	16,982	532	3.0	4,145	2,688	65	476	916
45 to 49 years	11,643	9,873	83.4	9,540	333	3.4	1,970	1,313	46	218	394
50 to 54 years	9,815	7,641	77.8	7,442	199	2.6	2,174	1,375	19	258	522
55 to 64 years	18,593	10,455	56.2	10,082	373	3.6	8,138	3,854	13	661	3,610
55 to 59 years	9,183	6,221	67.8	5,984	237	3.8	2,961	1,660	7	312	982
60 to 64 years	9,410	4,234	45.0	4,098	136	3.2	5,176	2,193	7	349	2,628
65 years and over	26,509	3,273	12.3	3,172	101	3.1	23,236	7,770	11	935	14,520
65 to 69 years	8,969	1,987	22.2	1,934	53	2.7	6,982	2,386	6	221	4,369
70 to 74 years	7,092	813	11.5	784	29	3.5	6,279	2,083	2	199	3,994
75 years and over	10,448	473	4.5	454	19	4.0	9,975	3,301	4	515	6,156
Men											
16 years and over	76,893	58,791	76.5	55,835	2,956	5.0	18,103	412	3,343	1,589	12,759
16 to 19 years	5,666	3,158	55.7	2,723	435	13.8	2,508	12	2,220	15	261
16 to 17 years	2,719	1,189	43.7	1,014	176	14.8	1,530	8	1,424	3	95
18 to 19 years	2,947	1,969	66.8	1,710	259	13.2	979	4	797	12	166
20 to 24 years	7,199	6,081	84.5	5,600	481	7.9	1,118	19	794	43	262
25 to 54 years	44,118	41,607	94.3	39,870	1,737	4.2	2,511	171	320	735	1,285
25 to 34 years	17,870	16,994	95.1	16,127	867	5.1	876	55	244	166	411
25 to 29 years	8,677	8,187	94.4	7,705	482	5.9	490	30	182	72	206
30 to 34 years	9,192	8,807	95.8	8,422	385	4.4	386	26	61	93	205
35 to 44 years	15,631	14,912	95.4	14,368	544	3.6	719	53	60	255	351
35 to 39 years	8,312	7,992	96.2	7,687	304	3.8	320	20	35	113	152
40 to 44 years	7,319	6,920	94.5	6,681	239	3.5	399	33	25	142	199
45 to 54 years	10,617	9,701	91.4	9,375	327	3.4	916	63	16	315	522
45 to 49 years	5,822	5,376	92.3	5,170	206	3.8	447	37	10	148	252
50 to 54 years	4,795	4,326	90.2	4,205	121	2.8	469	26	6	167	270
55 to 64 years	8,845	6,018	68.0	5,768	250	4.2	2,826	64	5	405	2,353
55 to 59 years	4,413	3,568	80.9	3,405	163	4.6	845	18	2	195	630
60 to 64 years	4,431	2,450	55.3	2,363	87	3.5	1,981	46	3	210	1,723
65 years and over	11,065	1,927	17.4	1,873	53	2.8	9,139	146	3	391	8,599
65 to 69 years	4,100	1,138	27.8	1,112	27	2.3	2,962	28	3	126	2,805
70 to 74 years	3,093	500	16.1	480	20	4.0	2,594	45	-	90	2,459
75 years and over	3,872	289	7.5	282	7	2.3	3,583	73	-	175	3,335
Women											
16 years and over	83,182	47,501	57.1	45,438	2,062	4.3	35,682	22,354	3,332	1,221	8,775
16 to 19 years	5,560	2,989	53.8	2,631	358	12.0	2,571	274	2,038	17	242
16 to 17 years	2,595	1,177	45.3	985	192	16.3	1,418	64	1,268	1	85
18 to 19 years	2,965	1,812	61.1	1,646	166	9.1	1,153	211	769	16	157
20 to 24 years	7,499	5,376	71.7	5,041	334	6.2	2,123	1,136	760	30	196
25 to 54 years	44,932	33,353	74.2	32,154	1,200	3.6	11,578	9,529	518	374	1,158
25 to 34 years	17,992	13,360	74.3	12,784	577	4.3	4,632	3,841	325	95	371
25 to 29 years	8,802	6,645	75.5	6,342	303	4.6	2,157	1,769	191	48	149
30 to 34 years	9,190	6,715	73.1	6,442	273	4.1	2,475	2,072	135	47	222
35 to 44 years	15,899	12,181	76.6	11,763	418	3.4	3,718	3,063	144	118	393
35 to 39 years	8,393	6,345	75.6	6,108	237	3.7	2,048	1,699	87	52	211
40 to 44 years	7,506	5,836	77.8	5,655	180	3.1	1,670	1,365	57	66	182
45 to 54 years	11,041	7,812	70.8	7,607	205	2.6	3,229	2,625	49	161	394
45 to 49 years	6,021	4,497	74.7	4,370	127	2.8	1,524	1,276	35	70	142
50 to 54 years	5,020	3,315	66.0	3,237	78	2.4	1,705	1,349	13	91	252
55 to 64 years	9,748	4,437	45.5	4,314	123	2.8	5,311	3,790	9	255	1,257
55 to 59 years	4,769	2,653	55.6	2,579	74	2.8	2,116	1,643	5	116	352
60 to 64 years	4,979	1,784	35.8	1,734	49	2.8	3,195	2,147	4	139	905
65 years and over	15,444	1,346	8.7	1,299	47	3.5	14,097	7,624	8	544	5,921
65 to 69 years	4,869	849	17.4	822	26	3.1	4,020	2,358	3	95	1,565
70 to 74 years	3,998	313	7.8	305	9	2.8	3,685	2,038	2	110	1,535
75 years and over	6,577	184	2.8	172	12	6.6	6,393	3,228	4	339	2,822

**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	March 1990										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	21,211	13,393	63.1	11,954	1,440	10.7	7,818	2,805	1,683	811	2,520
16 to 19 years	2,152	787	36.6	559	228	29.0	1,365	60	1,187	9	109
16 to 17 years	1,071	261	24.4	174	87	33.4	810	14	761	-	36
18 to 19 years	1,081	526	48.7	385	141	26.9	555	46	426	9	73
20 to 24 years	2,452	1,688	68.8	1,374	314	18.6	764	300	298	18	149
25 to 54 years	12,008	9,625	80.2	8,780	845	8.8	2,383	1,330	192	346	515
25 to 34 years	5,335	4,278	80.2	3,803	475	11.1	1,057	629	128	93	207
25 to 29 years	2,671	2,116	79.2	1,854	261	12.4	556	310	80	42	124
30 to 34 years	2,664	2,163	81.2	1,949	213	9.9	501	319	48	51	83
35 to 44 years	4,018	3,335	83.0	3,088	246	7.4	684	367	50	104	162
35 to 39 years	2,253	1,888	83.8	1,736	152	8.0	365	192	38	46	89
40 to 44 years	1,765	1,447	81.9	1,352	95	6.5	319	175	13	59	73
45 to 54 years	2,655	2,012	75.8	1,888	124	6.2	643	333	14	149	146
45 to 49 years	1,430	1,145	80.1	1,074	71	6.2	285	148	13	61	63
50 to 54 years	1,225	867	70.8	814	53	6.1	357	186	1	88	83
55 to 64 years	2,112	1,032	48.9	994	38	3.7	1,079	443	7	211	418
55 to 59 years	1,087	620	57.0	599	21	3.4	467	222	7	103	136
60 to 64 years	1,024	413	40.3	396	17	4.0	612	221	-	108	283
65 years and over	2,488	261	10.5	247	15	5.6	2,227	673	-	227	1,328
65 to 69 years	914	162	17.7	147	15	9.1	752	224	-	61	467
70 to 74 years	620	70	11.3	70	-	(¹)	551	172	-	40	338
75 years and over	954	29	3.1	29	-	(¹)	925	276	-	126	523
Men											
16 years and over	9,527	6,591	69.2	5,834	756	11.5	2,936	143	798	431	1,564
16 to 19 years	1,061	398	37.5	276	122	30.5	663	3	592	3	65
16 to 17 years	545	141	25.8	87	54	38.3	404	3	378	-	23
18 to 19 years	516	257	49.8	190	68	26.3	259	-	214	3	42
20 to 24 years	1,120	846	75.5	674	172	20.3	274	17	149	10	98
25 to 54 years	5,399	4,707	87.2	4,270	437	9.3	693	74	58	211	349
25 to 34 years	2,418	2,145	88.7	1,910	236	11.0	272	34	40	65	133
25 to 29 years	1,210	1,067	88.2	945	122	11.5	143	18	25	30	70
30 to 34 years	1,208	1,078	89.3	965	113	10.5	130	16	15	35	63
35 to 44 years	1,792	1,577	88.0	1,451	126	8.0	216	22	16	61	117
35 to 39 years	1,007	892	88.7	825	68	7.6	114	7	10	29	68
40 to 44 years	786	684	87.1	626	58	8.5	101	14	6	32	49
45 to 54 years	1,190	985	82.8	909	76	7.7	205	18	2	85	99
45 to 49 years	652	576	88.4	531	45	7.9	75	6	2	30	38
50 to 54 years	538	409	76.0	379	30	7.4	129	13	-	56	61
55 to 64 years	942	522	55.4	501	21	4.1	420	27	-	122	271
55 to 59 years	482	317	65.9	310	8	2.5	164	16	-	61	88
60 to 64 years	460	205	44.5	191	14	6.6	256	11	-	61	183
65 years and over	1,005	118	11.8	114	5	3.9	886	22	-	84	781
65 to 69 years	383	67	17.4	62	5	(¹)	316	8	-	26	282
70 to 74 years	259	34	13.3	34	-	(¹)	224	1	-	25	198
75 years and over	363	17	4.7	17	-	(¹)	346	12	-	33	301
Women											
16 years and over	11,684	6,803	58.2	6,119	683	10.0	4,882	2,662	884	380	956
16 to 19 years	1,091	389	35.7	282	107	27.5	701	57	595	6	44
16 to 17 years	526	120	22.9	87	33	27.5	406	10	382	-	13
18 to 19 years	565	269	47.6	195	74	27.4	296	46	212	6	31
20 to 24 years	1,332	842	63.2	700	142	16.9	490	283	149	7	51
25 to 54 years	6,608	4,918	74.4	4,510	408	8.3	1,690	1,255	134	134	167
25 to 34 years	2,917	2,133	73.1	1,894	239	11.2	784	595	88	28	74
25 to 29 years	1,461	1,048	71.7	909	139	13.3	413	292	55	12	54
30 to 34 years	1,456	1,085	74.5	984	100	9.2	372	303	32	16	20
35 to 44 years	2,226	1,758	79.0	1,637	120	6.9	468	345	34	43	45
35 to 39 years	1,246	996	79.9	912	84	8.4	251	185	27	17	21
40 to 44 years	980	762	77.8	726	36	4.8	217	160	7	26	23
45 to 54 years	1,465	1,027	70.1	979	48	4.7	438	315	12	64	48
45 to 49 years	779	569	73.1	543	26	4.5	210	142	10	32	26
50 to 54 years	686	458	66.8	435	23	5.0	228	173	1	32	22
55 to 64 years	1,170	510	43.6	494	16	3.2	659	416	7	89	147
55 to 59 years	605	302	49.9	289	13	4.4	303	207	7	41	48
60 to 64 years	564	208	36.9	205	3	1.5	356	209	-	47	99
65 years and over	1,484	143	9.6	133	10	7.0	1,341	651	-	143	547
65 to 69 years	531	95	18.0	85	10	10.5	436	216	-	35	185
70 to 74 years	362	35	9.8	35	-	(¹)	326	171	-	15	141
75 years and over	591	12	2.0	12	-	(¹)	579	264	-	93	222

¹ 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	March 1990								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	
TOTAL									
16 years and over	27,453	17,498	63.7	15,820	178	15,641	1,678	9.6	9,955
16 to 19 years	2,688	988	36.8	741	4	738	247	25.0	1,699
16 to 17 years	1,310	322	24.6	233	-	233	89	27.6	988
18 to 19 years	1,377	666	48.4	508	4	504	158	23.8	711
20 to 24 years	3,131	2,127	67.9	1,778	22	1,756	349	16.4	1,004
25 to 54 years	15,932	12,696	79.7	11,686	116	11,570	1,010	8.0	3,235
25 to 34 years	6,952	5,518	79.4	4,962	51	4,911	556	10.1	1,434
25 to 29 years	3,441	2,697	78.4	2,402	33	2,369	295	11.0	744
30 to 34 years	3,511	2,821	80.4	2,560	18	2,542	260	9.2	690
35 to 44 years	5,381	4,425	82.2	4,133	39	4,094	292	6.6	956
35 to 39 years	3,002	2,473	82.4	2,292	25	2,267	181	7.3	529
40 to 44 years	2,379	1,952	82.0	1,841	14	1,827	110	5.7	427
45 to 54 years	3,599	2,754	76.5	2,591	27	2,564	163	5.9	845
45 to 49 years	1,985	1,592	80.2	1,495	17	1,479	96	6.0	393
50 to 54 years	1,615	1,162	72.0	1,096	10	1,086	66	5.7	452
55 to 64 years	2,645	1,349	51.0	1,293	17	1,276	56	4.2	1,296
55 to 59 years	1,378	826	59.9	797	13	784	29	3.5	552
60 to 64 years	1,268	523	41.3	496	4	491	28	5.3	744
65 years and over	3,057	337	11.0	321	19	302	16	4.7	2,720
65 to 69 years	1,164	213	18.3	198	11	187	16	7.3	951
70 to 74 years	768	89	11.6	89	5	84	-	-	679
75 years and over	1,125	35	3.1	34	3	31	-	(¹)	1,090
Men									
16 years and over	12,484	8,792	70.4	7,901	154	7,746	891	10.1	3,692
16 to 19 years	1,333	493	37.0	358	4	354	135	27.5	840
16 to 17 years	667	170	25.5	114	-	114	56	32.7	497
18 to 19 years	666	323	48.5	243	4	240	80	24.7	343
20 to 24 years	1,463	1,081	73.9	888	19	869	193	17.8	382
25 to 54 years	7,259	6,368	87.7	5,844	105	5,739	525	8.2	891
25 to 34 years	3,193	2,821	88.4	2,550	45	2,505	272	9.6	371
25 to 29 years	1,582	1,393	88.1	1,253	28	1,225	140	10.1	189
30 to 34 years	1,611	1,428	88.7	1,297	17	1,280	131	9.2	183
35 to 44 years	2,434	2,164	88.9	2,012	37	1,974	152	7.0	270
35 to 39 years	1,365	1,213	88.9	1,126	23	1,102	88	7.2	152
40 to 44 years	1,068	950	88.9	886	14	872	64	6.8	118
45 to 54 years	1,633	1,383	84.7	1,282	22	1,260	101	7.3	249
45 to 49 years	913	818	89.6	758	13	744	60	7.4	95
50 to 54 years	719	565	78.6	525	9	516	41	7.2	154
55 to 64 years	1,160	681	58.7	648	8	639	33	4.9	479
55 to 59 years	606	420	69.2	407	6	400	13	3.1	187
60 to 64 years	554	261	47.2	241	2	239	20	7.8	292
65 years and over	1,269	169	13.3	164	19	145	5	3.1	1,100
65 to 69 years	503	103	20.4	98	11	86	5	5.1	400
70 to 74 years	325	45	13.9	45	4	41	-	(¹)	280
75 years and over	440	21	4.8	21	3	18	-	(¹)	419
Women									
16 years and over	14,969	8,706	58.2	7,919	24	7,895	787	9.0	6,263
16 to 19 years	1,354	495	36.6	383	-	384	112	22.6	859
16 to 17 years	644	152	23.6	119	-	119	33	21.9	492
18 to 19 years	711	343	48.3	265	-	265	79	22.9	368
20 to 24 years	1,668	1,046	62.7	890	3	887	156	14.9	622
25 to 54 years	8,673	6,328	73.0	5,843	12	5,831	486	7.7	2,344
25 to 34 years	3,759	2,697	71.7	2,413	6	2,407	284	10.5	1,063
25 to 29 years	1,859	1,304	70.1	1,149	4	1,144	155	11.9	555
30 to 34 years	1,900	1,393	73.3	1,264	1	1,262	129	9.3	507
35 to 44 years	2,947	2,261	76.7	2,121	2	2,120	140	6.2	686
35 to 39 years	1,637	1,260	77.0	1,166	2	1,164	94	7.4	377
40 to 44 years	1,310	1,001	76.4	955	-	955	46	4.6	309
45 to 54 years	1,967	1,371	69.7	1,309	4	1,304	62	4.5	596
45 to 49 years	1,071	774	72.2	738	3	734	36	4.6	298
50 to 54 years	895	597	66.7	571	1	570	26	4.3	298
55 to 64 years	1,486	668	45.0	646	9	636	23	3.4	817
55 to 59 years	772	407	52.7	391	7	384	16	3.8	365
60 to 64 years	714	262	36.7	255	2	252	7	2.8	452
65 years and over	1,789	168	9.4	157	-	157	11	6.3	1,621
65 to 69 years	662	111	16.7	100	-	100	10	9.3	551
70 to 74 years	442	44	9.9	44	-	43	-	(¹)	399
75 years and over	685	14	2.0	13	-	13	-	(¹)	671

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
TOTAL								
Civilian noninstitutional population	185,897	187,529	81,333	82,378	90,242	91,237	14,323	13,914
Civilian labor force	122,223	123,789	63,210	63,932	51,803	52,723	7,210	7,135
Percent of population	65.7	66.0	77.7	77.6	57.4	57.8	50.3	51.3
Employed	115,844	117,093	60,191	60,654	49,462	50,343	6,192	6,095
Agriculture	2,934	2,938	2,166	2,125	594	598	174	216
Nonagricultural industries	112,911	114,155	58,025	58,530	48,868	49,746	6,018	5,879
Unemployed	6,378	6,697	3,019	3,277	2,341	2,380	1,018	1,040
Unemployment rate	5.2	5.4	4.8	5.1	4.5	4.5	14.1	14.6
Not in labor force	63,674	63,740	18,123	18,446	38,439	38,514	7,112	6,779
White								
Civilian noninstitutional population	159,020	160,076	70,442	71,227	76,951	77,622	11,627	11,226
Civilian labor force	105,100	106,292	55,070	55,633	43,767	44,512	6,262	6,146
Percent of population	66.1	66.4	78.2	78.1	56.9	57.3	53.9	54.8
Employed	100,435	101,273	52,800	53,111	42,115	42,808	5,520	5,354
Agriculture	2,734	2,760	2,010	1,974	555	573	170	212
Nonagricultural industries	97,701	98,514	50,790	51,137	41,561	42,234	5,351	5,142
Unemployed	4,664	5,018	2,270	2,521	1,652	1,705	742	792
Unemployment rate	4.4	4.7	4.1	4.5	3.8	3.8	11.9	12.9
Not in labor force	53,921	53,784	15,372	15,594	33,184	33,110	5,365	5,080
Black								
Civilian noninstitutional population	20,930	21,211	8,325	8,466	10,431	10,594	2,174	2,152
Civilian labor force	13,243	13,393	6,187	6,193	6,281	6,413	775	787
Percent of population	63.3	63.1	74.3	73.1	60.2	60.5	35.6	36.6
Employed	11,761	11,954	5,541	5,558	5,699	5,837	521	559
Agriculture	160	117	126	100	29	13	4	3
Nonagricultural industries	11,601	11,837	5,415	5,458	5,670	5,824	517	555
Unemployed	1,483	1,440	646	635	582	576	255	228
Unemployment rate	11.2	10.7	10.4	10.3	9.3	9.0	32.8	29.0
Not in labor force	7,687	7,818	2,138	2,273	4,149	4,180	1,399	1,365

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	March 1990									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL ENROLLED										
Total, 16 to 24 years	15,747	7,649	48.6	6,866	1,257	5,609	783	126	657	10.2
16 to 19 years	10,676	4,731	44.3	4,112	377	3,735	619	71	548	13.1
20 to 24 years	5,071	2,918	57.5	2,754	879	1,875	164	56	108	5.6
High school	8,241	3,445	41.8	2,920	180	2,740	525	61	464	15.2
College	7,506	4,204	56.0	3,946	1,077	2,869	257	65	193	6.1
Full-time students	6,397	3,225	50.4	3,020	457	2,564	205	41	164	6.4
Part-time students	1,109	978	88.2	926	620	306	52	23	29	5.4
Men, 16 to 24 years	7,949	3,788	47.6	3,366	610	2,756	421	73	348	11.1
16 to 19 years	5,448	2,378	43.6	2,055	200	1,856	322	40	283	13.6
20 to 24 years	2,501	1,410	56.4	1,311	411	901	99	33	66	7.0
High school	4,365	1,817	41.6	1,543	106	1,437	275	35	239	15.1
College	3,584	1,970	55.0	1,823	505	1,319	147	38	109	7.5
Full-time students	3,089	1,516	49.1	1,409	234	1,174	107	21	87	7.1
Part-time students	495	454	91.7	415	270	144	40	17	22	8.7
Women, 16 to 24 years	7,798	3,861	49.5	3,500	647	2,853	361	53	308	9.4
16 to 19 years	5,228	2,353	45.0	2,057	178	1,879	296	31	265	12.6
20 to 24 years	2,570	1,508	58.7	1,443	469	974	65	22	43	4.3
High school	3,876	1,627	42.0	1,377	74	1,303	251	26	225	15.4
College	3,922	2,233	57.0	2,123	573	1,550	111	27	84	5.0
Full-time students	3,308	1,709	51.7	1,612	222	1,389	98	21	77	5.7
Part-time students	614	524	85.4	511	350	161	13	6	7	2.5
White										
Total, 16 to 24 years	12,746	6,630	52.0	6,031	1,070	4,961	599	89	509	9.0
16 to 19 years	8,536	4,114	48.2	3,636	316	3,320	478	50	428	11.6
20 to 24 years	4,209	2,516	59.8	2,395	754	1,641	121	40	81	4.8
Men	6,471	3,325	51.4	3,012	523	2,489	313	45	268	9.4
Women	6,274	3,305	52.7	3,019	547	2,472	286	45	241	8.6
High school	6,459	2,973	46.0	2,577	145	2,432	395	37	359	13.3
College	6,286	3,658	58.2	3,454	925	2,529	204	53	151	5.6
Full-time students	5,357	2,830	52.8	2,670	410	2,260	160	33	127	5.7
Part-time students	929	828	89.1	784	515	269	44	19	24	5.3
Black										
Total, 16 to 24 years	2,271	761	33.5	594	140	454	166	36	130	21.9
16 to 19 years	1,683	470	27.9	341	47	294	129	20	109	27.5
20 to 24 years	588	291	49.5	253	93	161	37	16	21	12.9
Men	1,104	343	31.0	246	54	192	97	28	68	28.2
Women	1,167	418	35.8	348	86	262	70	8	62	16.7
High school	1,453	380	26.1	256	33	224	124	25	99	32.5
College	818	381	46.6	338	107	231	43	12	31	11.3
Full-time students	689	269	39.1	235	31	204	35	8	27	13.0
Part-time students	129	111	86.4	103	76	27	8	3	5	7.2
Hispanic origin										
Total, 16 to 24 years	1,205	496	41.2	426	125	301	70	9	60	14.1
16 to 19 years	875	294	33.6	245	45	200	50	-	50	16.8
20 to 24 years	330	202	61.1	181	80	101	20	10	11	10.1
Men	594	271	45.5	227	62	166	43	6	37	15.9
Women	611	225	36.9	199	63	136	27	3	23	11.9
High school	766	221	28.8	182	36	146	39	-	40	17.7
College	439	275	62.7	244	89	155	31	10	21	11.2
Full-time students	335	176	52.5	157	31	126	19	4	14	10.6
Part-time students	105	99	95.0	87	58	29	12	6	6	12.3

See footnotes at end of table.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	March 1990									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL NOT ENROLLED										
Total, 16 to 24 years	15,996	13,070	81.7	11,649	10,050	1,598	1,421	1,309	112	10.9
16 to 19 years	3,238	2,404	74.3	1,983	1,485	498	421	365	56	17.5
20 to 24 years	12,758	10,666	83.6	9,665	8,565	1,100	1,000	944	56	9.4
Less than 4 years of high school	4,068	2,641	64.9	2,095	1,674	422	545	507	39	20.6
4 years of high school	7,967	6,744	84.6	6,057	5,223	834	687	630	56	10.2
1 to 3 years of college	2,531	2,307	91.1	2,167	1,942	225	139	124	16	6.0
4 years of college or more	1,429	1,379	96.5	1,329	1,212	117	50	48	2	3.6
Men, 16 to 24 years	7,712	7,025	91.1	6,203	5,630	572	823	790	33	11.7
16 to 19 years	1,551	1,273	82.1	1,026	846	180	248	231	17	19.4
20 to 24 years	6,161	5,752	93.4	5,177	4,784	393	575	559	16	10.0
Less than 4 years of high school	2,154	1,761	81.7	1,398	1,203	194	363	346	17	20.6
4 years of high school	3,854	3,604	93.5	3,224	2,950	274	381	370	11	10.6
1 to 3 years of college	1,107	1,074	97.0	1,011	945	66	63	58	5	5.9
4 years of college or more	597	586	98.2	570	533	38	16	16	-	2.7
Women, 16 to 24 years	8,284	6,045	73.0	5,446	4,420	1,026	599	519	80	9.9
16 to 19 years	1,686	1,131	67.1	957	639	319	173	134	39	15.3
20 to 24 years	6,597	4,914	74.5	4,489	3,781	707	425	385	40	8.7
Less than 4 years of high school	1,914	880	46.0	698	471	227	182	160	22	20.7
4 years of high school	4,113	3,139	76.3	2,833	2,273	560	306	261	45	9.8
1 to 3 years of college	1,424	1,233	86.5	1,156	997	159	76	66	10	6.2
4 years of college or more	833	793	95.2	759	679	79	34	32	2	4.3
White										
Total, 16 to 24 years	13,179	10,973	83.3	9,964	8,601	1,363	1,009	928	81	9.2
16 to 19 years	2,690	2,032	75.5	1,718	1,294	423	315	274	40	15.5
20 to 24 years	10,489	8,941	85.2	8,246	7,306	940	694	654	41	7.8
Men	6,394	5,914	92.5	5,311	4,840	471	603	581	22	10.2
Women	6,785	5,059	74.6	4,653	3,761	892	406	347	59	8.0
Less than 4 years of high school	3,281	2,219	67.6	1,816	1,454	361	403	370	34	18.2
4 years of high school	6,493	5,577	85.9	5,110	4,405	705	467	434	33	8.4
1 to 3 years of college	2,109	1,923	91.2	1,824	1,629	196	98	86	13	5.1
4 years of college or more	1,296	1,254	96.8	1,214	1,113	101	41	39	2	3.2
Black										
Total, 16 to 24 years	2,333	1,714	73.5	1,338	1,159	180	376	349	27	21.9
16 to 19 years	469	317	67.7	218	157	61	99	83	16	31.3
20 to 24 years	1,864	1,397	74.9	1,120	1,001	119	276	265	11	19.8
Men	1,077	901	83.7	704	624	80	197	189	8	21.8
Women	1,256	813	64.8	634	534	100	179	160	19	22.0
Less than 4 years of high school	660	344	52.1	217	163	54	126	123	4	36.8
4 years of high school	1,284	1,019	79.4	809	709	100	210	189	21	20.6
1 to 3 years of college	322	287	89.2	252	237	15	35	33	2	12.2
4 years of college or more	67	64	(²)	60	49	11	4	4	-	(²)
Hispanic origin										
Total, 16 to 24 years	2,133	1,606	75.3	1,427	1,246	181	179	166	13	11.2
16 to 19 years	541	357	66.1	293	240	52	64	56	8	18.0
20 to 24 years	1,592	1,249	78.4	1,134	1,005	129	115	110	5	9.2
Men	1,139	1,033	90.7	934	859	75	99	94	5	9.6
Women	994	573	57.7	493	387	106	80	72	8	14.0
Less than 4 years of high school	1,137	776	68.2	674	589	84	102	95	7	13.2
4 years of high school	746	604	81.0	546	465	81	58	54	4	9.5
1 to 3 years of college	210	192	91.3	174	160	14	18	15	2	9.3
4 years of college or more	40	35	(²)	33	31	2	2	2	-	(²)

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

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

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

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

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Mar. 1989	Mar. 1990	Total		Employed		Unemployed			
			Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Number		Percent of labor force	
							Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
VIETNAM-ERA VETERANS										
Total, 35 years and over	7,369	7,590	6,711	6,948	6,449	6,700	262	249	3.9	3.6
35 to 49 years	6,426	6,519	6,098	6,183	5,852	5,951	246	231	4.0	3.7
35 to 39 years	1,873	1,499	1,771	1,416	1,675	1,360	96	56	5.4	4.0
40 to 44 years	3,208	3,329	3,060	3,193	2,948	3,078	112	116	3.7	3.6
45 to 49 years	1,345	1,691	1,268	1,573	1,230	1,513	38	60	3.0	3.8
50 years and over	943	1,071	613	766	597	749	15	17	2.4	2.3
NONVETERANS										
Total, 35 to 49 years	15,927	16,927	14,893	15,840	14,291	15,180	602	660	4.0	4.2
35 to 39 years	7,242	7,753	6,862	7,386	6,586	7,076	276	311	4.0	4.2
40 to 44 years	4,630	4,951	4,316	4,574	4,124	4,391	192	183	4.4	4.0
45 to 49 years	4,055	4,223	3,715	3,879	3,581	3,713	134	166	3.6	4.3

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 35 to 49 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Data

for 30-to 34-year-old veterans are no longer shown in this table because the group is rapidly disappearing (into the 35-39 age category) and the numbers remaining for some labor force categories are not large enough to warrant their continued publication.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Sex, age, and race	March 1990							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	96,311	94,457	1,854	20,782	17,822	2,960	5,390	1,307
16 to 19 years	1,862	1,766	97	4,233	3,962	270	435	604
16 to 17 years	200	185	15	2,031	1,981	50	96	360
18 to 19 years	1,662	1,581	81	2,202	1,982	220	339	244
20 years and over	94,448	92,691	1,757	16,549	13,859	2,690	4,954	703
20 to 24 years	9,445	9,130	315	2,975	2,511	464	1,000	165
25 years and over	85,004	83,561	1,442	13,575	11,349	2,226	3,955	538
25 to 54 years	74,022	72,766	1,256	9,687	7,847	1,841	3,552	395
55 years and over	10,981	10,796	186	3,887	3,502	385	403	143
Men, 16 years and over	56,874	55,688	1,187	6,861	5,694	1,167	3,348	500
16 to 19 years	1,046	982	63	2,035	1,920	115	271	299
20 years and over	55,829	54,705	1,123	4,826	3,774	1,052	3,077	200
20 to 24 years	5,195	4,985	210	1,293	1,084	209	592	81
25 years and over	50,634	49,721	913	3,532	2,690	842	2,485	119
25 to 54 years	43,822	43,035	786	1,892	1,216	676	2,190	72
55 years and over	6,812	6,685	127	1,641	1,474	167	294	47
Women, 16 years and over	39,436	38,769	667	13,921	12,128	1,794	2,042	807
16 to 19 years	817	784	33	2,198	2,042	155	165	305
20 years and over	38,620	37,986	634	11,724	10,085	1,638	1,877	502
20 to 24 years	4,250	4,145	105	1,681	1,427	255	407	83
25 years and over	34,370	33,841	529	10,042	8,659	1,384	1,470	419
25 to 54 years	30,201	29,730	470	7,796	6,631	1,165	1,362	323
55 years and over	4,169	4,111	59	2,246	2,028	218	108	96
White								
Men, 16 years and over	49,849	48,820	1,029	5,986	5,086	900	2,563	393
16 to 19 years	897	838	59	1,827	1,735	92	205	230
20 years and over	48,952	47,981	970	4,159	3,352	808	2,358	163
20 to 24 years	4,466	4,280	186	1,134	962	171	421	60
25 years and over	44,486	43,701	784	3,026	2,389	636	1,937	104
25 to 54 years	38,313	37,638	675	1,557	1,048	508	1,676	61
55 years and over	6,173	6,063	110	1,469	1,341	128	261	42
Women, 16 years and over	33,009	32,474	535	12,430	10,909	1,521	1,425	637
16 to 19 years	714	689	25	1,917	1,783	134	119	239
20 years and over	32,295	31,785	510	10,512	9,126	1,386	1,306	399
20 to 24 years	3,594	3,509	85	1,447	1,220	227	272	62
25 years and over	28,701	28,276	425	9,065	7,906	1,159	1,034	336
25 to 54 years	25,077	24,705	372	7,077	6,109	968	941	259
55 years and over	3,624	3,570	53	1,989	1,797	192	93	78
Black								
Men, 16 years and over	5,213	5,082	131	621	417	204	664	92
16 to 19 years	119	115	5	157	141	16	60	61
20 years and over	5,094	4,967	126	464	276	188	604	31
20 to 24 years	559	538	21	115	87	26	157	15
25 years and over	4,535	4,430	105	349	189	160	447	16
25 to 54 years	4,053	3,964	89	217	90	126	427	10
55 years and over	482	465	16	132	99	34	20	6
Women, 16 years and over	5,037	4,917	120	1,082	853	229	541	142
16 to 19 years	85	79	6	197	183	15	43	64
20 years and over	4,952	4,838	114	885	671	214	498	78
20 to 24 years	535	516	19	165	141	24	125	17
25 years and over	4,417	4,322	95	720	529	191	373	61
25 to 54 years	4,007	3,917	90	503	335	167	361	47
55 years and over	409	404	5	218	194	23	12	14

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

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

(Numbers in thousands)

Family relationship	March 1990									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
Number				Percent of labor force						
Total, 16 years and over ¹	99,177	66.5	93,728	5,449	5.5	50,020	21,409	8,147	2,601	17,863
Husbands	40,074	78.0	38,695	1,378	3.4	11,282	182	209	1,085	9,806
With employed wife	26,538	91.8	25,699	839	3.2	2,379	90	121	445	1,723
With unemployed wife	927	91.1	818	110	11.8	90	3	3	9	75
With wife not in labor force	12,608	58.9	12,178	430	3.4	8,813	89	86	631	8,008
Wives	29,934	58.3	28,917	1,017	3.4	21,422	16,742	411	404	3,865
With employed husband	26,517	68.5	25,699	818	3.1	12,178	10,643	346	150	1,040
With unemployed husband	948	68.8	839	110	11.5	430	360	18	21	31
With husband not in labor force	2,469	21.9	2,379	90	3.7	8,813	5,739	47	234	2,794
Relatives in married-couple families	12,535	61.6	11,226	1,309	10.4	7,798	704	5,316	302	1,476
16 to 19 years	4,567	50.8	3,995	572	12.5	4,418	77	3,960	13	367
20 to 24 years	4,320	72.9	3,938	381	8.8	1,604	143	1,190	32	239
25 years and over	3,649	67.3	3,293	356	9.8	1,776	484	166	257	870
Women who maintain families	6,860	62.6	6,297	563	8.2	4,105	2,720	226	253	907
Relatives in families maintained by women	5,567	60.4	4,745	822	14.8	3,653	683	1,625	390	955
16 to 19 years	1,390	48.2	1,079	311	22.4	1,493	54	1,277	20	141
20 to 24 years	1,528	71.6	1,285	243	15.9	605	128	286	33	159
25 years and over	2,649	63.0	2,381	268	10.1	1,555	501	62	337	655
Men who maintain families	2,310	77.5	2,163	147	6.4	671	48	32	91	500
Relatives in families maintained by men	1,897	63.5	1,684	213	11.2	1,089	330	328	76	355
16 to 19 years	299	52.4	258	40	13.5	272	15	210	3	43
20 to 24 years	533	77.3	454	79	14.8	157	30	101	2	24
25 years and over	1,066	61.8	972	94	8.8	660	285	17	71	288

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
Total, 16 years and over	3,597	3,847	5.4	5.7	2,781	2,849	5.0	5.1
Married, spouse present	1,389	1,517	3.3	3.6	1,072	1,102	3.5	3.6
Widowed, divorced, or separated	527	523	7.8	7.3	604	622	5.7	5.6
Single (never married)	1,681	1,808	9.3	10.0	1,106	1,125	7.9	8.0
White, 16 years and over	2,719	2,956	4.7	5.0	1,945	2,062	4.2	4.3
Married, spouse present	1,120	1,254	3.0	3.3	856	917	3.2	3.4
Widowed, divorced, or separated	398	389	7.1	6.5	433	436	5.1	4.9
Single (never married)	1,201	1,313	8.0	8.7	656	709	5.9	6.3
Black, 16 years and over	760	756	11.6	11.5	723	683	10.8	10.0
Married, spouse present	214	204	6.8	6.3	157	135	6.4	5.6
Widowed, divorced, or separated	116	109	11.9	11.5	158	156	8.4	7.8
Single (never married)	431	443	17.6	18.4	408	393	17.3	16.3
Total, 25 years and over	2,427	2,603	4.3	4.6	1,795	1,889	4.0	4.1
Married, spouse present	1,298	1,408	3.2	3.5	904	963	3.2	3.3
Widowed, divorced, or separated	502	508	7.7	7.3	549	571	5.3	5.3
Single (never married)	628	688	7.1	7.6	342	356	5.5	5.4
White, 25 years and over	1,851	2,040	3.8	4.1	1,290	1,370	3.4	3.5
Married, spouse present	1,047	1,170	2.9	3.2	724	789	2.9	3.1
Widowed, divorced, or separated	382	376	7.0	6.5	393	397	4.8	4.6
Single (never married)	422	495	5.8	6.7	172	183	3.6	3.7
Black, 25 years and over	494	463	9.4	8.7	433	434	8.0	7.8
Married, spouse present	198	183	6.6	5.9	126	125	5.5	5.6
Widowed, divorced, or separated	111	108	11.7	11.4	144	146	7.9	7.5
Single (never married)	185	172	14.1	13.2	163	164	12.4	11.8

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
Total, 16 years and over	6,378	6,697	5.2	5.4	5.4	5.7	5.0	5.1
Managerial and professional specialty	561	574	1.8	1.8	1.7	1.7	2.0	2.0
Executive, administrative, and managerial	345	325	2.3	2.2	2.1	2.0	2.6	2.4
Professional specialty	217	250	1.4	1.5	1.2	1.4	1.5	1.7
Technical, sales, and administrative support	1,409	1,455	3.8	3.8	3.0	3.4	4.3	4.0
Technicians and related support	56	99	1.5	2.5	1.4	2.4	1.6	2.5
Sales occupations	643	667	4.5	4.5	3.0	3.3	6.0	5.6
Administrative support, including clerical	710	689	3.8	3.5	3.9	4.2	3.8	3.4
Service occupations	969	1,056	5.9	6.4	6.2	6.6	5.7	6.2
Private household	43	49	4.7	6.1	(¹)	(¹)	4.3	5.8
Protective service	61	65	3.1	3.1	2.6	3.0	5.6	3.7
Service, except private household and protective	865	942	6.4	6.9	7.4	8.0	5.9	6.3
Precision production, craft, and repair	883	864	6.1	6.0	6.2	6.1	5.3	4.7
Mechanics and repairers	191	156	4.0	3.4	3.9	3.4	6.9	2.9
Construction trades	498	521	9.3	9.5	9.4	9.5	7.4	9.0
Other precision production, craft, and repair	194	188	4.5	4.4	4.4	4.3	4.7	4.5
Operators, fabricators, and laborers	1,632	1,827	8.3	9.5	8.1	9.2	8.9	10.6
Machine operators, assemblers, and inspectors	655	752	7.2	8.8	6.2	7.6	8.7	10.5
Transportation and material moving occupations	354	372	6.9	7.3	7.1	7.6	5.6	4.0
Handlers, equipment cleaners, helpers, and laborers	622	703	11.6	12.8	11.6	12.6	11.5	14.0
Construction laborers	195	183	21.6	20.6	21.3	20.3	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	428	519	9.6	11.3	9.2	10.8	11.0	13.7
Farming, forestry, and fishing	258	254	7.9	7.8	7.7	7.9	8.9	7.3
No previous work experience	636	631	-	-	-	-	-	-
16 to 19 years	430	408	-	-	-	-	-	-
20 to 24 years	92	109	-	-	-	-	-	-
25 years and over	115	114	-	-	-	-	-	-

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
Total, 16 years and over	6,378	6,697	5.2	5.4	5.4	5.7	5.0	5.1
Nonagricultural private wage and salary workers	4,947	5,320	5.4	5.7	5.6	6.1	5.2	5.3
Mining	54	47	7.6	6.3	8.6	6.9	2.1	3.1
Construction	787	842	12.7	13.1	13.2	13.7	8.4	6.8
Manufacturing	1,142	1,282	5.2	5.9	4.6	4.9	6.2	7.8
Durable goods	644	740	5.0	5.7	4.6	5.3	5.9	6.8
Lumber and wood products	47	70	6.2	9.4	6.3	10.2	6.0	4.5
Furniture and fixtures	42	48	6.1	7.5	3.8	6.3	10.9	10.2
Stone, clay, and glass products	30	49	5.0	7.5	4.2	7.3	8.2	8.1
Primary metal industries	41	39	4.9	4.3	5.7	4.6	-	2.6
Fabricated metal products	104	98	7.7	7.3	8.1	6.7	5.8	9.3
Machinery, except electrical	89	109	3.3	4.3	2.8	4.0	5.0	5.5
Electrical machinery, equipment, and supplies	105	122	4.8	5.5	4.6	4.2	5.1	7.3
Transportation equipment	130	135	4.9	5.1	4.9	5.1	4.9	5.2
Automobiles	68	88	5.2	6.9	4.9	7.0	6.4	6.8
Other transportation equipment	62	47	4.6	3.4	4.9	3.4	3.5	3.5
Professional and photographic equipment	11	32	1.8	4.4	.8	2.8	3.1	6.7
Other durable goods industries	45	38	7.9	6.8	3.4	5.2	12.7	8.2
Nondurable goods	498	542	5.4	6.1	4.6	4.2	6.5	8.8
Food and kindred products	149	155	8.0	8.3	7.4	5.4	9.1	13.6
Textile mill products	26	40	3.7	5.6	1.9	4.5	5.5	6.7
Apparel and other textile products	125	126	9.6	11.6	14.1	5.4	8.1	13.5
Paper and allied products	17	42	2.1	5.7	1.4	6.1	3.8	4.3
Printing and publishing	52	64	2.8	3.4	2.6	2.9	3.1	4.0
Chemicals and allied products	48	45	3.3	3.3	2.8	2.0	4.5	5.9
Rubber and miscellaneous plastics products	51	44	6.4	5.4	4.1	4.8	9.7	6.7
Other nondurable goods industries	30	26	7.3	7.0	6.5	4.0	9.1	10.7
Transportation and public utilities	274	235	4.3	3.7	4.7	4.3	3.2	2.3
Transportation	217	196	5.8	5.2	6.0	5.7	5.3	3.7
Communications and other public utilities	57	39	2.1	1.5	2.6	1.8	1.1	1.0
Wholesale and retail trade	1,357	1,496	5.9	6.4	5.2	6.1	6.8	6.8
Wholesale trade	151	172	3.5	4.0	3.4	4.0	3.8	3.8
Retail trade	1,205	1,324	6.5	7.0	5.8	6.8	7.2	7.2
Finance, insurance, and real estate	236	223	3.2	3.0	3.3	3.0	3.2	3.0
Service industries	1,097	1,196	4.2	4.5	4.0	5.1	4.4	4.2
Professional services	365	384	2.5	2.5	1.6	2.4	2.9	2.6
Other service industries	732	812	6.5	7.1	5.9	7.2	7.0	7.1
Agricultural wage and salary workers	189	213	11.1	12.5	11.3	12.9	10.2	11.2
Government, self-employed, and unpaid family workers	607	533	2.1	1.8	2.3	2.0	1.9	1.7
No previous work experience	636	631	-	-	-	-	-	-

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
NUMBER OF UNEMPLOYED												
Total unemployed	6,378	6,697	3,019	3,277	2,341	2,380	1,018	1,040	4,664	5,018	1,483	1,440
Job losers	3,176	3,378	2,059	2,176	927	980	190	221	2,383	2,644	685	633
On layoff	996	1,165	667	795	266	311	64	59	815	1,025	159	117
Other job losers	2,180	2,212	1,392	1,381	661	669	126	161	1,568	1,619	526	516
Job leavers	850	955	364	420	372	375	113	161	660	714	159	187
Reentrants	1,721	1,798	524	602	912	901	286	295	1,217	1,294	427	442
New entrants	631	565	72	79	130	123	429	363	405	365	212	177
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.8	50.4	68.2	66.4	39.5	41.2	18.6	21.2	51.1	52.7	46.2	44.0
On layoff	15.6	17.4	22.1	24.3	11.3	13.1	6.2	5.7	17.5	20.4	10.7	8.1
Other job losers	34.2	33.0	46.1	42.1	28.2	28.1	12.4	15.5	33.6	32.3	35.5	35.8
Job leavers	13.3	14.3	12.1	12.8	15.9	15.7	11.1	15.4	14.1	14.2	10.7	13.0
Reentrants	27.0	26.9	17.3	18.4	38.9	37.9	28.1	28.4	26.1	25.8	28.8	30.7
New entrants	9.9	8.4	2.4	2.4	5.6	5.2	42.1	34.9	8.7	7.3	14.3	12.3
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	2.6	2.7	3.3	3.4	1.8	1.9	2.7	3.1	2.3	2.5	5.2	4.7
Job leavers .....	.7	.8	.6	.7	.7	.7	1.6	2.3	.6	.7	1.2	1.4
Reentrants	1.4	1.5	.8	.9	1.8	1.7	4.0	4.1	1.2	1.2	3.2	3.3
New entrants .....	.5	.5	.1	.1	.3	.2	6.0	5.1	.4	.3	1.6	1.3

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	March 1990						
	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	6,697	100.0	42.7	34.2	23.1	13.2	9.9
Job losers	3,378	100.0	35.4	37.6	26.9	16.1	10.8
On layoff	1,165	100.0	43.5	36.4	20.1	17.1	2.9
Other job losers	2,212	100.0	31.2	38.3	30.6	15.6	14.9
Job leavers	955	100.0	49.8	32.3	17.9	12.1	5.8
Reentrants	1,798	100.0	49.7	30.9	19.4	9.2	10.2
New entrants	565	100.0	51.7	27.2	21.1	10.2	10.9
Men, 20 years and over	3,277	100.0	34.7	35.2	30.1	16.9	13.2
Job losers	2,176	100.0	33.3	37.0	29.6	17.0	12.6
On layoff	795	100.0	42.7	36.0	21.3	18.3	3.0
Other job losers	1,381	100.0	27.9	37.6	34.5	16.2	18.2
Job leavers	420	100.0	41.4	32.5	26.1	16.2	9.9
Reentrants	602	100.0	35.2	32.6	32.2	16.5	15.7
New entrants	79	100.0	31.5	19.0	49.5	23.2	26.4
Women, 20 years and over	2,380	100.0	46.4	35.2	18.4	10.5	7.9
Job losers	980	100.0	35.3	40.9	23.8	14.9	8.9
On layoff	311	100.0	43.9	39.1	17.0	13.6	3.4
Other job losers	669	100.0	31.3	41.8	26.9	15.5	11.5
Job leavers	375	100.0	55.3	33.1	11.6	9.9	1.7
Reentrants	901	100.0	54.9	30.6	14.5	6.2	8.3
New entrants	123	100.0	45.2	29.8	25.0	8.5	16.5
Both sexes, 16 to 19 years	1,040	100.0	59.5	28.6	11.9	7.8	4.1
Job losers	221	100.0	56.6	29.1	14.4	13.4	1.0
On layoff	59	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	161	100.0	58.3	29.4	12.2	10.9	1.4
Job leavers	161	100.0	59.1	29.7	11.2	7.0	4.2
Reentrants	295	100.0	63.6	28.0	8.4	3.8	4.6
New entrants	363	100.0	58.3	28.2	13.6	8.0	5.6

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

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
Total, 16 years and over	6,378	6,697	100.0	100.0	5,214	5,390	100.0	100.0
Less than 5 weeks	2,756	2,859	43.2	42.7	2,024	2,085	38.8	38.7
5 to 14 weeks	2,072	2,289	32.5	34.2	1,794	1,920	34.4	35.6
5 to 10 weeks	1,357	1,558	21.3	23.3	1,155	1,264	22.2	23.4
11 to 14 weeks	714	731	11.2	10.9	640	656	12.3	12.2
15 weeks and over	1,550	1,549	24.3	23.1	1,396	1,365	26.8	25.7
15 to 26 weeks	851	885	13.3	13.2	762	787	14.6	14.6
27 weeks and over	699	664	11.0	9.9	633	598	12.1	11.1
27 to 51 weeks	312	316	4.9	4.7	271	275	5.2	5.1
52 weeks and over	388	348	6.1	5.2	362	323	6.9	6.0
Average (mean) duration, in weeks	12.9	12.5	-	-	14.0	13.6	-	-
Median duration, in weeks	6.8	6.3	-	-	7.9	7.4	-	-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
	March 1990										
Total, 16 years and over	6,697	2,859	2,289	885	664	12.5	6.3	43.2	42.7	24.3	23.1
16 to 19 years	1,040	619	297	81	43	7.6	3.8	61.9	59.5	12.8	11.9
20 to 24 years	1,164	564	418	104	79	9.8	4.9	50.0	48.4	19.9	15.7
25 to 34 years	1,999	820	711	278	191	12.6	6.9	40.4	41.0	23.2	23.5
35 to 44 years	1,253	440	468	204	142	14.0	8.0	34.2	35.1	30.7	27.6
45 to 54 years	695	240	217	121	116	17.8	9.2	36.2	34.5	33.3	34.2
55 to 64 years	429	139	135	83	72	16.8	9.8	31.6	32.3	34.3	36.1
65 years and over	116	38	43	14	22	15.7	7.4	(¹)	32.6	(¹)	30.5
Men, 16 years and over	3,847	1,471	1,309	608	460	14.0	7.7	38.3	38.2	28.1	27.8
16 to 19 years	570	335	155	53	28	8.1	3.8	57.7	58.7	16.7	14.1
20 to 24 years	674	317	236	71	50	10.1	5.3	45.6	47.0	22.5	18.0
25 to 34 years	1,139	407	399	198	135	14.3	8.5	35.9	35.8	25.3	29.2
35 to 44 years	696	204	257	136	99	15.8	9.7	28.9	29.4	35.7	33.7
45 to 54 years	427	114	145	87	81	20.4	11.6	28.6	26.8	42.2	39.2
55 to 64 years	283	74	99	59	52	18.5	11.5	28.8	26.1	35.8	39.1
65 years and over	58	19	18	5	16	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	2,849	1,388	980	277	204	10.4	4.8	49.5	48.7	19.4	16.9
16 to 19 years	470	284	142	28	15	6.9	3.7	67.4	60.5	7.5	9.2
20 to 24 years	490	247	182	33	29	9.4	4.5	54.7	50.3	17.1	12.6
25 to 34 years	861	413	311	81	56	10.4	5.0	46.2	47.9	20.4	15.9
35 to 44 years	557	235	211	68	43	11.8	6.1	42.0	42.2	23.4	19.9
45 to 54 years	267	126	72	34	36	13.7	5.3	45.4	47.0	22.5	26.1
55 to 64 years	146	65	37	25	20	13.6	5.6	36.9	44.4	31.5	30.3
65 years and over	58	19	25	8	6	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,018	2,198	1,684	667	469	11.9	6.0	42.4	43.8	23.8	22.6
Men	2,956	1,165	997	462	333	13.4	7.3	37.6	39.4	28.1	26.9
Women	2,062	1,034	688	205	136	9.8	4.5	49.1	50.1	17.9	16.5
Black, 16 years and over	1,440	556	524	183	176	14.7	7.1	44.7	38.6	25.5	25.0
Men	756	253	272	118	114	16.6	8.8	39.6	33.5	28.0	30.6
Women	683	303	252	66	62	12.6	5.4	49.9	44.3	22.8	18.7
Men, 16 years and over:											
Married, spouse present	1,517	507	532	280	197	15.3	9.1	30.1	33.4	32.2	31.5
Widowed, divorced, or separated	523	162	179	97	85	16.1	9.1	34.5	31.0	33.5	34.8
Single (never married)	1,808	801	598	231	178	12.3	6.0	46.3	44.3	23.0	22.6
Women, 16 years and over:											
Married, spouse present	1,102	527	380	123	73	10.4	5.0	47.0	47.8	21.2	17.7
Widowed, divorced, or separated	622	278	214	75	56	12.1	5.7	42.9	44.7	24.1	21.1
Single (never married)	1,125	583	387	80	75	9.6	4.3	55.6	51.8	15.1	13.8

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
OCCUPATION											
Managerial and professional specialty	574	243	195	76	60	12.3	6.2	33.0	42.3	29.0	23.7
Technical, sales, and administrative support	1,455	650	505	186	113	11.0	5.8	44.9	44.7	20.6	20.6
Service occupations	1,056	486	342	107	121	13.6	5.4	50.8	46.0	23.4	21.6
Precision production, craft, and repair	864	322	286	159	96	13.9	8.1	36.8	37.3	30.9	29.6
Operators, fabricators, and laborers	1,827	726	656	254	191	13.0	7.1	37.7	39.7	26.5	24.4
Farming, forestry, and fishing	254	75	120	41	19	12.9	10.1	36.6	29.5	27.2	23.6
INDUSTRY¹											
Agriculture	213	79	95	26	13	10.5	7.9	40.9	37.1	23.4	18.3
Construction	853	312	292	163	86	13.4	8.9	28.4	36.6	32.5	29.1
Manufacturing	1,287	515	446	174	152	14.1	7.0	40.8	40.0	26.6	25.3
Durable goods	742	267	250	126	99	15.4	7.8	38.8	36.0	28.8	30.3
Nondurable goods	545	248	197	48	52	12.2	5.8	43.3	45.5	23.8	18.3
Transportation and public utilities	266	106	84	48	28	13.5	7.7	37.5	39.8	29.0	28.6
Wholesale and retail trade	1,498	677	531	160	130	11.3	5.5	47.3	45.2	20.5	19.4
Finance and service industries	1,605	693	566	197	148	12.1	6.2	44.4	43.2	24.5	21.5
Public administration	105	33	37	22	13	14.2	8.5	30.7	31.4	33.9	33.3
No previous work experience	631	337	171	60	64	11.2	4.2	63.0	53.4	12.8	19.7

¹ Includes wage and salary workers only.

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

Sex, age, and race	March 1990								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	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	6,697	5,422	24.5	8.5	72.9	37.4	18.3	4.6	1.66
16 to 19 years	1,040	970	11.4	4.0	78.5	26.4	13.1	2.4	1.36
20 to 24 years	1,164	974	24.4	8.2	74.6	39.1	22.3	4.6	1.73
25 to 34 years	1,999	1,604	27.8	9.5	72.7	39.5	17.7	4.0	1.71
35 to 44 years	1,253	977	28.9	9.7	71.8	41.4	21.0	5.2	1.78
45 to 54 years	695	510	30.3	12.6	68.1	38.2	17.1	7.4	1.74
55 to 64 years	429	295	25.7	9.1	65.4	41.8	14.9	8.3	1.65
65 years and over	116	93	21.0	2.4	61.7	40.4	32.4	2.0	1.60
Men, 16 years and over	3,847	2,950	27.1	8.2	74.8	34.3	21.2	4.8	1.70
16 to 19 years	570	527	13.9	2.8	77.9	25.9	15.8	1.5	1.38
20 to 24 years	674	545	27.5	6.6	76.2	33.9	26.0	3.5	1.74
25 to 34 years	1,139	836	30.9	9.1	75.6	39.8	21.0	4.4	1.81
35 to 44 years	696	500	32.0	11.0	74.9	35.2	22.7	5.8	1.82
45 to 54 years	427	303	34.6	13.8	69.5	32.5	17.5	9.9	1.78
55 to 64 years	283	189	24.1	10.4	67.7	34.4	18.4	9.5	1.64
65 years and over	58	50	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	2,849	2,472	21.3	8.7	70.6	41.2	15.0	4.3	1.61
16 to 19 years	470	443	8.4	5.4	79.1	27.0	9.8	3.5	1.33
20 to 24 years	490	429	20.5	10.3	72.6	45.7	17.5	5.9	1.72
25 to 34 years	861	767	24.3	9.9	69.5	39.3	14.2	3.6	1.61
35 to 44 years	557	477	25.7	8.3	68.5	47.9	19.2	4.6	1.74
45 to 54 years	267	207	23.9	10.8	66.1	46.5	16.6	3.7	1.68
55 to 64 years	146	105	28.7	6.8	61.4	55.1	8.7	6.2	1.67
65 years and over	58	43	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,018	3,904	23.8	8.0	73.8	38.8	19.1	5.0	1.68
Men	2,956	2,165	27.2	8.4	75.1	35.8	21.9	5.2	1.74
Women	2,062	1,738	19.5	7.5	72.1	42.6	15.6	4.8	1.62
Black, 16 years and over	1,440	1,309	26.7	10.3	71.0	33.5	16.7	2.5	1.61
Men	756	668	27.3	8.5	74.7	31.4	19.9	1.8	1.64
Women	683	641	26.0	12.1	67.1	35.7	13.4	3.2	1.57

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

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

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

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

Sex and reason	March 1990								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	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	6,697	5,422	24.5	8.5	72.9	37.4	18.3	4.6	1.66
Job losers ¹	3,378	2,180	33.0	9.0	73.9	39.5	22.0	4.1	1.82
Job leavers	955	922	22.7	10.0	74.8	43.2	16.2	5.1	1.72
Reentrants	1,798	1,758	18.3	7.9	69.3	34.7	15.6	5.5	1.51
New entrants	565	563	13.7	5.4	76.8	28.6	16.0	2.4	1.43
Men, 16 years and over	3,847	2,950	27.1	8.2	74.8	34.3	21.2	4.8	1.70
Job losers ¹	2,319	1,474	33.9	8.8	75.4	37.8	23.6	4.1	1.84
Job leavers	516	490	26.6	9.8	76.0	35.3	19.4	5.6	1.73
Reentrants	759	735	19.1	6.9	72.7	28.4	19.1	6.4	1.53
New entrants	254	251	12.0	5.8	75.4	28.6	16.4	2.3	1.41
Women, 16 years and over	2,849	2,472	21.3	8.7	70.6	41.2	15.0	4.3	1.61
Job losers ¹	1,058	706	31.0	9.5	70.9	42.9	18.8	4.1	1.77
Job leavers	440	431	18.2	10.2	73.4	52.2	12.6	4.5	1.71
Reentrants	1,039	1,023	17.7	8.7	66.9	39.3	13.1	4.9	1.51
New entrants	312	311	15.2	5.1	78.0	28.6	15.6	2.4	1.45

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
All industries	115,844	117,093	63,354	63,735	52,491	53,357
16 to 19 years	6,192	6,095	3,163	3,081	3,029	3,014
16 to 17 years	2,313	2,231	1,176	1,128	1,137	1,103
18 to 19 years	3,879	3,864	1,987	1,953	1,892	1,911
20 to 24 years	12,831	12,419	6,745	6,488	6,086	5,931
25 to 54 years	81,932	83,710	44,890	45,713	37,043	37,996
25 to 34 years	33,748	33,873	18,737	18,677	15,011	15,196
35 to 44 years	29,101	30,264	15,732	16,380	13,370	13,884
45 to 54 years	19,083	19,573	10,421	10,657	8,662	8,916
55 to 64 years	11,490	11,375	6,533	6,416	4,957	4,959
55 to 59 years	6,874	6,782	3,906	3,812	2,968	2,970
60 to 64 years	4,616	4,593	2,627	2,604	1,989	1,989
65 years and over	3,399	3,494	2,022	2,037	1,377	1,456
Agriculture	2,934	2,938	2,299	2,288	635	650
16 to 19 years	174	216	133	164	41	52
16 to 17 years	71	102	62	75	9	27
18 to 19 years	103	114	71	89	32	25
20 to 24 years	350	280	283	214	67	66
25 to 54 years	1,714	1,787	1,316	1,377	398	410
25 to 34 years	747	780	586	619	161	160
35 to 44 years	561	580	429	434	132	146
45 to 54 years	407	427	302	324	105	103
55 to 64 years	414	391	322	301	92	91
55 to 59 years	205	190	153	141	52	49
60 to 64 years	209	201	170	160	39	42
65 years and over	282	264	244	233	37	31
Nonagricultural industries	112,911	114,155	61,055	61,447	51,856	52,708
16 to 19 years	6,018	5,879	3,030	2,917	2,988	2,962
16 to 17 years	2,242	2,129	1,114	1,053	1,128	1,076
18 to 19 years	3,776	3,750	1,916	1,864	1,860	1,886
20 to 24 years	12,481	12,139	6,462	6,274	6,018	5,865
25 to 54 years	80,218	81,922	43,574	44,336	36,645	37,586
25 to 34 years	33,002	33,093	18,152	18,057	14,850	15,036
35 to 44 years	28,541	29,684	15,303	15,946	13,238	13,738
45 to 54 years	18,676	19,145	10,119	10,333	8,557	8,812
55 to 64 years	11,076	10,984	6,211	6,115	4,865	4,869
55 to 59 years	6,669	6,592	3,753	3,671	2,916	2,921
60 to 64 years	4,407	4,392	2,458	2,445	1,949	1,947
65 years and over	3,118	3,230	1,778	1,804	1,340	1,426

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
Total	115,844	117,093	63,354	63,735	60,191	60,654	52,491	53,357	49,462	50,343
Managerial and professional specialty	30,520	30,746	16,718	16,686	16,620	16,594	13,803	14,061	13,697	13,904
Executive, administrative, and managerial	14,804	14,743	8,863	8,788	8,805	8,758	5,941	5,955	5,910	5,897
Officials and administrators, public administration	600	682	372	414	370	414	227	267	227	268
Other executive, administrative, and managerial	10,253	10,123	6,590	6,418	6,540	6,391	3,662	3,705	3,630	3,652
Management-related occupations	3,952	3,938	1,901	1,956	1,895	1,952	2,051	1,983	2,052	1,978
Professional specialty	15,717	16,003	7,855	7,898	7,815	7,836	7,862	8,106	7,788	8,006
Engineers	1,760	1,947	1,641	1,775	1,641	1,775	119	172	119	172
Mathematical and computer scientists	870	933	570	613	568	610	300	321	300	321
Natural scientists	435	374	330	275	330	275	105	99	105	99
Health diagnosing occupations	862	860	736	714	734	713	126	145	126	144
Health assessment and treating occupations	2,289	2,286	380	308	380	307	1,909	1,978	1,907	1,972
Teachers, college and university	723	820	440	533	435	519	283	287	275	277
Teachers, except college and university	4,197	4,164	1,173	1,143	1,172	1,130	3,024	3,021	2,986	2,983
Lawyers and judges	747	734	591	582	591	582	156	153	156	152
Other professional specialty occupations	3,834	3,886	1,993	1,955	1,963	1,926	1,841	1,931	1,813	1,886
Technical, sales, and administrative support	35,402	37,033	12,375	13,050	11,791	12,369	23,027	23,983	21,377	22,331
Technicians and related support	3,633	3,905	1,883	1,956	1,869	1,914	1,751	1,949	1,738	1,913
Health technologists and technicians	1,256	1,305	196	207	193	207	1,060	1,097	1,059	1,080
Engineering and science technicians	1,159	1,271	953	963	948	933	206	308	198	295
Technicians, except health, engineering, and science	1,218	1,329	733	786	729	774	485	543	481	538
Sales occupations	13,682	14,310	6,972	7,325	6,581	6,935	6,709	6,985	5,722	5,992
Supervisors and proprietors	3,685	3,908	2,376	2,536	2,354	2,519	1,309	1,372	1,282	1,339
Sales representatives, finance and business services	2,432	2,481	1,372	1,415	1,363	1,409	1,060	1,067	1,030	1,039
Sales representatives, commodities, except retail	1,602	1,587	1,272	1,240	1,261	1,240	330	347	320	336
Sales workers, retail and personal services	5,923	6,282	1,941	2,123	1,591	1,756	3,982	4,159	3,066	3,244
Sales-related occupations	40	51	12	11	12	11	27	40	24	35
Administrative support, including clerical	18,087	18,818	3,520	3,769	3,342	3,521	14,567	15,049	13,917	14,425
Supervisors	714	727	286	277	286	277	427	450	426	446
Computer equipment operators	800	787	268	252	263	247	533	536	500	511
Secretaries, stenographers, and typists	4,846	4,664	87	79	74	72	4,759	4,585	4,571	4,413
Financial records processing	2,282	2,531	194	221	190	216	2,088	2,309	2,041	2,262
Mail and message distributing	1,019	992	667	632	650	611	352	361	328	341
Other administrative support, including clerical	8,426	9,116	2,018	2,308	1,879	2,098	6,408	6,808	6,052	6,452
Service occupations	15,403	15,481	6,154	6,182	5,248	5,368	9,249	9,299	8,244	8,330
Private household	873	754	23	26	19	22	850	728	722	616
Protective service	1,933	2,032	1,645	1,750	1,621	1,718	288	282	278	266
Service, except private household and protective	12,597	12,694	4,486	4,405	3,609	3,628	8,111	8,289	7,243	7,448
Food service	5,318	5,165	2,196	2,051	1,520	1,462	3,122	3,114	2,534	2,542
Health service	2,038	2,069	219	214	199	204	1,819	1,854	1,711	1,783
Cleaning and building service	2,883	3,092	1,638	1,715	1,509	1,575	1,245	1,377	1,181	1,310
Personal service	2,358	2,369	433	426	380	387	1,925	1,944	1,818	1,812
Precision production, craft, and repair	13,573	13,503	12,374	12,356	12,071	12,110	1,199	1,147	1,185	1,116
Mechanics and repairers	4,597	4,398	4,418	4,251	4,313	4,166	179	147	175	144
Construction trades	4,843	4,980	4,722	4,884	4,569	4,782	121	96	120	92
Other precision production, craft, and repair	4,133	4,125	3,234	3,221	3,188	3,162	899	904	890	879
Operators, fabricators, and laborers	17,949	17,327	13,221	12,966	12,105	11,913	4,728	4,361	4,514	4,194
Machine operators, assemblers, and inspectors	8,428	7,789	4,971	4,682	4,757	4,508	3,457	3,107	3,347	3,046
Manufacturing industries	6,871	6,448	4,002	3,834	3,852	3,691	2,869	2,614	2,786	2,563
Durable goods	3,779	3,556	2,588	2,455	2,494	2,376	1,191	1,101	1,162	1,086
Nondurable goods	3,092	2,892	1,414	1,379	1,358	1,315	1,678	1,513	1,623	1,477
Nonmanufacturing industries	1,556	1,341	969	848	905	817	587	494	561	483
Transportation and material moving occupations	4,768	4,760	4,305	4,308	4,185	4,190	463	453	450	442
Motor vehicle operators	3,523	3,605	3,111	3,193	3,005	3,088	412	412	404	402
Other transportation and material moving occupations	1,245	1,155	1,194	1,115	1,180	1,102	51	40	46	40
Handlers, equipment cleaners, helpers, and laborers	4,754	4,778	3,945	3,977	3,163	3,215	809	801	717	706
Construction laborers	707	707	697	685	615	642	9	22	8	18
Other handlers, equipment cleaners, helpers, and laborers	4,046	4,071	3,247	3,291	2,548	2,572	799	779	708	689
Farming, forestry, and fishing	2,996	3,003	2,511	2,496	2,355	2,301	485	507	446	469
Farm operators and managers	1,179	1,230	1,031	1,052	1,029	1,043	148	178	145	176
Other farming, forestry, and fishing occupations	1,818	1,773	1,480	1,444	1,326	1,258	337	329	301	292

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
TOTAL						
Total, 16 years and over (thousands)	115,844	117,093	63,354	63,735	52,491	53,357
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	26.3	26.3	26.4	26.2	26.3	26.4
Executive, administrative, and managerial	12.8	12.6	14.0	13.8	11.3	11.2
Professional specialty	13.6	13.7	12.4	12.4	15.0	15.2
Technical, sales, and administrative support	30.6	31.6	19.5	20.5	43.9	44.9
Technicians and related support	3.1	3.3	3.0	3.1	3.3	3.7
Sales occupations	11.8	12.2	11.0	11.5	12.8	13.1
Administrative support, including clerical	15.6	16.1	5.6	5.9	27.8	28.2
Service occupations	13.3	13.2	9.7	9.7	17.6	17.4
Private household .....	.8	.6	(¹)	-	1.6	1.4
Protective service	1.7	1.7	2.6	2.7	.5	.5
Service, except private household and protective	10.9	10.8	7.1	6.9	15.5	15.5
Precision production, craft, and repair	11.7	11.5	19.5	19.4	2.3	2.1
Operators, fabricators, and laborers	15.5	14.8	20.9	20.3	9.0	8.2
Machine operators, assemblers, and inspectors	7.3	6.7	7.8	7.3	6.6	5.8
Transportation and material moving occupations	4.1	4.1	6.8	6.8	.9	.8
Handlers, equipment cleaners, helpers, and laborers	4.1	4.1	6.2	6.2	1.5	1.5
Farming, forestry, and fishing	2.6	2.6	4.0	3.9	.9	1.0
White						
Total, 16 years and over (thousands)	100,435	101,273	55,615	55,835	44,820	45,438
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	27.5	27.4	27.6	27.3	27.4	27.4
Executive, administrative, and managerial	13.5	13.3	14.9	14.6	11.8	11.6
Professional specialty	14.0	14.1	12.7	12.7	15.5	15.8
Technical, sales, and administrative support	31.0	32.0	19.8	20.8	44.8	45.7
Technicians and related support	3.1	3.3	3.0	3.1	3.2	3.5
Sales occupations	12.4	12.8	11.6	12.1	13.3	13.7
Administrative support, including clerical	15.5	15.9	5.2	5.6	28.2	28.5
Service occupations	12.1	12.0	8.7	8.7	16.4	16.1
Private household .....	.6	.5	(¹)	-	1.3	1.1
Protective service	1.6	1.6	2.4	2.6	.5	.5
Service, except private household and protective	10.0	9.9	6.3	6.1	14.6	14.5
Precision production, craft, and repair	12.1	11.9	20.1	19.9	2.2	2.1
Operators, fabricators, and laborers	14.6	14.0	19.7	19.2	8.3	7.6
Machine operators, assemblers, and inspectors	6.9	6.3	7.5	7.1	6.0	5.3
Transportation and material moving occupations	4.0	3.9	6.5	6.4	.9	.9
Handlers, equipment cleaners, helpers, and laborers	3.8	3.8	5.7	5.8	1.4	1.4
Farming, forestry, and fishing	2.7	2.7	4.1	4.1	1.0	1.1
Black						
Total, 16 years and over (thousands)	11,761	11,954	5,817	5,834	5,944	6,119
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	15.9	16.2	13.6	13.4	18.2	18.8
Executive, administrative, and managerial	7.1	7.3	6.5	6.5	7.6	8.0
Professional specialty	8.9	8.9	7.1	6.9	10.5	10.7
Technical, sales, and administrative support	27.0	28.4	15.1	16.6	38.6	39.7
Technicians and related support	3.0	3.0	1.9	2.2	4.0	3.8
Sales occupations	7.2	7.4	5.3	6.3	8.9	8.5
Administrative support, including clerical	16.9	17.9	7.9	8.0	25.7	27.4
Service occupations	22.4	22.3	17.7	17.5	26.9	27.0
Private household	2.0	1.5	.1	-	4.0	2.9
Protective service	2.7	2.7	4.6	4.5	.9	1.1
Service, except private household and protective	17.6	18.1	13.1	13.0	22.0	23.0
Precision production, craft, and repair	9.3	9.1	16.6	16.3	2.2	2.3
Operators, fabricators, and laborers	23.6	22.4	33.9	33.4	13.7	12.0
Machine operators, assemblers, and inspectors	10.6	9.7	11.1	10.5	10.1	8.8
Transportation and material moving occupations	5.9	6.2	10.6	11.6	1.3	1.0
Handlers, equipment cleaners, helpers, and laborers	7.2	6.6	12.2	11.2	2.2	2.2
Farming, forestry, and fishing	1.8	1.5	3.1	2.8	.5	.3

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	March 1990								
	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	105,230	950	17,972	86,308	8,640	284	1,489	1,349	100
16 to 19 years	5,796	134	326	5,335	70	13	180	16	19
16 to 17 years	2,099	91	69	1,939	24	6	73	14	15
18 to 19 years	3,697	43	257	3,396	46	7	107	2	5
20 to 24 years	11,847	86	1,128	10,633	273	19	224	53	3
25 to 34 years	31,056	171	4,421	26,464	1,990	47	476	282	22
35 to 44 years	27,064	140	5,706	21,218	2,542	77	283	282	15
45 to 54 years	17,211	133	3,851	13,227	1,854	80	156	254	18
55 to 64 years	9,630	186	2,097	7,346	1,322	32	121	256	15
55 to 59 years	5,813	97	1,247	4,469	763	16	57	124	9
60 to 64 years	3,816	89	850	2,877	559	16	64	132	6
65 years and over	2,626	99	442	2,085	589	16	50	206	8
Men, 16 years and over	55,947	110	8,292	47,545	5,449	51	1,115	1,141	32
16 to 19 years	2,867	20	131	2,717	43	7	132	17	15
16 to 17 years	1,034	14	37	983	17	2	51	14	10
18 to 19 years	1,834	6	94	1,734	26	5	81	3	5
20 to 24 years	6,110	12	481	5,617	154	10	169	42	3
25 to 34 years	16,844	31	2,058	14,755	1,206	8	365	247	7
35 to 44 years	14,343	12	2,600	11,731	1,594	9	211	221	2
45 to 54 years	9,166	9	1,797	7,360	1,161	6	113	211	-
55 to 64 years	5,220	15	1,006	4,199	893	2	84	213	4
55 to 59 years	3,179	11	600	2,567	491	1	37	103	1
60 to 64 years	2,042	4	406	1,632	402	1	47	109	3
65 years and over	1,396	11	219	1,166	399	9	41	190	2
Women, 16 years and over	49,283	840	9,680	38,763	3,191	233	375	208	68
16 to 19 years	2,929	114	196	2,619	27	7	48	-	4
16 to 17 years	1,065	77	32	957	7	4	22	-	5
18 to 19 years	1,863	37	164	1,662	20	2	26	-	-
20 to 24 years	5,737	74	648	5,016	119	8	55	11	-
25 to 34 years	14,212	141	2,363	11,708	785	39	111	35	15
35 to 44 years	12,721	129	3,106	9,487	948	69	72	61	14
45 to 54 years	6,045	124	2,055	5,867	693	74	43	42	18
55 to 64 years	4,409	171	1,091	3,147	429	30	37	43	11
55 to 59 years	2,635	86	647	1,902	272	14	21	21	8
60 to 64 years	1,775	85	444	1,245	157	15	16	22	3
65 years and over	1,230	87	223	919	190	6	9	16	6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	March 1990												
	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 ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	2,938	92	76	27	25	102	-	11	48	14	43	18	2,482
Mining	724	120	62	25	5	76	-	14	249	19	113	39	1
Construction	7,487	1,025	152	65	55	429	-	43	4,309	106	479	812	12
Manufacturing	21,034	2,494	1,799	838	756	2,345	-	349	4,052	6,448	763	1,107	83
Durable goods	12,563	1,525	1,214	588	313	1,303	-	186	2,843	3,556	406	554	76
Nondurable goods	8,471	969	585	250	443	1,042	-	164	1,209	2,892	357	553	7
Transportation and public utilities	8,078	935	488	289	351	2,135	-	263	1,245	114	1,764	479	14
Wholesale and retail trade	23,949	1,945	471	119	10,219	2,303	-	4,276	1,448	260	993	1,892	23
Wholesale trade	4,517	518	95	45	1,842	733	-	33	313	108	465	355	8
Retail trade	19,431	1,426	376	74	8,377	1,570	-	4,242	1,135	151	528	1,536	15
Finance, insurance, and real estate	8,141	2,157	245	171	1,938	3,097	-	275	158	13	21	18	47
Services	39,145	4,679	11,999	2,153	943	6,798	754	8,065	1,756	786	530	376	305
Private households	969	2	11	1	1	9	754	109	7	3	9	17	45
Other service industries	38,176	4,677	11,989	2,152	941	6,789	-	7,955	1,749	784	521	359	260
Professional services	25,587	2,598	10,570	1,749	178	4,907	-	4,536	362	228	296	89	74
Public administration	5,597	1,296	711	218	18	1,533	-	1,428	237	29	54	37	36

¹ Includes protective service, not shown separately.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Mar. 1989	Mar. 1990	Total		Wage and salary workers ¹			
			Mar. 1989	Mar. 1990	Paid absences		Unpaid absences	
					Mar. 1989	Mar. 1990	Mar. 1989	Mar. 1990
Total, 16 years and over	4,779	4,784	4,639	4,679	2,036	2,190	1,997	1,887
Vacation	1,931	2,155	1,901	2,139	1,197	1,304	514	615
Illness	1,481	1,366	1,446	1,343	603	564	705	662
Bad weather	192	111	156	92	(²)	(²)	(²)	(²)
Industrial dispute	31	32	31	31	(²)	(²)	(²)	(²)
All other reasons	1,143	1,121	1,104	1,074	237	323	778	610
Men, 16 years and over	2,386	2,369	2,275	2,283	1,012	1,128	878	818
Vacation	978	1,092	961	1,079	623	693	221	265
Illness	732	674	706	652	297	296	324	293
All other reasons ³	675	604	608	552	91	139	332	260
Women, 16 years and over	2,394	2,415	2,364	2,395	1,026	1,063	1,118	1,069
Vacation	954	1,062	940	1,060	572	611	291	350
Illness	749	692	740	691	308	268	381	368
All other reasons ³	691	661	684	644	146	184	446	351

¹ Excludes private household workers.

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

³ Includes bad weather and industrial dispute, not shown separately.
NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

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

Hours of work	March 1990					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	112,309	2,832	109,476	100.0	100.0	100.0
1 to 34 hours	26,338	827	25,511	23.5	29.2	23.3
1 to 4 hours	816	39	777	.7	1.4	.7
5 to 14 hours	4,753	225	4,528	4.2	7.9	4.1
15 to 29 hours	13,325	418	12,907	11.9	14.8	11.8
30 to 34 hours	7,445	146	7,299	6.6	5.2	6.7
35 hours and over	85,970	2,005	83,965	76.5	70.8	76.7
35 to 39 hours	7,298	122	7,177	6.5	4.3	6.6
40 hours	44,375	714	43,661	39.5	25.2	39.9
41 hours and over	34,297	1,169	33,128	30.5	41.3	30.3
41 to 48 hours	12,623	238	12,384	11.2	8.4	11.3
49 to 59 hours	12,581	323	12,258	11.2	11.4	11.2
60 hours and over	9,094	608	8,486	8.1	21.5	7.8
Average hours, total at work	39.3	41.8	39.3	-	-	-
Average hours, workers on full-time schedules	43.8	49.6	43.7	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	March 1990					
	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	26,338	6,909	19,429	25,511	6,669	18,842
Economic reasons	4,814	1,854	2,960	4,605	1,756	2,849
Slack work	2,503	1,523	980	2,355	1,436	919
Material shortages or repairs to plant and equipment	85	85	-	81	81	-
New job started during week	167	167	-	164	164	-
Job terminated during week	79	79	-	76	76	-
Could find only part-time work	1,980	-	1,980	1,931	-	1,931
Other reasons	21,524	5,055	16,469	20,905	4,912	15,993
Does not want, or unavailable for, full-time work	13,909	-	13,909	13,539	-	13,539
Vacation	1,337	1,337	-	1,326	1,326	-
Illness	1,766	1,550	216	1,729	1,524	205
Bad weather	408	408	-	347	347	-
Industrial dispute	18	18	-	18	18	-
Legal or religious holiday	36	36	-	37	37	-
Full time for this job	1,675	-	1,675	1,653	-	1,653
All other reasons	2,375	1,705	670	2,257	1,661	596
Average hours:						
Economic reasons	22.7	24.8	21.3	22.8	24.9	21.5
Other reasons	20.8	25.5	19.4	20.9	25.6	19.4
Worked 30 to 34 hours:						
Economic reasons	1,689	904	785	1,645	868	777
Other reasons	5,756	2,612	3,144	5,654	2,558	3,096

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	March 1990								
	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	109,476	4,605	15,993	88,878	55,750	12,384	20,743	39.3	43.7
Wage and salary workers	101,106	3,983	14,410	82,712	53,015	11,809	17,888	39.2	43.4
Mining	671	14	9	648	321	122	205	45.9	46.8
Construction	5,869	375	270	5,224	3,552	664	1,009	40.1	42.5
Manufacturing	19,962	533	746	18,683	11,669	3,258	3,756	42.1	43.4
Durable goods	11,940	221	319	11,400	7,018	2,060	2,323	42.6	43.5
Nondurable goods	8,021	311	427	7,283	4,652	1,198	1,433	41.4	43.3
Transportation and public utilities	7,440	224	463	6,752	4,161	1,006	1,585	42.0	44.2
Wholesale and retail trade	21,223	1,279	5,230	14,714	8,726	2,329	3,659	36.8	44.0
Finance, insurance, and real estate	7,207	122	668	6,417	4,293	822	1,302	40.4	42.7
Service industries	33,357	1,393	6,768	25,196	16,627	3,036	5,533	37.4	43.2
Private households	906	128	433	346	217	31	98	27.1	45.8
All other industries	32,451	1,265	6,335	24,850	16,410	3,005	5,435	37.7	43.2
Public administration	5,378	43	256	5,078	3,666	573	839	41.2	42.5
Self-employed workers	8,086	617	1,461	6,008	2,642	564	2,802	40.7	48.2
Unpaid family workers	284	5	122	157	93	11	54	34.9	45.0

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

(Numbers in thousands)

Sex, age, race, and marital status	March 1990							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	109,476	4,605	15,993	88,878	55,750	33,128	39.3	43.7
16 to 19 years	5,664	358	3,659	1,647	1,289	359	23.7	39.9
16 to 17 years	2,046	64	1,819	163	153	10	16.6	33.3
18 to 19 years	3,618	294	1,840	1,484	1,136	349	27.7	40.6
20 years and over	103,812	4,248	12,334	87,230	54,461	32,769	40.1	43.8
20 to 24 years	11,722	746	2,265	8,711	6,147	2,564	36.6	42.2
25 years and over	92,091	3,502	10,069	78,520	48,314	30,205	40.6	44.0
25 to 44 years	60,418	2,395	5,487	52,536	31,768	20,768	41.1	44.1
45 to 64 years	28,670	968	3,122	24,580	15,549	9,031	40.6	43.8
65 years and over	3,002	139	1,460	1,403	996	407	29.4	42.3
Men, 16 years and over	59,164	2,178	4,922	52,063	28,890	23,174	42.2	45.2
16 to 19 years	2,813	168	1,739	905	653	252	24.8	41.0
16 to 17 years	1,006	37	880	90	84	5	17.2	33.9
18 to 19 years	1,806	132	859	816	569	247	29.1	41.7
20 years and over	56,351	2,010	3,183	51,158	28,236	22,922	43.0	45.3
20 to 24 years	6,091	393	977	4,721	3,111	1,610	38.0	43.1
25 years and over	50,260	1,617	2,206	46,437	25,126	21,312	43.6	45.5
25 to 44 years	32,931	1,108	805	31,018	16,368	14,650	44.3	45.6
45 to 64 years	15,659	431	641	14,587	8,213	6,374	43.6	45.2
65 years and over	1,670	78	760	832	545	287	30.5	43.3
Women, 16 years and over	50,313	2,427	11,071	36,815	26,860	9,954	35.9	41.6
16 to 19 years	2,851	189	1,920	742	635	107	22.6	38.6
16 to 17 years	1,040	27	939	73	69	5	16.0	(¹)
18 to 19 years	1,812	162	980	669	567	102	26.4	39.3
20 years and over	47,461	2,238	9,151	36,072	26,225	9,848	36.7	41.7
20 to 24 years	5,631	353	1,287	3,990	3,036	954	35.0	41.1
25 years and over	41,831	1,885	7,864	32,082	23,189	8,893	36.9	41.8
25 to 44 years	27,488	1,287	4,683	21,518	15,399	6,119	37.4	41.8
45 to 64 years	13,011	535	2,481	9,995	7,340	2,655	37.0	41.8
65 years and over	1,333	62	700	571	452	120	28.0	40.9
RACE								
White, 16 years and over	94,447	3,809	14,333	76,305	46,263	30,042	39.4	44.0
Men	51,685	1,783	4,398	45,504	24,297	21,207	42.4	45.5
Women	42,762	2,026	9,935	30,801	21,966	8,835	35.7	41.8
Black, 16 years and over	11,364	661	1,155	9,548	7,363	2,185	38.4	41.7
Men	5,537	316	359	4,863	3,505	1,357	40.0	42.7
Women	5,826	345	795	4,685	3,857	828	36.9	40.8
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	37,851	988	1,526	35,337	18,619	16,717	44.0	45.7
Widowed, divorced, or separated	6,091	335	299	5,456	3,033	2,424	42.7	45.1
Single (never married)	15,222	855	3,097	11,270	7,237	4,033	37.2	43.6
Women, 16 years and over:								
Married, spouse present	27,935	1,184	6,433	20,318	15,210	5,108	35.6	41.2
Widowed, divorced, or separated	10,043	566	1,230	8,247	5,792	2,455	38.7	42.4
Single (never married)	12,335	677	3,408	8,250	5,858	2,391	34.3	42.0

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	March 1990								
	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 ¹	109,411	4,608	15,996	88,806	55,642	12,387	20,778	39.3	43.7
Managerial and professional specialty	29,417	515	2,968	25,933	13,570	3,776	8,587	42.6	45.6
Executive, administrative, and managerial	14,202	208	793	13,200	6,422	1,923	4,855	44.6	46.4
Professional specialty	15,215	307	2,176	12,733	7,148	1,853	3,732	40.6	44.7
Technical, sales, and administrative support	35,621	1,176	6,589	27,856	18,737	3,648	5,472	37.9	42.8
Technicians and related support	3,769	59	451	3,259	2,234	461	564	39.8	42.7
Sales occupations	13,770	637	2,911	10,222	5,321	1,440	3,461	39.0	45.5
Administrative support, including clerical	18,081	479	3,226	14,375	11,182	1,747	1,446	36.6	40.8
Service occupations	14,760	1,230	4,237	9,293	6,716	1,002	1,575	34.0	42.4
Private household	719	89	359	271	173	28	70	26.4	44.7
Protective service	1,927	48	182	1,698	979	302	417	42.1	45.2
Service, except private household and protective	12,114	1,093	3,697	7,324	5,565	672	1,087	33.1	41.7
Precision production, craft, and repair	12,974	643	498	11,833	7,458	1,832	2,543	41.5	43.4
Operators, fabricators, and laborers	16,639	1,044	1,704	13,890	9,160	2,129	2,601	39.6	43.2
Machine operators, assemblers, and inspectors	7,497	363	363	6,771	4,747	1,052	971	40.5	42.4
Transportation and material moving occupations	4,552	256	423	3,874	1,991	636	1,247	42.5	46.2
Handlers, equipment cleaners, helpers, and laborers	4,590	426	918	3,245	2,422	440	383	35.2	41.5
Men, 16 years and over ¹	58,960	2,168	4,874	51,917	28,731	7,811	15,375	42.2	45.2
Managerial and professional specialty	16,078	247	810	15,021	6,731	2,137	6,153	45.5	47.3
Executive, administrative, and managerial	8,470	128	269	8,073	3,334	1,150	3,588	46.8	48.0
Professional specialty	7,608	119	541	6,948	3,396	987	2,565	44.2	46.5
Technical, sales, and administrative support	12,611	275	1,311	11,025	5,681	1,710	3,634	42.4	45.8
Technicians and related support	1,905	21	110	1,774	1,125	263	386	42.2	44.0
Sales occupations	7,059	162	753	6,144	2,503	928	2,713	44.2	47.9
Administrative support, including clerical	3,647	93	447	3,107	2,053	519	535	39.2	42.7
Service occupations	5,930	356	1,192	4,382	2,943	567	872	37.3	43.6
Private household	24	1	13	9	8	-	1	(²)	(²)
Protective service	1,668	36	133	1,498	831	277	391	43.0	45.7
Service, except private household and protective	4,239	319	1,046	2,875	2,105	290	480	35.1	42.5
Precision production, craft, and repair	11,867	565	394	10,908	6,774	1,714	2,420	41.8	43.6
Operators, fabricators, and laborers	12,474	725	1,168	10,581	6,602	1,683	2,296	40.4	43.9
Machine operators, assemblers, and inspectors	4,525	152	156	4,217	2,761	700	757	41.8	43.2
Transportation and material moving occupations	4,122	221	267	3,633	1,845	588	1,201	43.3	46.3
Handlers, equipment cleaners, helpers, and laborers	3,826	351	745	2,730	1,997	396	338	35.5	41.8
Women, 16 years and over ¹	50,451	2,440	11,122	36,889	26,911	4,576	5,402	35.9	41.6
Managerial and professional specialty	13,339	268	2,158	10,912	6,839	1,639	2,433	39.0	43.2
Executive, administrative, and managerial	5,732	80	524	5,128	3,088	773	1,267	41.5	43.8
Professional specialty	7,607	188	1,635	5,785	3,751	867	1,167	37.1	42.6
Technical, sales, and administrative support	23,010	901	5,278	16,831	13,056	1,938	1,838	35.4	40.8
Technicians and related support	1,864	38	341	1,485	1,109	197	178	37.3	41.2
Sales occupations	6,711	476	2,157	4,078	2,818	512	748	33.6	41.9
Administrative support, including clerical	14,434	387	2,779	11,268	9,128	1,228	911	35.9	40.3
Service occupations	8,830	873	3,045	4,911	3,773	435	703	31.7	41.4
Private household	695	88	345	262	165	28	69	26.4	44.8
Protective service	260	12	48	200	148	25	26	36.3	41.8
Service, except private household and protective	7,875	774	2,652	4,449	3,460	382	607	32.1	41.2
Precision production, craft, and repair	1,107	78	104	925	684	118	123	38.4	41.6
Operators, fabricators, and laborers	4,165	320	536	3,309	2,558	446	306	37.2	41.2
Machine operators, assemblers, and inspectors	2,972	210	208	2,554	1,987	352	215	38.5	41.1
Transportation and material moving occupations	430	34	155	241	146	49	46	34.3	44.6
Handlers, equipment cleaners, helpers, and laborers	764	75	174	515	425	45	45	33.8	40.0

¹ Excludes farming, forestry, and fishing occupations.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Noninstitutional population ¹	187,581	187,708	187,854	187,995	188,149	188,286	188,428	188,580	188,721	188,865	188,990	189,090	189,198
Labor force ¹	124,929	125,299	125,224	125,777	125,679	125,758	125,725	125,857	126,192	126,246	126,094	126,308	126,498
Percent of population ²	66.6	66.8	66.7	66.9	66.8	66.8	66.7	66.7	66.9	66.8	66.7	66.8	66.9
Total employed ¹	118,731	118,768	118,805	119,208	119,102	119,238	119,121	119,294	119,540	119,588	119,560	119,713	120,003
Employment-population ratio ³	63.3	63.3	63.2	63.4	63.3	63.3	63.2	63.3	63.3	63.3	63.3	63.3	63.4
Resident Armed Forces	1,684	1,684	1,673	1,666	1,666	1,688	1,702	1,709	1,704	1,700	1,697	1,678	1,669
Civilian employed	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863	118,035	118,334
Agriculture	3,185	3,144	3,137	3,138	3,217	3,275	3,219	3,197	3,160	3,197	3,134	3,079	3,200
Nonagricultural industries	113,862	113,940	113,995	114,404	114,219	114,275	114,200	114,388	114,676	114,691	114,728	114,957	115,133
Unemployed	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535	6,594	6,495
Unemployment rate ⁴	5.0	5.2	5.1	5.2	5.2	5.2	5.3	5.2	5.3	5.3	5.2	5.2	5.1
Not in labor force	62,652	62,409	62,630	62,218	62,470	62,528	62,703	62,723	62,529	62,619	62,896	62,782	62,700
Men													
Noninstitutional population ¹	90,032	90,094	90,167	90,237	90,315	90,384	90,456	90,535	90,606	90,678	90,772	90,822	90,874
Labor force ¹	69,100	69,293	69,142	69,542	69,366	69,404	69,360	69,599	69,635	69,725	69,539	69,639	69,712
Percent of population ²	76.8	76.9	76.7	77.1	76.8	76.8	76.7	76.9	76.9	76.9	76.6	76.7	76.7
Total employed ¹	65,814	65,727	65,713	66,078	65,939	65,919	65,681	66,046	66,011	66,143	65,943	66,108	66,208
Employment-population ratio ³	73.1	73.0	72.9	73.2	73.0	72.9	72.6	73.0	72.9	72.9	72.6	72.8	72.9
Resident Armed Forces	1,521	1,521	1,511	1,501	1,499	1,519	1,531	1,533	1,529	1,525	1,523	1,506	1,497
Civilian employed	64,293	64,206	64,202	64,577	64,440	64,400	64,150	64,513	64,482	64,618	64,420	64,602	64,711
Unemployed	3,286	3,566	3,429	3,464	3,427	3,485	3,679	3,553	3,624	3,582	3,597	3,530	3,505
Unemployment rate ⁴	4.8	5.1	5.0	5.0	4.9	5.0	5.3	5.1	5.2	5.1	5.2	5.1	5.0
Not in labor force	20,932	20,801	21,025	20,695	20,949	20,980	21,096	20,936	20,971	20,953	21,233	21,183	21,162
Women													
Noninstitutional population ¹	97,550	97,614	97,687	97,758	97,834	97,902	97,972	98,045	98,115	98,187	98,218	98,268	98,324
Labor force ¹	55,829	56,006	56,082	56,235	56,313	56,354	56,365	56,258	56,557	56,521	56,555	56,669	56,785
Percent of population ²	57.2	57.4	57.4	57.5	57.6	57.6	57.5	57.4	57.6	57.6	57.6	57.7	57.8
Total employed ¹	52,917	53,041	53,092	53,130	53,163	53,319	53,440	53,248	53,529	53,445	53,617	53,605	53,795
Employment-population ratio ³	54.2	54.3	54.3	54.3	54.3	54.5	54.5	54.3	54.6	54.4	54.6	54.5	54.7
Resident Armed Forces	163	163	162	165	167	169	171	176	175	175	174	172	172
Civilian employed	52,754	52,878	52,930	52,965	52,996	53,150	53,269	53,072	53,354	53,270	53,443	53,433	53,623
Unemployed	2,912	2,965	2,990	3,105	3,150	3,035	2,925	3,010	3,028	3,076	2,938	3,064	2,990
Unemployment rate ⁴	5.2	5.3	5.3	5.5	5.6	5.4	5.2	5.4	5.4	5.4	5.2	5.4	5.3
Not in labor force	41,721	41,608	41,605	41,523	41,521	41,548	41,607	41,787	41,558	41,666	41,663	41,599	41,539

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

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

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
TOTAL													
Civilian noninstitutional population ¹	185,897	186,024	186,181	186,329	186,483	186,598	186,726	186,871	187,017	187,165	187,293	187,412	187,529
Civilian labor force	123,245	123,615	123,551	124,111	124,013	124,070	124,023	124,148	124,483	124,546	124,397	124,630	124,829
Percent of population	66.3	66.5	66.4	66.6	66.5	66.5	66.4	66.4	66.6	66.5	66.4	66.5	66.6
Employed	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863	118,035	118,334
Employment-population ratio ²	63.0	62.9	62.9	63.1	63.0	63.0	62.9	62.9	63.0	63.0	62.9	63.0	63.1
Unemployed	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535	6,594	6,495
Unemployment rate	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2
Men, 20 years and over													
Civilian noninstitutional population ¹	81,333	81,413	81,524	81,592	81,679	81,754	81,790	81,905	81,968	82,055	82,168	82,248	82,378
Civilian labor force	63,468	63,638	63,535	63,874	63,736	63,717	63,771	63,918	63,967	64,071	63,958	64,101	64,183
Percent of population	78.0	78.2	77.9	78.3	78.0	77.9	78.0	78.0	78.0	78.1	77.8	77.9	77.9
Employed	60,783	60,716	60,774	61,072	60,915	60,861	60,729	61,026	61,033	61,154	60,976	61,172	61,270
Employment-population ratio ²	74.7	74.6	74.5	74.9	74.6	74.4	74.2	74.5	74.5	74.5	74.2	74.4	74.4
Agriculture	2,309	2,270	2,295	2,279	2,329	2,340	2,330	2,304	2,292	2,293	2,269	2,254	2,268
Nonagricultural industries	58,474	58,446	58,479	58,793	58,586	58,521	58,399	58,722	58,741	58,861	58,706	58,918	59,002
Unemployed	2,685	2,922	2,761	2,802	2,821	2,856	3,042	2,892	2,934	2,917	2,983	2,929	2,913
Unemployment rate	4.2	4.6	4.3	4.4	4.4	4.5	4.8	4.5	4.6	4.6	4.7	4.6	4.5
Not in labor force	17,865	17,775	17,989	17,718	17,943	18,037	18,019	17,987	18,001	17,984	18,210	18,147	18,195
Women, 20 years and over													
Civilian noninstitutional population ¹	90,242	90,318	90,432	90,526	90,607	90,684	90,771	90,860	90,952	91,042	91,091	91,157	91,237
Civilian labor force	51,876	52,009	52,120	52,219	52,385	52,352	52,358	52,281	52,541	52,586	52,686	52,814	52,800
Percent of population	57.5	57.6	57.6	57.7	57.8	57.7	57.7	57.5	57.8	57.8	57.8	57.9	57.9
Employed	49,467	49,560	49,649	49,687	49,817	49,875	49,984	49,796	50,043	50,048	50,255	50,287	50,344
Employment-population ratio ²	54.8	54.9	54.9	54.9	55.0	55.0	55.1	54.8	55.0	55.0	55.2	55.2	55.2
Agriculture	647	638	633	622	639	642	660	641	624	618	594	582	648
Nonagricultural industries	48,820	48,922	49,016	49,065	49,178	49,233	49,324	49,155	49,419	49,430	49,661	49,704	49,696
Unemployed	2,409	2,449	2,471	2,532	2,568	2,477	2,374	2,485	2,498	2,538	2,431	2,527	2,456
Unemployment rate	4.6	4.7	4.7	4.8	4.9	4.7	4.5	4.8	4.8	4.8	4.6	4.8	4.7
Not in labor force	38,366	38,309	38,312	38,307	38,222	38,332	38,413	38,579	38,411	38,456	38,405	38,343	38,437
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,323	14,293	14,224	14,211	14,196	14,160	14,166	14,107	14,097	14,067	14,034	14,008	13,914
Civilian labor force	7,901	7,968	7,896	8,018	7,892	8,001	7,894	7,949	7,980	7,889	7,752	7,715	7,846
Percent of population	55.2	55.7	55.5	56.4	55.6	56.5	55.7	56.3	56.6	56.1	55.2	55.1	56.4
Employed	6,797	6,808	6,709	6,783	6,704	6,814	6,706	6,763	6,760	6,686	6,631	6,577	6,720
Employment-population ratio ²	47.5	47.6	47.2	47.7	47.2	48.1	47.3	47.9	48.0	47.5	47.3	47.0	48.3
Agriculture	229	236	209	237	249	293	229	252	244	286	270	243	285
Nonagricultural industries	6,568	6,572	6,500	6,546	6,455	6,521	6,477	6,511	6,516	6,400	6,361	6,334	6,435
Unemployed	1,104	1,160	1,187	1,235	1,188	1,187	1,188	1,186	1,220	1,203	1,121	1,138	1,126
Unemployment rate	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5	14.8	14.4
Not in labor force	6,422	6,325	6,328	6,193	6,304	6,159	6,272	6,158	6,117	6,178	6,282	6,293	6,068

¹ The population figures are not adjusted for seasonal variation.

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

NOTE: The corrected May 1989 seasonal adjustment factor for unemployed men, 20 years and over is .962.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
WHITE													
Civilian noninstitutional population ¹	159,020	159,098	159,200	159,297	159,400	159,470	159,549	159,644	159,736	159,832	159,938	160,007	160,076
Civilian labor force	105,926	106,208	106,152	106,474	106,384	106,485	106,393	106,618	106,834	106,896	106,884	107,080	107,061
Percent of population	66.6	66.8	66.7	66.6	66.7	66.8	66.7	66.8	66.9	66.9	66.8	66.9	66.9
Employed	101,413	101,400	101,432	101,683	101,546	101,684	101,579	101,862	101,991	102,032	102,074	102,117	102,206
Employment-population ratio ²	63.8	63.7	63.7	63.8	63.7	63.8	63.7	63.8	63.8	63.8	63.8	63.8	63.8
Unemployed	4,513	4,808	4,720	4,791	4,838	4,801	4,814	4,756	4,843	4,864	4,811	4,962	4,856
Unemployment rate	4.3	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.6	4.5
Men, 20 years and over													
Civilian labor force	55,308	55,374	55,280	55,544	55,463	55,443	55,465	55,626	55,676	55,747	55,771	55,815	55,828
Percent of population	78.5	78.5	78.3	78.7	78.5	78.4	78.3	78.5	78.5	78.5	78.4	78.4	78.4
Employed	53,300	53,199	53,222	53,437	53,331	53,307	53,153	53,483	53,482	53,580	53,560	53,547	53,593
Employment-population ratio ²	75.7	75.5	75.4	75.7	75.4	75.4	75.1	75.5	75.4	75.5	75.3	75.2	75.2
Unemployed	2,008	2,175	2,058	2,107	2,132	2,136	2,312	2,143	2,194	2,167	2,211	2,268	2,235
Unemployment rate	3.6	3.9	3.7	3.8	3.8	3.9	4.2	3.9	3.9	3.9	4.0	4.1	4.0
Women, 20 years and over													
Civilian labor force	43,797	43,984	44,057	44,076	44,230	44,184	44,198	44,207	44,360	44,469	44,475	44,615	44,523
Percent of population	56.9	57.1	57.2	57.2	57.3	57.2	57.2	57.1	57.3	57.4	57.4	57.5	57.4
Employed	42,102	42,199	42,268	42,279	42,377	42,391	42,520	42,437	42,586	42,641	42,718	42,782	42,765
Employment-population ratio ²	54.7	54.8	54.8	54.8	54.9	54.9	55.0	54.9	55.0	55.0	55.1	55.2	55.1
Unemployed	1,695	1,785	1,789	1,797	1,853	1,793	1,678	1,770	1,774	1,828	1,757	1,833	1,758
Unemployment rate	3.9	4.1	4.1	4.1	4.2	4.1	3.8	4.0	4.0	4.1	4.0	4.1	3.9
Both sexes, 16 to 19 years													
Civilian labor force	6,821	6,850	6,815	6,854	6,691	6,858	6,730	6,785	6,798	6,680	6,639	6,650	6,710
Percent of population	58.7	59.1	58.9	59.3	58.0	59.6	58.7	59.4	59.7	58.9	58.7	59.0	59.8
Employed	6,011	6,002	5,942	5,967	5,838	5,986	5,906	5,942	5,923	5,811	5,796	5,788	5,847
Employment-population ratio ²	51.7	51.7	51.3	51.6	50.6	52.0	51.5	52.0	52.0	51.2	51.3	51.4	52.1
Unemployed	810	848	873	887	853	872	824	843	875	869	843	862	863
Unemployment rate	11.9	12.4	12.8	12.9	12.7	12.7	12.2	12.4	12.9	13.0	12.7	13.0	12.9
Men	13.0	13.2	14.1	13.5	12.8	13.1	13.3	13.8	14.3	14.0	12.9	12.7	13.0
Women	10.7	11.5	11.4	12.3	12.6	12.3	11.1	10.9	11.3	11.9	12.4	13.2	12.7
BLACK													
Civilian noninstitutional population ¹	20,930	20,956	20,986	21,012	21,038	21,060	21,085	21,108	21,136	21,164	21,163	21,188	21,211
Civilian labor force	13,429	13,336	13,454	13,569	13,548	13,476	13,518	13,507	13,576	13,522	13,510	13,437	13,581
Percent of population	64.2	63.6	64.1	64.6	64.4	64.0	64.1	64.0	64.2	63.9	63.8	63.4	64.0
Employed	11,952	11,872	11,962	11,969	12,063	11,961	11,938	11,923	11,954	11,920	11,978	12,030	12,148
Employment-population ratio ²	57.1	56.7	57.0	57.0	57.3	56.8	56.6	56.5	56.6	56.3	56.6	56.8	57.3
Unemployed	1,477	1,464	1,492	1,600	1,485	1,515	1,580	1,584	1,622	1,602	1,532	1,407	1,433
Unemployment rate	11.0	11.0	11.1	11.8	11.0	11.2	11.7	11.7	11.9	11.8	11.3	10.5	10.6
Men, 20 years and over													
Civilian labor force	6,219	6,188	6,209	6,206	6,209	6,198	6,239	6,234	6,247	6,244	6,189	6,172	6,227
Percent of population	74.7	74.2	74.3	74.2	74.1	73.9	74.6	74.2	74.2	74.0	73.5	73.3	73.6
Employed	5,611	5,576	5,617	5,613	5,621	5,584	5,610	5,593	5,587	5,569	5,496	5,603	5,631
Employment-population ratio ²	67.4	66.9	67.3	67.1	67.1	66.6	67.0	66.6	66.4	66.0	65.2	66.6	66.5
Unemployed	608	612	592	593	588	614	629	641	660	675	693	569	596
Unemployment rate	9.8	9.9	9.5	9.6	9.5	9.9	10.1	10.3	10.6	10.8	11.2	9.2	9.6
Women, 20 years and over													
Civilian labor force	6,325	6,254	6,341	6,401	6,386	6,362	6,360	6,336	6,373	6,311	6,393	6,423	6,456
Percent of population	60.6	59.9	60.6	61.1	60.9	60.6	60.5	60.2	60.4	59.7	60.5	60.7	60.9
Employed	5,735	5,685	5,734	5,732	5,755	5,753	5,743	5,706	5,722	5,681	5,802	5,821	5,872
Employment-population ratio ²	55.0	54.4	54.8	54.7	54.9	54.8	54.6	54.2	54.2	53.8	54.9	55.0	55.4
Unemployed	590	569	607	669	631	609	617	630	651	630	591	602	584
Unemployment rate	9.3	9.1	9.6	10.5	9.9	9.6	9.7	9.9	10.2	10.0	9.2	9.4	9.0

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1989											1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
BLACK—Continued														
Both sexes, 16 to 19 years														
Civilian labor force	885	894	904	962	953	916	919	937	956	967	928	842	898	
Percent of population	40.7	41.1	41.6	44.2	43.8	42.2	41.8	43.0	44.0	44.6	42.8	38.5	41.7	
Employed	606	611	611	624	687	624	585	624	645	670	680	606	645	
Employment-population ratio ²	27.9	28.1	28.1	28.7	31.6	28.7	26.6	28.6	29.7	30.9	31.3	27.7	30.0	
Unemployed	279	283	293	338	266	292	334	313	311	297	248	236	253	
Unemployment rate	31.5	31.7	32.4	35.1	27.9	31.9	36.3	33.4	32.5	30.7	26.7	28.0	28.2	
Men	29.0	34.8	35.4	33.8	23.2	30.3	33.8	32.0	32.3	30.1	29.2	28.5	30.0	
Women	34.3	28.5	29.6	36.8	33.1	33.6	38.8	34.9	32.7	31.4	24.0	27.5	26.2	
HISPANIC ORIGIN														
Civilian noninstitutional population ¹	13,649	13,690	13,731	13,772	13,813	13,853	13,894	13,936	13,977	14,019	14,080	14,119	14,159	
Civilian labor force	9,201	9,288	9,359	9,289	9,403	9,361	9,342	9,339	9,424	9,495	9,440	9,400	9,565	
Percent of population	67.4	67.8	68.2	67.4	68.1	67.6	67.2	67.0	67.4	67.7	67.0	66.6	67.6	
Employed	8,581	8,531	8,619	8,543	8,579	8,541	8,564	8,595	8,672	8,691	8,769	8,666	8,831	
Employment-population ratio ²	62.9	62.3	62.8	62.0	62.1	61.7	61.6	61.7	62.0	62.0	62.3	61.4	62.4	
Unemployed	620	757	740	746	824	820	778	744	752	804	671	734	734	
Unemployment rate	6.7	8.2	7.9	8.0	8.8	8.8	8.3	8.0	8.0	8.5	7.1	7.8	7.7	

¹ The population figures are not adjusted for seasonal variation.

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

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

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

(In thousands)

Category	1989											1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
CHARACTERISTIC														
Total	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863	118,035	118,334	
Married men, spouse present	40,976	40,857	40,932	41,025	41,067	40,723	40,649	40,839	40,886	41,041	40,982	41,347	40,989	
Married women, spouse present	29,485	29,563	29,608	29,499	29,520	29,259	29,506	29,544	29,767	29,695	29,897	29,704	29,618	
Women who maintain families	6,267	6,263	6,354	6,401	6,446	6,371	6,429	6,354	6,351	6,349	6,215	6,378	6,291	
MAJOR INDUSTRY AND CLASS OF WORKER														
Agriculture:														
Wage and salary workers	1,651	1,630	1,647	1,557	1,685	1,723	1,680	1,678	1,687	1,677	1,634	1,578	1,620	
Self-employed workers	1,403	1,414	1,377	1,411	1,424	1,410	1,424	1,406	1,373	1,369	1,354	1,375	1,457	
Unpaid family workers	137	126	127	126	127	133	132	124	122	125	107	118	115	
Nonagricultural industries:														
Wage and salary workers	104,948	104,981	105,232	105,430	105,353	105,317	105,476	105,504	105,960	105,643	105,747	106,117	106,029	
Government	17,376	17,266	17,305	17,328	17,501	17,559	17,613	17,595	17,681	17,728	17,626	17,607	17,724	
Private industries	87,572	87,715	87,927	88,102	87,852	87,758	87,863	87,909	88,279	87,915	88,121	88,510	88,306	
Private households	1,149	1,118	1,123	1,128	1,094	1,147	1,065	987	1,051	1,077	1,035	1,021	1,003	
Other industries	86,423	86,597	86,804	86,974	86,758	86,611	86,798	86,922	87,228	86,838	87,086	87,489	87,302	
Self-employed workers	8,631	8,643	8,573	8,578	8,602	8,621	8,581	8,610	8,528	8,653	8,733	8,628	8,852	
Unpaid family workers	319	277	299	245	248	272	279	280	264	251	256	313	261	
PERSONS AT WORK PART TIME¹														
All industries:														
Part time for economic reasons	4,978	5,086	4,883	4,928	4,773	4,802	4,864	4,767	4,803	4,802	4,983	4,887	5,004	
Slack work	2,283	2,346	2,314	2,315	2,301	2,281	2,321	2,314	2,297	2,277	2,402	2,307	2,476	
Could only find part-time work	2,368	2,375	2,307	2,269	2,172	2,142	2,161	2,082	2,162	2,106	2,255	2,211	2,127	
Voluntary part time	15,510	15,405	15,350	15,466	15,577	15,550	15,506	15,368	15,254	15,388	14,931	15,381	15,464	
Nonagricultural industries:														
Part time for economic reasons	4,720	4,855	4,643	4,738	4,583	4,567	4,605	4,526	4,552	4,554	4,729	4,703	4,747	
Slack work	2,095	2,198	2,137	2,183	2,164	2,129	2,165	2,166	2,132	2,111	2,240	2,183	2,293	
Could only find part-time work	2,290	2,310	2,246	2,198	2,104	2,076	2,095	2,021	2,097	2,051	2,172	2,173	2,050	
Voluntary part time	15,074	14,975	14,977	15,016	15,138	15,071	15,076	14,936	14,805	14,983	14,515	14,924	14,975	

¹ Excludes persons "with a job but not at work" during the survey

period for such reasons as vacation, illness, or industrial dispute

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1989											1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
Total, 16 years and over	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863	118,035	118,334	
16 to 24 years	19,969	19,892	19,748	19,889	19,781	19,813	19,489	19,487	19,482	19,298	19,309	19,247	19,459	
16 to 19 years	6,797	6,808	6,709	6,783	6,704	6,814	6,706	6,763	6,760	6,686	6,631	6,577	6,720	
16 to 17 years	2,633	2,629	2,597	2,557	2,465	2,574	2,571	2,645	2,598	2,518	2,501	2,513	2,557	
18 to 19 years	4,176	4,177	4,115	4,199	4,233	4,236	4,149	4,130	4,152	4,161	4,132	4,072	4,164	
20 to 24 years	13,172	13,084	13,039	13,106	13,077	12,999	12,783	12,724	12,722	12,612	12,678	12,670	12,739	
25 years and over	97,039	97,150	97,353	97,643	97,726	97,809	97,946	98,122	98,345	98,594	98,547	98,722	98,803	
25 to 54 years	82,165	82,229	82,458	82,704	82,821	83,064	83,170	83,316	83,594	83,680	83,690	83,856	83,938	
55 years and over	14,899	14,918	14,938	14,878	14,914	14,780	14,825	14,818	14,784	14,849	14,805	14,867	14,870	
Men, 16 years and over	64,293	64,206	64,202	64,577	64,440	64,400	64,150	64,513	64,482	64,618	64,420	64,602	64,711	
16 to 24 years	10,457	10,364	10,249	10,372	10,291	10,275	10,070	10,211	10,123	10,128	10,091	10,071	10,110	
16 to 19 years	3,510	3,490	3,428	3,505	3,525	3,539	3,421	3,487	3,449	3,464	3,444	3,430	3,441	
16 to 17 years	1,363	1,336	1,315	1,305	1,288	1,372	1,280	1,357	1,329	1,308	1,298	1,315	1,317	
18 to 19 years	2,161	2,149	2,090	2,187	2,245	2,159	2,138	2,134	2,140	2,153	2,149	2,121	2,126	
20 to 24 years	6,947	6,874	6,821	6,867	6,766	6,736	6,649	6,724	6,674	6,664	6,647	6,640	6,669	
25 years and over	53,817	53,827	53,933	54,197	54,182	54,171	54,095	54,302	54,362	54,494	54,335	54,463	54,558	
25 to 54 years	45,253	45,196	45,388	45,568	45,603	45,708	45,696	45,829	45,938	46,048	45,832	46,013	46,081	
55 years and over	8,584	8,610	8,539	8,576	8,583	8,462	8,439	8,488	8,432	8,441	8,509	8,485	8,480	
Women, 16 years and over	52,754	52,878	52,930	52,965	52,996	53,150	53,269	53,072	53,354	53,270	53,443	53,433	53,623	
16 to 24 years	9,512	9,528	9,499	9,517	9,490	9,538	9,419	9,276	9,359	9,170	9,218	9,176	9,349	
16 to 19 years	3,287	3,318	3,281	3,278	3,179	3,275	3,285	3,276	3,311	3,222	3,187	3,146	3,279	
16 to 17 years	1,270	1,293	1,282	1,252	1,177	1,202	1,291	1,288	1,269	1,210	1,203	1,198	1,240	
18 to 19 years	2,015	2,028	2,025	2,012	1,988	2,077	2,011	1,996	2,012	2,008	1,983	1,951	2,038	
20 to 24 years	6,225	6,210	6,218	6,239	6,311	6,263	6,134	6,000	6,048	5,948	6,030	6,029	6,070	
25 years and over	43,222	43,323	43,420	43,446	43,544	43,638	43,851	43,820	43,983	44,100	44,212	44,259	44,245	
25 to 54 years	36,912	37,033	37,070	37,136	37,218	37,356	37,474	37,487	37,656	37,632	37,859	37,844	37,857	
55 years and over	6,315	6,308	6,399	6,302	6,331	6,318	6,386	6,330	6,352	6,408	6,296	6,382	6,390	

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

(In thousands)

Sex and age	1989											1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
Total, 16 years and over	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535	6,594	6,495	
16 to 24 years	2,231	2,367	2,312	2,485	2,419	2,437	2,426	2,428	2,472	2,428	2,299	2,294	2,274	
16 to 19 years	1,104	1,160	1,187	1,235	1,188	1,187	1,188	1,186	1,220	1,203	1,121	1,138	1,126	
16 to 17 years	494	496	516	540	530	545	534	536	548	558	434	509	520	
18 to 19 years	616	661	684	719	638	623	684	645	665	645	683	609	615	
20 to 24 years	1,127	1,207	1,125	1,250	1,231	1,250	1,238	1,242	1,252	1,225	1,178	1,156	1,148	
25 years and over	3,981	4,159	4,060	4,054	4,106	4,069	4,197	4,144	4,188	4,242	4,279	4,304	4,237	
25 to 54 years	3,558	3,731	3,637	3,546	3,629	3,568	3,701	3,652	3,688	3,744	3,780	3,781	3,727	
55 years and over	419	454	453	507	480	473	465	464	496	494	525	526	515	
Men, 16 years and over	3,286	3,566	3,429	3,464	3,427	3,485	3,679	3,553	3,624	3,582	3,597	3,530	3,505	
16 to 24 years	1,165	1,260	1,260	1,332	1,263	1,330	1,361	1,349	1,380	1,361	1,267	1,226	1,236	
16 to 19 years	601	644	668	662	606	629	637	661	690	665	614	601	592	
16 to 17 years	269	284	302	316	279	295	311	308	312	319	214	259	267	
18 to 19 years	340	360	371	347	309	325	340	353	382	346	397	336	336	
20 to 24 years	564	616	592	670	657	701	724	688	690	696	653	625	644	
25 years and over	2,138	2,298	2,118	2,102	2,132	2,143	2,313	2,214	2,258	2,238	2,373	2,313	2,291	
25 to 54 years	1,890	2,038	1,863	1,815	1,858	1,821	1,978	1,919	1,967	1,917	2,079	2,018	1,997	
55 years and over	250	282	265	275	278	293	310	280	303	314	313	308	300	
Women, 16 years and over	2,912	2,965	2,990	3,105	3,150	3,035	2,925	3,010	3,028	3,076	2,938	3,064	2,990	
16 to 24 years	1,066	1,107	1,052	1,153	1,156	1,107	1,065	1,079	1,092	1,067	1,032	1,069	1,038	
16 to 19 years	503	516	519	573	582	558	551	525	530	538	507	537	534	
16 to 17 years	225	212	214	224	251	250	223	228	236	239	220	250	253	
18 to 19 years	276	301	313	372	329	298	344	292	283	299	286	273	279	
20 to 24 years	563	591	533	580	574	549	514	554	562	529	525	532	504	
25 years and over	1,843	1,861	1,942	1,952	1,974	1,926	1,884	1,930	1,930	2,004	1,906	1,991	1,945	
25 to 54 years	1,668	1,693	1,774	1,731	1,771	1,747	1,723	1,733	1,721	1,827	1,701	1,763	1,730	
55 years and over	169	172	188	232	202	180	155	184	193	180	212	218	216	

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total, 16 years and over	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2
16 to 24 years	10.0	10.6	10.5	11.1	10.9	11.0	11.1	11.1	11.3	11.2	10.6	10.7	10.5
16 to 19 years	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5	14.8	14.4
16 to 17 years	15.8	15.9	16.6	17.4	17.7	17.5	17.2	16.9	17.4	18.1	14.8	16.8	16.9
18 to 19 years	12.9	13.7	14.3	14.6	13.1	12.8	14.2	13.5	13.8	13.4	14.2	13.0	12.9
20 to 24 years	7.9	8.4	7.9	8.7	8.6	8.8	8.8	8.9	9.0	8.9	8.5	8.4	8.3
25 years and over	3.9	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.1
25 to 54 years	4.2	4.3	4.2	4.1	4.2	4.1	4.3	4.2	4.2	4.3	4.3	4.3	4.3
55 years and over	2.7	3.0	2.9	3.3	3.1	3.1	3.0	3.0	3.2	3.2	3.4	3.4	3.3
Men, 16 years and over	4.9	5.3	5.1	5.1	5.0	5.1	5.4	5.2	5.3	5.3	5.3	5.2	5.1
16 to 24 years	10.0	10.8	10.9	11.4	10.9	11.5	11.9	11.7	12.0	11.8	11.2	10.9	10.9
16 to 19 years	14.6	15.6	16.3	15.9	14.7	15.1	15.7	15.9	16.7	16.1	15.1	14.9	14.7
16 to 17 years	16.5	17.5	18.7	19.5	17.8	17.7	19.5	18.5	19.0	19.6	14.2	16.5	16.9
18 to 19 years	13.6	14.3	15.1	13.7	12.1	13.1	13.7	14.2	15.1	13.6	15.6	13.7	13.6
20 to 24 years	7.5	8.2	8.0	8.9	8.9	9.4	9.8	9.3	9.4	9.5	8.9	8.6	8.8
25 years and over	3.8	4.1	3.8	3.7	3.8	3.8	4.1	3.9	4.0	3.9	4.2	4.1	4.0
25 to 54 years	4.0	4.3	3.9	3.8	3.9	3.8	4.1	4.0	4.1	4.0	4.3	4.2	4.2
55 years and over	2.8	3.2	3.0	3.1	3.1	3.3	3.5	3.2	3.5	3.6	3.6	3.5	3.4
Women, 16 years and over	5.2	5.3	5.3	5.5	5.6	5.4	5.2	5.4	5.4	5.5	5.2	5.4	5.3
16 to 24 years	10.1	10.4	10.0	10.8	10.9	10.4	10.2	10.4	10.4	10.4	10.1	10.4	10.0
16 to 19 years	13.3	13.5	13.7	14.9	15.5	14.6	14.4	13.8	13.8	14.3	13.7	14.6	14.0
16 to 17 years	15.1	14.1	14.3	15.2	17.6	17.2	14.7	15.0	15.7	16.5	15.5	17.3	16.9
18 to 19 years	12.0	12.9	13.4	15.6	14.2	12.5	14.6	12.8	12.3	13.0	12.6	12.3	12.0
20 to 24 years	8.3	8.7	7.9	8.5	8.3	8.1	7.7	8.5	8.5	8.2	8.0	8.1	7.7
25 years and over	4.1	4.1	4.3	4.3	4.3	4.2	4.1	4.2	4.2	4.3	4.1	4.3	4.2
25 to 54 years	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.3	4.5	4.4
55 years and over	2.6	2.7	2.9	3.6	3.1	2.8	2.4	2.8	2.9	2.7	3.3	3.3	3.3

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
CHARACTERISTIC													
Total (all civilian workers)	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2
Men, 20 years and over	4.2	4.6	4.3	4.4	4.4	4.5	4.8	4.5	4.6	4.6	4.7	4.6	4.5
Women, 20 years and over	4.6	4.7	4.7	4.8	4.9	4.7	4.5	4.8	4.8	4.8	4.6	4.8	4.7
Both sexes, 16 to 19 years	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5	14.8	14.4
White	4.3	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.6	4.5
Black and other	9.8	9.7	9.6	10.2	9.6	9.7	10.2	10.2	10.3	10.2	10.1	9.2	9.4
Black	11.0	11.0	11.1	11.8	11.0	11.2	11.7	11.7	11.9	11.8	11.3	10.5	10.6
Hispanic origin	6.7	8.2	7.9	8.0	8.8	8.8	8.3	8.0	8.0	8.5	7.1	7.8	7.7
Married men, spouse present	2.9	3.2	2.9	2.9	3.0	3.1	3.3	3.0	3.1	3.0	3.4	3.0	3.2
Married women, spouse present	3.5	4.0	3.8	3.8	3.8	3.9	3.8	3.9	3.8	3.9	3.7	3.8	3.6
Women who maintain families	7.9	7.8	8.2	7.9	8.5	8.0	7.7	7.8	8.2	8.1	7.5	7.5	8.4
Full-time workers	4.8	5.0	4.9	4.9	5.0	4.9	5.0	4.9	5.0	5.0	5.0	4.9	4.9
Part-time workers	6.4	7.2	6.9	7.7	7.2	7.1	7.3	7.1	7.4	7.5	7.0	7.4	7.2
Unemployed 15 weeks and over ¹	1.1	1.1	1.1	1.0	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Labor force time lost ²	5.9	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	6.0	6.0	5.9	5.9
INDUSTRY													
Nonagricultural private wage and salary workers	5.1	5.3	5.2	5.3	5.4	5.4	5.4	5.3	5.4	5.4	5.5	5.5	5.5
Goods-producing industries	6.0	6.0	5.9	6.2	6.2	6.3	6.3	6.2	6.3	6.5	6.7	6.6	6.6
Mining	7.0	5.8	4.6	3.9	5.8	6.4	8.4	4.8	6.2	4.4	6.8	4.8	5.9
Construction	9.6	9.8	9.5	10.0	10.3	10.2	10.1	9.3	9.8	9.8	9.3	8.9	10.0
Manufacturing	4.8	5.0	4.9	5.1	5.1	5.2	5.2	5.4	5.4	5.6	5.9	5.9	5.5
Durable goods	4.6	4.7	4.6	4.6	4.7	4.9	4.9	5.2	5.4	5.4	5.8	5.5	5.3
Nondurable goods	5.1	5.3	5.5	5.8	5.6	5.7	5.5	5.6	5.3	5.3	5.9	6.4	5.9
Service-producing industries	4.8	5.0	4.9	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0	5.0	5.0
Transportation and public utilities	3.9	3.9	4.0	4.1	4.1	3.7	4.5	3.9	3.6	3.4	4.3	4.0	3.4
Wholesale and retail trade	5.7	5.9	5.6	6.0	6.1	6.0	5.9	5.9	6.4	6.3	6.2	6.0	6.2
Finance and service industries	4.3	4.6	4.6	4.3	4.4	4.4	4.5	4.3	4.3	4.2	4.3	4.4	4.5
Government workers	2.7	2.7	2.9	2.9	2.8	2.7	2.8	2.7	2.7	2.6	2.4	2.5	2.3
Agricultural wage and salary workers	8.9	9.8	9.9	10.4	8.9	9.0	7.8	9.8	12.1	9.7	9.2	9.3	10.1

¹ Unemployment as a percent of the civilian labor force.

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

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

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

(Numbers in thousands)

Weeks of unemployment	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
DURATION													
Less than 5 weeks	3,072	3,113	3,070	3,279	3,156	3,125	3,169	3,166	3,258	3,302	3,119	3,159	3,194
5 to 14 weeks	1,849	2,006	1,993	2,006	1,965	2,002	2,030	1,995	1,991	2,013	2,012	2,079	2,044
15 weeks and over	1,335	1,391	1,331	1,295	1,461	1,338	1,359	1,378	1,422	1,362	1,430	1,369	1,333
15 to 26 weeks	672	667	711	684	838	759	769	743	765	730	777	731	702
27 weeks and over	663	724	620	611	623	579	590	635	657	632	653	638	631
Average (mean) duration, in weeks	12.4	12.6	11.9	11.2	11.9	11.4	11.5	11.7	11.6	11.5	12.1	11.7	12.0
Median duration, in weeks	5.5	5.4	5.3	5.4	5.4	5.0	5.0	5.0	4.8	4.8	5.1	5.4	5.1
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	49.1	47.8	48.0	49.8	47.9	48.3	48.3	48.4	48.8	49.5	47.5	47.8	48.6
5 to 14 weeks	29.6	30.8	31.2	30.5	29.9	31.0	31.0	30.5	29.8	30.1	30.7	31.5	31.1
15 weeks and over	21.3	21.4	20.8	19.7	22.2	20.7	20.7	21.1	21.3	20.4	21.8	20.7	20.3
15 to 26 weeks	10.7	10.2	11.1	10.4	12.7	11.7	11.7	11.4	11.5	10.9	11.8	11.1	10.7
27 weeks and over	10.6	11.1	9.7	9.3	9.5	9.0	9.0	9.7	9.8	9.5	9.9	9.7	9.6

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

(Numbers in thousands)

Reasons for unemployment	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
NUMBER OF UNEMPLOYED													
Job losers	2,852	2,932	2,798	2,820	2,916	2,964	2,932	2,979	3,092	3,097	3,183	3,103	3,038
On layoff	806	833	805	813	829	865	852	780	969	957	1,033	964	941
Other job losers	2,046	2,099	1,993	2,007	2,087	2,099	2,080	2,199	2,123	2,140	2,150	2,139	2,097
Job leavers	902	985	1,103	1,021	1,016	1,031	1,034	994	1,049	1,055	1,016	1,006	1,014
Reentrants	1,774	1,882	1,853	1,993	1,901	1,772	1,920	1,890	1,845	1,853	1,730	1,805	1,859
New entrants	713	692	696	726	723	643	648	685	695	686	640	680	644
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	45.7	45.2	43.4	43.0	44.5	46.2	44.9	45.5	46.3	46.3	48.5	47.1	46.3
On layoff	12.9	12.8	12.5	12.4	12.6	13.5	13.0	11.9	14.5	14.3	15.7	14.6	14.4
Other job losers	32.8	32.3	30.9	30.6	31.8	32.7	31.8	33.6	31.8	32.0	32.7	32.4	32.0
Job leavers	14.5	15.2	17.1	15.6	15.5	16.1	15.8	15.2	15.7	15.8	15.5	15.3	15.5
Reentrants	28.4	29.0	28.7	30.4	29.0	27.6	29.4	28.9	27.6	27.7	26.3	27.4	28.4
New entrants	11.4	10.7	10.8	11.1	11.0	10.0	9.9	10.5	10.4	10.3	9.7	10.3	9.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.3	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.6	2.5	2.4
Job leavers .....	.7	.8	.9	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Reentrants	1.4	1.5	1.5	1.6	1.5	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.5
New entrants .....	.6	.6	.6	.6	.6	.5	.5	.6	.6	.6	.5	.5	.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status and sex	1987				1988				1989				1990	
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	
TOTAL														
Noninstitutional population ¹	183,743	184,253	184,749	185,216	185,707	186,099	186,530	186,949	187,461	187,852	188,288	188,722	189,093	
Labor force ¹	120,807	121,401	121,813	122,345	122,739	123,026	123,616	124,138	124,897	125,433	125,720	126,098	126,300	
Percent of population ²	65.7	65.9	65.9	66.1	66.1	66.1	66.3	66.4	66.6	66.8	66.8	66.8	66.8	
Total employed ¹	112,947	113,887	114,582	115,297	115,838	116,361	116,904	117,629	118,503	118,927	119,153	119,474	119,758	
Employment-population ratio ³	61.5	61.8	62.0	62.3	62.4	62.5	62.7	62.9	63.2	63.3	63.3	63.3	63.3	
Resident Armed Forces	1,741	1,726	1,733	1,749	1,740	1,710	1,690	1,696	1,688	1,674	1,685	1,704	1,681	
Civilian employed	111,206	112,161	112,849	113,548	114,098	114,651	115,214	115,933	116,815	117,253	117,468	117,770	118,077	
Agriculture	3,181	3,283	3,175	3,191	3,194	3,170	3,110	3,223	3,216	3,140	3,237	3,185	3,138	
Nonagricultural industries	108,025	108,878	109,673	110,357	110,904	111,481	112,104	112,710	113,598	114,113	114,231	114,585	114,939	
Unemployed	7,860	7,514	7,231	7,048	6,900	6,664	6,712	6,508	6,394	6,506	6,567	6,624	6,541	
Unemployment rate ⁴	6.5	6.2	5.9	5.8	5.6	5.4	5.4	5.2	5.1	5.2	5.2	5.2	5.3	
Not in labor force	62,937	62,852	62,936	62,870	62,969	63,074	62,914	62,811	62,564	62,419	62,567	62,624	62,793	
Men														
Noninstitutional population ¹	88,101	88,358	88,605	88,843	89,100	89,293	89,509	89,715	89,973	90,166	90,385	90,606	90,823	
Labor force ¹	67,566	67,695	67,809	68,035	68,170	68,425	68,639	68,666	69,023	69,326	69,376	69,653	69,630	
Percent of population ²	76.7	76.6	76.5	76.6	76.5	76.6	76.7	76.5	76.7	76.9	76.8	76.9	76.7	
Total employed ¹	63,225	63,478	63,816	64,227	64,435	64,785	64,964	65,109	65,546	65,839	65,846	66,067	66,087	
Employment-population ratio ³	71.8	71.8	72.0	72.3	72.3	72.6	72.6	72.6	72.9	73.0	72.9	72.9	72.8	
Resident Armed Forces	1,583	1,567	1,572	1,587	1,579	1,548	1,527	1,534	1,525	1,511	1,516	1,529	1,509	
Civilian employed	61,642	61,911	62,244	62,639	62,855	63,236	63,437	63,575	64,022	64,328	64,330	64,538	64,578	
Unemployed	4,341	4,218	3,993	3,808	3,736	3,640	3,675	3,557	3,477	3,486	3,530	3,586	3,544	
Unemployment rate ⁴	6.4	6.2	5.9	5.6	5.5	5.3	5.4	5.2	5.0	5.0	5.1	5.1	5.1	
Not in labor force	20,535	20,662	20,797	20,808	20,930	20,868	20,870	21,049	20,950	20,840	21,009	20,953	21,193	
Women														
Noninstitutional population ¹	95,642	95,896	96,144	96,372	96,608	96,806	97,022	97,234	97,488	97,686	97,903	98,116	98,270	
Labor force ¹	53,241	53,706	54,004	54,310	54,568	54,601	54,977	55,472	55,874	56,108	56,344	56,445	56,670	
Percent of population ²	55.7	56.0	56.2	56.4	56.5	56.4	56.7	57.0	57.3	57.4	57.6	57.5	57.7	
Total employed ¹	49,722	50,410	50,766	51,070	51,404	51,577	51,940	52,521	52,956	53,088	53,307	53,407	53,673	
Employment-population ratio ³	52.0	52.6	52.8	53.0	53.2	53.3	53.5	54.0	54.3	54.3	54.4	54.4	54.6	
Resident Armed Forces	158	160	161	161	161	162	163	162	163	163	169	175	173	
Civilian employed	49,564	50,250	50,605	50,909	51,243	51,415	51,777	52,359	52,793	52,924	53,138	53,232	53,500	
Unemployed	3,519	3,296	3,238	3,240	3,165	3,024	3,037	2,951	2,918	3,020	3,037	3,038	2,997	
Unemployment rate ⁴	6.6	6.1	6.0	6.0	5.8	5.5	5.5	5.3	5.2	5.4	5.4	5.4	5.3	
Not in labor force	42,401	42,190	42,140	42,062	42,040	42,205	42,045	41,762	41,614	41,579	41,559	41,670	41,600	

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

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

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Civilian noninstitutional population ¹	182,002	182,527	183,016	183,467	183,967	184,389	184,840	185,253	185,773	186,178	186,602	187,018	187,411
Civilian labor force	119,065	119,675	120,080	120,597	120,998	121,315	121,926	122,442	123,209	123,759	124,035	124,394	124,619
Percent of population	65.4	65.6	65.6	65.7	65.8	65.8	66.0	66.1	66.3	66.5	66.5	66.5	66.5
Employed	111,206	112,161	112,849	113,548	114,098	114,651	115,214	115,933	116,815	117,253	117,468	117,770	118,077
Employment-population ratio ²	61.1	61.4	61.7	61.9	62.0	62.2	62.3	62.6	62.9	63.0	63.0	63.0	63.0
Unemployed	7,860	7,514	7,231	7,048	6,900	6,664	6,712	6,508	6,394	6,506	6,567	6,624	6,541
Unemployment rate	6.6	6.3	6.0	5.8	5.7	5.5	5.5	5.3	5.2	5.3	5.3	5.3	5.2
Men, 20 years and over													
Civilian noninstitutional population ¹	79,217	79,466	79,678	79,898	80,194	80,418	80,676	80,925	81,251	81,510	81,741	81,976	82,264
Civilian labor force	61,869	62,056	62,112	62,310	62,463	62,714	62,880	63,019	63,382	63,682	63,741	63,985	64,081
Percent of population	78.1	78.1	78.0	78.0	77.9	78.0	77.9	77.9	78.0	78.1	78.0	78.1	77.9
Employed	58,293	58,584	58,830	59,209	59,409	59,726	59,909	60,094	60,582	60,854	60,835	61,071	61,139
Employment-population ratio ²	73.6	73.7	73.8	74.1	74.1	74.3	74.3	74.3	74.6	74.7	74.4	74.5	74.3
Agriculture	2,315	2,395	2,307	2,296	2,278	2,256	2,247	2,306	2,302	2,281	2,333	2,296	2,264
Nonagricultural industries	55,978	56,189	56,523	56,913	57,131	57,470	57,662	57,789	58,280	58,573	58,502	58,775	58,876
Unemployed	3,576	3,472	3,282	3,101	3,054	2,988	2,971	2,924	2,800	2,828	2,906	2,914	2,942
Unemployment rate	5.8	5.6	5.3	5.0	4.9	4.8	4.7	4.6	4.4	4.4	4.6	4.6	4.6
Not in labor force	17,348	17,410	17,566	17,588	17,731	17,704	17,796	17,906	17,869	17,828	18,000	17,991	18,183
Women, 20 years and over													
Civilian noninstitutional population ¹	88,236	88,468	88,701	88,925	89,183	89,397	89,664	89,883	90,155	90,425	90,685	90,952	91,162
Civilian labor force	49,266	49,677	49,951	50,229	50,506	50,593	50,908	51,471	51,884	52,116	52,365	52,469	52,767
Percent of population	55.8	56.2	56.3	56.5	56.6	56.6	56.8	57.3	57.6	57.6	57.7	57.7	57.9
Employed	46,391	46,985	47,297	47,621	47,941	48,124	48,427	49,044	49,480	49,632	49,892	49,962	50,295
Employment-population ratio ²	52.6	53.1	53.3	53.6	53.8	53.8	54.0	54.6	54.9	54.9	55.0	54.9	55.2
Agriculture	605	622	616	641	629	639	590	651	666	631	647	628	608
Nonagricultural industries	45,786	46,362	46,680	46,981	47,312	47,484	47,837	48,393	48,814	49,001	49,245	49,335	49,687
Unemployed	2,875	2,693	2,654	2,608	2,565	2,470	2,481	2,427	2,405	2,484	2,473	2,507	2,471
Unemployment rate	5.8	5.4	5.3	5.2	5.1	4.9	4.9	4.7	4.6	4.8	4.7	4.8	4.7
Not in labor force	38,970	38,791	38,750	38,696	38,677	38,804	38,756	38,412	38,271	38,309	38,320	38,483	38,395
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,548	14,593	14,638	14,644	14,590	14,574	14,500	14,445	14,367	14,243	14,177	14,090	13,985
Civilian labor force	7,930	7,941	8,016	8,057	8,030	8,008	8,138	7,952	7,943	7,961	7,929	7,939	7,771
Percent of population	54.5	54.4	54.8	55.0	55.0	54.9	56.1	55.0	55.3	55.9	55.9	56.3	55.6
Employed	6,522	6,592	6,722	6,718	6,748	6,801	6,878	6,795	6,753	6,767	6,741	6,736	6,643
Employment-population ratio ²	44.8	45.2	45.9	45.9	46.3	46.7	47.4	47.0	47.0	47.5	47.6	47.8	47.5
Agriculture	260	265	252	254	287	274	273	267	248	227	257	261	266
Nonagricultural industries	6,261	6,327	6,470	6,463	6,461	6,527	6,605	6,528	6,504	6,539	6,484	6,476	6,377
Unemployed	1,409	1,349	1,295	1,339	1,281	1,207	1,260	1,157	1,190	1,194	1,188	1,203	1,128
Unemployment rate	17.8	17.0	16.2	16.6	16.0	15.1	15.5	14.5	15.0	15.0	15.0	15.2	14.5
Not in labor force	6,618	6,652	6,622	6,587	6,560	6,566	6,362	6,493	6,424	6,282	6,248	6,151	6,214

¹ The population figures are not adjusted for seasonal variation.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
WHITE													
Civilian noninstitutional population ¹	156,435	156,806	157,145	157,448	157,772	158,048	158,347	158,611	158,944	159,198	159,473	159,738	160,007
Civilian labor force	102,708	103,193	103,417	103,805	104,207	104,517	104,946	105,344	105,895	106,278	106,421	106,783	107,008
Percent of population	65.7	65.8	65.8	65.9	66.0	66.1	66.3	66.4	66.6	66.8	66.7	66.8	66.9
Employed	96,856	97,613	98,105	98,600	99,135	99,653	99,946	100,526	101,246	101,505	101,603	101,962	102,132
Employment-population ratio ²	61.9	62.3	62.4	62.6	62.8	63.1	63.1	63.4	63.7	63.8	63.7	63.8	63.8
Unemployed	5,852	5,580	5,312	5,205	5,072	4,864	5,000	4,818	4,649	4,773	4,818	4,821	4,876
Unemployment rate	5.7	5.4	5.1	5.0	4.9	4.7	4.8	4.6	4.4	4.5	4.5	4.5	4.6
Men, 20 years and over													
Civilian labor force	54,082	54,193	54,227	54,394	54,490	54,664	54,853	54,928	55,228	55,399	55,457	55,683	55,804
Percent of population	78.5	78.4	78.3	78.3	78.2	78.3	78.4	78.3	78.5	78.5	78.4	78.5	78.4
Employed	51,318	51,542	51,735	52,013	52,182	52,430	52,568	52,694	53,134	53,286	53,264	53,515	53,567
Employment-population ratio ²	74.5	74.6	74.7	74.9	74.9	75.1	75.1	75.1	75.5	75.5	75.3	75.4	75.3
Unemployed	2,763	2,650	2,492	2,381	2,307	2,235	2,285	2,234	2,095	2,113	2,193	2,168	2,238
Unemployment rate	5.1	4.9	4.6	4.4	4.2	4.1	4.2	4.1	3.8	3.8	4.0	3.9	4.0
Women, 20 years and over													
Civilian labor force	41,734	42,098	42,331	42,492	42,759	42,906	43,107	43,546	43,816	44,039	44,204	44,345	44,538
Percent of population	55.2	55.6	55.8	55.8	56.1	56.2	56.3	56.8	57.0	57.1	57.2	57.3	57.4
Employed	39,696	40,178	40,459	40,638	40,941	41,182	41,325	41,817	42,131	42,249	42,429	42,555	42,755
Employment-population ratio ²	52.5	53.0	53.3	53.4	53.7	53.9	54.0	54.5	54.8	54.8	54.9	55.0	55.1
Unemployed	2,038	1,920	1,872	1,854	1,817	1,724	1,782	1,729	1,686	1,790	1,775	1,791	1,783
Unemployment rate	4.9	4.6	4.4	4.4	4.3	4.0	4.1	4.0	3.8	4.1	4.0	4.0	4.0
Both sexes, 16 to 19 years													
Civilian labor force	6,892	6,902	6,859	6,919	6,959	6,947	6,985	6,869	6,850	6,840	6,760	6,754	6,666
Percent of population	57.8	57.8	57.4	58.0	58.5	58.5	59.0	58.5	58.8	59.1	58.8	59.3	59.2
Employed	5,841	5,893	5,911	5,948	6,011	6,042	6,052	6,015	5,981	5,970	5,910	5,892	5,810
Employment-population ratio ²	49.0	49.3	49.4	49.9	50.6	50.9	51.1	51.2	51.3	51.6	51.4	51.8	51.6
Unemployed	1,051	1,009	948	971	948	905	933	854	869	869	850	862	856
Unemployment rate	15.2	14.6	13.8	14.0	13.6	13.0	13.4	12.4	12.7	12.7	12.6	12.8	12.8
Men	16.4	16.0	14.6	14.8	14.2	13.7	14.5	13.3	14.2	13.6	13.1	14.1	12.9
Women	14.0	13.1	13.0	13.2	13.0	12.3	12.2	11.5	11.0	11.7	12.0	11.4	12.8
BLACK													
Civilian noninstitutional population ¹	20,218	20,310	20,398	20,481	20,568	20,651	20,737	20,813	20,904	20,985	21,061	21,136	21,187
Civilian labor force	12,827	12,884	13,082	13,169	13,124	13,096	13,247	13,345	13,440	13,453	13,514	13,535	13,509
Percent of population	63.4	63.4	64.1	64.3	63.8	63.4	63.9	64.1	64.3	64.1	64.2	64.0	63.8
Employed	11,055	11,198	11,420	11,552	11,515	11,529	11,741	11,839	11,901	11,934	11,987	11,932	12,052
Employment-population ratio ²	54.7	55.1	56.0	56.4	56.0	55.8	56.6	56.9	56.9	56.9	56.9	56.5	56.9
Unemployed	1,772	1,686	1,663	1,618	1,610	1,567	1,506	1,505	1,539	1,519	1,527	1,603	1,457
Unemployment rate	13.8	13.1	12.7	12.3	12.3	12.0	11.4	11.3	11.5	11.3	11.3	11.8	10.8
Men, 20 years and over													
Civilian labor force	5,973	6,012	6,055	6,051	6,108	6,121	6,112	6,162	6,205	6,201	6,215	6,242	6,196
Percent of population	74.6	74.7	74.9	74.5	74.9	74.7	74.2	74.5	74.6	74.3	74.2	74.2	73.4
Employed	5,278	5,324	5,393	5,432	5,462	5,490	5,526	5,559	5,582	5,602	5,605	5,583	5,577
Employment-population ratio ²	65.9	66.2	66.7	66.9	66.9	67.0	67.1	67.2	67.2	67.1	66.9	66.3	66.1
Unemployed	695	688	662	619	646	631	586	603	623	599	610	659	619
Unemployment rate	11.6	11.4	10.9	10.2	10.6	10.3	9.6	9.8	10.0	9.7	9.8	10.6	10.0
Women, 20 years and over													
Civilian labor force	5,980	6,009	6,108	6,182	6,155	6,109	6,214	6,279	6,335	6,332	6,369	6,340	6,424
Percent of population	59.4	59.5	60.2	60.7	60.1	59.5	60.2	60.6	60.8	60.5	60.6	60.1	60.7
Employed	5,227	5,321	5,398	5,507	5,496	5,447	5,589	5,656	5,711	5,717	5,750	5,703	5,832
Employment-population ratio ²	52.0	52.7	53.2	54.0	53.7	53.0	54.2	54.6	54.8	54.7	54.7	54.1	55.1
Unemployed	753	688	710	675	659	662	625	623	624	615	619	637	592
Unemployment rate	12.6	11.4	11.6	10.9	10.7	10.8	10.1	9.9	9.8	9.7	9.7	10.0	9.2

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	874	863	919	936	862	866	921	903	900	920	929	953	889
Percent of population	40.7	40.0	42.4	43.1	39.6	39.7	42.2	41.4	41.4	42.3	42.6	43.9	41.0
Employed	550	553	629	612	557	593	626	624	607	615	632	646	644
Employment-population ratio ²	25.6	25.6	29.0	28.2	25.6	27.2	28.7	28.6	27.9	28.3	29.0	29.8	29.7
Unemployed	324	310	290	324	305	273	295	279	293	305	297	307	246
Unemployment rate	37.1	35.9	31.6	34.6	35.4	31.6	32.0	30.9	32.5	33.1	32.0	32.2	27.6
Men	35.9	35.9	33.0	33.4	37.1	30.5	32.1	32.0	32.4	34.6	29.0	31.5	29.3
Women	38.4	36.0	30.0	35.9	33.7	32.8	32.0	29.7	32.6	31.5	35.2	33.0	25.8
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	12,692	12,809	12,926	13,043	13,153	13,268	13,382	13,495	13,606	13,731	13,853	13,977	14,119
Civilian labor force	8,396	8,495	8,532	8,732	8,884	8,906	9,010	9,132	9,201	9,312	9,369	9,419	9,468
Percent of population	66.1	66.3	66.0	67.0	67.5	67.1	67.3	67.7	67.6	67.8	67.6	67.4	67.1
Employed	7,571	7,759	7,840	7,987	8,162	8,122	8,299	8,417	8,527	8,564	8,561	8,653	8,756
Employment-population ratio ²	59.7	60.6	60.7	61.2	62.1	61.2	62.0	62.4	62.7	62.4	61.8	61.9	62.0
Unemployed	824	736	692	745	722	784	711	714	674	748	807	767	713
Unemployment rate	9.8	8.7	8.1	8.5	8.1	8.8	7.9	7.8	7.3	8.0	8.6	8.1	7.5

¹ The population figures are not adjusted for seasonal variation.

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Full- and part- time status, sex, and age	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
EMPLOYED													
Full-time workers	91,978	92,595	93,338	93,917	94,484	95,092	95,352	95,905	96,674	97,132	97,530	97,987	98,180
Men, 16 years and over	55,378	55,528	55,891	56,202	56,437	56,838	56,917	57,081	57,518	57,799	58,022	58,142	58,105
Men, 20 years and over	54,003	54,250	54,493	54,790	55,002	55,376	55,449	55,593	56,088	56,312	56,468	56,647	56,693
Women, 16 years and over	36,605	37,047	37,461	37,723	38,005	38,275	38,469	38,843	39,108	39,333	39,576	39,868	39,997
Women, 20 years and over	35,548	35,986	36,342	36,599	36,905	37,188	37,336	37,761	38,060	38,257	38,509	38,776	38,975
Both sexes, 16 to 19 years	2,428	2,360	2,504	2,528	2,577	2,528	2,567	2,551	2,526	2,562	2,553	2,564	2,512
Part-time workers	19,217	19,574	19,493	19,660	19,627	19,512	19,833	20,056	20,147	20,080	19,883	19,824	19,923
Men, 16 years and over	6,260	6,373	6,370	6,435	6,409	6,378	6,548	6,492	6,499	6,504	6,351	6,392	6,455
Men, 20 years and over	4,283	4,343	4,358	4,397	4,408	4,346	4,490	4,476	4,493	4,533	4,384	4,405	4,471
Women, 16 years and over	12,947	13,202	13,149	13,203	13,213	13,140	13,307	13,530	13,654	13,588	13,570	13,382	13,479
Women, 20 years and over	10,840	10,997	10,930	11,056	11,027	10,932	11,058	11,322	11,410	11,370	11,348	11,231	11,319
Both sexes, 16 to 19 years	4,093	4,234	4,205	4,207	4,192	4,235	4,286	4,258	4,245	4,177	4,152	4,189	4,133
UNEMPLOYED													
Looking for full-time work	6,346	6,077	5,808	5,630	5,516	5,321	5,356	5,220	5,112	5,182	5,259	5,277	5,241
Men, 16 years and over	3,766	3,627	3,418	3,260	3,152	3,116	3,135	3,053	2,908	2,964	3,024	3,050	3,049
Men, 20 years and over	3,341	3,244	3,052	2,903	2,843	2,773	2,772	2,712	2,598	2,606	2,703	2,682	2,734
Women, 16 years and over	2,595	2,461	2,385	2,388	2,323	2,222	2,222	2,194	2,142	2,239	2,237	2,248	2,163
Women, 20 years and over	2,313	2,182	2,119	2,094	2,054	1,976	1,976	1,938	1,918	1,980	1,976	1,979	1,942
Both sexes, 16 to 19 years	692	651	637	634	618	572	608	570	596	596	579	616	565
Looking for part-time work	1,525	1,420	1,422	1,418	1,392	1,332	1,362	1,280	1,287	1,319	1,313	1,336	1,301
Men, 16 years and over	605	588	574	556	559	527	554	516	522	529	519	544	480
Men, 20 years and over	247	216	228	197	223	204	197	209	215	213	201	225	220
Women, 16 years and over	922	831	845	866	837	806	806	770	767	787	794	795	825
Women, 20 years and over	563	504	531	520	512	489	506	489	486	502	497	527	528
Both sexes, 16 to 19 years	714	700	663	701	658	638	659	582	587	604	616	583	553

NOTE: Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time; unemployed persons are classified according to whether they are seeking full- or part-time jobs.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total	111,206	112,161	112,849	113,548	114,098	114,651	115,214	115,933	116,815	117,253	117,468	117,770	118,077
Married men, spouse present	39,986	40,065	40,342	40,678	40,395	40,403	40,552	40,550	40,883	40,938	40,813	40,922	41,106
Married women, spouse present	27,784	28,190	28,222	28,266	28,567	28,637	28,815	29,030	29,474	29,557	29,428	29,669	29,740
Women who maintain families	5,934	6,019	6,108	6,169	6,152	6,082	6,234	6,368	6,348	6,339	6,415	6,351	6,295
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,623	1,660	1,625	1,614	1,622	1,630	1,578	1,666	1,654	1,611	1,696	1,681	1,611
Self-employed workers	1,407	1,452	1,405	1,431	1,419	1,379	1,390	1,407	1,403	1,401	1,419	1,383	1,395
Unpaid family workers	144	163	148	155	134	156	146	156	153	126	131	124	114
Nonagricultural industries:													
Wage and salary workers	99,647	100,427	101,192	101,833	102,378	102,509	103,326	103,872	104,714	105,214	105,382	105,702	105,964
Government	16,513	16,761	16,902	17,013	16,981	17,062	17,094	17,302	17,347	17,300	17,558	17,668	17,652
Private industries	83,133	83,666	84,290	84,821	85,397	85,447	86,232	86,570	87,368	87,915	87,824	88,034	88,312
Private households	1,221	1,212	1,180	1,224	1,154	1,133	1,128	1,201	1,156	1,123	1,102	1,038	1,020
Other industries	81,912	82,454	83,110	83,596	84,243	84,315	85,104	85,369	86,212	86,792	86,722	86,996	87,292
Self-employed workers	8,164	8,155	8,219	8,259	8,317	8,654	8,548	8,551	8,618	8,598	8,601	8,597	8,738
Unpaid family workers	257	265	270	249	238	285	243	272	302	274	266	265	277
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,512	5,331	5,354	5,421	5,352	5,120	5,211	5,125	5,016	4,966	4,813	4,791	4,958
Slack work	2,440	2,337	2,380	2,372	2,429	2,290	2,340	2,333	2,308	2,325	2,301	2,296	2,395
Could only find part-time work	2,731	2,657	2,643	2,678	2,588	2,456	2,485	2,405	2,357	2,317	2,158	2,117	2,197
Voluntary part time	14,168	14,585	14,424	14,574	14,607	14,780	15,053	15,355	15,349	15,407	15,544	15,337	15,258
Nonagricultural industries:													
Part time for economic reasons	5,233	5,043	5,082	5,134	5,110	4,869	5,000	4,857	4,758	4,745	4,585	4,544	4,726
Slack work	2,252	2,153	2,198	2,193	2,274	2,146	2,190	2,179	2,131	2,173	2,153	2,136	2,239
Could only find part-time work	2,641	2,564	2,578	2,585	2,497	2,358	2,441	2,318	2,283	2,251	2,092	2,056	2,132
Voluntary part time	13,707	14,084	13,971	14,113	14,147	14,306	14,627	14,893	14,909	14,989	15,095	14,908	14,804

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Sex and age	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	111,206	112,161	112,849	113,548	114,098	114,651	115,214	115,933	116,815	117,253	117,468	117,770	118,077
16 to 24 years	20,199	20,123	20,219	20,124	20,164	20,047	20,088	19,918	19,860	19,843	19,694	19,422	19,338
16 to 19 years	6,522	6,592	6,722	6,718	6,748	6,801	6,878	6,795	6,753	6,767	6,741	6,736	6,643
16 to 17 years	2,696	2,695	2,806	2,742	2,732	2,732	2,692	2,691	2,604	2,594	2,537	2,587	2,524
18 to 19 years	3,835	3,898	3,900	3,983	4,014	4,071	4,176	4,106	4,157	4,164	4,206	4,148	4,123
20 to 24 years	13,678	13,531	13,497	13,407	13,416	13,245	13,209	13,123	13,107	13,076	12,953	12,686	12,696
25 years and over	91,019	92,017	92,659	93,415	93,927	94,575	95,169	96,018	96,929	97,382	97,827	98,354	98,690
25 to 54 years	76,618	77,558	78,163	78,749	79,330	79,995	80,591	81,245	82,052	82,464	83,018	83,530	83,828
55 years and over	14,380	14,458	14,529	14,658	14,575	14,573	14,601	14,767	14,857	14,911	14,840	14,817	14,847
Men, 16 years and over	61,642	61,911	62,244	62,639	62,855	63,236	63,437	63,575	64,022	64,328	64,330	64,538	64,578
16 to 24 years	10,496	10,386	10,479	10,409	10,405	10,446	10,448	10,348	10,347	10,328	10,212	10,154	10,091
16 to 19 years	3,349	3,327	3,413	3,430	3,446	3,510	3,528	3,480	3,439	3,474	3,495	3,467	3,438
16 to 17 years	1,386	1,371	1,412	1,398	1,411	1,406	1,401	1,391	1,318	1,319	1,313	1,331	1,310
18 to 19 years	1,972	1,951	1,983	2,045	2,036	2,099	2,117	2,102	2,135	2,142	2,181	2,142	2,132
20 to 24 years	7,147	7,059	7,066	6,979	6,959	6,935	6,920	6,867	6,908	6,854	6,717	6,687	6,652
25 years and over	51,153	51,510	51,781	52,230	52,443	52,773	53,014	53,229	53,660	53,986	54,149	54,386	54,452
25 to 54 years	42,660	42,979	43,283	43,625	43,935	44,248	44,508	44,752	45,107	45,384	45,669	45,938	45,975
55 years and over	8,493	8,520	8,508	8,609	8,510	8,503	8,516	8,483	8,559	8,575	8,495	8,454	8,491
Women, 16 years and over	49,564	50,250	50,605	50,909	51,243	51,415	51,777	52,359	52,793	52,924	53,138	53,232	53,500
16 to 24 years	9,703	9,737	9,739	9,715	9,759	9,601	9,639	9,570	9,513	9,515	9,482	9,268	9,248
16 to 19 years	3,172	3,265	3,308	3,288	3,302	3,291	3,350	3,315	3,313	3,292	3,246	3,270	3,204
16 to 17 years	1,310	1,324	1,394	1,344	1,321	1,326	1,291	1,300	1,286	1,276	1,223	1,256	1,214
18 to 19 years	1,863	1,948	1,917	1,938	1,977	1,972	2,058	2,004	2,022	2,022	2,025	2,005	1,991
20 to 24 years	6,531	6,472	6,431	6,428	6,457	6,310	6,289	6,255	6,199	6,222	6,236	5,999	6,043
25 years and over	39,866	40,507	40,878	41,185	41,484	41,802	42,154	42,789	43,269	43,396	43,678	43,968	44,239
25 to 54 years	33,958	34,579	34,880	35,124	35,395	35,747	36,083	36,493	36,945	37,080	37,349	37,592	37,853
55 years and over	5,887	5,938	6,020	6,049	6,065	6,070	6,086	6,284	6,298	6,336	6,345	6,363	6,356

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

(In thousands)

Sex and age	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	7,860	7,514	7,231	7,048	6,900	6,664	6,712	6,508	6,394	6,506	6,567	6,624	6,541
16 to 24 years	2,997	2,850	2,715	2,624	2,604	2,468	2,479	2,393	2,390	2,388	2,427	2,443	2,289
16 to 19 years	1,409	1,349	1,295	1,339	1,281	1,207	1,260	1,157	1,190	1,194	1,188	1,203	1,128
16 to 17 years	666	673	603	649	591	562	606	531	536	517	536	547	488
18 to 19 years	742	686	687	686	689	655	649	621	650	688	648	652	636
20 to 24 years	1,589	1,501	1,420	1,284	1,322	1,261	1,219	1,236	1,200	1,194	1,240	1,240	1,161
25 years and over	4,883	4,636	4,514	4,423	4,318	4,172	4,225	4,123	4,027	4,091	4,124	4,191	4,273
25 to 54 years	4,408	4,147	4,013	3,925	3,841	3,718	3,750	3,678	3,585	3,638	3,633	3,695	3,763
55 years and over	484	507	486	487	486	470	456	433	447	471	473	485	522
Men, 16 years and over	4,341	4,218	3,993	3,808	3,736	3,640	3,675	3,557	3,477	3,466	3,530	3,586	3,544
16 to 24 years	1,615	1,557	1,462	1,393	1,399	1,321	1,352	1,296	1,309	1,284	1,318	1,363	1,243
16 to 19 years	765	746	711	707	682	652	704	633	677	658	624	672	602
16 to 17 years	359	372	330	350	315	298	328	303	297	301	295	313	247
18 to 19 years	408	379	375	356	370	357	370	330	382	359	325	360	356
20 to 24 years	850	811	751	686	717	669	648	663	632	625	694	691	640
25 years and over	2,744	2,639	2,526	2,418	2,358	2,297	2,312	2,271	2,192	2,173	2,196	2,237	2,326
25 to 54 years	2,453	2,321	2,206	2,120	2,064	2,009	2,015	1,993	1,933	1,905	1,886	1,934	2,032
55 years and over	304	326	305	292	307	292	279	274	267	274	294	299	307
Women, 16 years and over	3,519	3,296	3,238	3,240	3,165	3,024	3,037	2,951	2,918	3,020	3,037	3,038	2,997
16 to 24 years	1,382	1,294	1,253	1,231	1,205	1,147	1,127	1,098	1,082	1,104	1,109	1,079	1,046
16 to 19 years	644	603	584	632	600	554	556	524	513	536	564	531	526
16 to 17 years	307	301	273	299	276	264	278	229	240	217	241	234	241
18 to 19 years	334	307	312	330	319	297	280	291	268	329	324	291	279
20 to 24 years	738	690	669	599	605	592	570	574	569	568	546	548	520
25 years and over	2,139	1,997	1,989	2,005	1,960	1,875	1,913	1,852	1,835	1,918	1,928	1,955	1,947
25 to 54 years	1,956	1,825	1,807	1,805	1,777	1,710	1,735	1,685	1,652	1,733	1,747	1,760	1,731
55 years and over	179	181	181	195	179	178	176	159	180	197	179	186	215

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Civilian workers)

Sex and age	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
Total, 16 years and over	6.6	6.3	6.0	5.8	5.7	5.5	5.5	5.3	5.2	5.3	5.3	5.3	5.2
16 to 24 years	12.9	12.4	11.8	11.5	11.4	11.0	11.0	10.7	10.7	10.7	11.0	11.2	10.6
16 to 19 years	17.8	17.0	16.2	16.6	16.0	15.1	15.5	14.5	15.0	15.0	15.0	15.2	14.5
16 to 17 years	19.8	20.0	17.7	19.1	17.8	17.1	18.4	16.5	17.1	16.6	17.5	17.5	16.2
18 to 19 years	16.2	15.0	15.0	14.7	14.6	13.9	13.5	13.1	13.5	14.2	13.4	13.6	13.4
20 to 24 years	10.4	10.0	9.5	8.7	9.0	8.7	8.4	8.6	8.4	8.4	8.7	8.9	8.4
25 years and over	5.1	4.8	4.6	4.5	4.4	4.2	4.3	4.1	4.0	4.0	4.0	4.1	4.2
25 to 54 years	5.4	5.1	4.9	4.7	4.6	4.4	4.4	4.3	4.2	4.2	4.2	4.2	4.3
55 years and over	3.3	3.4	3.2	3.2	3.2	3.1	3.0	2.9	2.9	3.1	3.1	3.2	3.4
Men, 16 years and over	6.6	6.4	6.0	5.7	5.6	5.4	5.5	5.3	5.2	5.1	5.2	5.3	5.2
16 to 24 years	13.3	13.0	12.2	11.8	11.9	11.2	11.5	11.1	11.2	11.1	11.4	11.8	11.0
16 to 19 years	18.6	18.3	17.2	17.1	16.5	15.7	16.6	15.4	16.4	15.9	15.1	16.2	14.9
16 to 17 years	20.6	21.3	18.9	20.0	18.2	17.5	19.0	17.9	18.4	18.6	18.3	19.0	15.8
18 to 19 years	17.2	16.3	15.9	14.8	15.4	14.5	14.9	13.6	15.2	14.4	13.0	14.4	14.3
20 to 24 years	10.6	10.3	9.6	8.9	9.3	8.8	8.6	8.8	8.4	8.4	9.4	9.4	8.8
25 years and over	5.1	4.9	4.7	4.4	4.3	4.2	4.2	4.1	3.9	3.9	3.9	4.0	4.1
25 to 54 years	5.4	5.1	4.8	4.6	4.5	4.3	4.3	4.3	4.1	4.0	4.0	4.0	4.2
55 years and over	3.5	3.7	3.5	3.3	3.5	3.3	3.2	3.1	3.0	3.1	3.3	3.4	3.5
Women, 16 years and over	6.6	6.2	6.0	6.0	5.8	5.6	5.5	5.3	5.2	5.4	5.4	5.4	5.3
16 to 24 years	12.5	11.7	11.4	11.2	11.0	10.7	10.5	10.3	10.2	10.4	10.5	10.4	10.2
16 to 19 years	16.9	15.6	15.0	16.1	15.4	14.4	14.2	13.7	13.4	14.0	14.8	14.0	14.1
16 to 17 years	19.0	18.5	16.4	18.2	17.3	16.6	17.7	15.0	15.7	14.5	16.5	15.7	16.6
18 to 19 years	15.2	13.6	14.0	14.5	13.9	13.1	12.0	12.7	11.7	14.0	13.8	12.7	12.3
20 to 24 years	10.2	9.6	9.4	8.5	8.6	8.6	8.3	8.4	8.4	8.4	8.0	8.4	7.9
25 years and over	5.1	4.7	4.6	4.6	4.5	4.3	4.3	4.1	4.1	4.2	4.2	4.3	4.2
25 to 54 years	5.4	5.0	4.9	4.9	4.8	4.6	4.6	4.4	4.3	4.5	4.5	4.5	4.4
55 years and over	3.0	3.0	2.9	3.1	2.9	2.8	2.8	2.5	2.8	3.0	2.7	2.8	3.3

A-50. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
CHARACTERISTIC													
Total (all civilian workers)	6.6	6.3	6.0	5.8	5.7	5.5	5.5	5.3	5.2	5.3	5.3	5.3	5.2
Men, 20 years and over	5.8	5.6	5.3	5.0	4.9	4.8	4.7	4.6	4.4	4.4	4.6	4.6	4.6
Women, 20 years and over	5.8	5.4	5.3	5.2	5.1	4.9	4.9	4.7	4.6	4.8	4.7	4.8	4.7
Both sexes, 16 to 19 years	17.8	17.0	16.2	16.6	16.0	15.1	15.5	14.5	15.0	15.0	15.0	15.2	14.5
White	5.7	5.4	5.1	5.0	4.9	4.7	4.8	4.6	4.4	4.5	4.5	4.5	4.6
Black and other	12.3	11.7	11.4	11.0	11.0	10.6	10.0	9.9	10.2	9.8	9.8	10.3	9.6
Black	13.8	13.1	12.7	12.3	12.3	12.0	11.4	11.3	11.5	11.3	11.3	11.8	10.8
Hispanic origin	9.8	8.7	8.1	8.5	8.1	8.8	7.9	7.8	7.3	8.0	8.6	8.1	7.5
Married men, spouse present	4.1	4.1	3.8	3.5	3.4	3.2	3.2	3.1	3.0	3.0	3.1	3.0	3.2
Married women, spouse present	4.6	4.3	4.2	4.2	4.1	3.8	3.9	3.7	3.5	3.9	3.8	3.9	3.7
Women who maintain families	9.7	9.5	9.1	8.6	8.2	8.3	8.0	7.9	8.0	8.0	8.1	8.0	7.8
Full-time workers	6.2	5.9	5.6	5.5	5.3	5.1	5.1	5.0	4.9	4.9	5.0	5.0	4.9
Part-time workers	9.0	8.2	8.2	8.2	8.0	7.6	7.7	7.1	7.1	7.3	7.2	7.4	7.2
Unemployed 15 weeks and over ¹	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.1	1.1	1.1
Labor force time lost ²	7.5	7.2	6.9	6.7	6.6	6.3	6.4	6.2	6.0	6.0	6.0	5.9	5.9
INDUSTRY													
Nonagricultural private wage and salary workers	6.6	6.3	6.0	5.8	5.7	5.5	5.5	5.4	5.3	5.3	5.4	5.4	5.5
Goods-producing industries	8.1	7.5	7.0	6.6	6.8	6.4	6.5	6.4	6.1	6.0	6.3	6.3	6.6
Mining	12.2	11.1	8.2	7.5	7.8	8.4	7.1	8.1	6.9	4.8	6.8	5.2	5.9
Construction	12.1	12.0	11.4	10.9	11.2	10.6	10.1	10.4	10.0	9.8	10.2	9.6	9.4
Manufacturing	6.7	6.1	5.7	5.4	5.4	5.2	5.4	5.1	5.0	5.0	5.2	5.4	5.8
Durable goods	6.5	6.0	5.7	5.0	5.4	4.8	5.1	4.9	4.7	4.6	4.8	5.3	5.6
Nondurable goods	7.0	6.3	5.8	6.0	5.6	5.7	5.8	5.5	5.4	5.5	5.6	5.6	6.1
Service-producing industries	5.9	5.7	5.5	5.3	5.2	5.0	5.0	4.9	4.9	5.0	5.0	4.9	5.0
Transportation and public utilities	4.5	4.5	4.3	4.5	3.9	4.0	3.7	3.9	3.9	4.0	4.1	3.6	3.9
Wholesale and retail trade	7.3	7.1	6.7	6.4	6.5	6.1	6.2	6.0	5.9	5.8	6.0	6.2	6.1
Finance and service industries	5.2	4.9	4.9	4.7	4.6	4.5	4.4	4.4	4.4	4.5	4.4	4.3	4.4
Government workers	3.6	3.4	3.4	3.3	3.0	2.9	2.9	2.6	2.7	2.8	2.8	2.7	2.4
Agricultural wage and salary workers	11.2	8.9	10.2	11.3	11.1	10.6	11.2	9.5	9.2	10.0	8.6	10.6	9.6

¹ Unemployment as a percent of the civilian labor force.

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
DURATION													
Less than 5 weeks	3,369	3,212	3,206	3,204	3,074	3,092	3,104	3,066	3,141	3,154	3,150	3,242	3,157
5 to 14 weeks	2,402	2,176	2,108	2,067	2,116	1,971	1,973	1,945	1,914	2,002	1,999	2,000	2,045
15 weeks and over	2,112	2,090	1,900	1,787	1,722	1,586	1,617	1,497	1,378	1,339	1,386	1,387	1,377
15 to 26 weeks	987	1,004	889	862	853	767	810	766	698	687	789	746	737
27 weeks and over	1,125	1,085	1,010	925	869	819	807	731	680	652	597	641	640
Average (mean) duration, in weeks	14.8	14.9	14.3	14.1	14.1	13.5	13.5	12.9	12.4	11.9	11.6	11.6	11.9
Median duration, in weeks	6.7	6.7	6.3	6.1	6.4	5.8	5.9	5.6	5.5	5.4	5.1	4.9	5.2
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.7	43.0	44.4	45.4	44.5	46.5	46.4	47.1	48.8	48.6	48.2	48.9	48.0
5 to 14 weeks	30.5	29.1	29.2	29.3	30.6	29.6	29.5	29.9	29.7	30.8	30.6	30.2	31.1
15 weeks and over	26.8	27.9	26.3	25.3	24.9	23.9	24.2	23.0	21.4	20.6	21.2	20.9	20.9
15 to 26 weeks	12.5	13.4	12.3	12.2	12.3	11.5	12.1	11.8	10.8	10.6	12.1	11.3	11.2
27 weeks and over	14.3	14.5	14.0	13.1	12.6	12.3	12.1	11.2	10.6	10.0	9.1	9.7	9.7

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

(Numbers in thousands)

Reasons for unemployment	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
NUMBER OF UNEMPLOYED													
Job losers	3,843	3,654	3,404	3,303	3,163	3,106	3,089	2,999	2,940	2,850	2,937	3,056	3,108
On layoff	1,017	947	875	898	876	838	860	826	801	817	849	902	979
Other job losers	2,826	2,707	2,529	2,405	2,287	2,268	2,229	2,173	2,139	2,033	2,089	2,154	2,129
Job leavers	966	953	990	951	1,024	960	963	985	952	1,036	1,027	1,033	1,012
Reentrants	2,074	1,985	1,915	1,925	1,890	1,768	1,817	1,760	1,789	1,909	1,864	1,863	1,798
New entrants	991	925	878	887	861	838	794	773	746	705	671	689	655
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	48.8	48.6	47.4	46.7	45.6	46.5	46.4	46.0	45.7	43.8	45.2	46.0	47.3
On layoff	12.9	12.6	12.2	12.7	12.6	12.6	12.9	12.7	12.5	12.6	13.1	13.6	14.9
Other job losers	35.9	36.0	35.2	34.0	33.0	34.0	33.5	33.3	33.3	31.3	32.1	32.4	32.4
Job leavers	12.3	12.7	13.8	13.5	14.8	14.4	14.4	15.1	14.8	15.9	15.8	15.6	15.4
Reentrants	26.3	26.4	26.6	27.2	27.2	26.5	27.3	27.0	27.8	29.4	28.7	28.1	27.4
New entrants	12.6	12.3	12.2	12.6	12.4	12.6	11.9	11.9	11.6	10.8	10.3	10.4	10.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.2	3.1	2.8	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.4	2.5	2.5
Job leavers .....	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Reentrants	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.4
New entrants .....	.8	.8	.7	.7	.7	.7	.7	.6	.6	.6	.5	.6	.5

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, sex, and race	1987				1988				1989				1990
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I
TOTAL													
Total not in labor force	62,937	62,852	62,936	62,870	62,969	63,074	62,914	62,811	62,564	62,419	62,567	62,624	62,793
Do not want a job now	57,022	57,040	57,248	57,375	57,425	57,616	58,048	57,506	57,232	57,007	57,626	57,577	57,272
Current activity:													
Going to school	6,433	6,384	6,182	6,472	6,356	6,317	6,799	6,289	6,367	6,278	6,995	6,229	6,379
Ill, disabled	4,169	4,205	4,428	4,373	4,323	4,477	4,451	4,688	4,567	4,774	4,671	4,767	4,653
Keeping house	26,167	25,569	25,604	25,564	25,254	25,370	25,368	24,573	24,507	24,096	24,031	23,886	23,961
Retired	15,877	16,263	16,320	16,465	16,885	16,792	16,803	17,256	17,194	17,387	17,673	18,270	18,227
Other activity	4,376	4,619	4,715	4,502	4,607	4,660	4,627	4,700	4,597	4,472	4,256	4,425	4,052
Want a job now	5,781	5,900	5,753	5,466	5,492	5,340	5,230	5,439	5,303	5,323	5,463	5,176	5,452
Reason not looking:													
School attendance	1,370	1,497	1,488	1,363	1,337	1,301	1,349	1,408	1,291	1,286	1,447	1,246	1,406
Ill health, disability	847	890	838	880	834	815	796	782	887	932	888	907	920
Home responsibilities	1,237	1,331	1,268	1,233	1,190	1,215	1,129	1,140	1,176	1,154	1,175	1,251	1,164
Think cannot get a job	1,112	1,052	1,025	911	998	911	944	954	851	865	817	827	747
Job-market factors	742	706	656	573	677	603	606	587	563	523	518	563	488
Personal factors	370	346	369	338	320	308	338	367	289	343	299	263	259
Other reasons ¹	1,215	1,131	1,133	1,080	1,133	1,098	1,012	1,154	1,097	1,085	1,136	945	1,214
Men													
Total not in labor force	20,535	20,662	20,797	20,808	20,930	20,868	20,870	21,049	20,950	20,840	21,009	20,953	21,193
Do not want a job now	18,461	18,625	18,836	18,884	18,971	18,892	19,036	19,087	19,027	18,941	19,169	19,221	19,201
Want a job now	2,006	2,077	2,028	1,911	1,977	1,893	1,900	2,005	1,946	1,913	2,015	1,765	2,006
Reason not looking:													
School attendance	691	758	731	707	674	677	657	701	656	634	735	583	747
Ill health, disability	416	449	401	438	408	354	372	373	412	448	476	431	450
Think cannot get a job	454	432	451	365	439	407	455	455	405	401	349	377	315
Other reasons ¹	444	438	444	401	456	455	416	476	473	430	455	374	494
Women													
Total not in labor force	42,401	42,190	42,140	42,062	42,040	42,205	42,045	41,762	41,614	41,579	41,559	41,670	41,600
Do not want a job now	38,561	38,415	38,412	38,491	38,454	38,724	39,012	38,419	38,205	38,066	38,456	38,356	38,072
Want a job now	3,775	3,822	3,725	3,555	3,515	3,447	3,329	3,434	3,357	3,410	3,448	3,411	3,446
Reason not looking:													
School attendance	679	738	757	656	663	624	692	707	636	652	712	663	659
Ill health, disability	430	440	437	442	426	461	424	409	475	484	412	476	470
Home responsibilities	1,237	1,331	1,268	1,233	1,190	1,215	1,129	1,140	1,176	1,154	1,175	1,251	1,164
Think cannot get a job	658	620	574	546	559	505	488	500	447	464	468	450	432
Other reasons ¹	771	693	689	678	677	643	596	678	624	655	681	571	719
White													
Total not in labor force	53,727	53,613	53,728	53,643	53,565	53,531	53,401	53,267	53,049	52,920	53,052	52,955	52,999
Do not want a job now	49,436	49,327	49,490	49,567	49,538	49,697	49,719	49,349	49,263	49,109	49,310	49,286	48,997
Want a job now	4,200	4,334	4,284	4,046	4,029	3,846	3,695	3,872	3,850	3,769	3,785	3,659	4,030
Reason not looking:													
School attendance	964	1,108	1,046	974	968	910	893	926	901	893	983	831	988
Ill health, disability	597	665	655	698	614	608	569	550	672	643	599	634	683
Home responsibilities	930	939	957	898	859	832	815	824	805	815	801	899	849
Think cannot get a job	758	724	678	590	687	603	601	646	583	535	525	531	549
Other reasons ¹	951	899	947	886	901	893	817	925	889	883	878	764	960
Black													
Total not in labor force	7,391	7,426	7,316	7,312	7,444	7,555	7,490	7,468	7,464	7,532	7,547	7,601	7,678
Do not want a job now	5,980	6,137	6,108	6,073	6,124	6,319	6,267	6,154	6,145	6,275	6,032	6,281	6,401
Want a job now	1,393	1,320	1,188	1,228	1,308	1,275	1,211	1,297	1,309	1,314	1,558	1,295	1,291
Reason not looking:													
School attendance	343	326	317	342	343	326	312	385	332	315	427	343	351
Ill health, disability	228	192	157	175	206	187	215	210	207	243	288	265	239
Home responsibilities	287	316	276	302	303	319	262	280	338	269	354	313	288
Think cannot get a job	331	305	292	248	267	271	285	221	255	317	263	232	195
Other reasons ¹	204	181	147	161	189	171	137	200	177	169	226	142	218

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	Total		Age							
	1989	1990	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			1989	1990	1989	1990	1989	1990	1989	1990
TOTAL										
Total not in labor force	63,698	63,903	7,124	6,922	4,179	4,240	20,793	20,765	31,602	31,977
Do not want a job now	58,250	58,331	5,947	5,708	3,397	3,484	17,908	17,769	30,994	31,370
Current activity:										
Going to school	8,035	8,050	5,275	5,157	1,744	1,870	996	993	17	29
Ill, disabled	4,550	4,629	38	18	127	141	2,392	2,451	1,992	2,019
Keeping house	24,544	23,994	298	286	1,136	1,128	11,572	11,471	11,539	11,110
Retired	17,089	18,094	--	--	--	--	444	425	16,644	17,669
Other activity	4,032	3,564	336	247	390	345	2,502	2,430	802	543
Want a job now	5,448	5,573	1,177	1,214	785	756	2,885	2,996	607	606
Reason for not looking:										
School attendance	1,465	1,584	956	1,006	265	291	242	285	4	2
Ill health, disability	859	885	17	26	53	51	640	631	150	178
Home responsibility	1,158	1,146	69	49	235	206	807	862	48	29
Think cannot get a job	941	825	67	59	121	97	556	505	198	165
Job-market factors	623	541	33	36	83	67	403	349	103	90
Personal factors	318	284	34	23	38	30	153	156	95	75
Other reasons ¹	1,025	1,132	68	74	111	112	640	714	207	233
Men										
Total not in labor force	21,659	21,886	3,464	3,404	1,468	1,509	4,385	4,421	12,342	12,552
Do not want a job now	19,670	19,845	2,865	2,803	1,212	1,258	3,548	3,536	12,044	12,248
Current activity:										
Going to school	4,057	3,979	2,676	2,649	919	954	460	371	2	6
Ill, disabled	2,363	2,488	15	14	82	81	1,346	1,396	921	996
Keeping house	401	411	9	2	14	18	134	155	241	236
Retired	10,632	10,958	--	--	--	--	313	332	10,319	10,626
Other activity	2,217	2,010	165	138	197	205	1,295	1,282	561	384
Want a job now	1,989	2,041	600	600	255	251	838	886	298	304
Reason for not looking:										
School attendance	710	807	503	530	124	152	84	124	--	--
Ill health, disability	375	409	4	13	11	16	292	303	67	76
Think cannot get a job	453	355	47	23	58	29	231	223	117	79
Other reasons ¹	451	471	46	34	62	53	231	234	114	149
Women										
Total not in labor force	42,039	42,017	3,660	3,518	2,711	2,731	16,409	16,344	19,260	19,424
Do not want a job now	38,580	38,485	3,081	2,904	2,181	2,226	14,364	14,233	18,951	19,122
Current activity:										
Going to school	3,978	4,071	2,599	2,509	824	917	539	622	15	24
Ill, disabled	2,187	2,141	22	4	46	60	1,048	1,055	1,072	1,023
Keeping house	24,143	23,583	289	284	1,118	1,110	11,438	11,316	11,297	10,874
Retired	6,456	7,136	--	--	--	--	131	93	6,325	7,043
Other activity	1,815	1,554	171	108	193	140	1,208	1,148	242	158
Want a job now	3,459	3,532	578	614	530	505	2,045	2,111	308	302
Reason for not looking:										
School attendance	756	777	453	476	142	138	158	160	4	2
Ill health, disability	484	477	13	12	42	35	346	328	83	102
Home responsibility	1,158	1,146	69	49	235	206	807	862	48	29
Think cannot get a job	487	471	21	36	62	67	324	281	80	86
Other reasons ¹	574	662	22	40	49	59	410	479	93	83

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	1989	1990	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
WHITE												
Total not in labor force	53,985	53,903	8,592	8,428	17,160	16,983	28,233	28,493	18,076	18,159	35,909	35,744
Do not want a job now	50,118	49,845	7,338	7,085	15,043	14,774	27,735	27,987	16,685	16,632	33,432	33,213
Current activity:												
Going to school	6,280	6,217	5,556	5,427	708	762	14	28	3,194	3,030	3,086	3,188
Ill, disabled	3,546	3,522	102	108	1,818	1,849	1,625	1,565	1,829	1,874	1,717	1,648
Keeping house	21,750	21,056	1,129	1,131	10,139	9,862	10,481	10,063	323	313	21,427	20,743
Retired	15,263	16,178	--	--	383	357	14,880	15,821	9,551	9,856	5,712	6,322
Other activity	3,278	2,872	551	419	1,995	1,943	735	510	1,788	1,559	1,490	1,313
Want a job now	3,867	4,039	1,251	1,332	2,117	2,209	499	498	1,390	1,487	2,477	2,552
Reason for not looking:												
School attendance	977	1,062	817	867	160	194	--	--	443	555	534	507
Ill health, disability	664	677	58	61	487	482	119	134	285	319	379	358
Home responsibility	779	821	160	158	577	638	42	26	--	--	779	821
Think cannot get a job	630	593	94	113	368	339	166	141	316	249	313	344
Other reasons ¹	817	886	122	133	525	556	172	197	346	364	472	522
BLACK												
Total not in labor force	7,630	7,842	2,119	2,157	2,729	2,840	2,782	2,844	2,810	2,957	4,820	4,884
Do not want a job now	6,259	6,513	1,495	1,602	2,085	2,170	2,680	2,742	2,314	2,492	3,946	4,022
Current activity:												
Going to school	1,211	1,294	1,061	1,180	149	112	2	1	5,574	640	654	654
Ill, disabled	898	991	61	47	526	525	311	419	471	536	428	455
Keeping house	2,032	2,160	233	227	940	1,106	858	826	49	80	1,982	2,079
Retired	1,536	1,532	--	--	51	57	1,485	1,475	899	887	638	645
Other activity	582	537	140	148	419	369	24	20	338	349	244	189
Want a job now	1,371	1,328	624	555	645	671	102	102	497	466	875	863
Reason for not looking:												
School attendance	413	432	353	368	56	62	4	2	221	199	192	233
Ill health, disability	189	192	11	16	146	135	32	42	84	85	104	107
Home responsibility	339	292	136	89	196	200	7	3	--	--	339	292
Think cannot get a job	254	198	80	37	147	141	28	20	98	86	157	112
Other reasons ¹	177	214	44	45	100	133	31	36	94	95	83	119
HISPANIC ORIGIN												
Total not in labor force	4,490	4,741	1,246	1,294	2,054	2,187	1,191	1,260	1,258	1,386	3,232	3,355
Do not want a job now	3,953	4,112	1,056	1,072	1,758	1,756	1,137	1,284	1,091	1,176	2,861	2,936
Current activity:												
Going to school	753	775	698	682	55	89	--	4	351	369	401	405
Ill, disabled	310	341	22	27	206	192	81	122	171	197	138	143
Keeping house	2,068	2,121	257	313	1,269	1,297	542	512	32	36	2,036	2,085
Retired	516	656	--	--	15	29	501	627	362	462	154	194
Other activity	306	221	79	51	213	149	13	20	175	112	132	109
Want a job now	537	670	189	255	294	384	54	31	167	226	370	444
Reason for not looking:												
School attendance	129	181	97	156	32	24	--	--	51	77	79	103
Ill health, disability	98	94	17	12	58	67	23	15	43	64	55	30
Home responsibility	130	142	37	27	93	113	--	3	--	--	130	142
Think cannot get a job	90	121	14	28	55	85	21	9	41	37	48	84
Other reasons ¹	90	132	24	32	56	95	10	5	32	48	58	84

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(in thousands)

Reason and sex	1st Quarter 1990							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
TOTAL								
Personal factors:								
Employers think too young or old	98	10	2	19	67	85	11	10
Lacks education or training	145	13	16	116	--	115	18	42
Other personal handicap	41	--	12	21	8	38	3	11
Job-market factors:								
Could not find work	288	27	39	189	33	172	108	50
Thinks no job available	253	9	28	160	56	182	58	8
Men								
Personal factors:								
Employers think too young or old	50	8	--	10	32	40	8	8
Lacks education or training	47	2	3	43	--	40	3	12
Other personal handicap	11	--	4	7	--	10	1	2
Job-market factors:								
Could not find work	134	9	14	94	18	77	53	15
Thinks no job available	112	5	8	71	28	83	20	--
Women								
Personal factors:								
Employers think too young or old	48	3	2	9	35	46	3	2
Lacks education or training	98	11	13	73	--	75	15	30
Other personal handicap	30	--	8	14	8	28	2	9
Job-market factors:								
Could not find work	153	18	24	96	15	95	55	35
Thinks no job available	141	4	20	89	28	100	38	8

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	| 1989	| 1990	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			| 1989	| 1990	| 1989	| 1990	| 1989	| 1990	| 1989	| 1990	| 1989	| 1990
TOTAL												
Do not intend to seek work	53,809	53,974	6,002	5,832	16,830	16,750	30,979	31,392	46,297	46,129	5,867	6,036
Intend to seek work in the next 12 months	9,888	9,930	5,302	5,330	3,964	4,016	623	585	7,687	7,755	1,763	1,805
Never worked	1,694	1,681	1,548	1,514	141	164	3	3	1,101	1,128	436	467
Last worked over 5 years ago	1,068	1,038	22	57	837	783	210	198	790	776	247	230
Last worked 1 to 5 years ago	2,016	2,071	591	603	1,269	1,314	156	154	1,545	1,593	402	421
Worked during the previous 12 months	5,110	5,140	3,140	3,157	1,718	1,754	253	229	4,251	4,259	679	687
Men												
Do not intend to seek work	17,696	17,815	2,385	2,271	3,287	3,273	12,023	12,271	14,977	14,950	2,168	2,231
Intend to seek work in the next 12 months	3,962	4,072	2,548	2,642	1,097	1,148	318	282	3,099	3,169	643	726
Never worked	826	815	779	765	48	50	--	--	533	530	210	232
Last worked over 5 years ago	256	250	5	8	157	169	94	73	193	164	51	77
Last worked 1 to 5 years ago	613	677	225	234	312	355	77	89	474	519	111	142
Worked during the previous 12 months	2,268	2,330	1,539	1,635	582	574	147	120	1,899	1,957	270	274
Women												
Do not intend to seek work	36,113	36,159	3,617	3,561	13,542	13,477	18,954	19,121	31,320	31,179	3,700	3,805
Intend to seek work in the next 12 months	5,925	5,858	2,754	2,688	2,867	2,867	305	303	4,588	4,586	1,120	1,079
Never worked	868	866	770	749	94	114	3	3	568	598	225	235
Last worked over 5 years ago	812	788	17	49	679	614	116	125	597	612	195	152
Last worked 1 to 5 years ago	1,403	1,394	366	369	958	959	80	65	1,071	1,074	291	279
Worked during the previous 12 months	2,842	2,810	1,601	1,521	1,135	1,180	106	109	2,352	2,302	409	413

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	1989	1990	1989	1990	1989	1990	1989	1990
TOTAL								
Civilian noninstitutional population	185,773	187,411	158,944	160,007	20,904	21,187	13,606	14,119
Civilian labor force	122,074	123,508	104,959	106,104	13,274	13,346	9,116	9,378
Percent of population	65.7	65.9	66.0	66.3	63.5	63.0	67.0	66.4
Employed	115,218	116,479	99,896	100,794	11,707	11,858	8,407	8,633
Agriculture	2,853	2,784	2,668	2,605	147	116	399	381
Nonagricultural industries	112,364	113,696	97,229	98,189	11,560	11,742	8,007	8,252
Unemployed	6,857	7,029	5,063	5,310	1,567	1,488	709	745
Unemployment rate	5.6	5.7	4.8	5.0	11.8	11.2	7.8	7.9
Not in labor force	63,698	63,903	53,985	53,903	7,630	7,842	4,490	4,741
Men, 16 years and over								
Civilian noninstitutional population	88,448	89,314	76,259	76,854	9,385	9,515	6,730	6,996
Civilian labor force	66,789	67,428	58,183	58,695	6,574	6,558	5,472	5,611
Percent of population	75.5	75.5	76.3	76.4	70.0	68.9	81.3	80.2
Employed	62,826	63,369	55,163	55,569	5,760	5,762	5,073	5,185
Agriculture	2,219	2,204	2,064	2,048	125	108	352	343
Nonagricultural industries	60,607	61,165	53,099	53,521	5,635	5,654	4,721	4,842
Unemployed	3,963	4,059	3,020	3,126	814	796	399	426
Unemployment rate	5.9	6.0	5.2	5.3	12.4	12.1	7.3	7.6
Not in labor force	21,659	21,886	18,076	18,159	2,810	2,957	1,258	1,386
Men, 20 years and over								
Civilian noninstitutional population	81,251	82,264	70,388	71,168	8,313	8,437	6,033	6,282
Civilian labor force	63,056	63,782	54,948	55,550	6,168	6,159	5,115	5,244
Percent of population	77.6	77.5	78.1	78.1	74.2	73.0	84.8	83.5
Employed	59,771	60,327	52,452	52,888	5,492	5,486	4,783	4,884
Agriculture	2,095	2,060	1,942	1,905	122	107	335	324
Nonagricultural industries	57,676	58,267	50,510	50,983	5,370	5,379	4,448	4,559
Unemployed	3,285	3,455	2,495	2,662	675	673	332	361
Unemployment rate	5.2	5.4	4.5	4.8	10.9	10.9	6.5	6.9
Not in labor force	18,195	18,483	15,440	15,618	2,145	2,278	918	1,037
Women, 16 years and over								
Civilian noninstitutional population	97,325	98,097	82,685	83,153	11,520	11,672	6,876	7,123
Civilian labor force	55,285	56,080	46,776	47,409	6,700	6,788	3,644	3,768
Percent of population	56.8	57.2	56.6	57.0	58.2	58.2	53.0	52.9
Employed	52,392	53,110	44,733	45,225	5,947	6,095	3,334	3,448
Agriculture	634	579	603	557	22	8	47	38
Nonagricultural industries	51,758	52,531	44,130	44,668	5,925	6,087	3,287	3,410
Unemployed	2,894	2,970	2,043	2,184	753	692	310	320
Unemployment rate	5.2	5.3	4.4	4.6	11.2	10.2	8.5	8.5
Not in labor force	42,039	42,017	35,909	35,744	4,820	4,884	3,232	3,355
Women, 20 years and over								
Civilian noninstitutional population	90,155	91,162	76,901	77,574	10,416	10,580	6,190	6,424
Civilian labor force	51,776	52,662	43,742	44,468	6,322	6,414	3,394	3,500
Percent of population	57.4	57.8	56.9	57.3	60.7	60.6	54.8	54.5
Employed	49,343	50,166	42,024	42,655	5,693	5,816	3,122	3,232
Agriculture	593	545	562	522	22	8	43	35
Nonagricultural industries	48,750	49,621	41,462	42,133	5,671	5,808	3,078	3,196
Unemployed	2,433	2,497	1,718	1,813	629	598	272	269
Unemployment rate	4.7	4.7	3.9	4.1	9.9	9.3	8.0	7.7
Not in labor force	38,379	38,499	33,158	33,106	4,094	4,166	2,796	2,924
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,367	13,985	11,655	11,265	2,175	2,170	1,384	1,413
Civilian labor force	7,243	7,064	6,269	6,085	784	773	607	634
Percent of population	50.4	50.5	53.8	54.0	36.0	35.6	43.9	44.9
Employed	6,104	5,986	5,420	5,250	521	556	502	518
Agriculture	166	179	164	177	2	1	21	21
Nonagricultural industries	5,938	5,808	5,256	5,073	519	555	481	497
Unemployed	1,139	1,077	849	835	263	217	105	116
Unemployment rate	15.7	15.3	13.5	13.7	33.5	28.0	17.3	18.3
Not in labor force	7,124	6,922	5,386	5,180	1,391	1,397	777	779

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1989	1990	1989	1990	1989	1990	1989	1990
TOTAL								
Civilian noninstitutional population	13,606	14,119	8,065	8,560	1,575	1,531	931	879
Civilian labor force	9,116	9,378	55,545	5,794	882	855	588	572
Percent of population	67.0	66.4	68.8	67.7	56.0	55.9	63.2	65.1
Employed	8,407	8,633	5,078	5,303	805	779	551	536
Agriculture	399	381	364	346	1	8	7	6
Nonagricultural industries	8,007	8,252	4,714	4,957	804	771	543	531
Unemployed	709	745	467	491	76	76	37	36
Unemployment rate	7.8	7.9	8.4	8.5	8.7	8.9	6.3	6.3
Not in labor force	4,490	4,741	2,520	2,766	694	676	343	306
Men, 16 years and over								
Civilian noninstitutional population	6,730	6,996	4,148	4,395	701	694	446	422
Civilian labor force	5,472	5,611	3,435	3,618	516	489	353	315
Percent of population	81.3	80.2	82.8	82.3	73.6	70.6	79.1	74.7
Employed	5,073	5,185	3,177	3,327	467	445	330	297
Agriculture	352	343	328	310	1	8	4	5
Nonagricultural industries	4,721	4,842	2,848	3,017	466	437	326	292
Unemployed	399	426	259	292	49	44	23	18
Unemployment rate	7.3	7.6	7.5	8.1	9.5	9.1	6.4	5.7
Not in labor force	1,258	1,386	713	777	185	204	93	107
Men, 20 years and over								
Civilian noninstitutional population	6,033	6,282	3,682	3,922	627	621	417	405
Civilian labor force	5,115	5,244	3,190	3,352	479	464	342	305
Percent of population	84.8	83.5	86.6	85.5	76.4	74.7	82.0	75.4
Employed	4,783	4,884	2,978	3,108	438	426	320	289
Agriculture	335	324	314	292	1	7	4	5
Nonagricultural industries	4,448	4,559	2,664	2,816	436	419	317	285
Unemployed	332	361	212	244	41	38	22	16
Unemployment rate	6.5	6.9	6.6	7.3	8.6	8.1	6.4	5.3
Not in labor force	918	1,037	492	570	148	157	74	100
Women, 16 years and over								
Civilian noninstitutional population	6,876	7,123	3,916	4,164	874	837	485	457
Civilian labor force	3,644	3,768	2,110	2,175	366	366	235	257
Percent of population	53.0	52.9	53.9	52.2	41.9	43.7	48.5	56.3
Employed	3,334	3,448	1,901	1,976	338	334	220	239
Agriculture	47	38	36	37	--	--	3	1
Nonagricultural industries	3,287	3,410	1,866	1,939	338	334	218	238
Unemployed	310	320	208	199	27	32	14	18
Unemployment rate	8.5	8.5	9.9	9.1	7.5	8.6	6.1	7.0
Not in labor force	3,232	3,355	1,806	1,989	508	472	250	200
Women, 20 years and over								
Civilian noninstitutional population	6,190	6,424	3,450	3,692	782	770	458	431
Civilian labor force	3,394	3,500	1,921	1,988	343	344	227	243
Percent of population	54.8	54.5	55.7	53.9	43.9	44.7	49.6	56.4
Employed	3,122	3,232	1,737	1,829	322	315	213	227
Agriculture	43	35	32	34	--	--	3	1
Nonagricultural industries	3,078	3,196	1,705	1,794	322	315	210	226
Unemployed	272	269	183	159	21	29	14	16
Unemployment rate	8.0	7.7	9.5	8.0	6.1	8.5	6.1	6.7
Not in labor force	2,796	2,924	1,529	1,704	439	426	231	188
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,384	1,413	933	946	167	140	56	43
Civilian labor force	607	634	435	454	60	47	19	24
Percent of population	43.9	44.9	46.6	47.9	35.9	33.6	(²)	(²)
Employed	502	518	363	367	46	38	17	20
Agriculture	21	21	18	20	--	1	1	--
Nonagricultural industries	481	497	345	346	46	37	16	20
Unemployed	105	116	72	87	14	9	2	4
Unemployment rate	17.3	18.3	16.6	19.2	23.8	(²)	(²)	(²)
Not in labor force	777	779	498	493	107	93	37	19

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	Total		White		Black		Hispanic origin	
	1989	1990	1989	1990	1989	1990	1989	1990
CHARACTERISTIC								
Total (all civilian workers)	115,218	116,479	99,896	100,794	11,707	11,858	8,407	8,633
Men	62,826	63,369	55,163	55,569	5,760	5,762	5,073	5,185
Women	52,392	53,110	44,733	45,225	5,947	6,095	3,334	3,448
OCCUPATION								
Managerial and professional specialty	30,145	30,727	27,266	27,690	1,800	1,910	1,150	1,117
Executive, administrative, and managerial	14,624	14,820	13,370	13,499	808	859	599	576
Professional specialty	15,521	15,908	13,896	14,191	992	1,052	552	541
Technical, sales, and administrative support	35,411	36,774	31,073	32,191	3,227	3,389	2,056	2,156
Technicians and related support	3,596	3,819	3,096	3,255	332	351	163	159
Sales occupations	13,635	14,246	12,411	12,929	833	890	790	795
Administrative support, including clerical	18,180	18,709	15,566	16,007	2,062	2,147	1,103	1,202
Service occupations	15,471	15,357	12,268	12,092	2,648	2,661	1,636	1,707
Private household	895	769	651	562	221	184	143	143
Protective service	1,954	1,987	1,600	1,625	317	311	101	127
Service, except private household and protective	12,623	12,602	10,017	9,905	2,111	2,166	1,393	1,437
Precision production, craft, and repair	13,566	13,465	12,154	12,047	1,078	1,094	1,162	1,154
Mechanics and repairers	4,607	4,408	4,165	3,965	340	354	346	328
Construction trades	4,780	4,998	4,338	4,572	361	333	410	455
Other precision production, craft, and repair	4,179	4,059	3,651	3,510	376	407	406	370
Operators, fabricators, and laborers	17,726	17,319	14,476	14,188	2,765	2,616	1,987	2,120
Machine operators, assemblers, and inspectors	8,259	7,854	6,728	6,485	1,225	1,084	1,103	1,107
Transportation and material moving occupations	4,713	4,694	3,931	3,883	710	715	313	413
Handlers, equipment cleaners, helpers, and laborers	4,755	4,771	3,816	3,819	830	817	571	600
Construction laborers	684	711	538	601	134	98	134	115
Other handlers, equipment cleaners, helpers, and laborers	4,071	4,059	3,278	3,218	696	719	437	485
Farming, forestry, and fishing	2,898	2,837	2,658	2,587	189	187	414	378
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,451	1,416	1,293	1,273	134	91	347	337
Self-employed workers	1,290	1,284	1,264	1,249	13	24	51	43
Unpaid family workers	113	84	110	83	-	1	1	-
Nonagricultural industries:								
Wage and salary workers	103,649	104,890	89,143	90,137	11,193	11,326	7,512	7,724
Government	17,593	17,899	14,243	14,665	2,747	2,632	948	942
Private industries	86,055	86,991	74,899	75,472	8,446	8,694	6,565	6,782
Private households	1,085	960	794	707	261	225	161	170
Other industries	84,970	86,031	74,105	74,764	8,185	8,470	6,403	6,612
Self-employed workers	8,419	8,537	7,812	7,810	358	408	473	516
Unpaid family workers	296	269	274	242	10	7	22	13
FULL- AND PART-TIME STATUS¹								
Full-time schedules	92,850	94,230	80,176	81,236	9,704	9,857	7,023	7,240
Part time for economic reasons	4,972	4,918	4,098	4,061	756	711	587	557
Part time for noneconomic reasons	17,395	17,331	15,622	15,497	1,247	1,288	796	836

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1989	1990	1989	1990	1989	1990	1989	1990
CHARACTERISTIC								
Total (all civilian workers)	8,407	8,633	5,078	5,303	805	779	551	536
Men	5,073	5,185	3,177	3,327	467	445	330	297
Women	3,334	3,448	1,901	1,976	338	334	220	239
OCCUPATION								
Managerial and professional specialty	1,150	1,117	536	560	132	123	133	129
Executive, administrative, and managerial	599	576	280	308	57	53	76	63
Professional specialty	552	541	256	251	75	70	57	65
Technical, sales, and administrative support	2,056	2,156	1,125	1,199	243	238	182	175
Technicians and related support	163	159	76	97	23	16	16	8
Sales occupations	790	795	440	437	67	73	92	69
Administrative support, including clerical	1,103	1,202	608	665	153	149	74	98
Service occupations	1,636	1,707	981	994	143	159	72	70
Private household	143	143	57	61	2	6	2	2
Protective service	101	127	60	69	25	30	6	11
Service, except private household and protective	1,393	1,437	864	864	117	123	64	56
Precision production, craft, and repair	1,162	1,154	743	765	125	106	55	58
Mechanics and repairers	346	328	195	191	54	47	23	22
Construction trades	410	455	265	332	41	23	19	23
Other precision production, craft, and repair	406	370	283	243	30	36	13	13
Operators, fabricators, and laborers	1,987	2,120	1,316	1,448	161	145	104	98
Machine operators, assemblers, and inspectors	1,103	1,107	722	750	94	80	56	45
Transportation and material moving occupations	313	413	192	264	25	29	22	26
Handlers, equipment cleaners, helpers, and laborers	571	600	402	434	42	36	26	27
Construction laborers	134	115	99	88	3	4	4	4
Other handlers, equipment cleaners, helpers, and laborers	437	485	303	346	38	31	22	22
Farming, forestry, and fishing	414	378	377	337	1	8	5	7
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	347	337	318	308	2	7	6	6
Self-employed workers	51	43	46	39	-	1	2	-
Unpaid family workers	1	-	1	-	-	-	-	-
Nonagricultural industries:								
Wage and salary workers	7,512	7,724	4,464	4,665	779	740	470	479
Government	948	942	588	604	119	107	49	59
Private industries	6,565	6,782	3,876	4,062	660	633	421	420
Private households	161	170	64	79	2	7	3	2
Other industries	6,403	6,612	3,812	3,983	658	626	418	418
Self-employed workers	473	516	233	286	24	31	71	48
Unpaid family workers	22	13	16	5	1	1	1	4
FULL- AND PART-TIME STATUS²								
Full-time schedules	7,023	7,240	4,185	4,410	706	685	473	460
Part time for economic reasons	587	557	401	407	37	23	26	21
Part time for noneconomic reasons	796	836	492	486	63	72	51	55

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	1989	1990	1989	1990	1989	1990	1989	1990
Total, 16 years and over	115,218	116,479	99,896	100,794	11,707	11,858	8,407	8,633
16 to 19 years	6,104	5,986	5,420	5,250	521	556	502	518
16 to 17 years	2,252	2,170	2,002	1,930	184	177	137	163
18 to 19 years	3,852	3,816	3,418	3,321	337	379	365	355
20 to 24 years	12,715	12,324	10,892	10,575	1,456	1,367	1,230	1,293
25 years and over	96,399	98,169	83,584	84,969	9,730	9,935	6,674	6,823
25 to 54 years	81,653	83,429	70,431	71,829	8,500	8,692	5,975	6,138
55 years and over	14,746	14,741	13,153	13,140	1,230	1,243	699	685
Men, 16 years and over	62,826	63,369	55,163	55,569	5,760	5,762	5,073	5,185
16 to 19 years	3,055	3,042	2,711	2,680	267	277	290	301
16 to 17 years	1,104	1,095	986	980	94	87	74	100
18 to 19 years	1,951	1,946	1,725	1,700	174	189	216	201
20 to 24 years	6,645	6,407	5,691	5,543	754	659	771	815
25 years and over	53,126	53,920	46,761	47,345	4,739	4,827	4,013	4,068
25 to 54 years	44,664	45,525	39,103	39,761	4,129	4,204	3,577	3,681
55 years and over	8,462	8,395	7,659	7,584	610	622	435	388
Women, 16 years and over	52,392	53,110	44,733	45,225	5,947	6,095	3,334	3,448
16 to 19 years	3,049	2,945	2,709	2,570	254	280	212	217
16 to 17 years	1,147	1,074	1,016	949	90	90	62	63
18 to 19 years	1,902	1,870	1,693	1,620	164	189	150	153
20 to 24 years	6,070	5,917	5,201	5,032	702	708	459	477
25 years and over	43,273	44,249	36,823	37,624	4,991	5,108	2,664	2,754
25 to 54 years	36,989	37,904	31,328	32,068	4,371	4,487	2,398	2,457
55 years and over	6,283	6,345	5,494	5,555	620	621	266	297

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

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

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	1989	1990	1989	1990	1989	1990	1989	1990
Total, 16 years and over	5.6	5.7	4.8	5.0	11.8	11.2	7.8	7.9
16 to 19 years	15.7	15.3	13.5	13.7	33.5	28.0	17.3	18.3
16 to 17 years	17.8	16.8	15.8	15.7	35.3	29.1	21.0	21.5
18 to 19 years	14.5	14.3	12.2	12.5	32.5	27.5	15.9	16.8
20 to 24 years	9.1	9.1	7.8	7.8	17.8	18.6	11.5	9.4
25 years and over	4.4	4.6	3.8	4.0	9.2	8.8	6.3	6.8
25 to 54 years	4.6	4.7	3.9	4.1	9.7	9.3	6.4	6.9
55 years and over	3.2	3.7	3.0	3.6	6.0	4.9	5.3	5.6
Men, 16 years and over	5.9	6.0	5.2	5.3	12.4	12.1	7.3	7.6
16 to 19 years	18.2	16.6	16.2	14.8	34.1	30.7	18.9	17.7
16 to 17 years	20.1	17.1	18.3	15.4	35.2	33.2	22.7	16.6
18 to 19 years	17.1	16.2	15.0	14.4	33.6	29.4	17.5	18.3
20 to 24 years	9.7	10.1	8.5	8.8	17.5	20.2	10.3	8.1
25 years and over	4.6	4.8	4.0	4.3	9.8	9.5	5.7	6.6
25 to 54 years	4.8	5.0	4.2	4.4	10.2	10.1	5.8	6.6
55 years and over	3.6	4.1	3.3	3.9	7.1	5.6	5.2	6.6
Women, 16 years and over	5.2	5.3	4.4	4.6	11.2	10.2	8.5	8.5
16 to 19 years	13.1	13.8	10.7	12.6	32.9	25.2	15.1	19.1
16 to 17 years	15.5	16.5	13.2	16.0	35.3	24.6	18.9	28.0
18 to 19 years	11.6	12.2	9.1	10.5	31.4	25.5	13.3	14.7
20 to 24 years	8.5	8.0	6.9	6.6	18.1	17.0	13.4	11.6
25 years and over	4.1	4.3	3.5	3.7	8.7	8.1	7.1	7.0
25 to 54 years	4.4	4.5	3.7	3.8	9.2	8.7	7.2	7.3
55 years and over	2.8	3.2	2.5	3.1	4.9	4.2	5.4	4.3

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	| 1989	| 1990	| 1989	| 1990	| 1989	| 1990	| 1989	| 1990
DURATION								
Total, 16 years and over	6,857	7,029	5,063	5,310	1,567	1,488	709	745
Less than 5 weeks	3,113	3,124	2,312	2,418	691	612	369	377
5 to 14 weeks	2,220	2,379	1,679	1,772	477	518	212	232
15 weeks and over	1,524	1,525	1,073	1,119	399	358	129	136
15 to 26 weeks	812	854	587	642	195	181	80	74
27 weeks and over	712	671	485	478	204	177	48	62
Average (mean) duration, in weeks	12.5	12.0	11.9	11.6	14.3	13.6	10.5	10.6
Median duration, in weeks	6.0	5.7	5.9	5.5	6.6	6.4	4.8	4.4
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	45.4	44.5	45.7	45.5	44.1	41.1	52.0	50.6
5 to 14 weeks	32.4	33.9	33.2	33.4	30.5	34.8	29.9	31.2
15 weeks and over	22.2	21.7	21.2	21.1	25.4	24.1	18.1	18.3
15 to 26 weeks	11.8	12.2	11.6	12.1	12.4	12.2	11.3	9.9
27 weeks and over	10.4	9.5	9.6	9.0	13.0	11.9	6.8	8.3

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

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

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	| 1989	| 1990	| 1989	| 1990	| 1989	| 1990	| 1989	| 1990
NUMBER OF UNEMPLOYED								
Total, 16 years and over	6,857	7,029	5,063	5,310	1,567	1,488	709	745
Job losers	3,420	3,614	2,598	2,812	724	700	370	389
On layoff	1,083	1,330	911	1,138	156	162	75	99
Other job losers	2,337	2,284	1,687	1,674	568	538	295	291
Job leavers	974	1,033	763	792	172	195	94	103
Reentrants	1,795	1,802	1,267	1,323	461	419	154	164
New entrants	667	579	437	383	209	174	91	89
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.9	51.4	51.3	53.0	46.2	47.0	52.2	52.3
On layoff	15.8	18.9	18.0	21.4	10.0	10.9	10.6	13.3
Other job losers	34.1	32.5	33.3	31.5	36.3	36.1	41.7	39.0
Job leavers	14.2	14.7	15.1	14.9	11.0	13.1	13.3	13.8
Reentrants	26.2	25.6	25.0	24.9	29.4	28.1	21.7	22.0
New entrants	9.7	8.2	8.6	7.2	13.3	11.7	12.8	11.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.8	2.9	2.5	2.6	5.5	5.2	4.1	4.2
Job leavers .....	.8	.8	.7	.7	1.3	1.5	1.0	1.1
Reentrants	1.5	1.5	1.2	1.2	3.5	3.1	1.7	1.7
New entrants .....	.5	.5	.4	.4	1.6	1.3	1.0	.9

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	1989	1990	Total		Employed		Unemployed			
			1989	1990	1989	1990	Number		Percent of labor force	
							1989	1990	1989	1990
VIETNAM-ERA VETERANS										
Total, 35 years and over	7,351	7,573	6,716	6,904	6,451	6,606	265	298	3.9	4.3
35 to 49 years	6,417	6,514	6,100	6,176	5,849	5,904	251	272	4.1	4.4
35 to 39 years	1,905	1,528	1,816	1,448	1,719	1,374	97	74	5.3	5.1
40 to 44 years	3,195	3,324	3,038	3,176	2,932	3,044	106	133	3.5	4.2
45 to 49 years	1,317	1,662	1,246	1,551	1,198	1,486	48	65	3.8	4.2
50 years and over	934	1,059	616	728	603	702	14	26	2.3	3.6
NONVETERANS										
Total, 35 to 49 years	15,858	16,869	14,816	15,800	14,167	15,135	648	665	4.4	4.2
35 to 39 years	7,203	7,727	6,803	7,335	6,498	7,037	305	298	4.5	4.1
40 to 44 years	4,619	4,959	4,318	4,613	4,125	4,415	193	198	4.5	4.3
45 to 49 years	4,036	4,183	3,695	3,852	3,544	3,683	151	168	4.1	4.4

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 35 to 49 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Data for

30-to 34-year-old veterans are no longer shown in this table because the group is rapidly disappearing (into the 35-39 age category) and the numbers remaining for some labor force categories are not large enough to warrant their continued publication.

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

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Total, 35 to 49 years												
Civilian noninstitutional population	5,778	5,867	535	547	242	257	13,513	14,360	1,626	1,740	1,453	1,547
Civilian labor force	5,518	5,589	484	492	221	238	12,761	13,596	1,409	1,510	1,342	1,402
Employed	5,312	5,371	447	446	210	229	12,261	13,086	1,295	1,386	1,251	1,308
Unemployed	206	219	38	47	11	9	499	510	113	125	91	93
Unemployment rate	3.7	3.9	7.9	9.5	5.0	3.7	3.9	3.8	8.0	8.3	6.8	6.7
35 to 39 years												
Civilian noninstitutional population	1,711	1,324	160	181	80	59	6,145	6,673	728	734	604	675
Civilian labor force	1,638	1,268	146	160	69	55	5,853	6,405	655	648	575	628
Employed	1,561	1,216	129	141	64	53	5,635	6,172	585	595	552	585
Unemployed	77	52	17	19	5	2	218	233	70	53	23	43
Unemployment rate	4.7	4.1	11.4	11.9	7.3	(¹)	3.7	3.6	10.6	8.2	4.0	6.8
40 to 44 years												
Civilian noninstitutional population	2,871	3,037	279	237	113	143	3,967	4,185	449	546	428	440
Civilian labor force	2,744	2,915	249	213	105	135	3,758	3,933	375	470	402	392
Employed	2,656	2,801	234	194	101	129	3,602	3,787	345	426	364	370
Unemployed	88	114	15	18	4	6	155	146	30	44	37	22
Unemployment rate	3.2	3.9	6.0	8.5	3.8	4.3	4.1	3.7	8.0	9.4	9.3	5.7
45 to 49 years												
Civilian noninstitutional population	1,196	1,506	97	129	49	55	3,402	3,502	449	460	421	432
Civilian labor force	1,136	1,407	88	120	47	49	3,150	3,257	379	393	365	382
Employed	1,095	1,354	83	110	45	47	3,024	3,126	365	365	334	353
Unemployed	41	53	6	10	2	1	126	131	13	28	31	28
Unemployment rate	3.6	3.8	6.6	8.0	(¹)	(¹)	4.0	4.0	3.5	7.0	8.5	7.4

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

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 35 to 49 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Data for 30-to 34-year-old veterans are no longer shown in this table because the group is

rapidly disappearing (into the 35-39 age category) and the numbers remaining for some labor force categories are not large enough to warrant their continued publication. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Type of family, race, and Hispanic origin	I 1989					I 1990				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	64,899	5,067	29.3	70.7	61.4	65,279	5,092	28.9	71.1	63.5
With children under 18 years of age	31,466	2,856	32.4	67.6	58.7	31,738	2,822	32.8	67.2	59.8
Married-couple families	51,023	3,440	19.3	80.7	71.0	51,413	3,526	19.2	80.8	72.9
With children under 18 years of age	23,856	1,991	18.5	81.5	71.8	24,012	2,001	19.0	81.0	72.9
Families maintained by women	10,992	1,286	52.2	47.8	39.6	10,984	1,227	53.5	46.5	38.9
With children under 18 years of age	6,522	748	65.6	34.4	27.6	6,594	711	67.2	32.8	26.7
Families maintained by men	2,883	341	43.7	56.3	47.2	2,883	338	40.5	59.5	55.6
With children under 18 years of age	1,088	117	56.4	43.6	35.0	1,132	110	62.7	37.3	34.5
White										
Total families	55,693	3,806	25.4	74.6	65.1	55,889	3,885	25.8	74.2	66.3
With children under 18 years of age	26,169	2,106	27.3	72.7	63.3	26,285	2,098	28.8	71.2	62.6
Married-couple families	46,010	2,870	19.2	80.8	71.3	46,261	2,953	19.1	80.9	72.8
With children under 18 years of age	21,134	1,637	18.4	81.6	72.0	21,177	1,637	19.1	80.9	72.1
Families maintained by women	7,448	711	46.6	53.4	44.3	7,361	673	50.9	49.1	40.8
With children under 18 years of age	4,199	391	60.6	39.4	32.0	4,214	376	64.6	35.4	27.4
Families maintained by men	2,235	225	36.9	63.1	52.9	2,267	259	37.8	62.2	59.1
With children under 18 years of age	836	78	47.4	52.6	41.0	894	84	59.5	40.5	38.1
Black										
Total families	7,289	1,097	42.9	57.1	48.5	7,366	1,038	40.9	59.1	52.4
With children under 18 years of age	4,158	649	48.8	51.2	43.9	4,241	624	48.2	51.8	47.8
Married-couple families	3,508	443	18.9	81.1	70.3	3,574	445	20.4	79.6	73.0
With children under 18 years of age	1,794	271	17.6	82.4	73.2	1,847	281	19.9	80.1	75.4
Families maintained by women	3,247	550	59.5	40.5	33.3	3,301	530	56.6	43.4	36.2
With children under 18 years of age	2,135	340	70.9	29.1	22.9	2,193	321	71.0	29.0	25.2
Families maintained by men	534	103	58.3	41.7	35.0	491	63	54.7	45.3	40.6
With children under 18 years of age	230	37	(¹)	(¹)	(¹)	201	23	(¹)	(¹)	(¹)
Hispanic origin										
Total families	4,718	514	28.6	71.4	61.3	4,839	550	31.5	68.5	61.8
With children under 18 years of age	2,990	340	30.4	69.6	60.2	2,986	353	36.0	64.0	56.7
Married-couple families	3,221	350	23.4	76.6	68.0	3,357	370	23.0	77.0	70.0
With children under 18 years of age	2,092	251	22.3	77.7	67.3	2,125	256	24.2	75.8	68.4
Families maintained by women	1,141	131	42.7	57.3	42.7	1,132	126	59.5	40.5	31.7
With children under 18 years of age	785	79	54.4	45.6	38.0	745	83	72.0	28.0	20.7
Families maintained by men	356	33	(¹)	(¹)	(¹)	350	54	(¹)	(¹)	(¹)
With children under 18 years of age	113	10	(¹)	(¹)	(¹)	117	14	(¹)	(¹)	(¹)

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1989				1990			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed in families ¹	5,526	31.0	69.0	59.6	5,650	30.1	69.9	62.3
Husbands	1,369	35.4	64.6	49.7	1,465	33.9	66.1	52.0
With children under 18 years of age	841	39.3	60.7	44.3	884	38.6	61.4	46.4
Wives	1,018	16.5	83.5	76.2	1,101	17.0	83.0	79.5
With children under 18 years of age	630	14.1	85.9	79.7	681	15.0	85.0	81.8
Relatives in married-couple families	1,337	10.9	89.1	83.1	1,326	9.9	90.1	86.0
Women who maintain families	559	82.8	17.2	11.7	542	85.6	14.4	8.9
With children under 18 years of age	448	93.3	6.7	3.1	451	91.4	8.6	4.0
Relatives in families maintained by women	868	32.3	67.7	56.8	839	31.1	68.9	58.9
Men who maintain families	165	67.0	33.0	19.2	143	67.9	32.1	27.5
With children under 18 years of age	72	82.4	17.6	5.2	72	89.9	10.1	6.1
Relatives in families maintained by men	210	29.3	70.7	65.0	234	27.7	72.3	69.3
White								
Total unemployed in families ¹	4,078	27.4	72.6	62.9	4,262	27.3	72.7	65.1
Husbands	1,155	35.9	64.1	49.1	1,231	34.2	65.8	50.7
With children under 18 years of age	687	40.0	60.0	42.9	718	39.3	60.7	44.0
Wives	841	16.1	83.9	76.9	917	16.6	83.4	79.7
With children under 18 years of age	511	13.4	86.6	80.2	553	13.6	86.4	82.9
Relatives in married-couple families	1,082	10.4	89.6	83.8	1,083	8.6	91.4	88.1
Women who maintain families	297	79.0	21.0	14.1	279	81.7	18.3	11.0
With children under 18 years of age	228	91.2	8.8	3.7	227	89.4	10.6	3.6
Relatives in families maintained by women	458	26.6	73.4	61.7	461	33.2	66.8	58.2
Men who maintain families	108	60.6	39.4	22.3	105	64.6	35.4	30.9
With children under 18 years of age	44	(²)	(²)	(²)	53	(²)	(²)	(²)
Relatives in families maintained by men	137	24.7	75.3	69.0	185	25.8	74.2	72.0
Black								
Total unemployed in families ¹	1,269	42.6	57.4	48.9	1,200	40.6	59.4	52.0
Husbands	162	31.8	68.2	53.2	175	33.6	66.4	57.4
With children under 18 years of age	113	32.8	67.2	52.1	133	36.4	63.6	55.7
Wives	141	17.8	82.2	71.8	138	19.5	80.5	77.3
With children under 18 years of age	94	15.1	84.9	79.5	99	23.5	76.5	75.2
Relatives in married-couple families	207	13.2	86.8	81.0	201	16.1	83.9	77.5
Women who maintain families	249	86.9	13.1	9.3	254	89.4	10.6	6.9
With children under 18 years of age	209	95.3	4.7	2.4	217	93.3	6.7	4.6
Relatives in families maintained by women	395	38.9	61.1	50.8	361	28.3	71.7	59.7
Men who maintain families	51	(²)	(²)	(²)	30	(²)	(²)	(²)
With children under 18 years of age	26	(²)	(²)	(²)	17	(²)	(²)	(²)
Relatives in families maintained by men	63	39.3	60.7	56.1	40	(²)	(²)	(²)
Hispanic origin								
Total unemployed in families ¹	583	30.2	69.8	59.1	619	32.6	67.4	60.6
Husbands	132	46.2	53.8	40.7	147	46.0	54.0	41.3
With children under 18 years of age	105	48.6	51.4	36.2	112	51.5	48.5	35.5
Wives	121	19.2	80.8	71.2	125	16.4	83.6	80.3
With children under 18 years of age	88	16.3	83.7	74.1	91	13.4	86.6	83.4
Relatives in married-couple families	147	13.7	86.3	81.9	147	9.8	90.2	84.8
Women who maintain families	58	72.3	27.7	17.6	61	88.3	11.7	6.3
With children under 18 years of age	48	78.5	21.5	11.2	54	(²)	(²)	(²)
Relatives in families maintained by women	88	19.8	80.2	58.6	77	38.4	61.6	51.1
Men who maintain families	13	(²)	(²)	(²)	22	(²)	(²)	(²)
With children under 18 years of age	6	(²)	(²)	(²)	6	(²)	(²)	(²)
Relatives in families maintained by men	24	(²)	(²)	(²)	40	(²)	(²)	(²)

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

used in aggregating the data.

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1989				1990			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed in families ¹	92,606	22.6	77.4	65.7	93,286	22.6	77.4	66.7
Husbands	38,461	28.9	71.1	52.1	38,596	28.4	71.6	53.8
With children under 18 years of age	21,948	30.8	69.2	46.9	22,052	30.6	69.4	48.3
Wives	28,397	9.1	90.9	85.8	28,822	9.2	90.8	86.6
With children under 18 years of age	15,165	5.2	94.8	91.0	15,420	5.5	94.5	91.7
Relatives in married-couple families	11,080	7.0	93.0	88.9	11,146	7.5	92.5	88.7
Women who maintain families	6,283	63.6	36.4	23.6	6,313	65.0	35.0	23.4
With children under 18 years of age	4,027	80.2	19.8	8.7	4,115	81.8	18.2	8.8
Relatives in families maintained by women	4,689	23.7	76.3	65.9	4,751	23.9	76.1	67.3
Men who maintain families	2,059	52.3	47.7	35.7	2,078	55.5	44.5	35.2
With children under 18 years of age	903	79.0	21.0	11.5	954	83.2	16.8	8.6
Relatives in families maintained by men	1,637	17.6	82.4	76.0	1,580	17.6	82.4	77.8
White								
Total employed in families ¹	80,604	21.9	78.1	65.9	81,071	21.9	78.1	67.0
Husbands	34,758	29.3	70.7	50.9	34,798	28.7	71.3	52.6
With children under 18 years of age	19,622	31.5	68.5	45.2	19,612	31.3	68.7	46.3
Wives	25,319	8.6	91.4	86.2	25,671	8.8	91.2	87.0
With children under 18 years of age	13,333	4.6	95.4	91.4	13,488	5.0	95.0	92.2
Relatives in married-couple families	9,753	6.9	93.1	89.0	9,819	7.5	92.5	88.9
Women who maintain families	4,441	61.1	38.9	24.5	4,396	62.7	37.3	24.4
With children under 18 years of age	2,786	78.7	21.3	8.6	2,826	80.9	19.1	8.6
Relatives in families maintained by women	3,422	24.0	76.0	65.7	3,402	25.0	75.0	65.6
Men who maintain families	1,630	51.4	48.6	35.6	1,693	54.1	45.9	35.9
With children under 18 years of age	711	77.4	22.6	12.5	774	82.0	18.0	8.3
Relatives in families maintained by men	1,282	17.4	82.6	76.6	1,292	16.3	83.7	79.1
Black								
Total employed in families ¹	8,980	29.6	70.4	61.8	9,030	30.5	69.5	62.5
Husbands	2,532	23.8	76.2	64.2	2,553	23.9	76.1	67.1
With children under 18 years of age	1,537	23.0	77.0	64.3	1,574	22.3	77.7	68.7
Wives	2,111	13.4	86.6	81.8	2,164	14.6	85.4	81.1
With children under 18 years of age	1,228	9.8	90.2	86.5	1,302	10.7	89.3	86.1
Relatives in married-couple families	890	7.7	92.3	87.0	883	8.6	91.4	86.3
Women who maintain families	1,686	70.0	30.0	21.1	1,741	71.3	28.7	20.2
With children under 18 years of age	1,145	83.5	16.5	9.0	1,191	83.6	16.4	9.0
Relatives in families maintained by women	1,146	23.4	76.6	66.2	1,201	21.4	78.6	71.0
Men who maintain families	354	58.2	41.8	33.7	300	66.6	33.4	27.5
With children under 18 years of age	177	84.7	15.3	7.8	149	89.1	10.9	9.4
Relatives in families maintained by men	260	20.1	79.9	71.3	189	28.7	71.3	67.9
Hispanic origin								
Total employed in families ¹	6,745	25.9	74.1	64.2	6,931	25.4	74.6	67.3
Husbands	2,630	37.5	62.5	47.3	2,647	35.8	64.2	52.9
With children under 18 years of age	1,889	39.9	60.1	44.0	1,881	38.3	61.7	49.5
Wives	1,666	8.1	91.9	86.5	1,716	10.1	89.9	86.2
With children under 18 years of age	1,126	5.4	94.6	89.0	1,131	7.3	92.7	89.2
Relatives in married-couple families	823	5.9	94.1	88.0	1,012	7.5	92.5	88.7
Women who maintain families	582	62.1	37.9	30.1	530	59.0	41.0	32.0
With children under 18 years of age	392	75.5	24.5	17.7	329	75.6	24.4	16.7
Relatives in families maintained by women	488	16.2	83.8	74.3	463	21.2	78.8	69.7
Men who maintain families	285	38.7	61.3	53.7	285	43.3	56.7	53.4
With children under 18 years of age	94	69.8	30.2	24.7	103	77.4	22.6	19.5
Relatives in families maintained by men	272	9.2	90.8	85.7	277	9.3	90.7	88.4

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

used in aggregating the data.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Type of family, number of earners, race, and Hispanic origin	Number of families		Median weekly earnings	
	1989	1990	1989	1990
TOTAL				
Total families with earners ¹	43,317	43,657	\$605	\$644
Married-couple families	33,877	34,060	678	723
One earner	12,419	12,264	420	453
Husband	9,283	9,165	494	525
Wife	2,443	2,392	265	267
Other family member	693	707	225	269
Two or more earners	21,458	21,796	824	873
Husband and wife	19,043	19,348	842	889
Husband and other family member(s)	1,699	1,728	768	816
Wife and other family member(s)	560	533	499	596
Other family members only	156	187	589	593
Families maintained by women	7,362	7,512	344	358
One earner	5,016	5,103	272	284
Householder	3,969	4,051	278	292
Other family member	1,046	1,052	242	254
Two or more earners	2,347	2,408	567	614
Families maintained by men	2,078	2,085	482	512
One earner	1,207	1,276	347	380
Two or more earners	870	809	672	769
White				
Total families with earners ¹	36,968	37,060	626	672
Married-couple families	30,167	30,201	687	736
One earner	11,111	10,943	436	474
Husband	8,434	8,326	503	547
Wife	2,088	2,004	270	273
Two or more earners	19,056	19,257	831	883
Husband and wife	16,933	17,092	847	898
Families maintained by women	5,200	5,202	355	385
Families maintained by men	1,601	1,658	490	527
Black				
Total families with earners ¹	5,027	5,161	438	439
Married-couple families	2,624	2,721	572	590
One earner	890	938	297	303
Husband	560	552	347	340
Wife	280	311	223	238
Two or more earners	1,734	1,782	740	764
Husband and wife	1,526	1,600	771	784
Families maintained by women	2,011	2,099	308	308
Families maintained by men	392	341	454	419
Hispanic origin				
Total families with earners ¹	3,485	3,584	456	490
Married-couple families	2,548	2,595	489	544
One earner	1,029	1,117	303	321
Husband	872	867	320	353
Wife	104	165	218	247
Two or more earners	1,519	1,478	641	700
Husband and wife	1,210	1,173	666	706
Families maintained by women	674	700	338	321
Families maintained by men	262	289	427	452

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Type of family and relationship of unemployed members to wage and salary earners	Number of families		Median weekly earnings	
	1 1989	1 1990	1 1989	1 1990
Married-couple families ¹	2,449	2,491	\$429	\$462
Husband unemployed	869	880	294	297
Wife only earner	664	656	263	271
Wife and other earner(s)	150	148	480	486
Other earner(s) only	55	76	(²)	(²)
Wife unemployed	722	849	434	467
Husband only earner	616	686	415	440
Husband and other earner(s)	85	143	(²)	655
Other earner(s) only	21	20	(²)	(²)
Other member(s) unemployed	857	763	674	739
Husband or wife earner	347	281	484	529
Both husband and wife earners	469	463	864	862
Other combinations of earners	41	18	(²)	(²)
Families maintained by women ¹	573	608	296	293
Householder unemployed	106	74	288	(²)
Other member(s) unemployed	467	533	298	309
Families maintained by men ¹	175	192	381	332

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

in the Armed Forces.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	I 1989	I 1990	I 1989	I 1990
SEX AND AGE				
Total, 16 years and over	82,276	83,804	\$397	\$415
Men, 16 years and over	47,524	48,175	468	488
16 to 24 years	6,023	5,808	273	284
25 years and over	41,501	42,368	497	516
Women, 16 years and over	34,752	35,628	326	346
16 to 24 years	4,767	4,775	250	257
25 years and over	29,986	30,853	346	366
FAMILY RELATIONSHIP				
Husbands	31,018	31,509	510	532
Wives	17,943	18,323	339	359
Women who maintain families	5,030	5,142	321	337
Men who maintain families	1,668	1,639	422	421
Other persons in families:				
Men	5,837	5,937	287	300
Women	4,299	4,273	257	273
All other men ¹	8,987	9,090	427	451
All other women ¹	7,494	7,889	362	377
RACE, HISPANIC ORIGIN, AND SEX				
White	70,176	71,508	407	429
Men	41,246	41,891	481	501
Women	28,930	29,617	332	354
Black	9,482	9,544	318	331
Men	4,886	4,805	354	364
Women	4,596	4,740	293	309
Hispanic origin	6,587	6,772	297	313
Men	4,167	4,301	312	328
Women	2,420	2,471	269	283

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY DATA**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	1989	1990	1989	1990
SEX AND AGE				
Total, 16 years and over	19,375	19,089	\$108	\$115
Men, 16 years and over	6,007	5,939	101	106
16 to 24 years	3,339	3,327	84	88
25 years and over	2,668	2,612	125	142
Women, 16 years and over	13,368	13,151	112	119
16 to 24 years	4,150	3,898	76	87
25 years and over	9,218	9,253	134	141
FAMILY RELATIONSHIP				
Husbands	1,584	1,589	125	148
Wives	7,041	6,886	137	145
Women who maintain families	1,027	1,043	117	134
Men who maintain families	125	116	121	137
Other persons in families:				
Men	3,236	3,218	82	87
Women	3,488	3,450	71	86
All other men ¹	1,062	1,016	124	129
All other women ¹	1,812	1,771	117	117
RACE, HISPANIC ORIGIN, AND SEX				
White	17,067	16,680	109	116
Men	5,190	5,095	101	105
Women	11,877	11,586	114	121
Black	1,786	1,810	101	109
Men	584	612	101	112
Women	1,202	1,198	100	107
Hispanic origin	1,164	1,140	119	120
Men	437	391	116	115
Women	726	749	121	123

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Occupation and sex	Number of workers (in thousands)		Median weekly earnings	
	1989	1990	1989	1990
TOTAL				
Managerial and professional specialty	22,386	23,089	\$575	\$603
Executive, administrative, and managerial	11,005	11,184	564	598
Professional specialty	11,381	11,904	581	606
Technical, sales, and administrative support	24,289	25,711	356	373
Technicians and related support	2,975	3,172	480	489
Sales occupations	7,513	8,261	389	400
Administrative support, including clerical	13,801	14,278	327	343
Service occupations	8,491	8,580	250	270
Private household	344	292	182	186
Protective service	1,562	1,707	446	470
Service, except private household and protective	6,585	6,581	231	248
Precision production, craft, and repair	11,145	11,030	447	471
Mechanics and repairers	3,925	3,842	450	479
Construction trades	3,421	3,580	444	466
Other precision production, craft, and repair	3,799	3,608	448	464
Operators, fabricators, and laborers	14,777	14,251	319	341
Machine operators, assemblers, and inspectors	7,470	7,140	305	329
Transportation and material moving occupations	3,838	3,739	397	410
Handlers, equipment cleaners, helpers, and laborers	3,469	3,372	280	302
Farming, forestry, and fishing	1,189	1,143	240	253
Men				
Managerial and professional specialty	12,125	12,588	675	726
Executive, administrative, and managerial	6,324	6,534	670	743
Professional specialty	5,801	6,054	678	712
Technical, sales, and administrative support	9,109	9,472	482	496
Technicians and related support	1,645	1,729	543	563
Sales occupations	4,467	4,701	484	506
Administrative support, including clerical	2,996	3,041	435	432
Service occupations	4,086	4,229	305	323
Private household	11	0	(¹)	(¹)
Protective service	1,389	1,518	458	481
Service, except private household and protective	2,686	2,712	266	270
Precision production, craft, and repair	10,142	10,109	467	486
Mechanics and repairers	3,777	3,693	452	480
Construction trades	3,369	3,524	448	468
Other precision production, craft, and repair	2,997	2,892	494	511
Operators, fabricators, and laborers	11,025	10,758	361	382
Machine operators, assemblers, and inspectors	4,525	4,449	369	396
Transportation and material moving occupations	3,584	3,502	403	416
Handlers, equipment cleaners, helpers, and laborers	2,915	2,807	294	314
Farming, forestry, and fishing	1,037	1,020	249	261
Women				
Managerial and professional specialty	10,261	10,501	487	506
Executive, administrative, and managerial	4,681	4,651	456	467
Professional specialty	5,580	5,851	505	533
Technical, sales, and administrative support	15,180	16,239	314	326
Technicians and related support	1,330	1,443	394	419
Sales occupations	3,046	3,560	281	287
Administrative support, including clerical	10,804	11,236	313	326
Service occupations	4,405	4,350	213	232
Private household	334	292	179	186
Protective service	172	189	386	388
Service, except private household and protective	3,899	3,870	214	233
Precision production, craft, and repair	1,003	921	302	310
Mechanics and repairers	149	149	366	429
Construction trades	52	56	(¹)	(¹)
Other precision production, craft, and repair	802	716	293	295
Operators, fabricators, and laborers	3,752	3,493	241	261
Machine operators, assemblers, and inspectors	2,944	2,691	240	260
Transportation and material moving occupations	253	238	317	318
Handlers, equipment cleaners, helpers, and laborers	554	565	217	236
Farming, forestry, and fishing	152	124	203	206

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	Total United States		Metropolitan areas					
	1989	1990	Total		Central cities		Suburbs	
			1989	1990	1989	1990	1989	1990
TOTAL								
Civilian noninstitutional population	185,773	187,411	144,861	145,751	57,294	57,349	87,568	88,402
Civilian labor force	122,074	123,508	96,633	97,615	36,961	36,891	59,672	60,724
Percent of population	65.7	65.9	66.7	67.0	64.5	64.3	68.1	68.7
Employed	115,218	116,479	91,411	92,283	34,412	34,401	56,999	57,882
Unemployed	6,857	7,029	5,223	5,332	2,550	2,490	2,673	2,842
Unemployment rate	5.6	5.7	5.4	5.5	6.9	6.8	4.5	4.7
Not in labor force	63,698	63,903	48,228	48,136	20,332	20,458	27,896	27,678
Men, 20 years and over								
Civilian noninstitutional population	81,251	82,264	63,329	64,027	24,593	24,691	38,737	39,336
Civilian labor force	63,056	63,782	49,804	50,372	18,663	18,745	31,141	31,627
Percent of population	77.6	77.5	78.6	78.7	75.9	75.9	80.4	80.4
Employed	59,771	60,327	47,331	47,772	17,464	17,544	29,868	30,228
Unemployed	3,285	3,455	2,472	2,601	1,199	1,201	1,273	1,399
Unemployment rate	5.2	5.4	5.0	5.2	6.4	6.4	4.1	4.4
Not in labor force	18,195	18,483	13,526	13,655	5,930	5,946	7,596	7,708
Women, 20 years and over								
Civilian noninstitutional population	90,155	91,162	70,332	70,977	28,508	28,584	41,824	42,393
Civilian labor force	51,776	52,662	41,125	41,820	16,285	16,284	24,841	25,536
Percent of population	57.4	57.8	58.5	58.9	57.1	57.0	59.4	60.2
Employed	49,343	50,166	39,252	39,902	15,319	15,353	23,933	24,549
Unemployed	2,433	2,497	1,873	1,918	966	931	907	987
Unemployment rate	4.7	4.7	4.6	4.6	5.9	5.7	3.7	3.9
Not in labor force	38,379	38,499	29,206	29,157	12,223	12,300	16,983	16,857
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,367	13,985	11,200	10,747	4,193	4,074	7,007	6,673
Civilian labor force	7,243	7,064	5,704	5,422	2,014	1,862	3,690	3,561
Percent of population	50.4	50.5	50.9	50.5	48.0	45.7	52.7	53.4
Employed	6,104	5,986	4,827	4,609	1,629	1,504	3,198	3,105
Unemployed	1,139	1,077	877	814	385	358	492	455
Unemployment rate	15.7	15.3	15.4	15.0	19.1	19.2	13.3	12.8
Not in labor force	7,124	6,922	5,495	5,324	2,179	2,212	3,317	3,112
White								
Civilian noninstitutional population	158,944	160,007	122,342	122,593	42,987	42,559	79,356	80,033
Civilian labor force	104,959	106,104	82,007	82,673	28,105	27,887	53,902	54,785
Percent of population	66.0	66.3	67.0	67.4	65.4	65.5	67.9	68.5
Employed	99,896	100,794	78,253	78,778	26,593	26,414	51,659	52,364
Unemployed	5,063	5,310	3,754	3,895	1,512	1,473	2,242	2,421
Unemployment rate	4.8	5.0	4.6	4.7	5.4	5.3	4.2	4.4
Not in labor force	53,985	53,903	40,336	39,920	14,882	14,672	25,454	25,248
Black								
Civilian noninstitutional population	20,904	21,187	17,361	17,694	11,824	11,994	5,537	5,700
Civilian labor force	13,274	13,346	11,211	11,334	7,255	7,268	3,956	4,066
Percent of population	63.5	63.0	64.6	64.1	61.4	60.6	71.5	71.3
Employed	11,707	11,858	9,918	10,077	6,312	6,360	3,606	3,717
Unemployed	1,567	1,488	1,293	1,257	942	908	350	349
Unemployment rate	11.8	11.2	11.5	11.1	13.0	12.5	8.9	8.6
Not in labor force	7,630	7,842	6,150	6,360	4,570	4,726	1,581	1,633
Hispanic origin								
Civilian noninstitutional population	13,606	14,119	12,557	13,119	7,286	7,292	5,272	5,827
Civilian labor force	9,116	9,378	8,411	8,688	4,757	4,609	3,654	4,079
Percent of population	67.0	66.4	67.0	66.2	65.3	63.2	69.3	70.0
Employed	8,407	8,633	7,770	8,002	4,373	4,197	3,397	3,806
Unemployed	709	745	641	686	384	413	257	273
Unemployment rate	7.8	7.9	7.6	7.9	8.1	9.0	7.0	6.7
Not in labor force	4,490	4,741	4,146	4,431	2,528	2,682	1,618	1,748

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	Nonmetropolitan areas						Urban areas		Rural areas	
	Total		Farm		Nonfarm		1989	1990	1989	1990
	1989	1990	1989	1990	1989	1990				
TOTAL										
Civilian noninstitutional population	40,912	41,660	2,675	2,736	38,236	38,924	136,249	136,949	49,524	50,463
Civilian labor force	25,441	25,893	1,837	1,904	23,604	23,989	89,858	90,691	32,216	32,818
Percent of population	62.2	62.2	68.7	69.6	61.7	61.6	66.0	66.2	65.1	65.0
Employed	23,807	24,196	1,800	1,851	22,007	22,346	84,745	85,511	30,472	30,969
Unemployed	1,634	1,697	37	53	1,597	1,644	5,113	5,180	1,744	1,849
Unemployment rate	6.4	6.6	2.0	2.8	6.8	6.9	5.7	5.7	5.4	5.6
Not in labor force	15,470	15,767	838	833	14,632	14,935	46,391	46,258	17,307	17,645
Men, 20 years and over										
Civilian noninstitutional population	17,908	18,237	1,294	1,310	16,614	16,928	59,055	59,517	22,183	22,747
Civilian labor force	13,242	13,410	1,084	1,094	12,158	12,315	45,930	46,333	17,115	17,449
Percent of population	73.9	73.5	83.7	83.6	73.2	72.8	77.8	77.8	77.2	76.7
Employed	12,430	12,556	1,066	1,075	11,364	11,481	43,525	43,803	16,236	16,525
Unemployed	812	854	18	20	794	834	2,405	2,530	880	925
Unemployment rate	6.1	6.4	1.7	1.8	6.5	6.8	5.2	5.5	5.1	5.3
Not in labor force	4,666	4,828	210	215	4,456	4,613	13,124	13,184	5,068	5,298
Women, 20 years and over										
Civilian noninstitutional population	19,836	20,184	1,176	1,197	18,660	18,988	66,910	67,422	23,258	23,740
Civilian labor force	10,660	10,842	649	690	10,012	10,153	38,722	39,326	13,064	13,336
Percent of population	53.7	53.7	55.2	57.6	53.7	53.5	57.9	58.3	56.2	56.2
Employed	10,101	10,263	639	669	9,461	9,594	36,862	37,455	12,491	12,711
Unemployed	560	579	9	20	551	559	1,860	1,871	573	625
Unemployment rate	5.3	5.3	1.4	3.0	5.5	5.5	4.8	4.8	4.4	4.7
Not in labor force	9,176	9,342	527	507	8,648	8,835	28,188	28,096	10,194	10,404
Both sexes, 16 to 19 years										
Civilian noninstitutional population	3,167	3,239	205	230	2,962	3,008	10,284	10,010	4,083	3,976
Civilian labor force	1,539	1,641	104	120	1,434	1,521	5,205	5,031	2,037	2,032
Percent of population	48.6	50.7	51.0	52.1	48.4	50.6	50.6	50.3	49.9	51.1
Employed	1,277	1,377	95	107	1,182	1,270	4,358	4,253	1,746	1,733
Unemployed	262	264	10	13	252	251	848	779	291	299
Unemployment rate	17.0	16.1	9.2	10.9	17.6	16.5	16.3	15.5	14.3	14.7
Not in labor force	1,629	1,597	100	110	1,528	1,487	5,078	4,978	2,046	1,943
White										
Civilian noninstitutional population	36,602	37,414	2,629	2,680	33,973	34,734	113,208	113,273	45,736	46,734
Civilian labor force	22,953	23,431	1,810	1,873	21,143	21,557	75,032	75,551	29,927	30,553
Percent of population	62.7	62.6	68.8	69.9	62.2	62.1	66.3	66.7	65.4	65.4
Employed	21,643	22,016	1,774	1,823	19,869	20,193	71,469	71,887	28,427	28,906
Unemployed	1,309	1,415	36	51	1,273	1,364	3,563	3,663	1,500	1,647
Unemployment rate	5.7	6.0	2.0	2.7	6.0	6.3	4.7	4.8	5.0	5.4
Not in labor force	13,649	13,984	819	806	12,830	13,177	38,176	37,722	15,809	16,181
Black										
Civilian noninstitutional population	3,543	3,493	32	38	3,511	3,455	17,879	18,218	3,025	2,969
Civilian labor force	2,063	2,011	20	19	2,043	1,992	11,434	11,575	1,839	1,770
Percent of population	58.2	57.6	(¹)	(¹)	58.2	57.7	64.0	63.5	60.8	59.6
Employed	1,789	1,781	19	17	1,770	1,763	10,062	10,242	1,645	1,616
Unemployed	274	231	1	2	273	228	1,372	1,334	195	154
Unemployment rate	13.3	11.5	(¹)	(¹)	13.4	11.5	12.0	11.5	10.6	8.7
Not in labor force	1,480	1,482	12	19	1,468	1,463	6,445	6,643	1,185	1,199
Hispanic origin										
Civilian noninstitutional population	1,049	1,000	55	43	994	958	12,415	12,882	1,192	1,237
Civilian labor force	705	690	33	31	672	659	8,347	8,539	769	839
Percent of population	67.2	69.0	(¹)	(¹)	67.6	68.8	67.2	66.3	64.5	67.8
Employed	636	631	32	31	604	599	7,715	7,864	691	769
Unemployed	68	59	1	-	68	59	632	675	78	70
Unemployment rate	9.7	8.6	(¹)	(¹)	10.1	9.0	7.6	7.9	10.1	8.3
Not in labor force	344	310	22	11	322	299	4,067	4,343	423	398

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

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

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

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

(Numbers in thousands)

Employment status, race, and Hispanic origin	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
TOTAL												
Civilian noninstitutional population	27,573	27,075	158,200	160,336	18,232	17,592	126,629	128,159	9,341	9,483	31,571	32,177
Civilian labor force	15,598	15,189	106,477	108,319	10,232	9,751	86,401	87,864	5,366	5,438	20,076	20,455
Percent of population	56.6	56.1	67.3	67.6	56.1	55.4	68.2	68.6	57.4	57.3	63.6	63.6
Employed	13,965	13,681	101,253	102,798	9,078	8,675	82,332	83,608	4,886	5,007	18,921	19,190
Unemployed	1,633	1,507	5,224	5,521	1,154	1,076	4,069	4,256	479	431	1,155	1,266
Unemployment rate	10.5	9.9	4.9	5.1	11.3	11.0	4.7	4.8	8.9	7.9	5.8	6.2
Men, 20 years and over	9.9	9.7	4.5	4.8	10.9	10.7	4.3	4.6	8.2	8.0	5.6	5.9
Women, 20 years and over	8.8	8.3	4.1	4.2	9.4	9.2	4.0	4.1	7.7	6.6	4.6	5.0
Both sexes, 16 to 19 years	26.3	23.6	14.1	14.0	27.1	27.5	13.9	13.5	24.6	16.8	15.0	15.9
Men	26.8	22.6	16.7	15.7	27.8	27.1	16.6	15.3	24.8	15.0	17.4	17.0
Women	25.6	24.7	11.3	12.3	26.2	27.9	11.1	11.7	24.3	18.8	12.5	14.5
Not in labor force	11,976	11,886	51,723	52,017	8,000	7,841	40,227	40,295	3,975	4,045	11,495	11,722
White												
Civilian noninstitutional population	16,633	16,342	142,311	143,665	9,803	9,191	112,540	113,402	6,830	7,151	29,772	30,264
Civilian labor force	9,678	9,496	95,281	96,607	5,669	5,306	76,337	77,367	4,009	4,190	18,944	19,240
Percent of population	58.2	58.1	67.0	67.2	57.8	57.7	67.8	68.2	58.7	58.6	63.6	63.6
Employed	8,908	8,801	90,988	91,993	5,172	4,850	73,081	73,928	3,736	3,950	17,907	18,065
Unemployed	770	696	4,293	4,614	497	456	3,257	3,439	272	240	1,037	1,175
Unemployment rate	8.0	7.3	4.5	4.8	8.8	8.6	4.3	4.4	6.8	5.7	5.5	6.1
Men, 20 years and over	7.5	7.2	4.2	4.6	8.6	8.2	3.9	4.2	6.0	5.8	5.4	5.8
Women, 20 years and over	6.8	6.0	3.7	3.9	7.4	7.1	3.5	3.6	6.0	4.5	4.3	5.0
Both sexes, 16 to 19 years	18.8	17.9	13.0	13.3	18.4	21.6	12.6	12.5	19.5	13.5	14.3	15.9
Men	20.7	16.7	15.7	14.5	18.4	21.2	15.4	13.8	24.1	11.8	16.9	16.8
Women	16.4	19.2	10.1	11.9	18.2	22.1	9.8	11.2	13.3	15.5	11.5	14.9
Not in labor force	6,955	6,845	47,030	47,058	4,133	3,885	36,202	36,035	2,821	2,960	10,828	11,023
Black												
Civilian noninstitutional population	9,834	9,663	11,070	11,524	7,625	7,601	9,736	10,093	2,210	2,062	1,333	1,432
Civilian labor force	5,346	5,136	7,928	8,209	4,129	4,037	7,082	7,297	1,217	1,099	846	912
Percent of population	54.4	53.2	71.6	71.2	54.2	53.1	72.7	72.3	55.1	53.3	63.5	63.7
Employed	4,547	4,378	7,160	7,480	3,515	3,446	6,403	6,631	1,032	932	757	848
Unemployed	799	758	768	730	614	592	678	666	185	167	89	64
Unemployment rate	14.9	14.8	9.7	8.9	14.9	14.7	9.6	9.1	15.2	15.2	10.5	7.0
Men, 20 years and over	14.9	14.9	8.4	8.4	14.9	14.8	8.3	8.5	14.8	15.2	9.2	7.8
Women, 20 years and over	11.7	12.2	8.7	7.6	11.6	11.8	8.6	7.8	12.1	13.4	9.9	5.6
Both sexes, 16 to 19 years	40.9	34.7	28.1	23.7	41.2	35.9	27.8	25.2	40.2	30.0	(¹)	(¹)
Men	39.8	34.9	29.9	28.1	43.4	36.7	30.0	30.6	(¹)	(¹)	(¹)	(¹)
Women	42.1	34.6	26.2	18.9	38.6	35.1	25.5	19.5	(¹)	(¹)	(¹)	(¹)
Not in labor force	4,489	4,527	3,142	3,315	3,495	3,564	2,655	2,795	993	963	487	519
Hispanic origin												
Civilian noninstitutional population	4,613	4,326	8,993	9,793	4,230	3,959	8,327	9,160	383	367	666	634
Civilian labor force	2,715	2,496	6,401	6,882	2,474	2,257	5,937	6,431	241	239	464	451
Percent of population	58.8	57.7	71.2	70.3	58.5	57.0	71.3	70.2	62.8	65.1	69.7	71.2
Employed	2,439	2,234	5,967	6,399	2,224	2,013	5,547	5,990	215	221	421	409
Unemployed	276	262	434	483	250	245	391	441	25	18	43	42
Unemployment rate	10.2	10.5	6.8	7.0	10.1	10.8	6.6	6.9	10.6	7.3	9.3	9.3
Men, 20 years and over	8.7	9.8	5.5	5.8	8.7	10.0	5.4	5.6	9.1	7.9	7.4	8.8
Women, 20 years and over	11.2	9.5	6.8	7.1	11.2	10.1	6.5	7.0	12.0	4.3	9.4	8.2
Both sexes, 16 to 19 years	16.2	20.7	17.9	17.3	16.1	21.2	17.3	17.3	(¹)	(¹)	(¹)	(¹)
Men	16.4	18.3	20.1	17.5	15.8	17.5	20.1	17.3	(¹)	(¹)	(¹)	(¹)
Women	15.9	23.9	14.6	17.0	16.4	26.2	13.3	17.4	(¹)	(¹)	(¹)	(¹)
Not in labor force	1,898	1,829	2,592	2,911	1,756	1,702	2,390	2,729	142	128	202	182

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

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

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

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonagricultural payrolls by major industry, 1938 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																
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 ²	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366	
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547	
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,607	4,708	
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,668	4,881	
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121	
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	1,856	5,392	
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700	
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080	
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371	
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660	
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904	
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158	
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437	
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790	
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146	
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407	
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758	
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865	
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023	
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446	
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633	
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765	
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619	
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458	
1983	90,200	74,330	23,334	952	3,948	18,434	66,866	4,954	5,268	15,613	5,468	19,694	2,734	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	99,525	82,832	24,558	777	4,816	18,965	74,967	5,255	5,753	17,930	6,283	23,053	2,899	3,893	9,901	
1987	102,200	85,190	24,708	717	4,967	19,024	77,492	5,372	5,844	18,483	6,547	24,236	2,943	3,967	10,100	
1988	105,584	88,212	25,249	721	5,125	19,403	80,335	5,548	6,029	19,110	6,676	25,600	2,971	4,063	10,339	
1989	108,581	90,854	25,634	722	5,300	19,612	82,947	5,705	6,234	19,575	6,814	26,892	2,988	4,134	10,606	
Monthly data, seasonally adjusted																
1989:																
March	107,888	90,291	25,646	714	5,252	19,680	82,242	5,666	6,197	19,488	6,774	26,520	2,982	4,102	10,513	
April	108,101	90,475	25,671	720	5,279	19,672	82,430	5,682	6,206	19,489	6,776	26,651	2,982	4,111	10,533	
May	108,310	90,623	25,672	722	5,283	19,667	82,638	5,700	6,222	19,528	6,790	26,711	2,999	4,119	10,569	
June	108,607	90,884	25,648	715	5,283	19,650	82,959	5,716	6,230	19,551	6,808	26,931	2,995	4,136	10,592	
July	108,767	91,016	25,669	706	5,314	19,649	83,098	5,736	6,237	19,586	6,815	26,973	3,000	4,145	10,606	
August	108,887	91,083	25,694	729	5,321	19,644	83,193	5,618	6,256	19,621	6,836	27,058	2,999	4,154	10,651	
September	109,096	91,230	25,614	730	5,325	19,559	83,482	5,709	6,264	19,632	6,852	27,159	2,996	4,182	10,688	
October	109,171	91,328	25,603	731	5,335	19,537	83,568	5,729	6,278	19,679	6,851	27,188	2,984	4,153	10,706	
November	109,452	91,622	25,609	737	5,355	19,517	83,843	5,753	6,300	19,744	6,871	27,345	2,982	4,162	10,686	
December	109,570	91,699	25,532	739	5,304	19,489	84,038	5,834	6,311	19,718	6,885	27,419	2,974	4,156	10,741	
1990:																
January	109,931	91,975	25,518	745	5,418	19,355	84,413	5,850	6,332	19,822	6,896	27,557	2,998	4,178	10,780	
February ²	110,287	92,289	25,682	749	5,482	19,451	84,605	5,863	6,331	19,793	6,914	27,706	3,006	4,189	10,803	
March ²	110,313	92,240	25,586	748	5,418	19,420	84,727	5,866	6,343	19,766	6,922	27,757	3,058	4,187	10,828	

¹ Not available.

² 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.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1988) and all seasonally adjusted data (beginning January 1985) 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 ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Total		106,342	107,017	108,372	108,878	109,479	-	-	-	-	-
Total private		88,463	89,052	90,429	90,587	91,018	71,391	71,923	72,984	73,103	73,496
Mining		696	702	733	733	735	496	502	527	526	526
Metal mining	10	57.1	58.0	64.8	65.1	-	44.6	45.8	51.5	51.8	-
Iron ores	101	8.6	8.9	9.7	9.7	-	6.9	7.3	8.0	8.0	-
Copper ores	102	13.9	13.9	14.9	14.9	-	10.8	10.9	12.0	12.1	-
Coal mining	11,12	144.1	144.4	144.4	144.3	-	118.1	118.3	117.9	117.4	-
Bituminous coal and lignite mining	12	141.9	142.3	141.8	141.6	-	116.2	116.5	115.7	115.1	-
Oil and gas extraction	13	389.2	390.5	416.9	416.6	414.5	254.4	255.7	278.3	276.6	-
Crude petroleum, natural gas, and natural gas liquids ...	131,2	196.5	196.0	195.3	196.0	-	97.5	97.3	95.2	95.3	-
Oil and gas field services	138	192.7	194.5	221.6	220.6	-	156.9	158.4	183.1	181.3	-
Nonmetallic minerals, except fuels	14	105.4	108.9	106.7	107.3	-	79.0	82.1	79.2	80.0	-
Crushed and broken stone	142	37.4	39.2	37.5	37.5	-	28.6	30.5	28.2	28.5	-
Sand and gravel	144	30.9	32.2	31.5	31.9	-	-	-	-	-	-
Chemical and fertilizer minerals	147	17.8	17.7	17.9	17.9	-	-	-	-	-	-
Construction		4,747	4,837	4,979	4,939	4,990	3,611	3,695	3,804	3,763	3,810
General building contractors	15	1,284.7	1,287.3	1,336.2	1,319.0	1,318.6	912.8	912.7	954.1	936.8	-
Residential building construction	152	690.9	691.0	713.7	709.1	-	478.3	476.1	496.2	491.7	-
Operative builders	153	45.2	45.4	42.4	42.4	-	20.1	19.8	18.1	17.9	-
Nonresidential building construction	154	548.6	550.9	580.1	567.5	-	414.4	416.8	439.8	427.2	-
Heavy construction contractors	16	658.4	694.2	704.3	712.2	-	530.7	564.8	572.1	579.6	-
Highway and street construction	161	181.0	194.1	180.6	183.3	-	137.4	150.7	139.0	142.1	-
Heavy construction, except highway	162	477.4	500.1	523.7	528.9	-	393.3	414.1	433.1	437.5	-
Special trade contractors	17	2,803.5	2,855.5	2,938.8	2,908.1	-	2,167.1	2,217.1	2,277.7	2,246.7	-
Plumbing, heating, and air conditioning	171	648.2	651.0	662.3	653.4	-	475.9	478.3	485.7	476.9	-
Painting, paper hanging, and decorating	172	156.9	159.8	164.4	160.3	-	128.0	131.1	135.4	131.4	-
Electrical work	173	539.3	537.8	558.9	555.5	-	414.6	412.8	429.9	426.9	-
Masonry, stonework, and plastering	174	451.3	460.4	486.7	480.4	-	383.3	392.1	413.9	407.8	-
Carpentering and flooring	175	186.8	191.1	189.1	185.9	-	142.7	147.8	143.7	140.3	-
Roofing and sheet metal work	176	183.2	192.6	208.0	204.2	-	140.1	149.4	163.8	160.2	-
Manufacturing		19,518	19,556	19,231	19,324	19,313	13,318	13,348	13,018	13,116	13,110
Durable goods		11,536	11,550	11,237	11,341	11,338	7,702	7,710	7,414	7,520	7,522
Lumber and wood products	24	754.7	755.0	746.0	741.9	743.1	625.6	625.7	615.1	611.3	611.8
Logging camps and logging contractors	241	87.9	85.5	88.1	87.4	-	72.2	69.8	71.8	71.2	-
Sawmills and planing mills	242	205.5	205.8	205.6	204.9	-	179.8	179.9	179.4	178.7	-
Sawmills and planing mills, general	2421	166.5	166.8	167.3	166.9	-	145.7	145.6	146.1	145.6	-
Hardwood dimension and flooring	2426	35.5	35.4	35.1	34.7	-	31.2	31.2	30.8	30.5	-
Millwork, plywood, and structural members	243	264.5	266.4	262.3	258.6	-	216.1	217.7	212.9	209.2	-
Millwork	2431	105.5	106.6	103.2	101.7	-	84.8	85.9	82.0	80.5	-
Wood kitchen cabinets	2434	71.3	71.7	71.0	69.3	-	56.8	57.1	56.4	54.8	-
Hardwood veneer and plywood	2435	24.8	24.6	23.8	23.8	-	21.7	21.4	20.6	20.4	-
Softwood veneer and plywood	2436	35.0	35.1	36.5	36.2	-	31.4	31.5	32.9	32.6	-
Wood containers	244	42.9	43.0	40.6	41.1	-	36.3	36.4	34.1	34.6	-
Wood buildings and mobile homes	245	67.8	68.1	65.0	65.2	-	50.6	51.1	48.7	49.1	-
Mobile homes	2451	47.1	47.2	46.1	46.7	-	38.0	38.2	37.0	37.5	-
Miscellaneous wood products	249	86.1	86.2	84.4	84.7	-	70.6	70.8	68.2	68.5	-

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 ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Durable goods—Continued											
Furniture and fixtures	25	534.1	534.8	523.8	522.4	521.8	427.7	427.9	416.1	414.8	414.0
Household furniture	251	313.2	314.4	303.1	303.2	-	265.9	266.3	254.5	254.7	-
Wood household furniture	2511	138.5	138.8	134.2	133.7	-	121.2	121.3	116.2	115.7	-
Upholstered household furniture	2512	102.0	102.4	101.0	101.2	-	86.0	85.9	84.4	84.4	-
Metal household furniture	2514	29.2	29.4	25.1	25.6	-	24.1	24.4	20.2	20.8	-
Mattresses and bedsprings	2515	30.1	30.3	29.2	29.5	-	23.2	23.2	22.2	22.6	-
Office furniture	252	70.0	69.8	68.6	68.2	-	52.8	52.6	51.2	51.0	-
Public building and related furniture	253	34.4	34.7	33.3	32.8	-	27.0	27.4	26.0	25.4	-
Partitions and fixtures	254	78.8	78.3	80.4	80.2	-	56.8	56.5	58.0	57.6	-
Miscellaneous furniture and fixtures	259	37.7	37.6	38.4	38.0	-	25.2	25.1	26.4	26.1	-
Stone, clay, and glass products	32	584.6	592.2	581.0	579.3	586.2	452.1	459.2	448.1	446.2	452.6
Flat glass	321	16.9	16.3	16.2	15.9	-	13.6	13.2	12.8	12.5	-
Glass and glassware, pressed or blown	322	83.7	84.2	82.0	82.9	-	72.4	72.6	70.9	71.9	-
Glass containers	3221	42.0	42.1	41.2	42.0	-	38.0	38.0	37.4	38.2	-
Pressed and blown glass, nec	3229	41.7	42.1	40.8	40.9	-	34.4	34.6	33.5	33.7	-
Products of purchased glass	323	55.0	55.7	54.5	53.2	-	42.1	42.9	41.7	40.4	-
Cement, hydraulic	324	19.0	19.1	19.0	19.2	-	14.3	14.5	14.5	14.7	-
Structural clay products	325	37.9	37.9	36.1	36.3	-	29.4	29.5	27.6	27.8	-
Pottery and related products	326	38.3	38.4	38.8	38.9	-	30.7	30.6	30.7	31.0	-
Concrete, gypsum, and plaster products	327	197.7	204.5	202.3	201.0	-	148.9	154.9	152.9	151.5	-
Concrete block and brick	3271	18.0	18.8	17.9	17.8	-	11.4	11.9	11.5	11.4	-
Concrete products, nec	3272	71.0	73.0	72.0	71.9	-	53.5	55.3	54.0	53.7	-
Ready-mixed concrete	3273	88.9	92.8	92.7	91.7	-	68.7	72.5	72.3	71.3	-
Misc. nonmetallic mineral products	329	121.3	120.9	117.9	117.3	-	89.3	89.3	86.3	85.4	-
Abrasive products	3291	22.9	22.6	22.4	22.2	-	16.2	16.1	15.9	15.6	-
Asbestos products	3292	8.9	8.8	8.9	8.8	-	6.7	6.6	6.7	6.5	-
Mineral wool	3296	26.6	26.6	25.8	26.0	-	-	-	-	-	-
Primary metal industries	33	786.8	789.6	765.2	767.6	764.9	602.0	604.7	581.0	583.7	581.4
Blast furnaces and basic steel products	331	275.9	276.4	269.6	267.9	265.5	213.6	214.2	207.2	205.7	203.2
Blast furnaces and steel mills	3312	206.6	206.7	203.2	201.6	-	161.4	161.6	157.6	156.1	-
Steel pipe and tubes	3317	25.2	25.3	24.2	24.2	-	19.1	19.2	18.1	18.3	-
Iron and steel foundries	332	145.3	145.6	136.8	140.2	-	115.5	115.9	108.5	111.9	-
Gray iron foundries	3321	88.2	88.1	81.7	85.3	-	72.6	72.4	65.9	69.6	-
Malleable iron foundries	3322	9.8	9.8	8.5	8.5	-	7.4	7.4	6.5	6.4	-
Steel foundries, nec	3325	31.7	31.8	30.6	30.6	-	24.9	25.1	24.1	24.1	-
Primary nonferrous metals	333	45.5	45.3	45.6	45.6	-	34.0	33.9	33.9	34.0	-
Primary aluminum	3334	27.0	26.9	26.9	26.9	-	20.8	20.7	20.5	20.6	-
Nonferrous rolling and drawing	335	181.0	182.2	178.6	179.0	-	129.9	130.8	127.6	128.2	-
Copper rolling and drawing	3351	23.1	23.4	23.0	22.6	-	17.5	17.9	17.5	17.3	-
Aluminum sheet, plate, and foil	3353	28.3	28.3	28.7	28.3	-	19.1	19.1	19.4	19.0	-
Nonferrous wire drawing and insulating	3357	77.6	78.2	74.6	76.0	-	57.0	57.2	53.8	55.3	-
Nonferrous foundries	336	92.0	92.5	88.3	88.9	-	73.9	74.3	69.8	70.3	-
Aluminum foundries	3361	55.4	55.6	51.2	51.9	-	45.2	45.5	41.1	41.8	-
Fabricated metal products	34	1,452.2	1,451.3	1,404.3	1,414.4	1,413.6	1,081.5	1,080.3	1,031.4	1,042.0	1,041.9
Metal cans and shipping containers	341	52.1	52.3	52.0	52.2	-	44.8	44.9	44.8	45.0	-
Metal cans	3411	41.3	41.4	41.1	41.3	-	35.9	35.9	35.8	36.0	-
Cutlery, hand tools, and hardware	342	138.2	137.1	129.7	133.3	-	102.3	101.7	94.4	98.4	-
Hand and edge tools, and hand saws and blades	3423.5	46.6	46.3	45.9	45.9	-	34.0	33.9	33.9	33.9	-
Hardware, nec	3429	80.3	79.6	72.0	75.4	-	60.6	60.1	52.4	56.2	-
Plumbing and heating, except electric	343	60.0	59.7	61.1	60.5	-	43.8	43.3	43.5	43.2	-
Plumbing fittings and brass goods	3432	26.0	26.2	25.8	26.0	-	19.5	19.6	18.9	19.2	-
Heating equipment, except electric	3433	21.4	20.8	22.6	22.0	-	14.6	13.9	15.1	14.6	-
Fabricated structural metal products	344	431.5	431.9	428.5	425.2	-	308.4	308.7	303.5	300.0	-
Fabricated structural metal	3441	78.8	78.7	79.0	78.1	-	57.0	56.8	56.7	55.8	-
Metal doors, sash, and trim	3442	80.0	80.5	78.9	78.1	-	57.9	58.4	56.6	55.9	-
Fabricated plate work (boiler shops)	3443	106.8	107.4	107.7	107.4	-	72.5	72.7	72.4	71.8	-
Sheet metal work	3444	99.5	99.4	98.2	97.1	-	74.3	74.4	72.9	71.9	-
Architectural metal work	3446	34.0	33.7	32.0	32.1	-	25.0	24.7	22.8	22.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	102.2	102.3	99.6	99.2	-	78.1	78.3	76.5	76.2	-
Screw machine products	3451	50.7	50.8	48.9	49.0	-	41.4	41.5	39.7	39.8	-
Bolts, nuts, rivets, and washers	3452	51.5	51.5	50.7	50.2	-	36.7	36.8	36.8	36.4	-
Metal forgings and stampings	346	237.3	237.4	209.5	221.6	-	190.2	190.5	162.1	173.9	-
Iron and steel forgings	3462	33.3	33.5	32.2	32.4	-	25.7	25.9	24.7	24.8	-
Automotive stampings	3465	106.5	106.7	82.6	94.5	-	90.6	90.8	66.4	78.2	-
Metal stampings, nec	3469	84.9	84.6	82.2	82.1	-	64.5	64.3	61.9	61.6	-
Metal services, nec	347	128.3	128.9	128.7	128.1	-	102.5	102.7	101.3	100.7	-
Plating and polishing	3471	83.1	83.5	82.9	82.4	-	66.8	66.9	65.8	65.4	-
Metal coating and allied services	3479	45.2	45.4	45.8	45.7	-	35.7	35.8	35.5	35.3	-
Ordnance and accessories, nec	348	74.2	73.4	69.1	68.5	-	45.3	44.5	42.4	42.0	-
Ammunition, except for small arms, nec	3483	41.5	41.0	38.2	37.6	-	22.7	22.0	20.6	20.3	-
Misc. fabricated metal products	349	228.4	228.3	226.1	225.8	-	166.1	165.7	162.9	162.6	-
Valves and pipe fittings	3494	78.1	78.2	78.6	78.8	-	52.6	52.5	52.2	52.5	-
Misc. fabricated wire products	3496	56.1	55.8	56.1	56.2	-	43.1	42.5	42.7	42.7	-
Machinery, except electrical	35	2,141.3	2,147.2	2,145.3	2,143.8	2,138.5	1,300.2	1,304.0	1,303.4	1,302.5	1,297.9
Engines and turbines	351	98.0	98.1	97.8	98.9	-	64.9	64.8	63.5	64.6	-
Turbines and turbine generator sets	3511	26.6	26.8	29.1	29.2	-	15.5	15.7	16.9	16.8	-
Internal combustion engines, nec	3519	71.4	71.3	68.7	69.7	-	49.4	49.1	46.6	47.8	-
Farm and garden machinery	352	110.6	111.8	118.7	122.0	-	80.8	82.0	88.7	91.4	-
Farm machinery and equipment	3523	79.2	79.9	83.0	84.5	-	55.6	56.5	59.4	60.7	-
Construction and related machinery	353	234.2	235.5	240.0	240.3	-	144.5	145.0	147.8	147.8	-
Construction machinery	3531	84.8	85.4	86.5	86.7	-	53.1	53.3	53.5	53.4	-
Mining machinery	3532	16.6	16.6	16.9	17.1	-	10.3	10.3	10.5	10.6	-
Oil field machinery	3533	42.4	42.4	42.1	42.7	-	25.2	25.2	24.9	25.3	-
Conveyors and conveying equipment	3535	35.3	35.7	36.9	36.4	-	19.3	19.5	20.3	20.0	-
Industrial trucks and tractors	3537	28.0	28.3	29.3	29.2	-	19.3	19.3	20.0	19.9	-
Metalworking machinery	354	331.8	333.9	335.7	333.7	-	240.8	242.2	242.0	239.9	-
Machine tools, metal cutting types	3541	52.2	52.7	53.5	53.1	-	33.8	34.4	34.8	34.4	-
Machine tools, metal forming types	3542	19.3	19.4	19.9	19.9	-	12.7	12.7	12.6	12.6	-
Special dies, tools, jigs, and fixtures	3544	156.9	157.3	158.8	157.9	-	121.4	121.5	123.0	122.0	-
Machine tool accessories	3545	61.1	61.9	60.9	60.4	-	43.9	44.3	43.0	42.6	-
Power driven hand tools	3546	23.1	23.2	23.2	23.0	-	16.8	16.9	16.1	16.0	-
Special industry machinery	355	178.4	179.2	177.0	176.4	-	107.1	107.3	104.6	104.1	-
Food products machinery	3551	35.9	36.0	35.8	35.6	-	21.8	21.8	21.8	21.6	-
Textile machinery	3552	21.3	21.3	21.0	21.2	-	14.1	14.1	13.9	14.0	-
Printing trades machinery	3555	29.3	29.4	27.0	26.9	-	17.6	17.4	15.1	15.1	-
General industrial machinery	356	255.4	255.3	257.2	256.4	-	166.1	166.0	167.3	167.1	-
Pumps and pumping equipment	3561	45.8	45.9	46.4	45.9	-	26.4	26.5	27.5	27.1	-
Ball and roller bearings	3562	43.7	43.7	43.6	44.1	-	34.2	34.2	33.9	34.4	-
Air and gas compressors	3563	22.4	22.5	22.6	22.4	-	13.0	13.1	12.7	12.6	-
Blowers and fans	3564	31.3	31.3	31.2	31.6	-	20.8	20.8	21.1	21.3	-
Speed changers, drives, and gears	3566	17.5	17.5	17.9	17.7	-	12.2	12.2	12.6	12.4	-
Power transmission equipment, nec	3568	18.9	18.9	18.8	18.6	-	13.0	13.0	12.8	12.8	-
Office and computing machines	357	474.8	474.8	469.9	467.9	-	154.2	155.2	157.0	156.1	-
Electronic computing equipment	3573	420.4	419.8	415.1	413.3	-	129.4	129.9	131.4	130.5	-
Refrigeration and service machinery	358	188.2	188.1	180.0	178.8	-	135.9	135.5	127.7	126.5	-
Refrigeration and heating equipment	3585	131.5	131.3	125.1	124.0	-	97.9	97.7	91.3	90.3	-
Misc. machinery, except electrical	359	269.9	270.5	269.0	269.4	-	205.9	206.0	204.8	205.0	-
Carburetors, pistons, rings, and valves	3592	30.5	30.5	28.0	28.3	-	24.1	24.1	22.4	22.9	-
Machinery, except electrical, nec	3599	239.4	240.0	241.0	241.1	-	181.8	181.9	182.4	182.1	-
Electrical and electronic equipment	36	2,058.4	2,051.7	1,993.2	1,986.7	1,986.8	1,217.7	1,208.9	1,173.2	1,168.5	1,172.3
Electric distributing equipment	361	108.6	108.6	104.7	104.9	-	76.9	77.0	74.1	74.0	-
Transformers	3612	53.8	53.7	51.4	51.4	-	38.6	38.5	36.8	36.7	-
Switchgear and switchboard apparatus	3613	54.8	54.9	53.3	53.5	-	38.3	38.5	37.3	37.3	-
Electrical industrial apparatus	362	185.8	186.1	184.7	184.0	-	130.2	130.4	128.3	127.8	-
Motors and generators	3621	90.5	90.6	89.2	88.7	-	71.2	71.3	70.2	69.8	-
Industrial controls	3622	60.4	60.6	61.3	61.1	-	35.8	36.0	35.5	35.3	-
Household appliances	363	136.8	136.6	133.7	132.4	-	110.7	109.7	107.1	105.9	-
Household refrigerators and freezers	3632	28.6	27.9	25.6	25.2	-	23.6	23.2	20.5	20.4	-
Household laundry equipment	3633	22.7	22.7	22.7	22.8	-	18.6	18.5	18.7	18.7	-
Electric housewares and fans	3634	35.3	36.0	36.8	36.0	-	27.9	28.3	28.5	27.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	202.3	202.5	194.5	195.4	-	146.9	147.2	141.0	141.4	-
Electric lamps	3641	26.6	26.7	26.0	25.9	-	22.6	22.8	22.3	22.2	-
Current-carrying wiring devices	3643	79.4	78.7	75.4	75.3	-	51.8	51.4	49.3	48.9	-
Noncurrent-carrying wiring devices	3644	16.8	17.0	16.9	17.0	-	12.6	12.8	12.6	12.6	-
Residential lighting fixtures	3645	28.4	28.9	27.5	27.4	-	21.5	21.9	20.5	20.4	-
Radio and TV receiving equipment	365	90.8	91.6	93.3	93.4	-	64.4	64.9	65.4	65.3	-
Radio and TV receiving sets	3651	67.3	67.8	69.1	69.3	-	46.3	46.7	46.8	46.6	-
Communication equipment	366	548.3	545.4	520.1	517.6	-	224.9	221.8	208.6	208.1	-
Telephone and telegraph apparatus	3661	106.2	104.7	97.3	96.3	-	63.8	62.5	58.4	57.9	-
Radio and TV communication equipment	3662	442.1	440.7	422.8	421.3	-	161.1	159.3	150.2	150.2	-
Electronic components and accessories	367	628.4	623.4	607.9	604.8	-	352.1	346.5	340.7	338.4	-
Electronic tubes	3671-3	38.6	38.8	38.5	37.8	-	24.9	24.9	24.2	23.8	-
Semiconductors and related devices	3674	261.6	258.6	254.4	254.1	-	100.7	96.6	97.4	97.6	-
Electronic components, nec	3679	253.4	252.0	246.6	244.8	-	170.9	170.1	169.1	167.2	-
Misc. electrical equipment and supplies	369	157.4	157.5	154.3	154.2	-	111.6	111.4	108.0	107.6	-
Storage batteries	3691	27.2	27.6	30.0	28.9	-	20.9	20.9	23.4	22.2	-
Engine electrical equipment	3694	70.4	70.0	65.5	66.8	-	53.9	53.7	49.4	50.4	-
Transportation equipment	37	2,068.6	2,066.6	1,918.1	2,021.3	2,021.3	1,291.7	1,291.9	1,137.6	1,240.9	1,240.4
Motor vehicles and equipment	371	870.3	868.6	718.6	821.6	821.5	677.0	676.1	526.5	628.5	629.3
Motor vehicles and car bodies	3711	361.8	359.4	264.3	342.7	-	271.2	269.3	173.0	250.4	-
Truck and bus bodies	3713	43.2	43.6	39.6	43.2	-	33.2	33.8	30.9	33.9	-
Motor vehicle parts and accessories	3714	414.1	413.8	369.2	390.5	-	332.4	332.2	287.6	309.2	-
Truck trailers	3715	30.2	30.6	26.6	26.7	-	23.8	24.2	20.8	21.0	-
Aircraft and parts	372	694.9	695.7	711.5	709.7	-	337.4	338.2	342.2	342.1	-
Aircraft	3721	372.3	373.2	386.0	385.5	-	163.1	163.8	165.5	166.3	-
Aircraft engines and engine parts	3724	150.9	150.6	152.6	151.9	-	75.8	75.8	77.2	76.5	-
Aircraft equipment, nec	3728	171.7	171.9	172.9	172.3	-	98.5	98.6	99.5	99.3	-
Ship and boat building and repairing	373	192.5	192.1	182.7	183.0	-	143.0	143.2	136.0	136.4	-
Ship building and repairing	3731	121.8	121.4	121.8	121.2	-	83.5	83.9	86.4	85.9	-
Boat building and repairing	3732	70.7	70.7	60.9	61.8	-	59.5	59.3	49.6	50.5	-
Railroad equipment	374	37.6	38.1	39.6	39.7	-	28.1	28.4	29.5	29.3	-
Guided missiles, space vehicles, and parts	376	210.2	208.7	206.8	206.6	-	62.9	62.0	63.6	63.5	-
Guided missiles and space vehicles	3761	153.5	153.0	154.0	153.7	-	43.0	42.1	42.9	42.9	-
Miscellaneous transportation equipment	379	49.6	49.7	45.3	46.9	-	33.7	34.2	29.6	30.8	-
Travel trailers and campers	3792	21.0	20.7	18.5	19.8	-	16.5	16.5	14.2	15.0	-
Instruments and related products	38	770.7	774.0	774.8	774.1	773.2	424.7	426.5	428.6	427.9	428.3
Engineering and scientific instruments	381	98.4	99.3	100.0	100.3	-	45.3	46.0	48.0	48.3	-
Measuring and controlling devices	382	267.9	269.7	268.9	267.3	-	153.7	154.6	152.5	151.4	-
Environmental controls	3822	49.2	49.5	48.7	47.6	-	32.9	33.3	32.7	31.9	-
Process control instruments	3823	62.5	62.9	63.7	63.5	-	33.6	33.8	33.6	33.3	-
Instruments to measure electricity	3825	108.3	108.8	108.5	108.2	-	55.0	55.1	54.6	54.6	-
Optical instruments and lenses	383	31.0	30.8	30.1	30.0	-	16.2	16.1	15.5	15.6	-
Medical instruments and supplies	384	208.0	208.4	214.0	214.5	-	125.4	125.4	128.3	128.5	-
Surgical and medical instruments	3841	102.7	103.4	106.9	106.7	-	59.9	60.4	61.6	61.6	-
Surgical appliances and supplies	3842	90.6	90.1	92.2	93.0	-	57.3	56.8	58.0	58.3	-
Ophthalmic goods	385	38.6	38.9	40.2	40.3	-	26.2	26.4	27.5	27.8	-
Photographic equipment and supplies	386	115.4	115.5	110.7	110.7	-	49.3	49.4	48.7	48.0	-
Watches, clocks, and watchcases	387	11.4	11.4	10.9	11.0	-	8.6	8.6	8.1	8.3	-
Miscellaneous manufacturing	39	385.0	387.9	385.7	389.0	388.3	278.7	281.0	279.5	282.4	281.8
Jewelry, silverware, and plated ware	391	53.4	53.3	53.1	52.9	-	37.7	37.7	37.2	36.9	-
Jewelry, precious metal	3911	38.3	38.3	38.6	38.1	-	27.0	27.0	26.7	26.5	-
Musical instruments	393	13.3	13.4	12.8	12.7	-	11.0	11.1	10.4	10.4	-
Toys and sporting goods	394	102.9	104.5	103.3	105.3	-	75.3	76.6	74.6	76.6	-
Dolls, games, toys, and children's vehicles	3942.4	42.9	44.0	42.8	44.5	-	29.6	30.6	29.6	31.1	-
Sporting and athletic goods, nec	3949	60.0	60.5	60.5	60.8	-	45.7	46.0	45.0	45.5	-
Pens, pencils, office, and art supplies	395	34.1	34.1	33.6	33.7	-	23.6	23.6	23.6	23.6	-
Costume jewelry and notions	396	40.3	40.8	42.2	43.4	-	31.2	31.8	33.2	33.8	-
Costume jewelry	3961	22.3	22.4	23.5	25.3	-	17.1	17.3	18.8	20.1	-
Miscellaneous manufactures	399	141.0	141.8	140.7	141.0	-	99.9	100.2	100.5	101.1	-
Signs and advertising displays	3993	62.4	62.3	62.7	63.0	-	43.1	42.9	43.9	44.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Nondurable goods		7,982	8,006	7,994	7,983	7,975	5,616	5,638	5,604	5,596	5,588
Food and kindred products	20	1,595.6	1,598.6	1,629.4	1,619.8	1,611.0	1,129.4	1,132.3	1,160.7	1,151.9	1,144.8
Meat products	201	407.1	408.3	422.7	423.3	-	344.6	346.0	359.7	360.1	-
Meat packing plants	2011	142.0	142.3	145.4	145.0	-	118.6	119.1	122.4	121.9	-
Sausages and other prepared meats	2013	81.9	81.8	82.7	82.3	-	60.2	59.9	60.8	60.4	-
Poultry dressing plants	2016	159.9	161.0	170.2	171.4	-	145.1	146.3	154.4	155.6	-
Dairy products	202	154.3	155.4	153.1	152.7	-	93.6	94.8	93.2	93.2	-
Cheese, natural and processed	2022	40.7	41.3	41.9	40.9	-	30.8	31.5	32.2	31.2	-
Fluid milk	2026	74.6	74.6	73.5	73.4	-	37.3	37.3	36.6	36.6	-
Preserved fruits and vegetables	203	221.1	227.4	230.0	229.2	-	177.5	183.4	186.7	185.9	-
Canned specialties	2032	23.1	23.5	24.8	24.2	-	16.7	16.8	18.4	17.6	-
Canned fruits and vegetables	2033	67.5	69.5	68.3	68.0	-	54.1	56.4	55.9	55.8	-
Frozen fruits and vegetables	2037	43.5	46.1	46.4	47.4	-	37.7	40.0	40.1	40.8	-
Grain mill products	204	125.1	124.8	131.7	130.6	-	87.1	87.2	91.2	90.5	-
Flour and other grain mill products	2041	22.3	22.1	24.7	24.4	-	15.3	15.3	16.6	16.0	-
Prepared feeds, nec	2048	42.1	42.1	43.4	43.1	-	26.6	26.7	27.5	27.4	-
Bakery products	205	199.3	198.6	201.7	200.4	-	121.6	121.1	123.3	122.7	-
Bread, cake, and related products	2051	153.4	153.5	155.9	154.8	-	86.7	87.0	88.0	87.6	-
Cookies and crackers	2052	45.9	45.1	45.8	45.6	-	34.9	34.1	35.3	35.1	-
Sugar and confectionery products	206	99.0	93.8	105.5	100.7	-	77.8	72.5	83.4	78.2	-
Cane and beet sugar	2061-3	19.3	17.9	20.9	18.7	-	15.0	13.7	16.9	14.4	-
Confectionery products	2065	58.1	55.4	62.0	59.5	-	48.3	45.3	51.2	48.6	-
Fats and oils	207	32.1	32.1	31.7	31.6	-	23.7	23.5	23.3	23.0	-
Beverages	208	194.6	195.3	190.1	190.3	-	82.2	82.8	79.1	79.1	-
Malt beverages	2082	40.3	40.5	39.8	40.0	-	24.0	24.5	23.8	24.4	-
Bottled and canned soft drinks	2086	109.8	110.4	109.0	109.2	-	36.0	36.3	35.2	34.9	-
Misc. food and kindred products	209	163.0	162.9	162.9	161.0	-	121.3	121.0	120.8	119.2	-
Tobacco manufactures	21	56.2	54.5	53.4	51.5	49.1	41.8	40.1	40.9	39.1	36.4
Cigarettes	211	40.3	40.3	36.6	36.5	-	29.6	29.6	27.5	27.5	-
Textile mill products	22	726.2	727.2	715.5	712.4	710.1	628.5	629.8	615.8	612.4	610.7
Weaving mills, cotton	221	96.3	96.1	95.1	94.2	-	86.6	86.4	85.5	84.9	-
Weaving mills, synthetics	222	91.5	91.6	89.9	89.1	-	81.5	81.6	79.3	78.4	-
Weaving and finishing mills, wool	223	19.4	19.6	18.1	18.0	-	15.8	15.9	14.6	14.5	-
Narrow fabric mills	224	24.7	24.8	24.2	24.1	-	21.2	21.2	20.3	20.2	-
Knitting mills	225	208.9	209.7	206.1	205.6	-	183.8	185.2	180.2	179.6	-
Women's hosiery, except socks	2251	33.6	33.6	32.4	32.7	-	30.4	30.3	28.9	29.2	-
Hosiery, nec	2252	36.6	36.8	37.5	37.3	-	32.9	33.4	33.9	33.7	-
Knit outerwear mills	2253	68.3	68.6	67.0	66.6	-	60.9	61.3	58.9	58.3	-
Knit underwear mills	2254	25.3	25.5	24.2	24.0	-	21.3	21.6	20.4	20.4	-
Circular knit fabric mills	2257	26.1	26.4	27.1	27.1	-	22.8	23.0	23.5	23.5	-
Textile finishing, except wool	226	61.5	61.5	61.7	61.9	-	50.8	50.7	50.0	50.0	-
Finishing plants, cotton	2261	25.9	25.6	26.8	26.9	-	21.3	21.0	21.4	21.4	-
Finishing plants, synthetics	2262	21.6	21.7	21.6	21.5	-	17.5	17.5	17.3	17.2	-
Floor covering mills	227	61.1	61.2	64.8	64.1	-	49.7	49.8	53.2	52.4	-
Yarn and thread mills	228	106.7	106.7	101.6	101.2	-	95.5	95.5	91.2	90.7	-
Yarn mills, except wool	2281	80.4	80.4	76.3	76.0	-	72.5	72.6	68.7	68.5	-
Throwing and winding mills	2282	14.5	14.5	13.8	13.7	-	12.9	12.8	12.3	12.1	-
Miscellaneous textile goods	229	56.1	56.0	54.0	54.2	-	43.6	43.5	41.5	41.7	-
Apparel and other textile products	23	1,096.2	1,102.3	1,064.0	1,065.0	1,061.0	925.6	931.5	894.8	896.1	891.8
Men's and boys' suits and coats	231	58.1	58.1	53.4	50.4	-	49.9	49.8	45.3	42.4	-
Men's and boys' furnishings	232	299.6	300.8	294.7	292.2	-	258.8	260.4	254.6	252.0	-
Men's and boys' shirts and nightwear	2321	75.2	75.2	73.2	72.8	-	64.1	64.3	63.1	62.6	-
Men's and boys' separate trousers	2327	50.5	50.5	47.3	47.1	-	43.8	43.8	40.6	40.3	-
Men's and boys' work clothing	2328	89.8	90.8	89.9	88.7	-	78.7	79.8	78.5	77.3	-
Women's and misses' outerwear	233	343.0	344.7	321.8	322.9	-	288.1	289.8	268.6	269.7	-
Women's and misses' blouses and waists	2331	43.5	43.4	39.5	39.8	-	36.2	36.3	32.3	32.7	-
Women's and misses' dresses	2335	77.5	78.7	72.1	72.9	-	64.6	66.0	59.6	60.0	-
Women's and misses' suits and coats	2337	36.2	35.8	34.3	34.3	-	29.8	29.6	28.1	28.0	-
Women's and misses' outerwear, nec	2339	185.8	186.8	175.9	175.9	-	157.5	157.9	148.6	149.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	70.4	71.0	66.3	66.2	-	58.4	58.8	55.0	54.8	-
Women's and children's underwear	2341	56.8	57.1	52.9	52.9	-	48.9	49.1	45.8	45.8	-
Brassieres and allied garments	2342	13.6	13.9	13.4	13.3	-	9.5	9.7	9.2	9.0	-
Children's outerwear	236	57.4	56.4	58.0	57.7	-	48.0	47.2	49.2	48.9	-
Children's dresses and blouses	2361	22.7	22.0	22.7	22.5	-	19.6	19.1	19.9	19.7	-
Misc. apparel and accessories	238	43.1	44.0	42.7	43.7	-	35.7	36.2	35.0	36.3	-
Misc. fabricated textile products	239	206.3	208.8	207.9	212.3	-	172.0	174.3	171.3	176.0	-
Curtains and draperies	2391	24.6	25.3	26.5	26.5	-	20.4	21.0	21.9	22.0	-
House furnishings, nec	2392	55.2	56.1	58.1	58.0	-	46.5	47.4	48.7	48.6	-
Automotive and apparel trimmings	2396	44.0	44.1	40.6	44.4	-	37.6	37.3	33.1	37.2	-
Paper and allied products	26	691.2	693.1	693.4	693.1	692.6	520.3	522.0	523.0	522.1	522.0
Paper and pulp mills	261,2,6	191.9	192.4	194.3	193.3	-	145.4	146.0	147.2	146.4	-
Paper mills, except building paper	262	171.9	172.2	174.2	173.1	-	129.7	130.0	131.1	130.3	-
Paperboard mills	263	52.6	52.4	52.9	52.8	-	40.4	40.2	40.6	40.5	-
Misc. converted paper products	264	238.7	239.1	236.1	237.8	-	173.7	174.0	173.0	173.6	-
Paper coating and glazing	2641	60.1	60.2	59.1	60.4	-	35.1	34.8	35.0	35.7	-
Envelopes	2642	27.4	26.9	26.6	26.6	-	21.2	20.9	20.6	20.5	-
Bags, except textile bags	2643	54.0	53.8	53.9	53.7	-	42.5	42.3	42.2	42.1	-
Paperboard containers and boxes	265	208.0	209.2	210.1	209.2	-	160.8	161.8	162.2	161.6	-
Folding paperboard boxes	2651	46.0	46.4	46.5	46.5	-	36.8	37.0	36.9	37.1	-
Corrugated and solid fiber boxes	2653	113.2	113.6	114.7	114.4	-	84.9	85.3	86.2	86.0	-
Sanitary food containers	2654	22.2	22.3	21.9	22.0	-	18.6	18.7	18.3	18.4	-
Printing and publishing	27	1,594.6	1,599.8	1,622.8	1,624.4	1,628.2	886.7	891.8	902.2	904.8	906.9
Newspapers	271	476.6	475.4	480.6	481.9	-	168.7	168.9	167.3	167.8	-
Periodicals	272	133.9	134.8	137.7	138.5	-	47.4	47.5	50.7	50.9	-
Books	273	121.2	122.3	122.5	123.1	-	64.2	65.4	65.8	67.3	-
Book publishing	2731	89.6	90.4	90.7	91.3	-	39.2	40.0	39.8	41.0	-
Book printing	2732	31.6	31.9	31.8	31.8	-	25.0	25.4	26.0	26.3	-
Miscellaneous publishing	274	81.7	81.8	83.9	83.4	-	42.1	42.5	42.5	42.9	-
Commercial printing	275	567.2	570.6	580.1	579.9	-	411.8	414.3	420.8	421.0	-
Commercial printing, letterpress	2751	173.2	175.0	179.3	178.4	-	124.4	126.3	129.1	127.8	-
Commercial printing, lithographic	2752	365.8	367.5	373.5	373.9	-	265.0	265.6	270.4	271.5	-
Manifold business forms	276	49.6	49.6	48.7	48.5	-	33.8	33.8	33.9	33.7	-
Blankbooks and bookbinding	278	80.0	80.5	82.2	81.8	-	62.2	62.5	63.1	63.1	-
Printing trade services	279	60.4	60.8	61.4	61.2	-	44.5	44.8	45.2	45.0	-
Chemicals and allied products	28	1,080.3	1,084.4	1,097.0	1,100.3	1,100.3	605.9	608.4	612.8	615.6	616.1
Industrial inorganic chemicals	281	133.6	133.8	136.1	136.4	-	67.7	68.1	70.3	70.9	-
Industrial inorganic chemicals, nec	2819	90.6	90.5	91.7	92.0	-	47.9	48.0	48.3	48.6	-
Plastics materials and synthetics	282	183.3	183.6	189.1	189.4	-	120.0	120.0	122.9	123.2	-
Plastics materials and resins	2821	85.2	85.5	88.3	88.3	-	50.4	50.6	52.1	52.1	-
Organic fibers, noncellulosic	2824	68.8	68.8	70.8	71.0	-	48.9	48.5	49.8	50.0	-
Drugs	283	236.6	238.4	245.4	246.8	-	104.5	105.0	109.7	111.5	-
Pharmaceutical preparations	2834	194.7	196.4	202.6	203.6	-	85.2	85.6	91.1	92.5	-
Soap, cleaners, and toilet goods	284	160.9	161.8	158.5	158.4	-	102.2	102.4	97.9	97.8	-
Soap and other detergents	2841	43.8	43.3	43.9	43.8	-	27.4	27.0	27.9	28.0	-
Polishing, sanitation, and finishing preparations	2842,3	46.0	46.5	46.7	47.1	-	26.3	26.5	25.3	25.5	-
Toilet preparations	2844	71.1	72.0	67.9	67.5	-	48.5	48.9	44.7	44.3	-
Paints and allied products	285	62.8	63.0	62.8	62.9	-	31.7	31.8	31.6	31.6	-
Industrial organic chemicals	286	148.7	148.8	152.0	151.9	-	85.9	86.7	87.7	86.7	-
Cyclic crudes and intermediates	2865	30.4	30.5	31.5	31.5	-	18.7	18.9	18.9	18.9	-
Gum, wood, and industrial organic chemicals, nec	2861,9	118.3	118.3	120.5	120.4	-	67.2	67.8	68.8	67.8	-
Agricultural chemicals	287	53.0	53.7	53.0	53.7	-	33.8	34.1	32.8	33.5	-
Miscellaneous chemical products	289	101.4	101.3	100.1	100.8	-	60.1	60.3	59.9	60.4	-
Petroleum and coal products	29	157.1	158.1	159.5	160.4	161.9	101.0	101.9	103.1	104.0	105.0
Petroleum refining	291	121.6	121.6	123.5	123.6	-	77.4	77.2	78.8	79.1	-
Paving and roofing materials	295	22.9	23.7	22.9	23.5	-	16.7	17.6	16.9	17.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P
Nondurable goods—Continued											
Rubber and misc. plastics products	30	842.1	845.5	823.8	821.0	825.3	659.2	662.1	638.9	637.2	642.0
Tires and inner tubes	301	84.5	84.7	85.9	82.8	-	63.6	63.7	63.5	60.7	-
Rubber and plastics footwear	302	11.1	11.1	10.8	10.9	-	9.1	9.1	8.8	8.9	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	27.8	27.8	26.9	27.1	-	20.7	20.7	20.2	20.5	-
Fabricated rubber products, nec	306	101.9	102.0	96.5	95.4	-	78.5	78.6	73.5	72.5	-
Miscellaneous plastics products	307	616.8	619.9	603.7	604.8	-	487.3	490.0	472.9	474.6	-
Leather and leather products	31	142.1	142.4	134.8	135.4	135.2	117.7	117.7	111.5	112.5	112.2
Leather tanning and finishing	311	14.2	14.2	14.5	14.5	-	11.9	12.0	12.0	12.2	-
Footwear, except rubber	314	81.5	81.3	75.5	75.5	-	69.6	69.2	64.3	64.4	-
Men's footwear, except athletic	3143	36.4	35.9	33.3	32.9	-	29.4	28.9	27.3	26.9	-
Women's footwear, except athletic	3144	27.8	27.8	27.0	26.6	-	24.6	24.7	23.9	23.6	-
Luggage	316	11.4	11.5	11.7	11.8	-	8.2	8.3	8.6	8.7	-
Handbags and personal leather goods	317	15.9	15.9	14.3	14.6	-	12.3	12.3	11.3	11.5	-
Transportation and public utilities		5,597	5,607	5,784	5,788	5,808	4,655	4,666	4,829	4,829	4,855
Transportation		3,395	3,404	3,580	3,586	3,606	-	-	-	-	-
Railroad transportation	40	290.6	291.8	284.4	281.0	-	-	-	-	-	-
Class I railroads ²	4011	249.5	249.3	240.9	238.0	-	-	-	-	-	-
Local and interurban passenger transit	41	330.5	337.4	352.8	354.8	-	303.5	310.9	322.2	324.0	-
Local and suburban transportation	411	124.9	127.1	134.7	137.2	-	113.2	115.9	120.1	123.3	-
Taxicabs	412	36.3	36.2	35.1	34.8	-	-	-	-	-	-
Intercity highway transportation	413	29.0	29.2	29.6	28.8	-	26.0	26.1	26.1	25.2	-
School buses	415	112.8	115.0	123.2	123.2	-	-	-	-	-	-
Trucking and warehousing	42	1,590.6	1,601.5	1,656.0	1,654.1	-	1,383.8	1,393.8	1,441.1	1,437.3	-
Trucking and trucking terminals	421,3	1,472.0	1,483.7	1,532.9	1,532.1	-	1,283.7	1,294.8	1,338.5	1,335.5	-
Public warehousing	422	118.6	117.8	123.1	122.0	-	100.1	99.0	102.6	101.8	-
Water transportation	44	162.9	169.1	165.6	161.0	-	-	-	-	-	-
Local water transportation	445	26.1	27.5	28.5	27.8	-	-	-	-	-	-
Water transportation services	446	88.6	92.8	87.9	84.1	-	-	-	-	-	-
Transportation by air	45	671.6	651.7	749.9	757.5	-	-	-	-	-	-
Air transportation	451,2	577.7	556.8	647.1	653.2	-	-	-	-	-	-
Air transportation services	458	93.9	94.9	102.8	104.3	-	-	-	-	-	-
Pipe lines, except natural gas	46	18.3	18.1	19.0	19.2	-	12.9	12.8	13.7	13.9	-
Transportation services	47	330.9	334.5	352.3	358.1	-	-	-	-	-	-
Freight forwarding	471	74.1	74.5	77.6	78.8	-	-	-	-	-	-
Communication and public utilities		2,202	2,203	2,204	2,202	2,202	-	-	-	-	-
Communication	48	1,276.5	1,276.0	1,268.3	1,266.5	-	968.8	969.9	972.3	970.7	-
Telephone communication	481	885.2	884.4	865.9	862.3	-	652.5	652.7	647.6	644.1	-
Radio and television broadcasting	483	242.3	241.8	246.8	247.7	-	200.1	200.1	203.8	204.6	-
Radio broadcasting	4832	120.8	120.3	122.9	123.2	-	-	-	-	-	-
Television broadcasting	4833	121.5	121.5	123.9	124.5	-	-	-	-	-	-
Electric, gas, and sanitary services	49	925.6	927.2	935.9	935.4	-	730.6	732.0	739.0	738.6	-
Electric services	491	448.7	448.7	446.1	445.4	-	342.8	342.9	343.2	343.0	-
Gas production and distribution	492	164.3	164.3	167.7	167.5	-	129.1	129.1	130.9	130.5	-
Combination utility services	493	192.4	192.4	192.6	192.3	-	157.1	157.4	155.3	155.1	-
Sanitary services	495	91.6	92.9	100.4	100.8	-	79.5	80.3	87.0	87.3	-
Wholesale trade		6,115	6,154	6,282	6,275	6,302	4,915	4,950	5,045	5,034	5,052
Durable goods	50	3,634	3,658	3,735	3,735	3,748	2,902	2,923	2,977	2,976	-
Motor vehicles and automotive equipment	501	434.5	434.9	434.3	433.6	-	349.7	350.7	350.6	349.6	-
Automobiles and other motor vehicles	5012	123.1	123.7	122.3	122.7	-	-	-	-	-	-
Automotive parts and supplies	5013	281.4	281.1	281.1	280.3	-	-	-	-	-	-

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 ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	154.9	156.2	156.4	155.2	-	124.9	126.3	126.2	125.0	-
Furniture	5021	71.6	72.5	71.3	70.6	-	-	-	-	-	-
Home furnishings	5023	83.3	83.7	85.1	84.6	-	-	-	-	-	-
Lumber and construction materials	503	227.6	231.0	238.1	239.1	-	185.3	188.5	194.3	194.7	-
Lumber, plywood, and millwork	5031	119.8	121.1	125.1	125.6	-	-	-	-	-	-
Construction materials, nec	5039	107.8	109.9	113.0	113.5	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	93.7	95.0	97.3	97.4	-	74.8	76.0	77.3	77.6	-
Metals and minerals, except petroleum	505	144.8	145.5	143.8	143.6	-	115.0	115.6	113.9	113.7	-
Electrical goods	506	517.7	520.8	544.6	545.3	-	397.7	400.4	413.9	414.4	-
Electrical apparatus and equipment	5063	271.2	272.1	289.4	289.2	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	68.1	68.9	70.2	70.2	-	-	-	-	-	-
Electronic parts and equipment	5065	178.4	179.8	185.0	185.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	280.1	281.8	280.9	280.5	-	226.8	228.5	225.8	225.6	-
Hardware	5072	97.3	97.4	95.2	95.2	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	115.5	117.0	116.4	116.3	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,547.9	1,557.9	1,600.6	1,603.4	-	1,240.2	1,248.2	1,282.5	1,285.3	-
Commercial machines and equipment	5081	555.4	558.3	565.9	565.5	-	-	-	-	-	-
Construction and mining machinery	5082	83.6	84.6	87.1	87.0	-	-	-	-	-	-
Farm machinery and equipment	5083	117.9	120.0	123.9	124.7	-	-	-	-	-	-
Industrial machinery and equipment	5084	341.2	343.9	358.1	358.8	-	-	-	-	-	-
Industrial supplies	5085	143.4	144.2	150.5	150.3	-	-	-	-	-	-
Professional equipment and supplies	5086	179.6	179.2	181.1	182.2	-	-	-	-	-	-
Miscellaneous durable goods	509	233.1	234.8	239.0	237.1	-	187.4	189.0	192.6	190.4	-
Scrap and waste materials	5093	110.1	110.3	112.6	112.3	-	-	-	-	-	-
Nondurable goods	51	2,481	2,496	2,547	2,540	2,554	2,013	2,027	2,068	2,058	-
Paper and paper products	511	224.5	225.2	230.9	230.7	-	181.5	182.5	184.7	184.0	-
Drugs, proprietaries, and sundries	512	186.1	186.5	191.2	190.1	-	156.5	156.7	159.7	158.7	-
Apparel, piece goods, and notions	513	195.1	196.2	203.9	203.2	-	151.0	151.7	158.7	157.9	-
Groceries and related products	514	821.5	823.1	838.4	832.8	-	687.2	688.6	703.6	696.4	-
Groceries, general line	5141	267.6	269.3	279.4	278.0	-	-	-	-	-	-
Meats and meat products	5147	66.5	66.3	67.0	66.4	-	-	-	-	-	-
Fresh fruits and vegetables	5148	101.2	99.6	98.9	97.5	-	-	-	-	-	-
Chemicals and allied products	516	127.7	128.9	130.0	130.0	-	91.7	92.7	95.2	94.9	-
Petroleum and petroleum products	517	205.0	206.8	207.6	206.7	-	160.8	162.4	163.9	163.3	-
Petroleum bulk stations and terminals	5171	85.8	86.9	87.4	87.4	-	-	-	-	-	-
Petroleum products, nec	5172	119.2	119.9	120.2	119.3	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	149.5	150.8	153.9	153.7	-	121.8	123.3	125.6	125.2	-
Beer and ale	5181	94.0	95.3	96.9	97.2	-	-	-	-	-	-
Wines and distilled beverages	5182	55.5	55.5	57.0	56.5	-	-	-	-	-	-
Miscellaneous nondurable goods	519	452.1	458.8	472.1	476.6	-	365.2	371.5	379.6	383.1	-
Farm supplies	5191	150.5	155.2	158.1	160.3	-	-	-	-	-	-
Retail trade		18,937	19,059	19,525	19,278	19,351	16,718	16,830	17,263	17,008	17,072
Building materials and garden supplies	52	733.6	746.2	740.8	741.3	-	601.6	614.0	611.0	609.5	-
Lumber and other building materials	521	411.6	414.3	412.6	411.3	-	343.6	346.8	346.0	343.3	-
Hardware stores	525	160.2	162.0	168.4	167.1	-	132.2	134.0	139.0	137.2	-
General merchandise stores	53	2,405.2	2,398.0	2,558.6	2,394.5	2,370.0	2,213.4	2,204.6	2,386.1	2,222.3	-
Department stores	531	1,988.8	1,981.0	2,132.2	1,993.3	-	1,840.3	1,831.1	2,000.9	1,862.4	-
Variety stores	533	232.6	234.3	229.7	222.2	-	212.8	214.5	211.7	204.0	-
Misc. general merchandise stores	539	183.8	182.7	196.7	179.0	-	160.3	159.0	173.5	155.9	-
Food stores	54	3,177.0	3,184.3	3,344.1	3,326.5	3,321.8	2,926.9	2,930.8	3,075.2	3,057.0	-
Grocery stores	541	2,818.4	2,819.8	2,965.2	2,946.8	-	2,610.9	2,609.9	2,742.4	2,723.0	-
Meat markets and freezer provisioners	542	55.2	55.9	58.4	57.1	-	-	-	-	-	-
Dairy products stores	545	27.9	29.8	28.4	27.2	-	-	-	-	-	-
Retail bakeries	546	172.8	174.4	177.4	177.6	-	155.8	157.2	158.6	158.6	-
Automotive dealers and service stations	55	2,118.0	2,129.4	2,144.4	2,140.5	2,145.0	1,768.3	1,778.3	1,782.6	1,777.6	-
New and used car dealers	551.2	1,044.7	1,046.6	1,027.9	1,027.1	-	867.4	868.5	850.0	848.3	-
Auto and home supply stores	553	338.6	341.1	359.8	359.3	-	271.8	273.9	287.4	285.5	-
Gasoline service stations	554	630.7	633.3	642.6	637.7	-	547.3	549.7	555.8	552.3	-

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 ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P
Retail trade—Continued											
Apparel and accessory stores	56	1,158.3	1,165.1	1,196.7	1,140.3	-	971.7	979.4	1,008.4	952.5	-
Men's and boys' clothing and furnishings	561	106.0	106.4	108.6	103.2	-	85.6	86.1	87.5	82.2	-
Women's ready-to-wear stores	562	407.3	410.8	412.8	397.2	-	340.6	344.7	344.1	328.1	-
Family clothing stores	565	269.1	269.3	288.2	263.1	-	232.2	232.0	250.8	226.3	-
Shoe stores	566	225.0	229.1	234.3	227.1	-	186.2	190.8	196.0	189.2	-
Furniture and home furnishings stores	57	807.2	805.2	821.2	808.6	-	660.1	659.5	676.2	663.1	-
Furniture and home furnishings stores	571	467.9	469.2	476.1	472.2	-	380.7	382.1	388.7	384.8	-
Furniture stores	5712	289.6	290.5	292.2	291.1	-	-	-	-	-	-
Household appliance stores	572	80.1	80.2	75.8	73.5	-	66.7	66.9	63.3	60.9	-
Radio, television, and music stores	573	259.2	255.8	269.3	262.9	-	212.7	210.5	224.2	217.4	-
Radio and television stores	5732	181.8	179.3	186.7	183.0	-	-	-	-	-	-
Music stores	5733	77.4	76.5	82.6	79.9	-	-	-	-	-	-
Eating and drinking places	58	6,062.1	6,164.2	6,148.5	6,195.6	6,311.5	5,497.3	5,596.2	5,562.9	5,605.9	-
Miscellaneous retail	59	2,475.9	2,466.7	2,570.2	2,531.1	-	2,078.4	2,066.9	2,160.8	2,120.1	-
Drug stores and proprietary stores	591	598.4	600.2	621.2	617.5	-	507.6	508.6	523.5	519.1	-
Liquor stores	592	121.4	122.4	124.6	123.6	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	871.6	867.3	940.1	890.7	-	726.4	721.4	790.1	740.7	-
Sporting goods and bicycle shops	5941	157.7	158.2	169.9	164.4	-	-	-	-	-	-
Book stores	5942	92.7	91.6	100.5	96.0	-	-	-	-	-	-
Stationery stores	5943	85.4	85.3	88.0	87.3	-	-	-	-	-	-
Jewelry stores	5944	159.4	158.9	168.3	161.1	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	177.8	177.4	188.5	182.6	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	64.7	65.0	65.6	64.0	-	-	-	-	-	-
Nonstore retailers	596	271.8	271.5	256.2	252.2	-	241.2	240.8	226.9	222.4	-
Mail order houses	5961	133.2	132.8	128.4	123.0	-	-	-	-	-	-
Merchandising machine operators	5962	86.0	86.3	84.6	84.6	-	-	-	-	-	-
Fuel and ice dealers	598	120.0	119.1	125.8	123.7	-	100.6	99.7	105.9	103.7	-
Retail stores, nec	599	411.2	403.0	412.7	432.6	-	337.0	329.1	338.5	358.8	-
Finance, insurance, and real estate³		6,698	6,723	6,834	6,849	6,873	4,832	4,851	4,956	4,964	4,989
Finance		3,298	3,306	3,346	3,354	3,355	-	-	-	-	-
Banking	60	1,747.9	1,754.2	1,792.6	1,793.2	-	1,242.5	1,247.3	1,273.9	1,273.9	-
Commercial and stock savings banks	602	1,556.9	1,560.9	1,576.8	1,575.7	-	1,103.5	1,106.8	1,118.5	1,117.5	-
State banks, Federal Reserve	6022	313.4	314.0	315.8	315.1	-	-	-	-	-	-
State banks, not Federal Reserve	6023.4	362.7	364.0	369.4	368.6	-	-	-	-	-	-
Mutual savings banks	603	80.0	80.2	79.8	79.0	-	-	-	-	-	-
Credit agencies other than banks	61	904.7	905.9	908.4	908.4	-	674.8	676.1	685.8	684.7	-
Savings and loan associations	612	403.8	403.2	396.9	396.1	-	304.9	304.6	302.1	301.1	-
Federal savings and loan associations	6122	233.2	233.3	229.6	229.1	-	-	-	-	-	-
State associations, insured	6123	165.4	164.7	162.3	162.1	-	-	-	-	-	-
Personal credit institutions	614	262.4	264.6	271.3	271.8	-	203.9	205.9	210.7	210.7	-
Business credit institutions	615	64.1	64.6	71.2	71.6	-	-	-	-	-	-
Mortgage bankers and brokers	616	151.8	151.0	147.7	147.6	-	-	-	-	-	-
Security, commodity brokers, and services	62	437.3	437.2	431.5	433.4	-	-	-	-	-	-
Security brokers and dealers	621	340.9	340.8	328.8	329.5	-	-	-	-	-	-
Holding and other investment offices	67	207.9	208.5	213.7	218.6	-	-	-	-	-	-
Insurance		2,114	2,115	2,148	2,153	2,162	-	-	-	-	-
Insurance carriers	63	1,458.4	1,459.8	1,485.8	1,488.6	-	970.6	969.9	994.0	995.7	-
Life insurance	631	577.3	576.4	578.2	579.0	-	344.9	344.2	356.2	355.3	-
Medical service and health insurance	632	229.3	229.8	241.2	242.4	-	185.7	186.2	193.2	193.9	-
Fire, marine, and casualty insurance	633	542.5	543.8	550.3	550.6	-	357.2	356.2	355.0	356.6	-
Title insurance	636	57.7	57.8	62.4	63.0	-	-	-	-	-	-
Insurance agents, brokers, and service	64	655.2	655.0	662.4	664.4	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,286	1,302	1,340	1,342	1,356	-	-	-	-	-
Real estate	65	1,277.0	1,292.6	1,331.6	1,332.8	-	-	-	-	-	-
Real estate operators and lessors	651	552.9	562.7	582.7	582.5	-	-	-	-	-	-
Real estate agents and managers	653	532.9	533.9	546.9	546.5	-	-	-	-	-	-
Subdividers and developers	655	159.6	164.4	168.7	170.2	-	-	-	-	-	-
Combined real estate, insurance, etc	66	9.0	9.0	8.8	8.9	-	-	-	-	-	-
Services		26,155	26,414	27,061	27,401	27,646	22,846	23,081	23,542	23,863	24,082
Hotels and other lodging places	70	1,515.7	1,541.8	1,526.9	1,539.8	-	-	-	-	-	-
Hotels, motels, and tourist courts	701	1,477.9	1,501.4	1,483.8	1,495.0	-	1,311.6	1,332.1	1,311.0	1,321.7	-
Personal services	72	1,220.6	1,226.5	1,243.3	1,282.0	-	-	-	-	-	-
Laundry, cleaning, and garment services	721	408.6	408.7	412.5	411.2	-	362.5	362.6	366.3	365.1	-
Photographic studios, portrait	722	55.0	55.6	59.3	59.8	-	-	-	-	-	-
Beauty shops	723	366.0	366.8	371.0	372.9	-	326.2	326.9	330.8	332.7	-
Funeral service and crematories	726	80.1	80.6	83.1	83.4	-	-	-	-	-	-
Business services	73	5,634.8	5,678.2	5,785.2	5,801.6	5,842.8	4,804.1	4,841.0	4,903.3	4,915.8	-
Advertising	731	251.2	252.4	258.5	259.2	-	185.2	186.1	188.2	187.5	-
Advertising agencies	7311	182.4	183.2	186.3	186.7	-	-	-	-	-	-
Credit reporting and collection	732	93.1	93.6	95.2	95.6	-	-	-	-	-	-
Mailing, reproduction, and stenographic	733	233.1	236.6	263.6	265.3	-	-	-	-	-	-
Services to buildings	734	794.8	799.4	802.0	800.5	-	720.8	724.5	725.1	723.2	-
Personnel supply services	736	1,310.4	1,325.9	1,286.0	1,288.3	-	-	-	-	-	-
Employment agencies	7361	213.6	214.1	209.3	211.1	-	-	-	-	-	-
Temporary help supply services	7362	993.2	1,008.1	974.2	975.7	-	-	-	-	-	-
Computer and data processing services	737	733.2	743.8	803.9	806.1	-	569.0	577.5	623.2	624.4	-
Computer programming and software	7372	335.0	339.6	376.4	378.2	-	-	-	-	-	-
Data processing services	7374	276.9	280.7	297.6	297.7	-	-	-	-	-	-
Miscellaneous business services	739	2,206.2	2,213.8	2,262.4	2,273.1	-	-	-	-	-	-
Research development laboratories, nec	7391	216.1	216.3	219.7	220.6	-	-	-	-	-	-
Management and public relations	7392	540.2	546.9	551.6	556.8	-	-	-	-	-	-
Detective and protective services	7393	467.3	466.2	475.5	477.8	-	-	-	-	-	-
Equipment rental and leasing	7394	265.6	265.6	274.1	275.4	-	-	-	-	-	-
Photofinishing laboratories	7395	79.8	79.1	81.3	78.9	-	-	-	-	-	-
Auto repair, services, and garages	75	874.1	883.2	923.7	924.7	-	720.4	728.5	761.7	761.5	-
Automotive rentals, without drivers	751	174.8	177.9	192.5	193.1	-	-	-	-	-	-
Automotive repair shops	753	504.6	507.8	532.9	534.7	-	413.8	416.1	435.9	436.4	-
Miscellaneous repair services	76	350.8	352.3	363.4	364.7	-	285.0	285.8	297.6	298.5	-
Electrical repair shops	762	115.7	116.7	128.6	129.8	-	-	-	-	-	-
Motion pictures	78	248.5	253.0	263.6	266.1	-	210.0	214.7	220.7	221.8	-
Motion picture production and services	781	131.9	134.9	141.4	146.9	-	108.0	111.3	113.6	117.5	-
Motion picture theaters	783	98.2	100.7	105.2	101.7	-	-	-	-	-	-
Amusement and recreation services	79	839.2	880.8	857.9	879.8	-	724.8	764.0	735.1	756.9	-
Health services	80	7,424.1	7,480.1	7,910.6	7,965.1	8,019.1	6,599.2	6,651.9	7,021.4	7,062.5	-
Offices of physicians	801	1,168.3	1,177.2	1,259.3	1,269.1	-	958.6	966.6	1,025.7	1,024.7	-
Offices of dentists	802	500.2	505.4	523.4	525.2	-	436.7	441.4	458.4	460.6	-
Nursing and personal care facilities	805	1,351.4	1,359.6	1,422.9	1,432.2	-	1,221.2	1,228.7	1,283.6	1,292.7	-
Skilled nursing care facilities	8051	935.0	941.4	984.2	990.8	-	-	-	-	-	-
Nursing and personal care, nec	8059	416.4	418.2	438.7	441.4	-	-	-	-	-	-
Hospitals	806	3,412.0	3,431.2	3,595.2	3,612.2	-	3,120.2	3,139.4	3,287.6	3,303.0	-
General medical and surgical hospitals	8062	3,156.1	3,173.6	3,330.4	3,345.1	-	-	-	-	-	-
Psychiatric hospitals	8063	95.0	95.6	96.4	97.1	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric	8069	160.9	162.0	168.4	170.0	-	-	-	-	-	-
Medical and dental laboratories	807	161.7	163.9	181.5	183.0	-	-	-	-	-	-
Outpatient care facilities	808	294.7	300.5	349.5	355.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P
Services—Continued											
Legal services	81	871.2	878.5	916.9	920.4	-	728.2	732.6	756.7	760.7	-
Educational services	82	1,702.2	1,707.5	1,629.5	1,750.4	-	-	-	-	-	-
Elementary and secondary schools	821	410.0	409.4	411.7	414.5	-	-	-	-	-	-
Colleges and universities	822	1,062.8	1,063.9	978.5	1,089.6	-	-	-	-	-	-
Correspondence and vocational schools	824	103.7	105.3	103.1	105.7	-	-	-	-	-	-
Social services	83	1,689.7	1,705.9	1,806.9	1,826.2	-	-	-	-	-	-
Individual and family services	832	346.1	348.4	358.8	363.0	-	-	-	-	-	-
Job training and related services	833	236.3	237.7	241.2	242.5	-	-	-	-	-	-
Residential care	836	410.7	413.5	447.7	451.4	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	48.5	50.3	48.7	49.2	-	-	-	-	-	-
Membership organizations	86	1,732.3	1,740.1	1,739.1	1,760.2	-	-	-	-	-	-
Business associations	861	99.9	100.3	99.5	99.8	-	-	-	-	-	-
Labor organizations	863	132.9	136.2	130.7	135.4	-	-	-	-	-	-
Civic and social associations	864	384.0	387.5	389.1	403.3	-	-	-	-	-	-
Miscellaneous services	89	1,447.6	1,458.1	1,482.7	1,506.5	-	1,159.4	1,168.6	1,171.0	1,197.6	-
Engineering and architectural services	891	733.4	737.6	759.2	761.0	-	607.1	609.8	626.7	626.1	-
Noncommercial research organizations	892	139.6	143.4	149.7	152.0	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	541.1	542.7	534.7	553.6	-	417.1	419.8	407.1	420.9	-
Government		17,879	17,965	17,943	18,291	18,461	-	-	-	-	-
Federal Government⁴		2,969	2,976	2,980	2,991	3,062	-	-	-	-	-
Executive, by agency ⁴		2,910.3	2,917.6	2,920.6	-	-	-	-	-	-	-
Department of Defense		962.6	965.0	972.6	-	-	-	-	-	-	-
Postal Service ²		840.2	841.7	819.5	-	-	-	-	-	-	-
Other executive agencies		1,107.5	1,110.9	1,128.5	-	-	-	-	-	-	-
Legislative		37.4	37.5	37.5	-	-	-	-	-	-	-
Judicial		21.2	21.2	21.7	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		123.5	123.8	124.2	123.8	-	-	-	-	-	-
Shipbuilding and repairing	3731	74.2	74.4	73.6	73.4	-	-	-	-	-	-
Transportation and public utilities, except Postal											
Service		38.3	37.5	38.9	40.0	-	-	-	-	-	-
Services		431.6	430.8	435.5	435.5	-	-	-	-	-	-
Hospitals	806	248.3	248.2	251.8	252.0	-	-	-	-	-	-
State government		4,189	4,213	4,140	4,281	4,300	-	-	-	-	-
Hospitals	806	447.6	447.7	450.5	451.0	-	-	-	-	-	-
Education	82	1,727.7	1,746.2	1,620.7	1,749.4	-	-	-	-	-	-
General administration, including executive,											
legislative, and judicial functions		1,490.1	1,494.0	1,539.9	1,551.2	-	-	-	-	-	-
Local government		10,721	10,776	10,823	11,019	11,099	-	-	-	-	-
Transportation and public utilities		490.4	491.3	495.6	490.6	-	-	-	-	-	-
Hospitals	806	636.3	638.6	668.4	672.5	-	-	-	-	-	-
Education	82	6,131.7	6,171.3	6,106.1	6,295.3	-	-	-	-	-	-
General administration, including executive,											
legislative, and judicial functions		3,127.9	3,139.0	3,215.7	3,225.4	-	-	-	-	-	-

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

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

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

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

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

⁵ Includes rural mail carriers.

- Data not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989	Jan. 1990
Total	50,712	49,798	52,017	52,234	51,301
Total private	41,455	40,677	42,453	42,704	41,888
Goods-producing	7,123	7,078	7,184	7,141	7,038
Mining	97	96	97	98	98
Construction	560	553	588	585	577
Manufacturing	6,466	6,429	6,499	6,458	6,363
Durable goods	3,115	3,102	3,089	3,076	3,028
Lumber and wood products	125	124	123	123	121
Furniture and fixtures	167	167	166	165	164
Stone, clay, and glass products	123	121	124	123	120
Primary metal industries	107	107	106	106	104
Fabricated metal products	329	329	323	321	314
Machinery, except electrical	469	471	473	474	471
Electrical and electronic equipment	873	865	839	831	825
Transportation equipment	407	407	410	414	394
Instruments and related products	336	337	340	340	338
Miscellaneous manufacturing	179	174	186	181	178
Nondurable goods	3,351	3,327	3,410	3,382	3,335
Food and kindred products	529	512	559	544	524
Tobacco manufactures	20	19	18	18	18
Textile mill products	350	349	352	348	344
Apparel and other textile products	869	866	865	858	846
Paper and allied products	171	169	174	173	170
Printing and publishing	695	696	715	717	714
Chemicals and allied products	315	316	327	330	329
Petroleum and coal products	25	25	26	26	26
Rubber and misc. plastics products	293	292	291	289	285
Leather and leather products	84	83	82	80	79
Service-producing	43,589	42,720	44,833	45,093	44,263
Transportation and public utilities	1,631	1,621	1,661	1,699	1,687
Wholesale trade	1,857	1,843	1,932	1,934	1,916
Retail trade	10,713	10,148	10,709	10,909	10,337
Finance, insurance, and real estate	4,222	4,206	4,310	4,330	4,321
Services	15,909	15,781	16,657	16,691	16,589
Government	9,257	9,121	9,564	9,530	9,413
Federal	1,062	1,055	1,060	1,060	1,065
State	2,061	2,004	2,116	2,091	2,047
Local	6,134	6,062	6,388	6,379	6,301

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1988 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	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total	107,888	108,101	108,310	108,607	108,767	108,887	109,096	109,171	109,452	109,570	109,931	110,287	110,313
Total private	90,291	90,475	90,623	90,884	91,016	91,083	91,230	91,328	91,622	91,699	91,975	92,289	92,240
Goods-producing	25,646	25,671	25,672	25,648	25,669	25,694	25,614	25,603	25,609	25,532	25,518	25,682	25,586
Mining	714	720	722	715	706	729	730	731	737	739	745	749	748
Oil and gas extraction	397	400	401	402	404	405	408	409	414	416	417	422	421
Construction	5,252	5,279	5,283	5,283	5,314	5,321	5,325	5,335	5,355	5,304	5,418	5,482	5,418
General building contractors	1,380	1,377	1,388	1,384	1,391	1,403	1,396	1,386	1,391	1,388	1,425	1,435	1,413
Manufacturing	19,680	19,672	19,667	19,650	19,649	19,644	19,559	19,537	19,577	19,489	19,355	19,451	19,420
Durable goods	11,604	11,600	11,594	11,567	11,549	11,551	11,480	11,457	11,439	11,409	11,287	11,397	11,380
Lumber and wood products	777	772	771	769	767	763	759	764	765	765	770	765	763
Furniture and fixtures	535	537	534	534	536	529	528	525	525	523	522	522	522
Stone, clay, and glass products	607	606	604	603	602	601	597	600	602	600	601	602	600
Primary metal industries	788	788	787	787	785	786	777	776	772	771	764	768	763
Blast furnaces and basic steel products	276	275	276	276	277	276	273	271	269	270	270	269	266
Fabricated metal products	1,457	1,454	1,452	1,449	1,446	1,443	1,438	1,434	1,430	1,426	1,407	1,419	1,418
Machinery, except electrical	2,143	2,144	2,150	2,151	2,154	2,152	2,147	2,139	2,146	2,145	2,143	2,140	2,134
Electrical and electronic equipment	2,060	2,058	2,050	2,041	2,040	2,034	2,023	2,018	2,012	1,992	1,989	1,991	1,995
Transportation equipment	2,071	2,073	2,076	2,062	2,046	2,068	2,038	2,031	2,020	2,022	1,920	2,019	2,021
Motor vehicles and equipment	869	875	876	861	844	873	843	833	824	825	726	822	822
Instruments and related products	776	777	778	779	781	782	780	779	778	774	776	776	774
Miscellaneous manufacturing	390	391	392	392	392	393	393	391	389	391	395	395	390
Nondurable goods	8,076	8,072	8,073	8,083	8,100	8,093	8,079	8,080	8,073	8,080	8,068	8,054	8,040
Food and kindred products	1,655	1,657	1,656	1,663	1,678	1,667	1,674	1,676	1,673	1,676	1,676	1,675	1,668
Tobacco manufactures	56	54	53	52	53	52	51	51	51	51	51	51	50
Textile mill products	729	728	728	729	730	727	723	724	721	719	718	714	712
Apparel and other textile products	1,101	1,098	1,095	1,093	1,094	1,095	1,088	1,084	1,084	1,081	1,073	1,064	1,058
Paper and allied products	697	696	697	697	701	700	697	697	697	697	697	698	696
Printing and publishing	1,600	1,601	1,603	1,607	1,609	1,611	1,612	1,612	1,617	1,621	1,624	1,624	1,627
Chemicals and allied products	1,088	1,090	1,094	1,096	1,091	1,097	1,095	1,096	1,098	1,103	1,104	1,106	1,104
Petroleum and coal products	161	162	162	163	163	163	163	164	164	163	163	165	165
Rubber and misc. plastics products	845	843	843	841	841	841	837	837	835	832	826	821	824
Leather and leather products	144	143	142	142	140	140	139	139	138	137	136	136	136
Service-producing	82,242	82,430	82,638	82,959	83,098	83,193	83,482	83,568	83,843	84,038	84,413	84,605	84,727
Transportation and public utilities	5,666	5,682	5,700	5,716	5,736	5,618	5,709	5,729	5,753	5,834	5,850	5,863	5,866
Transportation	3,452	3,467	3,484	3,500	3,524	3,539	3,546	3,566	3,592	3,613	3,635	3,648	3,653
Communication and public utilities	2,214	2,215	2,216	2,216	2,212	2,079	2,163	2,163	2,161	2,221	2,215	2,215	2,213
Wholesale trade	6,197	6,206	6,222	6,230	6,237	6,256	6,264	6,278	6,300	6,311	6,332	6,331	6,343
Durable goods	3,676	3,676	3,685	3,693	3,700	3,708	3,717	3,721	3,737	3,746	3,754	3,758	3,763
Nondurable goods	2,521	2,530	2,537	2,537	2,537	2,548	2,547	2,557	2,563	2,565	2,578	2,573	2,580
Retail trade	19,488	19,489	19,528	19,551	19,586	19,621	19,632	19,679	19,744	19,718	19,822	19,793	19,766
General merchandise stores	2,490	2,492	2,491	2,493	2,482	2,484	2,486	2,478	2,492	2,470	2,491	2,466	2,459
Food stores	3,223	3,233	3,245	3,262	3,274	3,293	3,294	3,321	3,334	3,341	3,361	3,360	3,362
Automotive dealers and service stations	2,155	2,159	2,159	2,155	2,155	2,152	2,157	2,169	2,169	2,163	2,170	2,171	2,167
Eating and drinking places	6,322	6,335	6,348	6,362	6,370	6,385	6,397	6,403	6,417	6,432	6,459	6,467	6,480
Finance, insurance, and real estate	6,774	6,776	6,790	6,808	6,815	6,836	6,852	6,851	6,871	6,885	6,896	6,914	6,922
Finance	3,316	3,312	3,320	3,320	3,324	3,336	3,343	3,345	3,357	3,360	3,353	3,364	3,362
Insurance	2,117	2,119	2,123	2,129	2,131	2,137	2,137	2,134	2,138	2,144	2,152	2,155	2,164
Real estate	1,341	1,345	1,347	1,359	1,360	1,363	1,372	1,372	1,376	1,381	1,391	1,395	1,396
Services	26,520	26,651	26,711	26,931	26,973	27,058	27,159	27,188	27,345	27,419	27,557	27,706	27,757
Business services	5,736	5,760	5,776	5,799	5,786	5,800	5,836	5,827	5,852	5,852	5,885	5,902	5,908
Health services	7,488	7,528	7,570	7,616	7,648	7,695	7,739	7,778	7,839	7,884	7,934	7,981	8,027
Government	17,597	17,626	17,687	17,723	17,751	17,804	17,866	17,843	17,830	17,871	17,956	17,998	18,073
Federal	2,982	2,982	2,999	2,995	3,000	2,999	2,996	2,984	2,982	2,974	2,998	3,006	3,058
State	4,102	4,111	4,119	4,136	4,145	4,154	4,182	4,153	4,162	4,156	4,178	4,189	4,187
Local	10,513	10,533	10,569	10,592	10,606	10,651	10,688	10,706	10,686	10,741	10,780	10,803	10,828

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 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	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total	50,130	50,302	50,414	50,515	50,670	50,894	51,023	51,124	51,247	51,212	51,375	51,476	51,643
Total private	41,093	41,239	41,340	41,418	41,530	41,717	41,794	41,832	41,950	41,957	42,125	42,191	42,312
Goods-producing	7,141	7,152	7,159	7,161	7,166	7,165	7,176	7,167	7,147	7,142	7,138	7,130	7,100
Mining	97	97	97	97	97	99	98	99	98	98	97	98	99
Construction	566	571	571	573	577	577	577	580	581	586	584	587	591
Manufacturing	6,478	6,484	6,491	6,491	6,492	6,489	6,501	6,488	6,468	6,458	6,457	6,445	6,410
Durable goods	3,113	3,111	3,109	3,111	3,108	3,103	3,103	3,099	3,084	3,072	3,071	3,064	3,036
Lumber and wood products	127	127	127	126	126	125	124	124	123	123	123	124	124
Furniture and fixtures	166	166	167	167	167	167	169	165	165	163	165	163	163
Stone, clay, and glass products	123	123	123	124	124	123	123	123	122	123	124	123	122
Primary metal industries	108	107	108	108	108	108	107	108	107	106	106	106	104
Fabricated metal products	330	329	328	327	327	326	327	325	324	322	321	319	314
Machinery, except electrical	471	471	471	471	472	474	475	475	474	472	473	473	470
Electrical and electronic equipment	864	863	860	859	853	850	847	846	840	835	832	825	824
Transportation equipment	407	407	408	409	410	409	407	410	406	407	408	411	393
Instruments and related products	337	337	337	338	339	338	341	340	340	340	339	338	338
Miscellaneous manufacturing	180	181	180	182	182	183	183	183	183	181	180	182	184
Nondurable goods	3,365	3,373	3,382	3,380	3,384	3,386	3,398	3,389	3,384	3,386	3,386	3,381	3,374
Food and kindred products	536	537	537	537	537	540	551	540	549	548	548	546	548
Tobacco manufactures	18	19	19	18	17	17	18	18	17	17	17	17	17
Textile mill products	352	352	354	353	353	353	353	352	350	352	350	348	347
Apparel and other textile products	871	874	877	875	873	871	870	869	863	860	860	858	852
Paper and allied products	171	171	171	171	171	172	173	174	172	173	172	172	172
Printing and publishing	697	698	700	702	706	708	709	710	708	709	713	715	715
Chemicals and allied products	318	319	321	322	325	325	324	326	326	327	328	331	331
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rubber and misc. plastics products	292	292	293	292	292	291	292	292	291	291	290	287	285
Leather and leather products	84	85	84	84	84	83	82	82	82	82	81	80	80
Service-producing	42,989	43,150	43,255	43,354	43,504	43,729	43,847	43,957	44,100	44,070	44,237	44,346	44,543
Transportation and public utilities	1,626	1,630	1,629	1,628	1,635	1,645	1,652	1,585	1,633	1,642	1,651	1,689	1,694
Wholesale trade	1,854	1,862	1,866	1,876	1,888	1,893	1,899	1,905	1,907	1,907	1,919	1,922	1,928
Retail trade	10,287	10,318	10,336	10,337	10,373	10,387	10,407	10,444	10,438	10,428	10,458	10,429	10,473
Finance, insurance, and real estate	4,227	4,242	4,249	4,247	4,257	4,271	4,278	4,292	4,310	4,308	4,319	4,330	4,343
Services	15,958	16,035	16,101	16,169	16,211	16,356	16,382	16,439	16,515	16,530	16,640	16,691	16,774
Government	9,037	9,063	9,074	9,097	9,140	9,177	9,229	9,292	9,297	9,255	9,250	9,285	9,331
Federal	1,063	1,064	1,064	1,064	1,070	1,070	1,071	1,070	1,067	1,064	1,064	1,062	1,074
State	2,012	2,017	2,020	2,023	2,034	2,043	2,048	2,050	2,063	2,045	2,050	2,042	2,055
Local	5,962	5,982	5,990	6,010	6,036	6,064	6,110	6,172	6,167	6,146	6,136	6,181	6,202

¹ This series is 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.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total private	73,101	73,204	73,315	73,555	73,670	73,741	73,837	73,897	74,174	74,224	74,472	74,683	74,648
Goods-producing	18,052	18,053	18,058	18,022	18,047	18,071	17,987	17,978	17,975	17,908	17,906	18,040	17,954
Mining	514	519	521	511	503	525	525	527	530	531	537	540	538
Construction	4,096	4,104	4,111	4,111	4,134	4,145	4,143	4,144	4,169	4,115	4,241	4,281	4,224
Manufacturing	13,442	13,430	13,426	13,400	13,410	13,401	13,319	13,307	13,276	13,262	13,128	13,219	13,192
Durable goods	7,749	7,744	7,735	7,706	7,697	7,696	7,632	7,615	7,594	7,579	7,456	7,563	7,553
Lumber and wood products	646	642	641	638	636	633	629	633	633	632	637	632	630
Furniture and fixtures	428	428	427	426	427	421	420	418	417	415	414	414	414
Stone, clay, and glass products	472	471	469	468	468	467	463	466	467	465	467	467	465
Primary metal industries	603	603	601	602	601	600	593	590	586	587	580	584	580
Blast furnaces and basic steel products	213	211	210	211	211	214	212	209	207	209	208	207	202
Fabricated metal products	1,086	1,080	1,079	1,074	1,073	1,069	1,062	1,061	1,056	1,055	1,035	1,046	1,045
Machinery, except electrical	1,298	1,298	1,302	1,303	1,309	1,304	1,299	1,293	1,300	1,299	1,300	1,299	1,291
Electrical and electronic equipment	1,214	1,213	1,205	1,198	1,199	1,195	1,189	1,184	1,181	1,170	1,169	1,170	1,178
Transportation equipment	1,292	1,297	1,297	1,284	1,270	1,291	1,262	1,255	1,243	1,244	1,136	1,235	1,238
Motor vehicles and equipment	675	680	681	667	650	677	648	638	629	631	531	629	628
Instruments and related products	427	428	430	429	431	430	431	431	429	427	429	428	428
Miscellaneous manufacturing	283	284	284	284	283	286	284	284	282	285	289	288	284
Nondurable goods	5,693	5,686	5,691	5,694	5,713	5,705	5,687	5,692	5,682	5,683	5,672	5,656	5,639
Food and kindred products	1,182	1,184	1,184	1,190	1,205	1,197	1,203	1,205	1,200	1,201	1,205	1,201	1,196
Tobacco manufactures	41	40	38	38	39	39	38	38	38	38	39	38	37
Textile mill products	630	630	630	630	631	627	623	625	622	621	618	614	611
Apparel and other textile products	930	927	925	922	922	922	917	914	913	912	903	895	887
Paper and allied products	525	524	525	525	528	528	524	526	526	526	526	526	525
Printing and publishing	891	889	891	892	893	894	892	892	896	900	903	906	906
Chemicals and allied products	610	609	614	616	614	617	614	617	617	619	618	618	617
Petroleum and coal products	105	105	106	107	107	107	107	107	107	106	106	108	108
Rubber and misc. plastics products	660	660	660	656	657	658	653	653	649	647	641	637	639
Leather and leather products	119	118	118	118	117	116	116	115	114	113	113	113	113
Service-producing	55,049	55,151	55,257	55,533	55,623	55,670	55,850	55,919	56,199	56,316	56,566	56,643	56,694
Transportation and public utilities	4,718	4,735	4,752	4,763	4,779	4,665	4,758	4,782	4,800	4,880	4,888	4,898	4,909
Wholesale trade	4,990	4,996	5,007	5,016	5,021	5,038	5,037	5,053	5,066	5,071	5,096	5,090	5,093
Retail trade	17,244	17,235	17,280	17,317	17,338	17,388	17,391	17,383	17,490	17,456	17,544	17,498	17,474
Finance, insurance, and real estate	4,900	4,902	4,918	4,933	4,944	4,954	4,969	4,972	4,985	4,995	5,016	5,029	5,039
Services	23,197	23,283	23,300	23,504	23,541	23,625	23,695	23,729	23,858	23,914	24,022	24,128	24,179

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED**

B-7. Diffusion indexes of employment change, seasonally adjusted

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Private nonagricultural payrolls, 349 industries ¹												
Over 1-month span:												
1988	60.7	63.5	63.0	62.8	61.3	67.2	63.6	58.0	55.4	63.9	68.2	64.6
1989	68.3	60.5	61.0	58.2	55.6	59.7	55.6	57.4	47.9	55.3	60.9	51.9
1990	58.5	^P 57.4	^P 51.3									
Over 3-month span:												
1988	64.8	65.6	69.5	70.2	71.1	71.9	71.2	64.2	65.3	70.1	73.4	74.6
1989	71.6	70.1	64.5	61.9	61.6	60.7	61.6	53.4	54.6	55.7	57.2	60.2
1990	^P 57.9	^P 59.6										
Over 6-month span:												
1988	69.9	70.2	71.5	73.9	73.9	69.1	70.2	74.6	73.5	73.9	74.5	75.8
1989	75.1	69.5	68.2	66.0	63.0	57.9	57.7	60.2	53.4	58.3	^P 59.2	^P 61.7
1990												
Over 12-month span:												
1988	76.2	76.1	74.8	74.6	75.8	74.9	78.1	75.5	75.5	74.8	74.9	74.1
1989	73.2	73.6	69.6	67.6	66.6	62.6	63.6	^P 63.5	^P 60.6			
1990												
Manufacturing payrolls, 141 industries ¹												
Over 1-month span:												
1988	58.5	56.0	55.0	59.9	58.5	61.7	59.6	51.1	49.3	62.8	64.9	58.5
1989	62.4	53.5	53.2	49.6	46.8	48.6	49.6	45.4	34.8	52.1	48.2	44.7
1990	45.4	^P 49.3	^P 46.1									
Over 3-month span:												
1988	63.1	61.0	62.4	64.9	67.4	67.0	64.5	58.2	62.1	66.7	71.3	70.9
1989	67.4	63.8	55.7	51.8	49.3	48.6	47.9	34.0	41.8	41.5	46.5	41.1
1990	^P 42.6	^P 44.3										
Over 6-month span:												
1988	66.3	66.3	67.7	69.5	66.7	64.2	66.0	70.9	68.8	69.9	71.6	74.1
1989	69.5	58.5	55.7	52.8	48.9	39.0	40.1	41.8	34.4	37.9	^P 41.1	^P 46.5
1990												
Over 12-month span:												
1988	73.8	70.2	70.9	71.6	72.0	69.9	70.9	69.1	71.6	70.2	69.9	67.0
1989	63.1	63.8	57.1	53.5	49.6	42.9	43.3	^P 41.8	^P 37.2			
1990												

¹ Based on seasonally adjusted data for 1-, 3-, and 6-month spans and unadjusted data for the 12-month span. Data are centered within the span.

^P = preliminary.

NOTE: Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment, where 50 percent

indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1988) and all seasonally adjusted data (beginning January 1985) are subject to revision.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a
Alabama	1,570.8	1,590.8	1,588.7	11.5	11.8	11.7	71.6	76.2	76.5
Birmingham	404.6	409.8	412.5	5.5	5.5	5.4	21.9	22.4	22.6
Huntsville	128.7	132.3	132.5	(¹)	(¹)	(¹)	4.6	4.8	4.9
Mobile	166.7	170.4	170.9	(¹)	(¹)	(¹)	9.6	10.1	10.0
Montgomery	131.7	132.9	133.4	(¹)	(¹)	(¹)	7.4	6.6	6.7
Tuscaloosa	62.2	64.0	62.0	2.7	2.6	2.6	3.1	3.8	4.0
Alaska	207.1	213.0	217.7	9.5	9.9	10.6	6.6	7.0	7.0
Arizona	1,450.1	1,481.6	1,497.8	12.1	12.7	12.7	84.7	81.1	80.1
Phoenix	959.0	979.9	988.9	.9	1.0	1.1	58.5	54.4	53.6
Tucson	252.0	251.6	255.1	2.1	2.2	2.2	15.0	14.2	14.2
Arkansas	867.3	888.5	895.6	4.0	4.1	4.0	27.8	30.1	29.9
Fayetteville-Springdale	51.8	53.3	54.3	(¹)	(¹)	(¹)	1.5	1.5	1.5
Fort Smith	76.7	77.1	77.8	.9	1.0	.0	2.2	2.5	2.5
Little Rock-North Little Rock	238.8	245.6	246.8	.4	.3	.4	8.3	9.4	9.1
Pine Bluff	33.2	33.2	33.3	(¹)	(¹)	(¹)	1.2	1.3	1.3
California	12,330.9	12,578.7	12,639.3	40.8	41.2	41.2	599.6	634.9	634.5
Anaheim-Santa Ana	1,175.9	1,195.8	1,203.1	1.4	1.4	1.4	68.4	70.9	70.1
Bakersfield	164.2	167.7	168.5	13.5	13.7	13.8	10.2	10.9	10.7
Fresno	209.4	220.3	221.2	.7	.7	.7	11.3	13.6	13.7
Los Angeles-Long Beach	4,177.3	4,244.3	4,273.8	8.8	9.4	9.4	145.9	155.6	155.4
Modesto	108.0	113.9	113.8	.1	.1	.1	7.2	7.5	7.7
Oakland	866.4	894.8	898.5	4.0	4.1	4.2	50.0	53.2	52.4
Oxnard-Ventura	219.4	226.7	227.5	2.3	2.3	2.3	15.3	17.0	17.1
Riverside-San Bernardino	662.2	703.5	705.6	1.4	1.4	1.4	58.9	65.5	65.7
Sacramento	585.3	608.7	609.7	.6	.8	.7	32.1	34.9	35.2
San Diego	940.8	978.3	984.4	.8	.8	.8	60.2	62.3	63.1
San Francisco	941.7	958.5	959.7	.6	.6	.6	32.4	33.4	33.5
San Jose	820.6	823.2	825.0	.2	.2	.2	31.4	32.7	32.4
Santa Barbara-Santa Maria-Lompoc	148.6	149.7	150.4	1.4	1.4	1.4	6.6	6.9	6.9
Santa Rosa-Petaluma	130.3	138.7	138.9	.6	.7	.7	9.0	10.7	10.7
Stockton	146.5	148.3	150.8	.1	.1	.1	7.9	8.4	8.3
Vallejo-Fairfield-Napa	128.7	134.5	135.4	.5	.7	.7	8.6	9.7	9.7
Colorado	1,446.8	1,468.8	1,473.3	19.2	19.6	19.4	50.1	54.4	53.6
Boulder-Longmont	111.7	113.4	113.7	(¹)	(¹)	(¹)	3.2	3.8	3.7
Denver	803.4	813.4	813.8	11.7	11.6	11.6	27.5	29.8	29.4
Connecticut	1,658.4	1,667.4	1,661.7	1.1	1.0	1.0	69.3	65.7	63.1
Bridgeport-Milford	197.2	196.8	195.0	(²)	(²)	(²)	7.6	7.8	7.6
Hartford	480.9	490.0	486.0	(¹)	(¹)	(¹)	17.9	18.8	17.9
New Britain	66.8	65.6	65.4	(²)	(²)	(²)	4.2	3.1	3.0
New Haven-Meriden	256.3	254.7	255.0	(¹)	(¹)	(¹)	12.1	10.5	10.4
Stamford	123.6	124.1	122.5	(¹)	(¹)	(¹)	4.8	4.7	4.5
Waterbury	86.7	88.5	87.6	(²)	(²)	(²)	3.9	3.9	3.6
Delaware	335.0	339.1	342.1	.1	.1	.1	19.3	18.4	18.3
Wilmington	288.9	293.4	295.8	.2	.2	.2	16.9	16.6	16.8
District of Columbia	671.0	680.5	683.8	.1	.1	.1	13.5	13.8	13.9
Washington MSA	2,185.5	2,230.7	2,232.7	1.0	1.1	1.1	141.2	139.4	138.8
Florida	5,234.9	5,396.1	5,443.8	9.3	9.5	9.5	338.3	337.9	337.5
Daytona Beach	122.4	121.5	124.0	(²)	(²)	(²)	8.1	8.2	8.0
Fort Lauderdale-Hollywood-Pompano Beach	505.8	520.0	521.7	.3	.3	.3	34.6	34.6	34.1
Fort Myers-Cape Coral	123.5	130.3	132.6	(²)	(²)	(²)	13.2	13.0	13.1
Jacksonville	407.6	420.8	423.0	.6	.7	.8	26.5	27.2	27.5
Melbourne-Titusville-Palm Bay	157.5	163.2	163.5	(²)	(²)	(²)	9.3	9.1	9.1
Miami-Hialeah	878.4	889.8	893.3	.9	.9	.9	39.8	40.5	40.5
Orlando	525.3	548.9	553.2	(²)	(²)	(²)	36.9	37.5	36.9
Pensacola	125.3	128.1	128.9	.4	.4	.4	7.6	8.2	8.4
Sarasota	112.7	116.9	117.9	(²)	(²)	(²)	10.3	10.3	10.2
Tallahassee	118.8	122.5	124.3	(²)	(²)	(²)	5.8	5.9	5.9
Tampa-St. Petersburg-Clearwater	858.4	879.0	884.0	.6	.6	.7	53.9	53.9	54.1
West Palm Beach-Boca Raton-Delray Beach	357.8	373.5	374.4	(²)	(²)	(²)	28.9	28.1	27.9

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Alabama	382.3	381.2	377.1	80.1	79.5	79.5	341.0	347.9	344.8
Birmingham	57.6	55.9	57.3	32.3	32.2	32.2	98.7	100.8	100.0
Huntsville	32.8	33.1	33.1	2.9	2.9	2.9	24.2	25.2	25.1
Mobile	25.5	26.3	26.6	10.2	9.9	10.0	44.6	46.7	46.3
Montgomery	19.3	18.1	17.9	5.1	5.2	5.1	30.0	30.9	30.4
Tuscaloosa	10.2	10.6	8.2	2.0	2.1	2.1	12.9	12.8	12.8
Alaska	12.1	11.3	12.3	16.4	17.9	18.0	40.2	42.4	42.2
Arizona	188.3	187.6	187.1	74.4	78.4	78.8	362.2	377.9	376.8
Phoenix	139.0	139.6	139.2	51.6	55.2	55.5	246.6	255.2	254.0
Tucson	29.3	26.5	26.5	9.1	9.4	9.4	57.5	59.8	59.9
Arkansas	227.1	227.9	227.3	52.6	54.4	54.4	195.1	204.5	204.3
Fayetteville-Springdale	12.8	13.4	13.5	5.0	4.9	4.9	11.7	12.1	12.1
Fort Smith	25.7	23.8	24.2	4.2	4.4	4.3	16.3	16.6	16.4
Little Rock-North Little Rock	33.3	33.5	33.4	16.1	16.2	16.2	57.6	60.6	60.5
Pine Bluff	6.5	6.4	6.3	2.7	2.7	2.6	7.2	7.4	7.4
California	2,143.8	2,124.9	2,132.7	591.0	600.4	600.9	2,910.5	2,990.1	2,981.6
Anaheim-Santa Ana	257.9	256.4	257.8	34.3	35.2	35.2	295.7	305.0	305.1
Bakersfield	10.6	10.3	10.3	7.8	8.1	8.2	38.9	39.6	39.5
Fresno	22.0	23.7	23.6	11.6	12.1	12.0	53.8	56.8	56.3
Los Angeles-Long Beach	894.5	877.0	886.3	210.3	214.7	214.7	947.1	970.2	968.7
Modesto	21.5	21.5	21.8	4.4	4.7	4.7	28.2	30.1	29.8
Oakland	112.7	114.5	115.1	56.3	60.2	60.1	211.4	220.9	218.3
Oxnard-Ventura	30.7	30.6	30.2	10.9	11.3	11.2	54.9	57.0	56.8
Riverside-San Bernardino	86.0	89.2	89.8	32.4	32.8	32.9	163.6	173.3	172.0
Sacramento	42.1	43.8	43.5	25.9	26.5	26.4	138.6	144.6	143.8
San Diego	133.0	136.3	136.0	35.2	35.9	35.9	228.6	239.4	239.5
San Francisco	81.5	82.1	81.8	74.8	78.1	78.4	213.2	217.8	215.5
San Jose	267.8	267.2	265.3	21.4	22.1	22.1	169.0	168.1	168.4
Santa Barbara-Santa Maria-Lompoc	22.5	22.3	22.4	5.3	5.4	5.4	34.0	34.6	34.2
Santa Rosa-Petaluma	20.2	20.9	21.0	5.9	6.3	6.3	33.1	36.2	35.7
Stockton	22.9	23.0	23.0	8.3	8.3	8.3	34.1	35.7	35.4
Vallejo-Fairfield-Napa	11.7	12.2	12.5	4.4	4.9	4.9	31.2	33.2	33.3
Colorado	189.9	194.5	194.3	91.7	92.8	92.8	354.2	357.8	353.6
Boulder-Longmont	30.5	31.2	30.8	2.4	2.4	2.4	23.2	23.6	23.4
Denver	94.5	95.4	95.4	66.6	67.6	67.7	196.8	199.4	195.5
Connecticut	366.0	357.2	354.9	71.5	71.5	70.9	373.0	382.5	376.9
Bridgeport-Milford	54.1	52.4	51.8	8.5	8.7	8.7	44.5	45.8	44.8
Hartford	87.4	86.7	86.1	18.1	19.2	19.0	103.7	105.9	103.0
New Britain	20.3	19.5	19.3	3.3	3.2	3.2	13.5	14.2	14.2
New Haven-Meriden	46.5	46.0	45.6	16.8	16.0	16.0	58.3	58.9	57.7
Stamford	22.4	20.2	19.8	5.5	5.7	5.8	29.6	30.6	29.8
Waterbury	23.3	22.5	22.9	3.4	3.4	3.4	17.4	18.4	17.7
Delaware	72.9	67.9	71.3	15.0	14.8	14.7	71.7	74.6	73.8
Wilmington	62.9	57.4	60.9	15.7	16.0	16.0	59.6	63.1	61.9
District of Columbia	15.6	16.0	16.0	24.5	24.6	24.7	62.0	62.5	62.7
Washington MSA	88.1	89.5	89.2	109.1	110.7	110.6	427.4	442.2	436.6
Florida	542.5	546.5	545.4	264.8	273.0	274.8	1,429.8	1,473.5	1,480.4
Daytona Beach	12.3	12.3	12.4	3.9	4.1	4.1	35.6	35.8	36.6
Fort Lauderdale-Hollywood-Pompano Beach	46.1	46.4	46.2	22.9	24.0	24.0	150.8	155.4	155.9
Fort Myers-Cape Coral	6.1	6.2	6.3	5.0	5.5	5.6	37.2	39.9	40.4
Jacksonville	37.8	38.5	38.9	27.8	28.9	28.9	108.8	113.3	113.2
Melbourne-Titusville-Palm Bay	29.8	29.9	30.0	4.3	4.2	4.1	37.1	39.3	39.4
Miami-Hialeah	93.1	90.3	91.0	71.2	71.7	71.5	239.0	244.1	243.7
Orlando	55.8	54.7	54.2	26.5	27.7	27.9	137.5	145.2	145.5
Pensacola	11.0	11.4	11.4	6.5	6.5	6.6	32.1	32.5	32.6
Sarasota	8.5	8.7	8.7	3.6	3.6	3.6	35.0	36.1	36.5
Tallahassee	4.8	5.0	5.0	3.0	3.1	3.0	25.5	27.0	27.0
Tampa-St. Petersburg-Clearwater	96.5	95.7	95.5	40.4	41.9	41.9	239.6	246.9	247.2
West Palm Beach-Boca Raton-Delray Beach	34.6	35.6	35.5	13.6	14.1	14.1	97.4	103.1	103.2

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	Finance, insurance, and real estate			Services			Government		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Alabama	70.5	71.3	71.3	298.3	305.0	307.0	315.5	317.9	320.8
Birmingham	28.3	28.5	28.6	96.5	99.2	100.4	63.8	65.3	66.0
Huntsville	3.6	3.8	3.8	30.6	31.7	31.8	30.0	30.8	30.9
Mobile	8.0	7.5	7.4	39.8	40.5	41.0	29.0	29.4	29.6
Montgomery	7.7	7.8	7.8	28.7	30.4	30.9	33.5	33.9	34.6
Tuscaloosa	2.0	2.1	2.1	9.2	9.5	9.6	20.1	20.5	20.6
Alaska	10.4	10.4	10.5	43.5	45.7	46.1	68.4	68.4	71.0
Arizona	92.0	93.6	93.6	383.2	400.6	405.9	253.2	249.7	262.8
Phoenix	73.6	75.3	75.3	259.2	271.5	275.4	129.6	127.7	134.8
Tucson	11.6	11.3	11.3	72.0	73.5	74.6	55.4	54.7	57.0
Arkansas	37.8	38.0	38.0	167.3	173.9	178.3	155.6	155.6	159.4
Fayetteville-Springdale	1.6	1.5	1.5	8.0	8.9	9.1	11.2	11.0	11.7
Fort Smith	2.8	2.9	2.9	16.5	17.8	18.2	8.1	8.1	8.3
Little Rock-North Little Rock	15.7	15.5	15.5	58.8	62.0	62.7	48.6	48.1	49.0
Pine Bluff	1.3	1.2	1.2	6.7	6.8	6.8	7.6	7.4	7.7
California	824.4	844.9	848.7	3,220.7	3,286.1	3,327.5	2,000.1	2,056.2	2,072.2
Anaheim-Santa Ana	94.7	95.5	96.2	300.5	307.6	310.8	123.0	123.8	126.5
Bakersfield	6.4	6.5	6.5	34.6	35.4	35.7	42.2	43.2	43.8
Fresno	12.1	12.2	12.3	49.6	51.6	52.1	48.3	49.6	49.5
Los Angeles-Long Beach	287.6	294.9	296.7	1,157.8	1,188.6	1,205.5	525.3	533.9	537.1
Modesto	5.0	5.1	5.3	23.0	24.2	24.6	18.6	20.7	19.8
Oakland	56.3	57.3	57.2	210.5	218.5	221.8	165.2	166.1	169.4
Oxnard-Ventura	11.1	11.5	11.5	52.5	54.5	55.2	41.7	42.5	43.2
Riverside-San Bernardino	28.1	29.2	29.5	157.3	164.8	166.9	134.5	147.3	147.4
Sacramento	37.2	38.5	38.6	131.4	136.7	137.6	177.4	182.9	183.9
San Diego	65.5	66.9	67.6	249.3	262.9	265.9	168.2	173.8	175.6
San Francisco	109.0	109.5	109.4	294.4	300.2	302.6	135.8	136.8	137.9
San Jose	31.8	32.3	32.3	212.2	212.1	215.6	86.8	88.5	88.7
Santa Barbara-Santa Maria-Lompoc	8.6	8.7	8.7	41.3	41.4	42.0	28.9	29.0	29.4
Santa Rosa-Petaluma	8.1	8.0	8.0	29.3	31.9	32.0	24.1	24.0	24.5
Stockton	9.2	9.4	9.5	31.8	32.1	32.7	32.2	31.3	33.5
Vallejo-Fairfield-Napa	4.9	4.9	5.0	28.7	30.1	30.4	38.7	38.8	38.9
Colorado	96.0	96.9	96.7	374.7	384.6	386.6	271.0	268.2	276.3
Boulder-Longmont	4.1	4.2	4.2	25.3	26.9	27.0	23.0	21.3	22.2
Denver	63.0	63.1	63.0	213.8	219.2	220.5	129.5	127.3	130.7
Connecticut	151.0	151.4	151.3	414.2	428.5	430.9	212.3	209.6	212.7
Bridgeport-Milford	12.5	12.4	12.3	49.6	49.4	49.5	20.4	20.3	20.3
Hartford	74.0	74.9	74.7	113.1	117.2	117.9	66.7	67.3	67.4
New Britain	3.7	3.4	3.3	14.9	15.6	15.6	6.9	6.6	6.8
New Haven-Meriden	16.3	16.9	16.9	73.5	74.3	76.4	32.8	32.1	32.0
Stamford	13.8	14.2	14.2	36.7	37.7	37.4	10.8	11.0	11.0
Waterbury	4.5	4.4	4.4	21.6	23.0	22.6	12.6	12.9	13.0
Delaware	29.3	30.5	30.4	79.2	84.5	84.6	47.5	48.3	48.9
Wilmington	26.0	27.4	27.2	69.9	73.4	73.6	37.7	39.3	39.2
District of Columbia	33.4	33.2	33.2	247.6	253.8	257.1	274.3	276.5	276.1
Washington MSA	128.0	130.9	131.2	712.0	729.9	735.3	578.7	587.0	589.9
Florida	366.6	373.6	374.3	1,477.4	1,551.9	1,577.9	806.2	830.2	843.9
Daytona Beach	6.0	5.8	5.8	36.3	34.5	36.1	20.2	20.8	21.0
Fort Lauderdale-Hollywood-Pompano Beach	40.0	41.0	41.0	146.4	151.2	152.1	64.7	67.1	68.1
Fort Myers-Cape Coral	8.9	9.4	9.3	34.8	37.0	38.3	18.2	19.2	19.5
Jacksonville	38.9	40.0	40.2	106.5	109.3	110.0	60.7	62.9	63.5
Melbourne-Titusville-Palm Bay	5.7	5.8	5.8	48.7	51.6	51.6	22.5	23.2	23.4
Miami-Hialeah	71.3	71.6	71.7	246.5	250.7	252.5	116.6	120.0	121.5
Orlando	32.8	33.2	33.2	175.0	187.5	191.1	60.7	63.0	64.3
Pensacola	5.3	5.3	5.3	32.4	33.5	33.6	30.0	30.3	30.6
Sarasota	7.9	8.1	8.1	34.6	36.8	37.2	12.8	13.3	13.6
Tallahassee	5.1	5.2	5.2	25.1	26.0	26.2	49.3	50.0	51.7
Tampa-St. Petersburg-Clearwater	65.0	65.4	65.7	253.6	261.8	265.6	108.8	112.8	113.3
West Palm Beach-Boca Raton-DeLray Beach	29.2	30.3	30.3	109.9	116.1	117.1	44.2	46.2	46.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Georgia	2,896.9	2,981.8	2,991.9	8.8	8.8	8.8	141.6	144.2	145.8
Athens	66.7	68.6	69.3	.1	.1	.1	2.6	2.8	2.9
Atlanta	1,432.0	1,472.6	1,477.4	1.4	1.2	1.2	67.9	67.0	67.9
Augusta	164.5	171.3	171.3	.5	.5	.5	13.5	15.3	15.4
Columbus	92.2	92.8	93.0	.1	.1	.1	4.7	4.4	4.4
Macon-Warner Robins	122.4	124.8	125.4	.1	.1	.1	4.7	5.1	5.3
Savannah	105.9	109.5	109.9	(²)	(²)	(²)	6.8	8.1	8.0
Hawaii	496.3	510.8	517.2	(²)	(²)	(²)	26.5	30.2	30.2
Honolulu	389.3	400.1	405.4	(²)	(²)	(²)	20.4	23.5	23.3
Idaho	347.9	372.2	374.1	3.2	3.7	3.7	11.9	15.8	15.4
Boise City	94.9	101.9	101.6	(¹)	(¹)	(¹)	4.4	5.7	5.9
Illinois	5,089.9	5,146.4	5,153.1	19.2	19.0	19.1	179.5	190.1	188.7
Aurora-Elgin	138.6	140.0	139.9	(¹)	(¹)	(¹)	6.6	6.8	6.7
Bloomington-Normal	61.2	63.8	64.0	(¹)	(¹)	(¹)	1.3	1.7	1.6
Champaign-Urbana-Rantoul	88.3	85.9	88.8	(¹)	(¹)	(¹)	2.1	2.2	2.1
Chicago	3,107.9	3,151.0	3,150.3	1.9	2.0	1.9	111.4	117.4	115.2
Davenport-Rock Island-Moline	155.4	159.6	159.9	(¹)	(¹)	(¹)	4.0	4.3	4.1
Decatur	52.6	52.7	53.1	(¹)	(¹)	(¹)	2.5	2.8	2.7
Joliet	99.5	102.6	102.8	(¹)	(¹)	(¹)	6.3	7.7	7.5
Kankakee	32.8	34.9	34.8	(¹)	(¹)	(¹)	1.3	1.5	1.4
Lake County	200.3	206.4	206.7	(¹)	(¹)	(¹)	9.3	9.9	9.6
Peoria	141.2	144.4	144.2	(¹)	(¹)	(¹)	5.3	5.7	5.5
Rockford	132.5	131.3	134.3	(¹)	(¹)	(¹)	3.8	4.7	4.7
Springfield	100.3	102.3	102.3	(¹)	(¹)	(¹)	3.3	3.1	3.1
Indiana	2,411.6	2,458.6	2,467.5	7.4	7.5	7.3	96.0	108.7	105.5
Anderson	49.4	48.8	49.4	(¹)	(¹)	(¹)	1.2	1.5	1.5
Bloomington	54.0	55.4	56.1	(¹)	(¹)	(¹)	1.7	1.9	1.8
Elkhart-Goshen	104.6	104.7	104.8	(¹)	(¹)	(¹)	2.9	3.3	3.3
Evansville	128.9	133.9	133.5	1.9	2.1	2.2	6.4	7.3	7.2
Fort Wayne	195.2	201.1	201.5	(¹)	(¹)	(¹)	8.2	8.8	8.6
Gary-Hammond	230.5	239.1	239.0	(¹)	(¹)	(¹)	12.4	15.8	15.4
Indianapolis	632.2	652.2	656.4	.7	.7	.7	30.4	34.6	33.5
Lafayette-West Lafayette	68.6	71.3	71.7	(¹)	(¹)	(¹)	2.6	2.8	2.7
Muncie	52.8	53.1	53.4	(¹)	(¹)	(¹)	1.6	1.6	1.5
South Bend-Mishawaka	114.9	121.1	120.8	(¹)	(¹)	(¹)	5.0	6.4	6.4
Terre Haute	54.8	56.1	56.3	.4	.4	.4	1.9	2.8	2.8
Iowa	1,163.8	1,197.5	1,205.0	1.6	1.6	1.6	30.4	36.3	35.7
Cedar Rapids	91.3	94.9	94.8	(¹)	(¹)	(¹)	3.0	4.0	3.9
Des Moines	217.4	227.8	228.1	(¹)	(¹)	(¹)	6.3	8.4	8.2
Dubuque	42.5	44.2	44.1	(¹)	(¹)	(¹)	1.0	1.5	1.5
Sioux City	52.2	54.7	54.4	(¹)	(¹)	(¹)	1.7	1.9	1.9
Waterloo-Cedar Falls	66.1	67.6	68.1	(¹)	(¹)	(¹)	1.8	2.0	2.0
Kansas	1,039.7	1,069.7	1,077.0	9.0	9.3	9.4	33.4	38.7	38.1
Topeka	89.4	91.0	90.8	(¹)	(¹)	(¹)	2.8	4.0	3.7
Wichita	234.3	237.1	237.5	1.7	1.8	1.8	8.0	8.2	8.2
Kentucky	1,388.0	1,439.4	1,445.9	33.2	33.3	33.4	56.4	64.3	63.8
Lexington-Fayette	190.6	197.4	200.8	.3	.2	.2	9.6	10.8	10.6
Louisville	453.6	470.8	474.4	.5	.5	.5	19.7	22.5	22.3
Owensboro	34.8	36.3	36.2	.4	.4	.4	2.0	2.0	2.0
Louisiana	1,501.6	1,510.3	1,517.6	54.1	54.7	54.8	75.9	81.7	81.5
Alexandria	45.2	44.9	44.9	.1	.1	.1	2.4	2.2	2.2
Baton Rouge	222.3	228.0	231.2	.8	.8	.8	23.3	26.6	26.3
Houma-Thibodaux	53.0	54.2	55.0	5.5	5.3	5.4	1.8	1.8	1.9
Lafayette	84.9	87.7	87.5	10.9	11.4	11.3	3.1	3.1	3.0
Monroe	54.5	55.1	56.6	.4	.4	.5	2.1	2.7	2.8
New Orleans	518.7	528.6	528.1	14.4	14.6	14.6	21.0	21.7	21.7
Shreveport	128.1	129.2	130.8	2.9	3.1	3.0	4.9	5.6	5.5
Maine	525.3	533.7	529.3	.1	.1	.1	29.6	28.6	27.6
Lewiston-Auburn	40.7	41.4	41.1	(²)	(²)	(²)	2.0	2.0	1.9
Portland	125.3	131.6	131.5	(²)	(²)	(²)	7.9	8.0	7.7

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a
Georgia	566.0	563.7	564.0	183.9	185.9	186.1	735.3	760.0	758.2
Athens	15.2	15.4	15.5	1.8	1.8	1.8	14.4	15.1	15.2
Atlanta	177.8	176.5	177.4	121.4	125.2	124.5	403.7	415.5	413.4
Augusta	37.4	38.2	38.1	4.5	4.5	4.5	35.2	36.7	36.6
Columbus	19.0	18.8	18.9	3.2	3.0	3.2	20.4	21.4	21.4
Macon-Warner Robins	18.7	18.0	18.5	5.1	5.4	5.4	27.9	28.5	28.4
Savannah	17.3	17.5	17.5	9.5	9.6	9.7	25.7	26.5	26.7
Hawaii	21.8	20.7	20.7	38.9	41.2	41.5	130.2	134.2	134.9
Honolulu	16.4	15.5	15.4	31.6	33.4	33.6	100.3	102.6	103.2
Idaho	57.3	61.6	62.0	18.3	19.1	19.0	88.5	96.8	96.2
Boise City	13.8	15.4	15.7	5.3	5.6	5.6	25.0	26.5	26.2
Illinois	977.0	973.2	979.9	300.8	305.4	305.1	1,250.6	1,272.2	1,264.1
Aurora-Elgin	38.9	39.1	39.1	3.4	3.4	3.4	35.5	35.6	35.1
Bloomington-Normal	6.6	7.9	8.0	2.8	2.7	2.7	13.8	14.2	14.4
Champaign-Urbana-Rantoul	8.2	7.7	7.9	2.3	2.3	2.3	19.4	18.6	18.7
Chicago	561.1	550.8	552.7	200.9	204.3	204.3	763.0	773.4	767.2
Davenport-Rock Island-Moline	32.4	33.1	33.2	6.9	7.3	7.3	44.5	46.3	46.2
Decatur	14.1	14.1	14.2	5.1	5.1	5.1	11.3	11.5	11.4
Joliet	19.1	18.3	18.3	8.6	8.6	8.7	23.2	23.9	24.0
Kankakee	5.5	5.5	5.5	2.0	2.1	2.1	7.9	9.1	9.1
Lake County	45.8	46.9	46.9	5.7	6.0	6.0	57.2	58.8	58.6
Peoria	33.4	33.6	33.6	7.0	7.0	7.0	33.8	35.7	35.2
Rockford	48.3	44.9	47.7	4.7	4.6	4.7	29.2	31.1	30.6
Springfield	4.1	4.0	4.0	4.7	4.7	4.7	22.3	23.0	22.8
Indiana	643.4	628.7	631.6	124.7	130.3	130.0	568.5	589.1	585.8
Anderson	17.2	16.1	16.5	1.3	1.3	1.3	11.5	11.7	11.6
Bloomington	9.2	9.4	9.3	1.6	1.7	1.7	12.0	11.9	11.9
Elkhart-Goshen	56.7	52.2	52.4	3.1	3.6	3.6	18.6	19.9	19.6
Evansville	31.0	30.7	30.5	6.8	6.9	7.0	33.9	35.5	35.0
Fort Wayne	54.1	52.7	52.6	12.8	13.1	13.2	47.7	49.5	49.4
Gary-Hammond	56.3	56.5	56.2	15.6	15.0	15.0	54.4	56.8	56.6
Indianapolis	107.5	104.2	106.7	39.2	41.4	41.8	164.5	172.8	173.1
Lafayette-West Lafayette	12.8	13.0	13.0	1.8	1.7	1.8	14.1	15.8	15.2
Muncie	11.1	11.2	11.2	2.7	3.2	3.2	12.7	12.9	12.8
South Bend-Mishawaka	23.0	22.8	22.5	5.0	5.0	5.0	30.4	31.8	31.5
Terre Haute	10.2	10.7	10.4	2.8	2.8	2.8	14.8	15.2	15.0
Iowa	228.9	234.6	234.1	54.1	55.4	55.5	292.5	306.7	304.2
Cedar Rapids	23.5	23.5	23.2	5.8	5.8	5.8	21.7	22.4	22.1
Des Moines	24.8	25.9	25.7	12.4	12.5	12.4	56.0	59.4	58.9
Dubuque	12.2	12.6	12.5	1.5	1.7	1.7	9.8	10.4	10.2
Sioux City	10.4	10.9	10.9	3.1	3.5	3.6	13.5	14.1	13.8
Waterloo-Cedar Falls	15.4	15.8	15.5	1.8	1.9	1.9	15.6	16.5	16.5
Kansas	182.9	182.2	184.6	64.8	66.1	66.2	257.4	268.7	266.1
Topeka	9.4	9.7	9.8	7.0	6.9	6.9	20.3	20.3	19.8
Wichita	63.0	64.9	64.7	11.1	11.4	11.3	53.3	53.4	53.2
Kentucky	279.7	281.1	282.5	74.1	75.5	75.2	331.9	350.4	348.1
Lexington-Fayette	32.3	33.6	33.6	8.6	9.2	9.0	43.0	44.4	44.1
Louisville	88.9	86.0	88.1	29.0	29.7	29.8	113.6	120.0	119.2
Owensboro	6.2	6.4	6.3	2.1	2.2	2.2	9.1	9.8	9.7
Louisiana	171.1	169.9	171.9	105.3	105.4	105.3	360.4	364.7	363.8
Alexandria	3.2	3.5	3.5	2.2	2.3	2.3	10.6	10.1	10.0
Baton Rouge	20.3	21.3	21.5	10.2	10.5	10.5	52.6	54.2	54.1
Houma-Thibodaux	4.4	4.6	4.7	5.9	6.4	6.3	13.5	14.2	14.1
Lafayette	7.3	8.0	7.9	6.0	6.3	6.3	23.2	24.2	24.1
Monroe	7.6	7.7	7.9	2.9	3.0	2.8	13.8	14.2	14.4
New Orleans	43.7	42.9	42.7	42.5	43.5	43.2	133.1	136.0	135.4
Shreveport	17.2	15.7	17.6	8.3	8.4	8.4	31.3	32.7	32.5
Maine	106.1	105.2	104.6	21.6	22.1	22.0	129.0	135.1	130.8
Lewiston-Auburn	9.5	9.4	9.5	1.4	1.4	1.4	10.6	11.2	10.8
Portland	16.6	16.6	17.1	5.1	5.2	5.3	36.7	40.1	39.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Georgia	162.3	162.6	162.4	590.5	627.3	632.5	508.5	529.2	534.3
Athens	1.9	2.0	2.0	10.7	11.3	11.4	20.0	20.1	20.4
Atlanta	104.4	105.7	105.4	346.2	365.9	369.8	209.3	215.6	218.0
Augusta	5.4	5.5	5.5	33.0	35.0	35.0	35.1	35.6	35.7
Columbus	6.1	5.9	5.9	18.0	18.3	18.2	20.6	20.9	21.0
Macon-Warner Robins	7.0	7.5	7.4	23.8	24.9	25.0	35.1	35.2	35.3
Savannah	4.8	4.8	4.8	25.4	26.4	26.5	16.4	16.5	16.6
Hawaii	34.8	35.4	35.6	141.8	148.4	150.0	102.3	100.7	104.3
Honolulu	28.4	28.9	29.2	106.3	112.4	113.4	85.9	83.8	87.3
Idaho	18.8	19.3	19.3	73.2	76.4	77.4	76.7	79.5	81.1
Boise City	7.6	7.7	7.6	20.6	22.0	21.5	18.2	19.0	19.0
Illinois	366.8	371.4	371.1	1,249.5	1,277.7	1,278.4	746.5	737.4	746.7
Aurora-Elgin	7.4	7.3	7.3	30.9	31.6	31.4	15.9	16.2	16.9
Bloomington-Normal	10.4	11.1	11.0	13.0	13.0	13.0	13.3	13.2	13.3
Champaign-Urbana-Rantoul	3.0	3.1	3.1	17.0	17.5	17.8	36.3	34.5	36.9
Chicago	265.6	269.7	269.5	832.8	857.4	861.3	371.2	376.0	378.2
Davenport-Rock Island-Moline	7.7	7.7	7.7	33.2	34.2	34.3	26.7	26.7	27.1
Decatur	2.3	2.3	2.3	11.6	11.4	11.6	5.7	5.5	5.8
Joliet	3.5	3.6	3.5	21.9	23.2	23.3	16.9	17.3	17.5
Kankakee	1.2	1.2	1.2	8.3	8.8	8.8	6.6	6.7	6.7
Lake County	9.8	10.0	9.9	42.2	44.0	44.2	30.3	30.8	31.5
Peoria	7.2	7.1	7.1	38.2	39.3	39.4	16.3	16.0	16.4
Rockford	5.2	5.3	5.3	28.9	28.9	29.0	12.4	11.8	12.3
Springfield	7.9	8.1	8.2	25.3	26.0	26.0	32.7	33.4	33.5
Indiana	118.8	122.0	121.8	483.8	509.0	514.2	368.9	363.2	371.4
Anderson	1.6	1.5	1.5	10.4	10.8	11.0	6.2	5.9	6.1
Bloomington	1.8	2.0	1.9	9.0	10.3	10.4	18.6	18.4	18.9
Elkhart-Goshen	2.8	3.2	3.1	14.4	16.3	16.4	6.0	6.2	6.3
Evansville	5.3	5.4	5.4	31.3	34.3	34.4	12.3	11.7	11.9
Fort Wayne	12.1	13.0	13.1	42.0	46.5	46.9	18.3	17.5	17.8
Gary-Hammond	8.2	8.3	8.3	51.7	55.0	55.3	32.0	31.7	32.2
Indianapolis	48.5	49.0	48.8	147.2	153.6	155.0	94.2	95.8	96.8
Lafayette-West Lafayette	3.0	3.1	3.1	12.5	14.0	13.6	21.8	21.0	22.3
Muncie	1.6	1.7	1.7	10.9	11.1	11.1	12.1	11.3	11.8
South Bend-Mishawaka	6.1	6.3	6.2	34.1	36.5	36.6	11.4	12.2	12.6
Terre Haute	2.0	2.1	2.1	11.8	12.4	12.3	10.8	9.8	10.6
Iowa	66.5	69.5	69.5	270.5	277.1	280.3	219.3	216.3	224.1
Cedar Rapids	4.5	4.7	4.7	22.3	23.5	23.8	10.5	11.0	11.3
Des Moines	30.3	32.3	32.5	56.2	57.8	58.3	31.4	31.5	32.1
Dubuque	1.5	1.5	1.5	12.9	12.8	12.9	3.6	3.7	3.8
Sioux City	2.5	2.6	2.6	14.3	15.1	15.0	6.7	6.6	6.6
Waterloo-Cedar Falls	2.8	2.9	2.9	15.4	15.4	15.6	13.3	13.1	13.7
Kansas	57.2	58.9	58.9	221.8	232.8	234.9	213.2	213.0	218.8
Topeka	6.6	6.7	6.7	21.4	21.4	21.5	21.9	22.0	22.4
Wichita	10.9	10.8	10.8	57.7	58.5	58.7	28.6	28.1	28.8
Kentucky	58.9	60.7	60.8	300.7	318.6	322.0	253.1	255.5	260.1
Lexington-Fayette	9.4	9.3	9.3	45.2	48.7	49.4	42.2	41.2	44.6
Louisville	25.8	26.6	26.8	114.6	122.4	124.2	61.5	63.1	63.5
Owensboro	1.4	1.5	1.5	8.2	8.4	8.4	5.4	5.6	5.7
Louisiana	79.5	77.4	77.4	341.3	346.3	347.6	314.0	310.2	315.3
Alexandria	2.5	2.5	2.5	11.4	11.5	11.6	12.8	12.7	12.7
Baton Rouge	13.1	13.0	13.1	48.5	50.2	50.4	53.5	51.4	54.5
Houma-Thibodaux	2.1	2.1	2.1	9.3	9.8	10.0	10.5	10.0	10.5
Lafayette	3.3	3.2	3.2	18.6	19.3	19.4	12.5	12.2	12.3
Monroe	4.2	4.2	4.2	12.0	12.9	12.9	11.5	10.0	11.1
New Orleans	32.7	33.3	33.4	144.6	149.3	149.9	86.7	87.3	87.2
Shreveport	6.4	6.1	6.1	31.0	32.1	32.2	26.1	25.5	25.5
Maine	25.1	25.1	24.9	117.4	120.3	120.7	96.4	97.2	98.6
Lewiston-Auburn	2.3	2.3	2.3	10.7	10.6	10.9	4.2	4.5	4.3
Portland	11.5	11.4	11.3	31.4	34.5	34.6	16.1	15.8	16.1

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	Total			Mining			Construction		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Maryland	2,107.8	2,123.3	2,133.9	1.6	1.6	1.6	154.5	152.5	152.6
Baltimore MSA	1,120.8	1,125.2	1,133.7	.3	.3	.3	72.0	74.4	74.2
Baltimore City	468.8	468.6	473.5	(¹)	(¹)	(¹)	19.1	19.5	19.4
Suburban Maryland-D.C.	758.6	771.7	772.1	(¹)	(¹)	(¹)	67.7	69.3	69.1
Massachusetts	3,084.3	3,049.2	3,058.7	1.4	1.2	1.2	117.7	108.6	106.2
Boston	1,731.4	1,709.4	1,718.5	.5	.6	.6	60.4	52.1	51.4
Brockton	73.7	73.4	73.2	(²)	(²)	(²)	3.1	2.8	2.8
Fall River	56.1	56.1	55.9	(²)	(²)	(²)	2.2	2.1	2.0
Fitchburg-Leominster	41.2	40.6	40.6	(²)	(²)	(²)	1.8	1.5	1.5
Lawrence-Haverhill	163.8	162.4	161.9	(²)	(²)	(²)	6.5	6.0	5.9
Lowell	108.7	102.6	101.9	(¹)	(¹)	(¹)	4.6	4.1	4.0
New Bedford	67.9	67.0	66.7	(²)	(²)	(²)	2.7	2.5	2.5
Pittsfield	41.4	42.3	42.1	.1	1	.1	1.8	1.6	1.5
Springfield	242.0	239.6	238.0	.1	.1	.1	8.3	7.1	6.8
Worcester	203.4	200.4	201.3	.2	.2	.2	8.6	7.7	7.3
Michigan	3,831.9	3,798.6	3,847.6	9.9	9.9	10.0	114.6	124.7	120.1
Ann Arbor	175.2	170.2	175.3	(¹)	(¹)	(¹)	4.6	4.9	4.7
Battle Creek	58.9	59.8	59.7	(¹)	(¹)	(¹)	1.7	1.8	2.0
Benton Harbor	65.3	65.2	65.5	(¹)	(¹)	(¹)	1.4	1.5	1.5
Detroit	1,895.7	1,885.4	1,905.5	1.0	1.0	1.1	55.3	58.2	56.0
Flint	163.0	154.6	166.2	(¹)	(¹)	(¹)	4.7	5.1	4.9
Grand Rapids	336.6	343.2	345.0	(¹)	(¹)	(¹)	14.7	15.4	14.9
Jackson	53.3	53.5	53.3	(¹)	(¹)	(¹)	1.6	1.8	1.8
Kalamazoo	110.9	110.9	111.8	(¹)	(¹)	(¹)	3.7	3.9	3.7
Lansing-East Lansing	210.5	206.2	208.3	(¹)	(¹)	(¹)	5.3	5.2	5.0
Muskegon	56.9	58.3	57.6	(¹)	(¹)	(¹)	2.0	2.0	2.0
Saginaw-Bay City-Midland	155.5	151.3	158.1	(¹)	(¹)	(¹)	7.0	7.9	7.7
Minnesota	2,026.2	2,083.1	2,088.0	6.7	7.3	7.4	61.6	68.0	65.9
Duluth	91.5	95.3	95.4	5.0	5.5	5.4	2.6	3.2	3.2
Minneapolis-St. Paul	1,318.0	1,348.8	1,351.8	(²)	(²)	(²)	42.1	45.6	44.4
Rochester	61.3	63.9	64.0	(¹)	(¹)	(¹)	1.8	1.8	1.6
St. Cloud	74.5	80.0	80.8	(¹)	(¹)	(¹)	2.7	3.5	3.5
Mississippi	901.2	919.8	923.4	5.9	6.3	6.3	31.8	34.8	35.0
Jackson	181.5	185.1	186.4	.7	.7	.6	7.6	6.9	7.0
Missouri	2,251.0	2,279.4	2,290.3	4.7	4.9	4.9	84.3	90.4	86.6
Kansas City	754.0	777.9	782.1	(¹)	(¹)	(¹)	28.1	32.3	31.6
St. Louis	1,148.3	1,166.4	1,172.5	(¹)	(¹)	(¹)	53.2	59.3	57.4
Springfield	114.1	117.7	118.5	(¹)	(¹)	(¹)	4.0	4.3	4.1
Montana	276.7	288.1	287.6	5.7	6.1	6.0	6.3	7.3	6.8
Nebraska	690.0	706.9	712.7	1.3	1.2	1.3	20.5	22.4	22.3
Lincoln	115.5	118.7	121.8	(¹)	(¹)	(¹)	3.5	3.8	4.0
Omaha	313.0	324.1	324.1	(¹)	(¹)	(¹)	10.1	11.3	11.2
Nevada	551.2	601.2	602.6	12.2	14.3	14.3	38.4	47.4	47.1
Las Vegas	321.2	361.1	361.1	.2	.3	.3	26.4	34.3	34.0
Reno	134.9	141.6	142.2	1.3	1.6	1.6	5.9	6.9	6.7
New Hampshire	524.1	510.0	505.1	.4	.4	.4	28.6	23.0	21.1
Manchester	86.4	84.5	82.1	(¹)	(¹)	(¹)	5.0	4.3	3.7
Nashua	93.5	91.1	89.6	(¹)	(¹)	(¹)	4.0	2.7	2.6
Portsmouth-Dover-Rochester	110.2	104.4	105.4	(¹)	(¹)	(¹)	4.7	3.8	3.5
New Jersey	3,646.0	3,661.6	3,667.0	2.4	2.3	2.4	153.1	149.0	145.2
Atlantic City	159.4	160.5	163.2	(¹)	(¹)	(¹)	9.2	9.1	9.3
Bergen-Passaic	668.6	667.5	667.5	(¹)	(¹)	(¹)	30.3	29.6	29.6
Camden	443.6	454.5	453.6	(¹)	(¹)	(¹)	23.4	24.3	24.2
Jersey City	246.1	247.5	248.4	(¹)	(¹)	(¹)	6.3	6.4	6.3
Middlesex-Somerset-Hunterdon	534.4	538.6	536.6	.6	.6	.6	21.2	20.9	20.6
Monmouth-Ocean	324.7	330.0	329.9	(¹)	(¹)	(¹)	18.8	18.1	18.0
Newark	960.1	972.3	976.7	.7	.7	.8	36.0	36.7	36.0
Trenton	196.9	197.1	198.1	(¹)	(¹)	(¹)	4.9	4.8	4.7
Vineland-Millville-Bridgeton	56.5	58.9	58.4	.4	.4	.4	2.1	2.3	2.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Maryland	208.4	203.4	204.9	98.8	100.0	100.6	526.5	538.9	533.8
Baltimore MSA	130.6	125.9	127.9	54.5	56.2	55.9	271.9	274.9	273.9
Baltimore City	44.3	41.7	44.3	27.4	28.1	28.0	93.3	92.4	91.8
Suburban Maryland-D.C.	37.7	38.4	38.2	31.6	31.2	31.4	195.8	201.6	198.8
Massachusetts	571.9	544.5	540.1	131.3	129.8	130.8	728.0	740.1	730.6
Boston	260.4	251.4	250.5	77.3	76.3	77.1	390.9	395.8	390.9
Brockton	10.2	9.6	9.4	4.7	4.6	4.5	23.6	24.4	24.2
Fall River	16.0	15.6	15.6	2.0	1.9	1.9	14.8	14.7	14.6
Fitchburg-Leominster	12.1	12.0	12.2	1.6	1.4	1.4	10.3	10.1	9.9
Lawrence-Haverhill	49.7	46.5	45.8	6.8	6.4	6.3	35.8	36.8	36.1
Lowell	37.0	33.1	32.0	4.9	4.7	4.8	22.8	22.2	21.9
New Bedford	18.4	17.6	17.5	2.9	2.7	2.7	16.8	16.6	16.4
Pittsfield	10.6	10.7	10.6	1.3	1.4	1.4	9.7	10.2	10.1
Springfield	49.7	46.9	46.8	10.0	9.9	10.0	57.8	60.3	58.7
Worcester	44.6	44.2	43.8	9.6	9.2	9.1	49.2	50.8	50.2
Michigan	969.3	887.2	930.1	148.9	147.4	147.3	885.8	912.3	899.3
Ann Arbor	40.3	35.6	38.4	4.8	4.8	4.9	29.8	30.4	30.3
Battle Creek	16.7	16.5	16.1	1.6	1.5	1.6	11.5	12.2	12.1
Benton Harbor	21.9	20.7	20.7	2.4	2.5	2.5	13.6	14.1	13.9
Detroit	460.2	423.4	441.3	85.0	85.7	86.1	450.2	463.1	459.2
Flint	51.7	41.3	51.4	4.2	3.9	4.1	40.0	41.7	40.9
Grand Rapids	101.7	100.0	101.0	11.0	11.3	11.3	86.8	92.1	91.1
Jackson	13.5	12.7	12.6	4.1	3.9	3.9	12.4	12.7	12.6
Kalamazoo	31.0	29.6	29.9	3.1	3.3	3.3	24.8	26.1	25.5
Lansing-East Lansing	32.2	28.8	28.2	5.3	5.7	5.6	45.0	45.6	44.9
Muskegon	17.1	17.0	16.8	2.2	2.2	2.2	12.7	13.6	13.2
Saginaw-Bay City-Midland	44.2	36.9	43.6	6.2	6.1	6.1	36.8	38.5	37.7
Minnesota	391.4	392.7	393.7	101.7	107.2	107.3	495.5	512.4	507.7
Duluth	7.9	8.2	8.2	5.3	5.8	5.7	22.7	24.0	23.9
Minneapolis-St. Paul	261.8	259.0	260.5	71.6	76.2	76.6	320.1	329.4	326.5
Rochester	11.3	11.7	11.8	1.8	1.9	1.9	12.5	12.8	12.5
St. Cloud	14.0	14.5	14.7	3.6	3.8	3.8	22.8	25.8	26.2
Mississippi	239.8	238.9	240.6	44.0	45.5	45.7	190.8	196.7	195.7
Jackson	20.8	20.7	21.5	13.6	14.2	14.4	42.6	43.3	43.3
Missouri	436.7	432.0	435.9	147.5	149.0	149.6	546.7	563.9	559.0
Kansas City	109.7	105.8	109.7	61.8	64.2	64.0	196.4	208.0	205.2
St. Louis	223.4	217.8	222.2	75.5	76.9	77.4	279.0	290.5	286.9
Springfield	21.3	21.3	21.2	6.7	7.2	7.4	32.5	33.7	33.6
Montana	21.1	21.9	21.4	19.4	19.5	19.4	72.2	78.0	77.1
Nebraska	93.7	95.8	95.7	44.7	46.4	46.6	178.4	184.3	183.1
Lincoln	14.6	14.2	14.3	6.2	6.6	6.6	26.2	27.1	27.4
Omaha	35.0	36.2	36.0	23.8	25.1	25.1	80.6	84.2	83.1
Nevada	25.0	25.4	25.8	29.4	31.0	31.2	113.5	123.1	123.0
Las Vegas	9.5	10.2	10.3	16.8	18.6	18.7	68.5	76.2	76.4
Reno	8.5	8.5	8.5	9.5	9.1	9.1	31.2	33.1	32.8
New Hampshire	116.3	109.6	109.0	18.3	18.3	18.0	134.3	132.2	127.8
Manchester	12.4	11.3	11.1	4.7	5.0	5.0	23.8	22.8	21.7
Nashua	34.6	33.4	32.8	3.0	3.1	3.1	23.3	22.6	22.1
Portsmouth-Dover-Rochester	21.5	19.3	19.6	2.6	2.5	2.5	27.7	26.1	25.8
New Jersey	652.5	640.0	641.1	240.8	240.7	241.1	871.7	885.6	875.3
Atlantic City	8.5	8.5	8.5	6.4	6.4	6.4	31.1	32.4	32.3
Bergen-Passaic	151.3	146.3	146.8	29.5	29.5	29.6	192.3	193.8	191.6
Camden	72.0	70.8	70.1	19.6	20.0	20.0	121.1	126.5	124.9
Jersey City	41.5	41.1	41.5	33.1	33.3	33.7	61.3	60.7	60.4
Middlesex-Somerset-Hunterdon	115.0	113.5	112.8	41.9	41.7	41.7	130.5	132.3	130.4
Monmouth-Ocean	28.1	27.6	27.7	16.9	17.5	17.5	87.0	89.4	88.0
Newark	175.5	173.1	172.9	79.3	82.1	82.4	194.7	195.0	194.5
Trenton	29.2	28.3	28.7	6.7	6.7	6.8	31.4	32.0	30.7
Vineland-Millville-Bridgeton	15.9	16.6	16.6	2.1	2.2	2.2	11.1	11.3	10.9

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a
Maryland	129.0	131.3	131.3	575.8	585.9	531.1	413.2	409.7	418.0
Baltimore MSA	76.0	76.4	76.6	305.8	308.3	313.0	209.7	208.8	211.9
Baltimore City	45.4	45.8	45.7	147.5	148.8	131.8	91.8	92.3	92.5
Suburban Maryland-D.C.	44.5	45.9	46.2	220.1	224.1	225.2	161.2	161.2	163.2
Massachusetts	215.8	217.3	217.2	907.0	907.2	926.9	411.2	400.5	405.7
Boston	147.2	147.1	147.1	587.9	582.1	596.4	206.8	204.0	204.5
Brockton	3.5	3.6	3.6	16.4	16.0	16.2	12.2	12.4	12.5
Fall River	3.4	3.6	3.5	10.7	11.3	11.4	7.0	6.9	6.9
Fitchburg-Leominster	1.6	1.6	1.5	8.8	9.1	9.1	5.0	4.9	5.0
Lawrence-Haverhill	6.3	6.3	6.3	36.2	38.3	38.9	22.5	22.1	22.6
Lowell	3.8	3.6	3.6	21.8	21.9	22.1	13.8	13.0	13.5
New Bedford	2.5	2.5	2.5	14.5	15.1	15.2	10.1	10.0	9.9
Pittsfield	1.9	2.0	2.0	11.2	11.7	11.8	4.8	4.7	4.7
Springfield	15.6	15.2	15.2	60.8	60.5	60.7	39.7	39.6	39.7
Worcester	14.0	13.9	13.8	51.9	49.8	51.9	25.3	24.6	25.0
Michigan	185.1	189.2	189.9	874.9	892.8	897.6	643.4	635.0	653.3
Ann Arbor	4.7	4.7	4.7	35.7	36.8	36.5	55.4	53.1	55.9
Battle Creek	3.2	3.3	3.3	12.6	13.0	12.9	11.8	11.5	11.7
Benton Harbor	2.6	2.7	2.7	14.6	15.3	15.3	8.7	8.5	8.8
Detroit	109.4	112.1	112.7	489.5	502.3	504.7	245.0	239.5	244.5
Flint	5.7	6.0	5.9	32.5	33.5	33.3	24.2	23.1	23.7
Grand Rapids	15.3	15.9	15.8	72.8	74.2	75.8	34.3	34.2	35.1
Jackson	1.7	1.7	1.7	9.9	10.3	10.2	10.0	10.4	10.6
Kalamazoo	5.0	5.1	5.1	24.7	25.2	25.2	18.6	17.9	19.0
Lansing-East Lansing	12.3	12.5	12.4	40.0	40.6	40.9	70.3	67.9	71.3
Muskegon	1.4	1.5	1.5	11.8	12.2	12.0	9.6	9.8	9.9
Saginaw-Bay City-Midland	6.2	6.0	5.9	33.8	35.4	35.8	21.3	20.5	21.2
Minnesota	118.6	120.8	121.3	515.4	541.4	543.9	335.3	333.3	340.8
Duluth	3.0	3.3	3.3	22.8	23.7	23.7	22.2	21.6	22.0
Minneapolis-St. Paul	92.6	93.0	92.3	346.4	362.7	364.2	183.0	182.5	186.8
Rochester	1.5	1.6	1.6	25.9	27.8	28.0	6.5	6.3	6.6
St. Cloud	2.3	2.5	2.4	15.5	15.9	15.9	13.6	14.0	14.3
Mississippi	38.5	38.6	38.5	148.0	153.9	155.1	202.4	205.1	206.5
Jackson	14.6	14.7	14.6	40.2	42.0	42.3	41.4	42.5	42.8
Missouri	133.5	133.8	133.5	534.2	541.7	547.5	363.4	363.7	373.3
Kansas City	58.2	59.3	59.3	181.3	190.0	191.2	118.5	118.3	121.1
St. Louis	73.9	73.9	73.7	299.2	305.0	308.3	144.1	143.0	146.6
Springfield	5.2	5.5	5.6	29.5	30.6	31.1	14.9	15.1	15.5
Montana	12.9	13.2	13.2	68.6	72.8	73.4	70.5	69.3	70.3
Nebraska	47.7	48.5	48.6	164.2	167.0	170.0	139.5	141.3	145.1
Lincoln	8.5	8.5	8.5	26.5	27.3	28.4	30.0	31.2	32.6
Omaha	28.1	29.2	29.5	88.9	90.3	91.2	46.5	47.8	48.0
Nevada	24.7	26.1	26.3	237.2	260.7	260.4	70.8	73.2	74.6
Las Vegas	15.8	16.5	16.7	147.9	166.9	166.5	36.1	38.1	38.2
Reno	6.4	6.7	6.8	54.5	58.2	58.4	17.6	17.5	18.3
New Hampshire	32.2	32.1	31.8	122.3	124.1	124.1	71.7	70.3	72.9
Manchester	8.5	8.8	8.7	23.2	23.4	23.0	8.8	8.9	8.9
Nashua	3.4	3.2	3.1	17.5	18.1	17.8	7.7	8.0	8.1
Portsmouth-Dover-Rochester	7.1	7.0	7.1	20.8	21.7	21.2	25.8	24.0	25.7
New Jersey	239.9	241.0	240.3	923.2	942.2	952.1	562.4	560.8	569.5
Atlantic City	6.8	6.8	6.8	71.3	71.3	73.2	26.1	26.0	26.7
Bergen-Passaic	38.8	38.8	38.8	158.0	160.2	161.3	68.4	69.3	69.8
Camden	24.4	24.9	24.8	108.4	112.3	113.3	74.7	75.7	76.3
Jersey City	16.4	16.1	16.0	48.3	50.1	50.4	39.2	39.8	40.1
Middlesex-Somerset-Hunterdon	38.8	38.6	38.4	112.7	116.3	116.5	73.7	74.7	75.6
Monmouth-Ocean	19.2	19.8	19.7	91.1	93.5	94.4	63.6	64.1	64.6
Newark	79.1	80.4	80.4	255.9	264.8	267.3	138.9	139.5	142.4
Trenton	10.3	10.5	10.4	58.3	58.4	59.8	56.1	56.4	57.0
Vineland-Millville-Bridgeton	3.6	4.0	3.9	9.7	10.4	10.3	11.6	11.7	11.8

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
New Mexico	549.1	556.8	561.9	13.8	14.8	14.5	27.9	27.1	27.0
Albuquerque	237.5	238.4	241.2	(²)	(²)	(²)	12.6	12.5	12.5
Las Cruces	41.8	43.3	44.1	(²)	(²)	(²)	2.2	2.2	2.2
Santa Fe	54.9	56.2	56.8	(²)	(²)	(²)	2.6	2.5	2.5
New York	8,132.5	8,172.5	8,217.5	5.0	5.0	5.0	300.4	298.8	295.6
Albany-Schenectady-Troy	418.7	425.4	427.4	.4	.4	.4	17.5	18.3	18.0
Binghamton	120.6	119.7	119.5	(¹)	(¹)	(¹)	4.6	4.9	4.6
Buffalo	448.0	452.3	458.4	(¹)	(¹)	(¹)	14.8	14.5	14.1
Elmira	40.8	41.7	41.6	(¹)	(¹)	(¹)	1.5	1.4	1.5
Nassau-Suffolk	1,123.6	1,127.9	1,128.5	(¹)	(¹)	(¹)	53.9	51.7	51.1
New York PMSA	4,102.5	4,120.6	4,135.1	(¹)	(¹)	(¹)	142.3	141.0	140.5
New York City	3,582.4	3,593.0	3,607.8	.4	.3	.3	113.6	112.5	111.8
Niagara Falls	81.3	81.1	83.8	(¹)	(¹)	(¹)	2.8	3.2	3.0
Orange County	105.6	106.5	106.8	(¹)	(¹)	(¹)	4.6	4.5	4.4
Poughkeepsie	119.0	119.5	120.4	(¹)	(¹)	(¹)	6.0	5.9	5.8
Rochester	481.5	481.8	484.2	.6	.6	.6	16.2	17.6	17.3
Rockland County	100.1	101.7	101.1	(¹)	(¹)	(¹)	4.7	4.6	4.5
Syracuse	304.4	309.2	310.9	(¹)	(¹)	(¹)	13.4	15.1	14.5
Utica-Rome	124.0	125.7	126.6	(¹)	(¹)	(¹)	3.0	3.2	3.1
Westchester County	401.3	407.4	407.6	(¹)	(¹)	(¹)	22.0	21.9	22.3
North Carolina	3,015.5	3,075.5	3,085.8	4.8	4.8	4.9	157.4	158.2	159.0
Asheville	81.6	86.2	86.7	(¹)	(¹)	(¹)	4.2	4.4	4.3
Charlotte-Gastonia-Rock Hill	605.7	622.8	624.9	(¹)	(¹)	(¹)	35.8	35.8	35.8
Greensboro-Winston-Salem-High Point	486.2	485.3	486.0	(¹)	(¹)	(¹)	24.0	24.2	24.3
Raleigh-Durham	413.1	422.9	428.0	(¹)	(¹)	(¹)	21.4	21.1	21.1
North Dakota	251.9	257.9	258.3	3.6	3.8	3.7	6.7	7.4	7.2
Bismarck	37.3	38.5	38.6	(¹)	(¹)	(¹)	1.2	1.3	1.3
Fargo-Moorhead	73.2	75.6	75.5	(¹)	(¹)	(¹)	2.5	3.1	3.0
Grand Forks	30.6	31.4	31.7	(¹)	(¹)	(¹)	1.0	1.0	1.0
Ohio	4,696.4	4,752.1	4,787.3	17.6	17.6	17.2	161.2	170.6	166.2
Akron	271.9	277.2	280.6	.5	.6	.6	8.4	8.5	8.4
Canton	160.8	163.1	162.8	.8	.8	.7	6.0	6.1	5.9
Cincinnati	704.5	726.3	728.1	.4	.4	.4	30.4	31.8	30.9
Cleveland	911.5	926.5	928.1	.8	.9	.9	27.1	29.0	28.3
Columbus	687.1	698.9	702.0	.8	.8	.8	26.1	26.1	25.8
Dayton-Springfield	443.0	446.3	448.1	.4	.4	.4	15.8	15.8	15.2
Toledo	287.7	281.2	289.3	.2	.2	.2	10.0	10.7	10.2
Youngstown-Warren	193.8	189.0	196.5	.4	.5	.5	6.3	6.5	6.3
Oklahoma	1,138.7	1,143.6	1,156.3	42.1	44.5	43.8	32.1	34.6	34.7
Enid	21.1	21.2	21.5	.9	.9	.9	.6	.6	.6
Lawton	33.6	34.7	34.5	.2	.3	.3	1.0	.9	.8
Oklahoma City	416.1	417.2	426.8	11.0	11.1	10.7	10.5	11.4	11.6
Tulsa	297.8	308.1	309.1	12.2	12.4	12.2	9.7	10.9	10.8
Oregon	1,162.0	1,208.0	1,211.8	1.1	1.2	1.2	38.1	42.6	42.1
Eugene-Springfield	110.7	116.1	116.8	.2	.2	.2	3.2	3.6	3.5
Portland	596.3	618.4	620.8	.3	.4	.4	22.3	24.3	24.2
Salem	99.9	101.7	102.9	.1	.1	.1	3.4	3.7	3.7
Pennsylvania	5,036.8	5,065.0	5,081.9	26.9	27.1	27.1	206.0	213.9	211.7
Allentown-Bethlehem	278.6	279.8	279.5	.5	.6	.5	12.8	12.4	12.3
Altoona	50.4	51.6	51.9	(¹)	(¹)	(¹)	2.1	2.2	2.3
Beaver County	48.2	49.0	49.0	(¹)	(¹)	(¹)	2.1	2.3	2.2
Erie	114.8	116.4	116.9	(¹)	(¹)	(¹)	2.9	3.3	3.2
Harrisburg-Lebanon-Carlisle	304.9	310.8	310.2	.4	.4	.4	12.5	13.3	13.4
Johnstown	79.2	80.2	79.9	2.6	2.6	2.6	2.3	2.5	2.3
Lancaster	184.6	185.1	187.1	.4	.4	.4	11.0	11.4	11.3
Philadelphia PMSA	2,178.6	2,174.0	2,181.7	1.0	1.1	1.0	96.8	92.6	93.9
Philadelphia City	762.4	762.8	769.7	(¹)	(¹)	(¹)	16.1	15.9	16.0
Pittsburgh	875.3	891.9	892.5	4.5	4.5	4.4	36.0	36.6	36.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
New Mexico	41.1	42.1	42.1	28.7	29.1	29.0	129.1	132.8	131.9
Albuquerque	20.9	21.0	21.0	12.5	12.6	12.6	59.6	59.9	59.6
Las Cruces	3.4	3.6	3.5	1.5	1.6	1.6	8.8	9.0	9.1
Santa Fe	1.7	1.7	1.7	.9	1.0	1.0	10.2	10.6	10.4
New York	1,193.8	1,153.8	1,167.4	413.7	418.7	419.1	1,690.8	1,722.8	1,708.4
Albany-Schenectady-Troy	47.1	46.2	46.3	17.0	17.4	17.4	89.3	92.3	91.9
Binghamton	37.2	34.7	34.7	4.3	4.5	4.5	25.0	25.3	25.2
Buffalo	76.9	72.8	76.8	21.5	22.1	21.9	111.7	116.3	116.4
Elmira	9.0	8.8	8.8	1.5	1.4	1.4	10.3	10.7	10.6
Nassau-Suffolk	165.7	158.4	159.0	49.1	50.8	50.8	295.6	298.8	294.1
New York PMSA	436.0	421.9	427.9	243.9	245.4	245.6	745.7	754.2	748.4
New York City	360.2	345.4	351.4	218.2	219.9	220.3	625.6	631.5	627.5
Niagara Falls	23.9	21.7	23.9	3.6	3.8	3.7	19.3	20.3	20.1
Orange County	14.7	13.3	13.3	6.3	6.6	6.7	28.9	29.3	29.2
Poughkeepsie	29.7	30.1	30.2	3.6	3.8	3.8	21.8	22.3	22.0
Rochester	138.6	132.4	132.5	14.9	15.3	15.3	100.5	105.8	104.4
Rockland County	15.2	14.8	14.7	4.8	5.1	5.1	22.7	23.5	23.2
Syracuse	53.2	52.3	52.3	18.4	19.0	19.2	72.4	75.6	74.7
Utica-Rome	24.7	23.8	23.7	4.3	4.4	4.4	26.6	28.1	27.6
Westchester County	58.6	59.8	59.7	20.2	19.6	19.5	93.0	94.9	93.3
North Carolina	866.7	864.4	861.1	149.2	152.2	152.8	688.4	722.3	719.7
Asheville	19.6	20.1	20.0	4.1	4.3	4.3	19.5	21.8	21.7
Charlotte-Gastonia-Rock Hill	154.2	154.8	154.5	48.9	49.9	50.0	149.9	156.2	155.6
Greensboro-Winston-Salem-High Point	152.9	148.1	148.4	26.9	26.0	26.1	110.9	112.5	111.4
Raleigh-Durham	61.7	63.9	63.8	19.5	21.1	21.1	87.7	91.4	91.1
North Dakota	16.3	16.8	16.9	16.6	16.9	17.0	66.0	68.5	67.8
Bismarck	2.0	2.1	2.2	2.6	2.9	2.9	9.7	10.2	10.1
Fargo-Moorhead	5.1	5.4	5.4	4.6	4.6	4.6	20.8	21.2	21.0
Grand Forks	1.7	1.6	1.6	1.5	1.7	1.7	8.6	9.2	9.1
Ohio	1,118.4	1,087.3	1,113.1	209.9	213.7	213.7	1,123.1	1,172.4	1,164.0
Akron	66.7	67.1	67.3	12.8	13.1	13.2	67.6	70.7	70.2
Canton	46.1	45.5	45.5	5.6	5.5	5.4	39.5	41.3	40.7
Cincinnati	144.2	148.9	149.1	37.9	39.8	39.9	182.2	192.9	191.6
Cleveland	206.1	205.6	206.6	40.1	41.8	41.6	218.7	225.5	224.0
Columbus	103.8	103.6	104.4	30.1	30.6	30.8	174.8	181.3	180.3
Dayton-Springfield	105.4	103.0	103.6	17.0	17.8	17.8	97.5	100.4	99.7
Toledo	62.4	51.1	59.2	13.6	14.2	14.1	71.4	74.6	73.7
Youngstown-Warren	51.0	41.5	49.0	7.5	7.6	7.7	50.5	53.4	52.9
Oklahoma	161.3	158.5	164.3	64.2	65.7	65.8	269.2	278.1	275.7
Enid	1.5	1.5	1.5	2.2	2.1	2.2	6.1	6.3	6.2
Lawton	3.3	3.4	3.4	1.9	1.7	1.7	8.3	8.6	8.5
Oklahoma City	48.5	43.9	49.1	20.3	20.2	20.6	101.1	102.4	102.2
Tulsa	52.2	53.1	53.3	23.7	24.5	24.4	70.7	73.5	73.0
Oregon	206.5	213.5	212.6	61.1	63.5	63.6	292.8	312.3	309.5
Eugene-Springfield	20.5	20.6	20.3	4.2	4.4	4.4	27.6	29.7	29.6
Portland	97.9	101.3	101.3	36.5	37.7	37.9	157.0	165.7	164.0
Salem	13.5	13.4	13.7	2.8	2.8	2.8	22.4	23.4	23.2
Pennsylvania	1,049.9	1,035.5	1,032.6	253.0	251.2	252.6	1,152.2	1,170.5	1,160.4
Allentown-Bethlehem	76.0	75.2	75.1	14.2	13.7	13.8	61.7	63.2	62.3
Altoona	10.2	10.1	10.2	4.4	4.5	4.5	13.5	14.1	14.0
Beaver County	9.1	9.0	8.9	5.1	5.2	5.2	11.2	11.5	11.5
Erie	35.9	36.4	36.2	4.3	4.3	4.3	24.8	25.0	24.9
Harrisburg-Lebanon-Carlisle	52.0	50.9	50.7	19.3	18.8	19.1	70.0	72.1	71.2
Johnstown	14.3	14.5	14.6	5.2	5.2	5.1	16.8	17.1	17.0
Lancaster	59.1	58.3	58.5	7.5	7.3	7.3	44.4	45.7	45.7
Philadelphia PMSA	367.5	361.0	360.2	101.2	99.0	99.1	507.4	513.9	505.7
Philadelphia City	88.7	85.1	85.5	42.5	41.7	41.7	145.4	149.5	147.5
Pittsburgh	122.8	122.4	121.8	47.7	48.9	49.0	220.6	224.8	223.1

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
New Mexico	26.0	26.7	26.6	136.3	138.6	139.5	146.2	145.6	151.3
Albuquerque	14.2	14.1	14.3	69.5	70.6	71.3	48.1	47.6	49.8
Las Cruces	1.6	1.7	1.7	7.2	7.8	7.8	17.0	17.3	18.1
Santa Fe	2.0	2.0	2.1	14.8	14.8	15.1	22.6	23.5	23.9
New York	786.2	787.4	787.8	2,288.4	2,338.4	2,366.2	1,454.3	1,447.6	1,468.1
Albany-Schenectady-Troy	24.1	24.8	24.8	110.1	112.5	113.8	113.3	113.4	114.8
Binghamton	4.1	4.1	4.1	23.8	24.6	24.5	21.6	21.6	21.9
Buffalo	27.7	28.4	28.3	119.8	123.2	125.1	75.5	75.0	75.7
Elmira	1.4	1.4	1.4	10.1	10.7	10.7	7.0	7.2	7.2
Nassau-Suffolk	81.7	83.2	83.4	290.6	299.7	301.7	187.0	185.4	188.3
New York PMSA	564.2	561.3	562.1	1,288.6	1,313.4	1,322.4	681.8	683.4	688.2
New York City	528.7	525.0	525.8	1,136.8	1,157.8	1,166.2	598.8	600.6	604.5
Niagara Falls	2.0	2.0	2.0	16.7	17.2	17.7	13.0	13.0	13.3
Orange County	4.6	4.8	4.8	23.0	23.5	23.7	23.5	24.4	24.8
Poughkeepsie	4.8	4.8	4.9	28.4	27.6	28.8	24.6	24.9	25.0
Rochester	22.4	22.9	22.9	120.1	121.3	123.0	68.1	65.9	68.1
Rockland County	5.2	5.4	5.3	26.1	26.7	26.7	21.4	21.6	21.5
Syracuse	19.6	20.0	19.9	74.5	74.9	77.1	52.8	52.3	53.2
Utica-Rome	7.1	7.5	7.5	26.9	27.4	28.1	31.4	31.4	32.3
Westchester County	29.6	30.2	30.2	120.5	123.8	124.4	57.5	57.2	58.1
North Carolina	129.8	131.2	131.6	540.0	564.0	570.6	479.2	478.4	486.1
Asheville	2.8	2.8	2.9	19.2	19.9	20.6	12.2	12.9	12.9
Charlotte-Gastonia-Rock Hill	37.6	38.3	38.4	111.6	117.3	118.2	67.7	70.5	72.4
Greensboro-Winston-Salem-High Point	23.5	23.4	23.5	93.8	95.9	97.0	54.2	55.2	55.3
Raleigh-Durham	23.5	23.7	23.8	105.1	109.2	110.8	94.2	92.5	96.3
North Dakota	12.1	12.3	12.4	64.1	66.4	66.7	66.5	65.8	66.6
Bismarck	1.5	1.5	1.5	11.4	11.7	11.7	8.9	8.8	8.9
Fargo-Moorhead	4.4	4.5	4.5	20.7	21.6	21.6	15.1	15.2	15.4
Grand Forks	1.1	1.2	1.2	6.9	7.0	7.0	9.8	9.7	10.1
Ohio	248.3	253.6	254.0	1,104.6	1,122.6	1,133.2	713.2	714.2	726.0
Akron	10.1	10.5	10.5	62.3	65.3	65.8	43.5	41.5	44.6
Canton	6.7	6.7	6.7	36.8	37.7	38.0	19.4	19.6	19.8
Cincinnati	41.9	42.5	42.5	175.8	179.0	180.7	91.8	91.0	93.0
Cleveland	56.3	56.9	57.0	244.8	248.1	249.7	117.4	118.7	120.1
Columbus	59.2	60.1	60.1	165.9	169.4	172.0	126.4	127.0	127.8
Dayton-Springfield	17.5	17.6	17.7	113.4	112.9	114.8	76.1	78.4	79.1
Toledo	11.9	11.9	11.9	73.3	74.9	75.1	44.9	43.6	44.8
Youngstown-Warren	8.4	8.7	8.7	45.0	46.1	46.1	24.8	24.9	25.4
Oklahoma	58.2	56.0	55.8	251.7	254.2	258.2	259.9	252.0	258.0
Enid .....	.9	.9	.9	5.2	5.1	5.4	3.7	3.8	3.8
Lawton	1.6	1.7	1.7	6.0	6.0	6.0	11.3	12.1	12.1
Oklahoma City	24.3	24.4	24.4	100.3	103.0	105.2	100.1	100.8	103.0
Tulsa	16.5	17.3	17.4	75.6	80.3	81.2	37.2	36.1	36.8
Oregon	73.6	75.3	75.5	271.9	280.0	284.3	216.9	219.6	223.0
Eugene-Springfield	5.3	5.7	5.7	25.9	28.0	28.3	23.8	23.9	24.8
Portland	48.2	49.5	49.7	152.2	155.7	158.5	81.9	83.8	84.8
Salem	5.2	5.4	5.3	21.2	21.6	22.0	31.3	31.3	32.1
Pennsylvania	292.5	295.7	295.5	1,350.2	1,371.0	1,390.0	706.1	700.1	712.0
Allentown-Bethlehem	14.3	14.5	14.5	68.2	69.1	69.9	30.9	31.1	31.1
Altoona	1.8	1.9	1.9	11.2	11.6	11.7	7.2	7.2	7.3
Beaver County	1.6	1.6	1.6	11.1	11.4	11.5	8.0	8.0	8.1
Erie	5.3	5.5	5.5	27.3	28.0	28.7	14.3	13.9	14.1
Harrisburg-Lebanon-Carlisle	19.3	21.2	21.0	65.1	67.0	67.2	66.3	67.1	67.2
Johnstown	4.5	4.4	4.4	20.7	21.2	21.2	12.8	12.7	12.7
Lancaster	7.1	7.5	7.3	38.6	39.1	39.9	16.5	15.4	16.7
Philadelphia PMSA	159.4	152.6	152.4	640.9	647.1	660.6	304.4	306.7	308.8
Philadelphia City	70.0	69.0	68.6	258.3	258.6	267.0	141.4	143.0	143.4
Pittsburgh	52.4	54.5	54.7	284.6	293.8	294.8	106.7	106.4	108.5

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Pennsylvania-Continued									
Reading	151.7	154.3	154.5	(¹)	(¹)	(¹)	6.3	6.6	6.5
Scranton-Wilkes-Barre	299.3	303.0	304.2	0.5	0.6	0.6	12.0	12.7	12.5
Williamsport	50.9	51.2	51.8	(¹)	(¹)	(¹)	2.1	2.3	2.3
York	178.3	180.0	180.0	.5	.4	.4	9.8	10.2	10.2
Rhode Island	454.2	453.6	454.1	.1	.1	.1	17.9	17.6	17.5
Pawtucket-Woonsocket-Attleboro	130.6	132.1	132.3	.2	.2	.2	4.6	4.7	4.5
Providence	322.4	328.1	328.4	.1	.1	.1	13.0	14.0	13.9
South Carolina	1,465.8	1,512.3	1,521.1	1.9	1.8	1.8	89.2	97.3	98.4
Charleston	193.7	199.9	201.1	(¹)	(¹)	(¹)	13.0	14.4	14.5
Columbia	237.3	238.1	240.7	(¹)	(¹)	(¹)	14.2	13.7	14.1
Greenville-Spartanburg	327.3	335.9	337.5	(¹)	(¹)	(¹)	22.9	23.0	23.0
South Dakota	263.6	270.4	270.9	2.5	2.7	2.6	7.4	8.1	7.7
Rapid City	33.7	36.3	35.9	.2	.3	.3	1.4	1.6	1.5
Sioux Falls	68.6	70.5	70.8	(¹)	(¹)	(¹)	2.2	2.6	2.5
Tennessee	2,092.8	2,148.3	2,149.9	6.1	6.2	6.2	86.4	92.6	91.1
Chattanooga	194.2	196.1	195.9	.6	.8	.8	7.4	8.2	8.0
Johnson City-Kingsport-Bristol	165.2	169.1	170.4	(¹)	(¹)	(¹)	7.0	7.2	7.7
Knoxville	255.2	261.3	259.3	1.8	1.9	1.9	12.9	14.8	14.5
Memphis	451.1	458.3	461.0	(¹)	(¹)	(¹)	18.0	19.1	19.1
Nashville	490.2	490.3	494.0	(¹)	(¹)	(¹)	23.2	24.7	24.0
Texas	6,721.7	6,852.4	6,875.5	173.2	174.6	174.7	306.9	312.7	314.1
Abilene	48.6	48.7	48.8	1.5	1.4	1.4	1.6	1.4	1.4
Amarillo	75.7	76.0	75.4	1.3	1.2	1.1	3.1	3.3	3.2
Austin	359.7	366.4	368.0	.7	.6	.6	11.6	10.7	10.6
Beaumont-Port Arthur	133.2	136.8	136.2	1.5	1.6	1.6	9.4	10.1	10.1
Brazoria	60.8	63.0	63.3	2.0	2.0	2.0	7.9	8.4	8.5
Brownsville-Harlingen	71.8	75.2	75.0	(¹)	(¹)	(¹)	2.0	2.1	2.1
Bryan-College Station	51.9	50.8	53.1	.5	.5	.5	1.7	1.5	1.4
Corpus Christi	125.7	128.6	129.4	3.7	3.5	3.5	8.3	10.2	10.4
Dallas	1,329.8	1,351.2	1,354.7	17.7	17.1	17.1	45.8	44.4	44.3
El Paso	198.4	205.5	207.4	(¹)	(¹)	(¹)	7.5	8.4	8.5
Ft. Worth-Arlington	551.4	564.6	569.1	3.7	4.1	4.0	19.5	20.6	21.3
Galveston-Texas City	72.4	73.7	73.6	.5	.6	.6	5.6	6.3	6.3
Houston	1,470.2	1,522.8	1,526.6	65.2	66.5	67.4	90.8	97.7	98.6
Killeen-Temple	71.0	73.7	73.7	(¹)	(¹)	(¹)	3.3	3.0	3.0
Laredo	40.9	43.5	43.2	1.6	1.6	1.6	1.1	1.2	1.2
Longview-Marshall	66.1	68.0	68.5	3.3	3.4	3.3	2.9	3.5	3.5
Lubbock	93.4	95.4	95.6	.4	.3	.3	3.1	2.9	3.0
McAllen-Edinburg-Mission	98.7	98.8	98.7	.9	.9	.9	4.1	4.2	4.1
Midland	44.5	44.5	44.6	8.9	8.6	8.5	1.5	1.3	1.3
Odessa	42.4	42.5	42.5	5.1	5.1	5.1	2.0	2.0	2.0
San Angelo	36.9	36.4	36.1	.5	.6	.6	1.3	1.1	1.1
San Antonio	508.5	511.2	512.1	2.1	2.2	2.2	21.5	20.6	20.8
Sherman-Denison	36.5	37.2	37.2	(¹)	(¹)	(¹)	1.5	1.7	1.8
Texarkana	45.5	47.1	47.0	.1	.1	.1	1.4	1.5	1.4
Tyler	60.8	61.3	61.8	1.7	1.7	1.7	1.5	1.7	1.6
Victoria	27.2	28.0	28.1	1.3	1.3	1.3	1.4	1.7	1.7
Waco	79.2	81.2	81.6	(¹)	(¹)	(¹)	2.8	2.8	2.8
Wichita Falls	49.5	50.7	50.7	1.5	1.4	1.4	1.6	1.5	1.5
Utah	666.7	694.6	697.2	7.5	8.3	8.3	20.5	22.5	21.8
Provo-Orem	83.3	87.5	88.2	(¹)	(¹)	(¹)	2.2	2.3	2.2
Salt Lake City-Ogden	457.7	477.9	478.6	2.4	2.7	2.7	14.4	16.5	16.3
Vermont	260.2	262.6	262.1	.4	.5	.5	15.6	16.8	16.0
Barre-Montpelier	34.4	34.4	34.5	(¹)	(¹)	(¹)	2.0	2.6	2.5
Burlington	79.2	79.4	81.0	(¹)	(¹)	(¹)	4.8	5.0	5.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Pennsylvania-Continued									
Reading	48.5	47.8	46.9	6.6	6.6	6.9	33.2	34.8	34.2
Scranton-Wilkes-Barre	71.1	69.6	70.0	15.8	16.1	16.2	70.4	72.7	72.3
Williamsport	16.0	15.9	16.0	1.7	1.8	1.8	11.5	11.8	11.8
York	61.9	59.5	59.4	7.5	7.4	7.4	42.4	44.6	44.1
Rhode Island									
Pawtucket-Woonsocket-Attleboro	109.3	106.4	106.9	15.1	14.9	15.0	104.4	105.3	104.8
Providence	49.6	49.3	49.5	3.8	3.9	3.8	33.4	33.9	34.0
	70.0	69.0	69.6	11.4	11.3	11.3	71.2	73.2	72.7
South Carolina									
Charleston	389.1	391.3	390.2	62.5	64.0	64.4	322.2	337.5	337.0
Columbia	20.9	20.8	21.0	10.2	10.5	10.8	47.3	50.1	49.9
Greenville-Spartanburg	29.1	28.5	28.6	10.8	10.8	10.7	53.1	54.1	53.9
	104.3	102.5	102.3	12.6	13.1	13.1	75.3	78.7	78.4
South Dakota									
Rapid City	31.3	31.2	31.5	13.1	13.1	13.1	68.1	71.6	71.2
Sioux Falls	3.4	3.7	3.8	1.8	2.0	2.0	9.7	10.5	10.2
	8.5	8.2	8.4	5.1	5.2	5.2	18.9	20.1	19.8
Tennessee									
Chattanooga	516.0	523.6	522.8	111.9	114.2	113.7	491.3	504.1	500.4
Johnson City-Kingsport-Bristol	47.5	47.0	47.1	8.2	7.7	7.7	46.5	46.3	45.2
Knoxville	53.0	54.3	54.1	6.2	6.3	6.3	37.3	38.7	38.2
Memphis	51.8	51.6	50.6	10.5	10.3	10.4	65.0	67.8	66.1
Nashville	61.2	61.0	61.4	44.3	46.8	46.9	121.3	124.3	124.1
	89.6	89.8	89.9	26.7	26.4	26.8	118.9	117.5	117.3
Texas									
Abilene	965.1	961.9	965.1	394.1	407.2	406.1	1,651.5	1,691.5	1,680.3
Amarillo	4.8	4.9	5.0	2.5	2.6	2.6	13.2	13.2	13.2
Austin	8.8	9.0	9.0	5.5	5.6	5.6	21.9	21.7	21.1
Beaumont-Port Arthur	42.7	45.5	45.5	11.0	11.1	11.3	77.2	78.5	77.9
Brazoria	24.6	24.7	24.4	9.6	9.5	9.4	31.2	32.5	32.1
Brownsville-Harlingen	15.7	16.0	16.0	2.4	2.6	2.5	11.0	11.8	11.7
Bryan-College Station	10.3	10.7	10.8	3.0	3.1	3.0	19.2	20.7	20.5
Corpus Christi	3.5	3.7	3.7	1.3	1.4	1.4	11.8	11.2	11.5
Dallas	11.6	11.4	11.6	6.5	6.7	6.7	31.4	32.0	31.9
El Paso	223.4	221.5	221.7	75.1	79.8	79.6	339.9	353.0	352.8
Ft. Worth-Arlington	40.1	40.7	40.4	10.7	10.4	10.3	49.3	52.1	52.2
Galveston-Texas City	119.2	117.5	120.2	50.5	53.7	54.6	141.1	143.7	142.6
Houston	8.5	9.1	9.0	4.7	4.6	4.7	13.3	13.6	13.5
Killeen-Temple	160.0	162.7	162.9	103.9	106.4	106.3	358.4	369.0	365.5
Laredo	8.5	8.7	8.6	2.6	2.7	2.7	16.1	16.5	16.3
Longview-Marshall	1.7	1.8	1.8	5.4	6.1	6.1	13.0	14.1	13.8
Lubbock	15.8	16.3	16.5	3.2	3.3	3.5	16.8	17.0	16.8
McAllen-Edinburg-Mission	7.3	7.3	7.3	4.9	5.7	5.7	27.1	27.5	27.3
Midland	13.3	12.3	12.5	2.9	3.1	3.0	31.2	31.1	30.8
Odessa	2.3	2.4	2.3	2.3	2.3	2.3	10.5	10.9	10.9
San Angelo	4.0	4.1	4.1	1.9	1.9	1.9	12.5	12.5	12.5
San Antonio	5.5	5.2	5.1	3.0	2.7	2.6	9.0	8.8	8.8
Sherman-Denison	47.9	48.0	47.7	19.5	19.5	19.7	127.9	128.7	128.0
Texarkana	10.7	10.9	10.9	1.7	1.5	1.5	7.8	8.0	8.0
Tyler	7.3	7.2	7.1	2.1	2.4	2.4	10.4	10.7	10.5
Victoria	11.0	10.6	10.9	2.5	2.7	2.7	16.1	16.4	16.3
Waco	3.3	3.0	3.1	1.3	1.3	1.3	7.4	7.6	7.5
Wichita Falls	15.0	15.9	15.9	3.4	3.5	3.5	18.2	18.3	18.3
	8.2	8.4	8.5	2.5	2.5	2.5	11.2	11.9	11.8
Utah									
Provo-Orem	100.6	102.0	102.8	39.9	41.8	42.4	157.5	168.9	167.9
Salt Lake City-Ogden	13.4	13.3	13.4	2.7	2.6	2.6	17.5	19.8	19.7
	65.1	66.5	66.6	30.7	31.7	31.8	113.6	120.0	118.7
Vermont									
Barre-Montpelier	48.4	46.2	45.9	10.4	10.5	10.5	61.2	62.3	61.2
Burlington	4.7	4.6	4.9	.8	.9	.9	7.7	7.8	7.5
	16.4	15.6	15.6	3.3	3.4	3.4	19.7	19.9	19.9

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Pennsylvania-Continued									
Reading	8.5	9.0	9.1	30.9	32.0	32.5	17.7	17.5	18.4
Scranton-Wilkes-Barre	12.7	13.5	13.5	74.7	76.2	76.4	42.1	41.6	42.7
Williamsport	2.3	2.3	2.3	10.1	10.4	10.5	7.2	6.7	7.1
York	4.9	5.1	5.1	32.6	33.8	34.3	18.7	19.0	19.1
Rhode Island									
Pawtucket-Woonsocket-Attleboro	26.6	26.6	26.6	121.2	123.2	123.5	59.6	59.5	59.7
Providence	3.8	3.9	4.0	24.9	26.1	26.2	10.3	10.1	10.1
Providence	22.1	21.2	21.3	89.5	93.9	94.0	45.1	45.4	45.5
South Carolina									
Charleston	65.7	68.3	68.7	261.9	275.6	278.1	273.3	276.5	282.5
Charleston	8.5	8.4	8.5	40.7	41.8	42.7	53.1	53.9	53.7
Columbia	17.7	18.2	18.3	46.7	46.7	47.3	65.7	66.1	67.8
Greenville-Spartanburg	12.0	12.2	12.2	59.1	63.7	65.0	41.1	42.7	43.5
South Dakota									
Rapid City	15.0	16.2	16.1	64.4	65.6	66.2	61.8	61.9	62.5
Rapid City	1.6	1.6	1.5	8.6	9.3	9.3	7.0	7.3	7.3
Sioux Falls	7.1	7.6	7.6	19.1	18.8	19.3	7.7	8.0	8.0
Tennessee									
Chattanooga	102.5	102.6	102.8	446.4	464.3	468.7	332.2	340.7	344.2
Chattanooga	12.4	12.9	12.9	37.2	39.7	39.9	34.4	33.5	34.3
Johnson City-Kingsport-Bristol	5.4	5.3	5.3	31.7	31.8	32.2	24.7	25.5	26.5
Knoxville	10.0	9.7	9.7	52.4	54.2	54.3	50.8	51.1	51.3
Memphis	25.3	25.9	25.9	104.9	106.8	107.3	76.1	74.4	75.8
Nashville	32.5	31.9	31.9	129.5	131.6	134.2	69.8	68.4	69.9
Texas									
Abilene	431.5	432.1	432.7	1,573.1	1,628.6	1,640.4	1,226.3	1,243.8	1,262.1
Abilene	2.4	2.2	2.2	13.6	14.1	14.1	9.0	8.9	8.9
Amarillo	4.2	4.0	4.0	16.7	16.9	17.0	14.2	14.3	14.4
Austin	23.5	23.6	23.8	87.4	91.3	91.5	105.6	105.1	106.8
Beaumont-Port Arthur	5.2	5.3	5.3	30.7	32.0	32.1	21.0	21.1	21.2
Brazoria	1.8	1.8	1.8	8.5	8.9	9.0	11.5	11.5	11.8
Brownsville-Harlingen	3.6	3.8	3.7	16.5	17.5	17.3	17.2	17.3	17.6
Bryan-College Station	1.6	1.8	1.8	8.9	8.9	9.1	22.6	21.8	23.7
Corpus Christi	6.5	6.3	6.4	29.4	30.3	30.4	28.3	28.2	28.5
Dallas	128.6	129.9	130.5	342.2	345.8	347.3	157.1	159.7	161.4
El Paso	8.7	8.5	8.6	39.1	41.5	42.0	43.0	43.9	45.4
Ft. Worth-Arlington	27.4	27.9	28.0	119.4	123.0	124.3	70.6	74.1	74.1
Gauleston-Texas City	4.5	4.4	4.4	13.4	13.4	13.4	21.9	21.7	21.7
Houston	100.3	101.2	101.2	396.4	418.0	421.3	195.2	201.3	203.4
Killeen-Temple	2.9	3.2	3.2	16.4	17.4	17.4	21.2	22.2	22.5
Laredo	1.8	1.9	1.9	6.7	7.2	7.1	9.6	9.6	9.7
Longview-Marshall	2.7	2.7	2.7	12.7	13.1	13.5	8.7	8.7	8.7
Lubbock	5.3	5.4	5.4	23.2	23.3	23.4	22.1	23.0	23.2
McAllen-Edinburg-Mission	4.2	4.3	4.2	16.1	16.6	16.6	26.0	26.3	26.6
Midland	2.5	2.4	2.4	9.6	9.6	9.6	6.9	7.0	7.3
Odessa	1.6	1.5	1.6	7.5	7.5	7.4	7.8	7.9	7.9
San Angelo	1.7	1.7	1.6	8.7	8.8	8.8	7.2	7.5	7.5
San Antonio	40.5	41.2	41.2	129.4	131.0	131.3	119.7	120.0	121.2
Sherman-Denison	1.9	2.0	1.9	8.4	8.7	8.7	4.5	4.4	4.4
Texarkana	1.9	1.8	1.8	9.8	10.6	10.8	12.5	12.8	12.9
Tyler	3.4	3.4	3.5	14.4	15.0	15.2	10.2	9.8	9.9
Victoria	1.5	1.5	1.5	6.0	5.9	5.9	5.0	5.7	5.8
Waco	4.9	5.2	5.1	21.8	22.4	22.8	13.1	13.1	13.2
Wichita Falls	2.3	2.4	2.4	12.4	12.7	12.7	9.8	9.9	9.9
Utah									
Provo-Orem	33.0	33.3	33.3	161.0	169.3	171.3	146.7	148.5	149.4
Provo-Orem	2.3	2.2	2.2	31.3	33.0	33.9	13.9	14.3	14.2
Salt Lake City-Ogden	26.8	27.2	27.2	108.4	115.0	116.0	96.3	98.3	99.3
Vermont									
Barre-Montpelier	12.5	13.1	13.0	68.3	70.0	70.2	43.4	43.2	44.8
Barre-Montpelier	3.1	3.1	3.1	8.1	8.0	7.9	8.0	7.4	7.7
Burlington	3.9	4.1	4.0	18.3	19.6	20.4	12.8	11.8	12.7

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	Total			Mining			Construction		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Virginia	2,789.5	2,870.0	2,875.6	15.7	15.3	15.1	185.7	185.0	186.1
Bristol	32.5	33.4	33.4	(¹)	(¹)	(¹)	1.0	1.0	1.0
Charlottesville	69.5	75.5	77.1	(¹)	(¹)	(¹)	4.0	4.1	4.1
Danville	41.6	43.3	42.9	(¹)	(¹)	(¹)	2.0	2.2	2.1
Lynchburg	74.9	77.2	77.4	(¹)	(¹)	(¹)	3.5	3.4	3.3
Norfolk-Virginia Beach-Newport News	564.3	580.0	580.8	(¹)	(¹)	(¹)	35.9	36.2	36.8
Northern Virginia	755.2	778.8	776.7	.5	.6	.5	60.3	56.8	56.4
Richmond-Petersburg	459.7	471.6	472.3	.8	.8	.8	29.4	29.8	30.1
Roanoke	123.3	125.4	125.0	(¹)	(¹)	(¹)	7.3	7.3	7.2
Washington	1,959.7	2,070.1	2,069.6	3.2	3.6	3.6	90.6	104.0	102.3
Seattle	1,011.5	1,077.8	1,078.2	.5	.5	.5	49.1	55.5	53.8
West Virginia	599.2	611.1	613.5	34.7	35.0	35.2	19.0	21.0	20.5
Charleston	105.9	109.0	109.1	2.0	1.9	2.0	3.6	3.8	3.8
Huntington-Ashland	106.7	109.0	109.3	1.3	1.4	1.4	4.1	5.6	5.5
Parkersburg-Marietta	58.9	61.2	61.4	.5	.5	.5	2.4	3.1	3.1
Wheeling	58.0	60.0	60.2	2.2	2.3	2.3	1.7	1.9	1.9
Wisconsin	2,164.8	2,207.3	2,216.0	1.5	1.6	1.5	63.0	77.0	74.3
Appleton-Oshkosh-Neenah	150.7	154.9	154.9	(¹)	(¹)	(¹)	5.7	6.6	6.3
Eau Claire	58.3	58.8	60.2	(¹)	(¹)	(¹)	1.3	1.7	1.8
Green Bay	97.1	101.6	101.8	(¹)	(¹)	(¹)	3.4	5.0	4.7
Janesville-Beloit	57.7	55.3	58.6	(¹)	(¹)	(¹)	1.5	2.0	2.1
Kenosha	40.1	39.5	39.2	(¹)	(¹)	(¹)	1.3	1.6	1.5
La Crosse	53.0	52.3	53.1	(¹)	(¹)	(¹)	1.3	1.6	1.6
Madison	205.9	208.9	211.2	(¹)	(¹)	(¹)	6.6	7.3	7.1
Milwaukee	726.8	750.5	752.0	(¹)	(¹)	(¹)	21.8	26.9	26.1
Racine	74.3	77.3	77.0	(¹)	(¹)	(¹)	1.9	2.8	2.8
Wausau	50.2	53.5	53.4	(¹)	(¹)	(¹)	1.8	2.0	2.1
Wyoming	181.3	187.4	186.2	16.1	16.7	16.5	7.7	8.2	7.9
Puerto Rico	820.1	(²)	(²)	.8	(²)	(²)	42.1	(²)	(²)
Caguas	52.2	(²)	(²)	(¹)	(¹)	(¹)	(²)	(²)	(²)
Mayaguez	58.3	(²)	(²)	(¹)	(¹)	(¹)	(²)	(²)	(²)
Ponce	53.2	(²)	(²)	(¹)	(¹)	(¹)	(²)	(²)	(²)
San Juan	507.1	(²)	(²)	.4	(²)	(²)	30.2	(²)	(²)
Virgin Islands	42.7	40.4	40.7	(¹)	(¹)	(¹)	2.4	2.5	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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Virginia	426.1	424.9	424.0	146.9	152.9	152.5	634.0	659.6	649.9
Bristol	10.5	10.8	10.8	1.3	1.3	1.3	8.4	8.8	8.7
Charlottesville	9.1	9.0	9.0	2.6	2.7	2.7	13.9	15.2	15.0
Danville	17.1	17.2	17.1	1.0	1.1	1.1	8.6	9.2	9.0
Lynchburg	23.8	23.9	23.6	2.9	2.9	2.8	16.3	17.1	17.2
Norfolk-Virginia Beach-Newport News	68.2	66.1	66.5	26.7	27.0	27.0	137.4	142.8	140.4
Northern Virginia	35.0	35.0	34.8	52.8	54.9	54.5	169.4	178.1	175.0
Richmond-Petersburg	64.4	63.8	63.7	24.2	24.6	24.5	109.1	112.1	109.8
Roanoke	19.8	19.7	19.8	8.1	7.8	7.9	33.4	33.9	33.0
Washington	345.1	363.3	360.6	102.2	110.1	109.3	476.5	506.9	501.9
Seattle	206.2	219.9	219.7	62.0	68.7	68.4	245.0	259.8	257.8
West Virginia	87.0	87.3	87.5	36.0	36.3	36.3	140.2	143.5	142.9
Charleston	10.4	10.8	10.9	8.7	9.2	9.1	27.7	28.8	28.4
Huntington-Ashland	20.1	20.5	20.4	8.1	7.0	6.9	26.3	27.7	27.5
Parkersburg-Marietta	14.1	14.1	14.2	2.4	2.5	2.5	14.4	15.3	15.2
Wheeling	7.1	7.2	7.2	3.2	3.3	3.4	15.8	16.8	16.8
Wisconsin	550.0	545.4	548.9	96.6	98.0	97.8	505.7	530.2	524.3
Appleton-Oshkosh-Neenah	52.7	53.5	53.5	5.2	5.4	5.4	32.4	34.0	33.5
Eau Claire	11.3	10.7	10.9	3.3	3.3	3.4	16.1	16.6	16.7
Green Bay	23.6	24.5	24.2	7.0	7.1	7.1	25.2	26.4	26.1
Janesville-Beloit	19.2	14.5	17.7	2.3	2.2	2.2	13.2	13.4	13.3
Kenosha	12.0	9.6	9.6	1.0	1.5	1.4	9.4	10.3	10.1
La Crosse	10.6	10.0	9.9	2.3	2.4	2.4	14.4	14.3	14.3
Madison	24.3	24.8	24.7	6.8	6.6	5.9	46.5	49.2	49.0
Milwaukee	174.2	172.9	174.7	35.4	36.2	35.0	165.9	175.4	173.5
Racine	26.4	26.5	26.4	2.3	2.3	2.4	17.0	18.2	17.9
Wausau	13.9	15.1	14.9	2.8	3.0	3.0	12.5	13.6	13.4
Wyoming	8.1	8.7	8.4	13.8	14.1	13.9	40.8	43.1	42.4
Puerto Rico	159.2	(²)	(²)	17.7	(²)	(²)	145.4	(²)	(²)
Caguas	16.6	(²)	(²)	(²)	(²)	(²)	11.0	(²)	(²)
Mayaguez	21.0	(²)	(²)	(²)	(²)	(²)	7.6	(²)	(²)
Ponce	10.1	(²)	(²)	(²)	(²)	(²)	8.7	(²)	(²)
San Juan	66.7	(²)	(²)	14.3	(²)	(²)	100.6	(²)	(²)
Virgin Islands	2.4	2.1	2.1	2.5	2.2	2.1	10.3	9.8	10.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Virginia	148.3	153.2	153.5	673.2	701.1	708.8	559.6	578.0	585.7
Bristol	1.2	1.2	1.2	4.9	5.0	5.1	5.2	5.3	5.3
Charlottesville	4.3	4.6	4.6	12.7	13.5	13.6	22.9	26.4	28.1
Danville	1.3	1.3	1.3	6.2	6.7	6.7	5.4	5.6	5.6
Lynchburg	3.6	3.7	3.7	15.4	16.5	17.0	9.4	9.7	9.8
Norfolk-Virginia Beach-Newport News	25.7	26.8	27.0	138.5	144.5	146.0	131.9	136.6	137.1
Northern Virginia	50.1	51.8	51.7	243.9	252.2	253.2	143.2	149.4	150.6
Richmond-Petersburg	37.9	39.7	39.8	98.8	104.4	104.9	95.1	96.4	98.7
Roanoke	8.7	8.8	8.9	30.6	32.1	32.3	15.4	15.8	15.9
Washington	108.9	114.2	114.3	453.7	481.4	484.3	379.5	386.6	393.3
Seattle	69.5	72.4	72.5	239.9	257.3	259.4	139.3	143.7	146.1
West Virginia	23.8	24.2	24.3	132.9	138.5	140.0	125.6	125.3	126.8
Charleston	6.1	6.3	6.3	26.5	27.9	28.2	20.9	20.3	20.4
Huntington-Ashland	3.7	3.9	3.8	23.4	24.1	24.5	19.7	18.8	19.3
Parkersburg-Marietta	2.1	2.2	2.2	13.5	14.2	14.2	9.5	9.3	9.5
Wheeling	2.8	3.0	3.0	16.0	16.5	16.6	9.2	9.0	9.0
Wisconsin	115.7	118.4	118.3	492.9	508.0	510.5	339.4	328.8	340.4
Appleton-Oshkosh-Neenah	7.3	7.4	7.4	30.2	30.9	31.3	17.3	17.0	17.6
Eau Claire	1.9	1.9	1.9	13.2	14.2	14.4	11.2	10.3	11.1
Green Bay	3.6	4.1	4.1	22.9	23.5	24.1	11.4	11.1	11.4
Janesville-Beloit	1.6	1.6	1.6	12.7	13.5	13.6	7.2	8.0	8.1
Kenosha	1.3	1.3	1.3	8.8	9.0	9.0	6.4	6.2	6.3
La Crosse	1.6	1.6	1.7	14.9	15.2	15.4	7.9	7.1	7.9
Madison	18.3	18.7	18.6	46.1	47.5	47.8	57.1	54.8	57.1
Milwaukee	49.3	50.7	50.9	195.0	204.7	206.0	85.0	83.5	84.8
Racine	2.3	2.4	2.4	16.3	16.7	16.6	8.2	8.4	8.5
Wausau	3.5	3.5	3.4	9.3	10.2	10.2	6.4	6.2	6.4
Wyoming	7.2	7.2	7.1	32.6	34.4	34.3	55.0	55.0	55.7
Puerto Rico	35.9	(²)	(²)	123.0	(²)	(²)	296.0	(²)	(²)
Caguas	(²)	(²)	(²)	(²)	(²)	(²)	16.1	(²)	(²)
Mayaguez	(²)	(²)	(²)	(²)	(²)	(²)	19.2	(²)	(²)
Ponce	(²)	(²)	(²)	10.2	(²)	(²)	17.1	(²)	(²)
San Juan	28.5	(²)	(²)	89.5	(²)	(²)	176.8	(²)	(²)
Virgin Islands	2.0	1.8	1.8	9.9	8.6	8.8	13.2	13.4	13.3

¹ Combined with construction.

² Not available.

^P = preliminary.

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

All State and area data have been adjusted to March 1989 benchmarks, and industry detail are classified in accordance with the 1987 *Standard Industrial Classification (SIC) Manual*.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988	34.7	9.29	322.36	42.3	12.75	539.33	37.9	13.01	493.08
1989	34.7	9.66	335.20	42.8	13.14	562.39	37.9	13.37	506.72
Monthly data, not seasonally adjusted									
1989:									
March	34.4	\$9.56	\$328.86	42.0	\$13.15	\$552.30	37.4	\$13.26	\$495.92
April	34.8	9.62	334.78	42.8	13.19	564.53	37.9	13.30	504.07
May	34.5	9.59	330.86	42.0	13.13	551.46	37.7	13.28	500.66
June	34.8	9.58	333.38	42.6	13.03	555.08	38.0	13.24	503.12
July	35.1	9.63	338.01	42.5	12.95	550.38	38.9	13.33	518.54
August	34.9	9.61	335.39	43.2	13.11	566.35	39.0	13.33	519.87
September	34.7	9.77	339.02	43.7	13.15	574.66	38.6	13.48	520.33
October	34.8	9.81	341.39	43.9	13.10	575.09	39.2	13.52	529.98
November	34.5	9.81	338.45	43.6	13.13	572.47	38.1	13.51	514.73
December	34.7	9.84	341.45	43.7	13.31	581.65	37.0	13.64	504.68
1990:									
January	34.2	9.88	337.90	43.6	13.31	580.32	37.6	13.42	504.59
February ^p	34.3	9.91	339.91	43.2	13.31	574.99	37.2	13.42	499.22
March ^p	34.4	9.93	341.59	42.9	13.38	574.00	37.9	13.46	510.13

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1964	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.55	329.18
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.89	342.27
1985	40.5	9.54	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	38.3	9.35	358.11
1987	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.60	365.76
1988	41.1	10.18	9.72	418.40	39.3	12.32	484.18	38.1	9.94	378.71
1989	41.0	10.47	10.01	429.27	39.4	12.57	495.26	38.1	10.38	395.48
Monthly data, not seasonally adjusted										
1989:										
March	41.0	\$10.41	\$9.94	\$426.81	39.2	\$12.46	\$488.43	37.9	\$10.21	\$386.96
April	41.0	10.41	9.95	426.81	39.8	12.51	497.90	38.2	10.36	395.75
May	40.9	10.42	9.98	426.18	39.3	12.49	490.86	37.9	10.28	389.61
June	41.1	10.44	9.98	429.08	39.6	12.48	494.21	38.1	10.31	392.81
July	40.5	10.47	10.02	424.04	39.8	12.58	500.68	38.3	10.40	398.32
August	40.8	10.44	9.97	425.95	39.4	12.56	494.86	38.1	10.35	394.34
September	41.2	10.55	10.05	434.66	39.4	12.70	500.38	38.1	10.47	398.91
October	40.9	10.52	10.04	430.27	39.4	12.69	499.99	38.3	10.50	402.15
November	41.1	10.58	10.10	434.84	39.1	12.67	495.40	38.1	10.55	401.96
December	41.3	10.67	10.19	440.67	39.3	12.76	501.47	38.2	10.62	405.68
1990:										
January	40.6	10.59	10.15	429.95	38.8	12.80	496.64	37.8	10.61	401.06
February ^p	40.4	10.66	10.23	430.66	39.0	12.82	499.98	37.7	10.65	401.51
March ^p	40.6	10.73	10.28	435.64	39.0	12.82	499.98	37.9	10.67	404.39

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988	29.1	6.31	183.62	35.9	9.09	326.33	32.6	8.91	290.47
1989	28.9	6.54	189.01	35.9	9.57	343.56	32.6	9.39	306.11
Monthly data, not seasonally adjusted									
1989:									
March	28.5	\$6.48	\$184.68	35.8	\$9.43	\$337.59	32.4	\$9.29	\$301.00
April	28.9	6.52	188.43	36.3	9.59	348.12	32.8	9.34	306.35
May	28.8	6.49	186.91	35.6	9.48	337.49	32.4	9.30	301.32
June	29.2	6.49	189.51	35.8	9.48	339.38	32.7	9.26	302.80
July	29.9	6.49	194.05	36.3	9.59	348.12	33.1	9.33	308.82
August	29.6	6.50	192.40	35.8	9.50	340.10	32.9	9.29	305.64
September	28.9	6.61	191.03	35.7	9.62	343.43	32.6	9.49	309.37
October	28.9	6.62	191.32	36.1	9.71	350.53	32.8	9.59	314.55
November	28.6	6.64	189.90	35.7	9.69	345.93	32.6	9.61	313.29
December	29.2	6.66	194.47	35.7	9.76	348.43	32.5	9.69	314.93
1990:									
January	28.1	6.74	189.39	35.7	9.82	350.57	32.4	9.73	315.25
February ^p	28.3	6.73	190.46	35.8	9.91	354.78	32.5	9.75	316.88
March ^p	28.5	6.73	191.81	35.6	9.91	352.80	32.5	9.76	317.20

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

^p = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Total private		34.3	34.4	34.2	34.3	34.4	-	-	-	-	-
Mining		41.7	42.0	43.6	43.2	42.9	-	-	-	-	-
Metal mining	10	42.5	42.4	43.1	42.3	-	-	-	-	-	-
Iron ores	101	43.9	42.7	43.5	43.5	-	-	-	-	-	-
Copper ores	102	44.6	45.0	47.5	45.2	-	-	-	-	-	-
Coal mining	11,12	42.7	42.2	44.8	44.1	-	-	-	-	-	-
Bituminous coal and lignite mining	12	42.8	42.2	44.9	44.2	-	-	-	-	-	-
Oil and gas extraction	13	40.9	41.2	43.2	42.9	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids	131,2	41.7	41.2	43.1	42.4	-	-	-	-	-	-
Oil and gas field services	138	40.3	41.1	43.2	43.2	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	42.6	44.0	43.8	43.3	-	-	-	-	-	-
Crushed and broken stone	142	43.2	44.4	43.7	43.4	-	-	-	-	-	-
Construction		36.2	37.4	37.6	37.2	37.9	-	-	-	-	-
General building contractors	15	36.4	37.1	37.4	37.0	-	-	-	-	-	-
Residential building construction	152	35.3	35.9	36.2	36.1	-	-	-	-	-	-
Operative builders	153	37.3	38.3	37.4	38.0	-	-	-	-	-	-
Nonresidential building construction	154	37.6	38.4	38.7	38.0	-	-	-	-	-	-
Heavy construction contractors	16	38.4	41.0	41.7	40.8	-	-	-	-	-	-
Highway and street construction	161	37.1	40.4	40.4	39.6	-	-	-	-	-	-
Heavy construction, except highway	162	38.9	41.3	42.1	41.2	-	-	-	-	-	-
Special trade contractors	17	35.5	36.5	36.6	36.4	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	37.8	38.1	38.4	37.8	-	-	-	-	-	-
Painting, paper hanging, and decorating	172	34.8	35.4	35.1	35.7	-	-	-	-	-	-
Electrical work	173	38.0	38.5	38.8	38.8	-	-	-	-	-	-
Masonry, stonework, and plastering	174	33.2	34.7	34.4	34.2	-	-	-	-	-	-
Carpentering and flooring	175	34.2	34.7	34.2	34.5	-	-	-	-	-	-
Roofing and sheet metal work	176	30.2	32.4	32.8	32.4	-	-	-	-	-	-
Manufacturing		40.8	41.0	40.6	40.4	40.6	3.8	3.8	3.5	3.4	3.6
Durable goods		41.5	41.7	41.2	41.0	41.3	4.0	4.0	3.6	3.5	3.7
Lumber and wood products	24	39.0	39.8	39.9	39.4	40.0	3.2	3.4	3.5	3.3	-
Logging camps and logging contractors	241	37.9	39.8	39.8	37.2	-	4.1	4.6	5.3	4.5	-
Sawmills and planing mills	242	40.3	41.2	41.1	41.0	-	3.8	4.0	4.3	4.2	-
Sawmills and planing mills, general	2421	40.4	41.5	41.5	41.4	-	4.0	4.2	4.7	4.5	-
Hardwood dimension and flooring	2426	40.1	40.1	39.7	39.4	-	3.0	3.1	3.0	2.7	-
Millwork, plywood, and structural members	243	39.0	39.9	39.6	39.6	-	2.9	3.2	2.9	2.7	-
Millwork	2431	38.8	39.1	38.8	39.4	-	2.2	2.1	2.0	1.9	-
Wood kitchen cabinets	2434	37.4	39.5	38.8	38.5	-	2.3	3.4	2.6	2.1	-
Hardwood veneer and plywood	2435	40.4	40.9	41.4	41.1	-	4.0	3.9	4.0	4.0	-
Softwood veneer and plywood	2436	42.1	42.8	42.2	42.2	-	5.0	5.2	4.9	5.0	-
Wood containers	244	38.4	38.6	38.4	38.4	-	3.4	3.3	3.2	3.1	-
Wood buildings and mobile homes	245	36.6	36.3	37.0	36.3	-	1.7	1.8	1.2	1.1	-
Mobile homes	2451	36.0	36.6	37.0	36.5	-	1.6	1.9	1.0	.9	-
Miscellaneous wood products	249	39.4	39.2	40.2	39.9	-	2.9	2.9	2.9	2.9	-
Furniture and fixtures	25	39.1	39.6	39.4	39.0	38.9	2.5	2.7	2.5	2.3	-
Household furniture	251	38.8	39.6	38.7	38.6	-	2.3	2.7	2.3	2.3	-
Wood household furniture	2511	39.1	40.0	39.5	39.2	-	2.3	2.8	2.6	2.5	-
Upholstered household furniture	2512	38.0	38.8	37.0	37.1	-	1.9	2.2	1.5	1.5	-
Metal household furniture	2514	40.3	40.1	40.5	40.9	-	3.1	3.5	2.7	3.3	-
Mattresses and bedsprings	2515	39.0	39.8	38.7	39.6	-	2.9	3.2	2.7	3.2	-
Office furniture	252	39.4	39.4	41.1	39.6	-	2.6	2.5	2.7	2.1	-
Public building and related furniture	253	39.5	38.7	41.1	39.9	-	3.2	2.9	3.2	3.1	-
Partitions and fixtures	254	40.6	40.8	40.2	40.1	-	3.4	3.0	2.9	2.5	-
Miscellaneous furniture and fixtures	259	38.8	38.5	39.4	38.6	-	1.8	2.0	2.2	2.0	-
Stone, clay, and glass products	32	41.1	41.9	41.3	40.9	41.5	4.4	4.8	4.5	4.3	-
Flat glass	321	42.7	44.6	42.4	42.8	-	6.7	6.8	5.5	5.3	-
Glass and glassware, pressed or blown	322	42.0	41.7	41.5	41.3	-	4.4	4.5	4.5	4.4	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Total private		\$9.55	\$9.56	\$9.88	\$9.91	\$9.93	\$327.57	\$328.86	\$337.90	\$339.91	\$341.59
Mining		13.22	13.15	13.31	13.31	13.38	551.27	552.30	580.32	574.99	574.00
Metal mining	10	13.66	13.71	13.75	13.74	-	580.55	581.30	592.63	581.20	-
Iron ores	101	14.14	14.03	14.20	13.66	-	620.75	599.08	617.70	594.21	-
Copper ores	102	11.80	11.83	12.24	11.95	-	526.28	532.35	581.40	540.14	-
Coal mining	11,12	16.25	16.23	16.44	16.57	-	693.88	684.91	736.51	730.74	-
Bituminous coal and lignite mining	12	16.31	16.29	16.50	16.63	-	698.07	687.44	740.85	735.05	-
Oil and gas extraction	13	12.35	12.29	12.41	12.39	-	505.12	506.35	536.11	531.53	-
Crude petroleum, natural gas, and natural gas liquids	131,2	14.90	14.93	15.72	15.62	-	621.33	615.12	677.53	662.29	-
Oil and gas field services	138	10.71	10.67	10.70	10.73	-	431.61	438.54	462.24	463.54	-
Nonmetallic minerals, except fuels	14	11.10	11.06	11.38	11.29	-	472.86	486.64	498.44	488.86	-
Crushed and broken stone	142	10.38	10.42	10.57	10.64	-	448.42	462.65	461.91	461.78	-
Construction		13.21	13.26	13.42	13.42	13.46	478.20	495.92	504.59	499.22	510.13
General building contractors	15	12.41	12.50	12.79	12.73	-	451.72	463.75	478.35	471.01	-
Residential building construction	152	11.77	11.89	12.22	12.24	-	415.48	426.85	442.36	441.86	-
Operative builders	153	11.69	11.73	12.31	12.74	-	436.04	449.26	460.39	484.12	-
Nonresidential building construction	154	13.15	13.19	13.40	13.27	-	494.44	506.50	518.58	504.26	-
Heavy construction contractors	16	12.56	12.65	12.73	12.72	-	482.30	518.65	530.84	518.98	-
Highway and street construction	161	11.94	11.97	12.20	12.16	-	442.97	483.59	492.88	481.54	-
Heavy construction, except highway	162	12.77	12.90	12.89	12.90	-	496.75	532.77	542.67	531.48	-
Special trade contractors	17	13.72	13.76	13.89	13.91	-	487.06	502.24	508.37	506.32	-
Plumbing, heating, and air conditioning	171	14.04	14.16	14.34	14.29	-	530.71	539.50	550.66	540.16	-
Painting, paper hanging, and decorating	172	12.77	12.91	13.30	13.24	-	444.40	457.01	466.83	472.67	-
Electrical work	173	14.58	14.67	14.83	14.78	-	554.04	564.80	575.40	573.46	-
Masonry, stonework, and plastering	174	13.80	13.87	13.93	14.04	-	458.16	481.29	479.19	480.17	-
Carpentering and flooring	175	13.06	13.28	13.15	13.27	-	446.65	460.82	449.73	457.82	-
Roofing and sheet metal work	176	11.97	11.99	11.99	12.13	-	361.49	388.48	393.27	393.01	-
Manufacturing		10.38	10.41	10.59	10.66	10.73	423.50	426.81	429.95	430.66	435.64
Durable goods		10.91	10.93	11.05	11.17	11.24	452.77	455.78	455.26	457.97	464.21
Lumber and wood products	24	8.69	8.68	9.00	8.97	9.04	338.91	345.46	359.10	353.42	361.60
Logging camps and logging contractors	241	10.85	10.70	10.86	10.83	-	411.22	425.86	432.23	402.88	-
Sawmills and planing mills	242	8.88	8.90	9.24	9.22	-	357.86	366.68	379.76	378.02	-
Sawmills and planing mills, general	2421	9.23	9.22	9.60	9.58	-	372.89	382.63	398.40	396.61	-
Hardwood dimension and flooring	2426	7.23	7.31	7.48	7.46	-	289.92	293.13	296.96	293.92	-
Millwork, plywood, and structural members	243	8.67	8.64	9.03	9.02	-	338.13	344.74	357.59	357.19	-
Millwork	2431	8.82	8.76	9.32	9.34	-	342.22	342.52	361.62	368.00	-
Wood kitchen cabinets	2434	8.09	8.09	8.44	8.34	-	302.57	319.56	327.47	321.09	-
Hardwood veneer and plywood	2435	7.25	7.23	7.54	7.59	-	292.90	295.71	312.16	311.95	-
Softwood veneer and plywood	2436	10.15	10.16	10.35	10.35	-	427.32	434.85	436.77	436.77	-
Wood containers	244	6.45	6.48	6.65	6.62	-	247.68	250.13	255.36	254.21	-
Wood buildings and mobile homes	245	8.31	8.32	8.36	8.39	-	304.15	302.02	309.32	304.56	-
Mobile homes	2451	8.40	8.43	8.39	8.44	-	302.40	308.54	310.43	308.06	-
Miscellaneous wood products	249	7.52	7.53	7.89	7.89	-	296.29	295.18	317.18	314.81	-
Furniture and fixtures	25	8.08	8.13	8.45	8.40	8.43	315.93	321.95	332.93	327.60	327.93
Household furniture	251	7.47	7.53	7.79	7.81	-	289.84	298.19	301.47	301.47	-
Wood household furniture	2511	7.00	7.04	7.30	7.34	-	273.70	281.60	288.35	287.73	-
Upholstered household furniture	2512	8.16	8.30	8.55	8.53	-	310.08	322.04	316.35	316.46	-
Metal household furniture	2514	7.26	7.21	7.70	7.74	-	292.58	289.12	311.85	316.57	-
Mattresses and bedsprings	2515	8.04	8.05	8.22	8.23	-	313.56	320.39	318.11	325.91	-
Office furniture	252	9.10	9.17	9.75	9.32	-	358.54	361.30	400.73	369.07	-
Public building and related furniture	253	8.64	8.66	8.85	8.98	-	341.28	335.14	363.74	358.30	-
Partitions and fixtures	254	9.55	9.56	9.77	9.75	-	387.73	390.05	392.75	390.98	-
Miscellaneous furniture and fixtures	259	8.37	8.46	8.68	8.61	-	324.76	325.71	341.99	332.35	-
Stone, clay, and glass products	32	10.62	10.62	10.87	10.85	10.95	436.48	444.98	448.93	443.77	454.43
Flat glass	321	15.66	15.22	14.82	14.85	-	668.68	678.81	628.37	635.58	-
Glass and glassware, pressed or blown	322	11.79	11.81	12.21	12.12	-	495.18	492.48	506.72	500.56	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	42.1	41.9	42.0	41.5	-	5.0	5.1	5.5	5.3	-
Pressed and blown glass, nec	3229	41.8	41.6	41.0	41.1	-	3.7	3.8	3.4	3.4	-
Products of purchased glass	323	42.1	41.9	39.9	39.9	-	3.5	3.2	2.5	2.4	-
Cement, hydraulic	324	41.8	43.4	42.1	42.6	-	3.7	4.6	4.7	5.2	-
Structural clay products	325	41.4	41.9	40.4	40.5	-	3.8	4.0	3.3	3.3	-
Pottery and related products	326	40.6	40.6	40.4	39.8	-	3.4	3.5	3.3	2.6	-
Concrete, gypsum, and plaster products	327	40.0	42.0	41.5	40.6	-	4.9	6.1	5.5	5.2	-
Concrete block and brick	3271	41.5	42.9	42.3	43.2	-	4.6	5.9	5.2	5.9	-
Concrete products, nec	3272	41.3	42.7	42.7	41.6	-	5.2	5.9	5.7	5.2	-
Ready-mixed concrete	3273	37.0	40.2	39.6	38.0	-	4.1	5.7	4.9	4.4	-
Misc. nonmetallic mineral products	329	41.8	42.2	42.1	41.8	-	4.5	4.6	4.5	4.4	-
Abrasive products	3291	44.0	43.7	43.2	42.7	-	4.3	4.5	3.8	3.4	-
Asbestos products	3292	43.7	41.6	41.8	40.5	-	6.0	4.8	4.9	3.9	-
Primary metal industries											
Blast furnaces and basic steel products	331	43.4	43.5	42.6	42.3	42.7	5.5	5.5	4.7	4.7	-
Blast furnaces and steel mills	3312	43.7	44.0	43.2	42.9	43.2	5.9	5.8	5.0	5.2	-
Steel pipe and tubes	3317	44.0	44.3	43.4	43.1	-	6.1	6.0	5.1	5.2	-
Iron and steel foundries	332	41.8	41.6	43.3	43.4	-	4.7	4.4	5.6	6.0	-
Gray iron foundries	3321	43.1	43.2	41.9	41.8	-	5.5	5.3	4.2	4.1	-
Malleable iron foundries	3322	43.3	43.3	41.9	41.8	-	6.0	5.7	4.1	4.3	-
Steel foundries, nec	3325	41.5	42.3	40.3	40.0	-	3.7	4.0	3.4	3.3	-
Primary nonferrous metals	333	42.9	42.8	42.6	41.7	-	4.7	4.6	4.9	4.1	-
Primary aluminum	3334	43.8	43.5	44.2	43.7	-	4.9	4.7	5.0	4.8	-
Nonferrous rolling and drawing	335	43.6	43.6	43.4	43.0	-	5.0	4.9	4.8	4.6	-
Copper rolling and drawing	3351	43.6	43.8	43.5	43.1	-	5.9	6.1	5.7	5.5	-
Aluminum sheet, plate, and foil	3353	44.4	44.0	43.5	44.0	-	5.7	5.5	5.6	6.4	-
Nonferrous wire drawing and insulating	3357	44.8	45.6	44.7	44.1	-	7.3	8.4	7.4	7.6	-
Nonferrous foundries	336	42.3	42.5	42.2	41.9	-	5.2	5.2	4.5	4.5	-
Aluminum foundries	3361	42.2	41.9	39.7	39.6	-	4.1	4.1	2.7	2.7	-
Fabricated metal products	34	42.5	42.2	40.3	39.4	-	4.2	4.2	2.7	2.5	-
Metal cans and shipping containers	341	41.6	41.7	41.2	41.1	41.5	4.0	4.0	3.6	3.5	-
Metal cans	3411	44.0	44.0	44.0	43.4	-	5.5	5.3	5.3	4.9	-
Cutlery, hand tools, and hardware	342	44.4	44.4	44.5	43.6	-	5.7	5.4	5.4	5.0	-
Hand and edge tools, and hand saws and blades	3423.5	41.0	41.2	41.5	40.9	-	3.2	3.2	3.3	2.8	-
Hardware, nec	3429	41.0	41.4	41.2	40.8	-	3.1	3.0	3.2	2.7	-
Plumbing and heating, except electric	343	40.7	40.8	41.1	40.3	-	3.1	3.1	3.0	2.5	-
Plumbing fittings and brass goods	3432	40.9	40.6	41.1	40.8	-	3.5	3.2	3.3	3.2	-
Heating equipment, except electric	3433	42.2	41.7	41.3	41.3	-	4.2	3.8	2.8	3.1	-
Fabricated structural metal products	344	39.3	39.1	39.9	39.0	-	2.7	2.3	3.2	2.1	-
Fabricated structural metal	3441	40.6	40.7	41.0	40.5	-	3.6	3.7	3.4	3.3	-
Metal doors, sash, and trim	3442	40.9	41.0	42.3	41.6	-	4.2	4.2	4.2	3.7	-
Fabricated plate work (boiler shops)	3443	38.8	39.0	38.3	38.4	-	2.5	2.6	1.5	1.6	-
Sheet metal work	3444	42.8	42.5	42.4	42.3	-	4.7	4.4	4.6	4.7	-
Architectural metal work	3446	39.5	40.0	40.5	39.9	-	2.8	3.1	3.1	2.8	-
Screw machine products, bolts, etc	345	40.3	40.4	40.8	39.1	-	4.3	4.4	3.7	3.7	-
Screw machine products	3451	43.2	43.5	41.7	41.3	-	5.5	5.6	4.1	4.1	-
Bolts, nuts, rivets, and washers	3452	42.0	42.1	40.4	40.2	-	4.5	4.7	3.2	3.3	-
Metal forgings and stampings	346	44.6	45.0	43.1	42.5	-	6.7	6.6	5.0	5.1	-
Iron and steel forgings	3462	43.1	43.0	40.7	41.2	-	5.0	4.9	3.5	3.3	-
Automotive stampings	3465	44.4	44.2	42.4	41.8	-	6.1	5.7	4.0	3.5	-
Metal stampings, nec	3469	44.3	44.3	39.3	40.6	-	5.6	5.4	3.0	2.8	-
Metal services, nec	347	40.9	40.5	41.5	41.7	-	3.7	3.6	3.8	3.8	-
Plating and polishing	3471	41.0	41.4	40.4	40.6	-	3.7	3.8	3.4	3.6	-
Metal coating and allied services	3479	40.9	41.5	39.5	40.0	-	3.6	3.9	2.7	3.0	-
Ordnance and accessories, nec	348	41.1	41.3	42.2	41.8	-	3.9	3.7	4.8	4.7	-
Ammunition, except for small arms, nec	3483	41.5	41.3	41.7	41.9	-	2.7	2.8	3.3	3.4	-
Misc. fabricated metal products	349	40.9	41.2	40.6	40.1	-	2.7	2.5	2.5	2.7	-
Valves and pipe fittings	3494	41.2	41.4	41.5	41.7	-	3.7	3.6	3.7	3.6	-
Misc. fabricated wire products	3496	41.8	42.1	42.9	43.4	-	3.7	3.8	3.9	4.2	-
Machinery, except electrical	35	39.8	40.0	39.7	40.0	-	3.4	3.2	3.0	2.9	-
Engines and turbines	351	42.5	42.6	42.2	42.1	42.1	4.5	4.5	4.1	4.0	-
Turbines and turbine generator sets	3511	43.7	43.3	43.3	43.7	-	4.7	4.3	4.4	4.8	-
Internal combustion engines, nec	3519	43.4	43.5	43.2	43.8	-	5.4	5.7	3.7	5.1	-
Farm and garden machinery	352	43.8	43.3	43.4	43.7	-	4.5	3.8	4.6	4.7	-
Farm machinery and equipment	3523	42.5	42.4	42.0	43.1	-	4.9	4.5	3.8	4.6	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$12.18	\$12.21	\$12.86	\$12.78	-	\$512.78	\$511.60	\$540.12	\$530.37	-
Pressed and blown glass, nec	3229	11.36	11.36	11.47	11.37	-	474.85	472.58	470.27	467.31	-
Products of purchased glass	323	9.40	9.35	9.45	9.36	-	395.74	391.77	377.06	373.46	-
Cement, hydraulic	324	13.69	13.63	13.96	13.92	-	572.24	591.54	587.72	592.99	-
Structural clay products	325	9.16	9.14	9.48	9.45	-	379.22	382.97	382.99	382.73	-
Pottery and related products	326	9.51	9.51	9.71	9.63	-	386.11	386.11	392.28	383.27	-
Concrete, gypsum, and plaster products	327	10.26	10.35	10.57	10.57	-	410.40	434.70	438.66	429.14	-
Concrete block and brick	3271	9.33	9.52	9.40	9.60	-	387.20	408.41	397.62	414.72	-
Concrete products, nec	3272	9.29	9.33	9.49	9.54	-	383.68	398.39	405.22	396.86	-
Ready-mixed concrete	3273	11.17	11.24	11.54	11.52	-	413.29	451.85	456.98	437.76	-
Misc. nonmetallic mineral products	329	10.64	10.62	10.90	10.90	-	444.75	448.16	458.89	455.62	-
Abrasive products	3291	10.17	10.22	10.34	10.34	-	447.48	446.61	446.69	441.52	-
Asbestos products	3292	11.20	10.99	10.81	10.72	-	489.44	457.18	451.86	434.16	-
Primary metal industries	33	12.27	12.27	12.50	12.61	\$12.63	532.52	533.75	532.50	533.40	\$539.30
Blast furnaces and basic steel products	331	14.13	14.13	14.44	14.57	14.57	617.48	621.72	623.81	625.05	629.42
Blast furnaces and steel mills	3312	14.92	14.91	15.19	15.36	-	656.48	660.51	659.25	662.02	-
Steel pipe and tubes	3317	10.87	10.84	11.54	11.62	-	454.37	450.94	499.68	504.31	-
Iron and steel foundries	332	11.20	11.13	11.07	11.31	-	482.72	480.82	463.83	472.76	-
Gray iron foundries	3321	11.74	11.68	11.38	11.73	-	508.34	505.74	476.82	490.31	-
Malleable iron foundries	3322	11.88	11.93	12.41	12.23	-	493.02	504.64	500.12	489.20	-
Steel foundries, nec	3325	10.26	10.26	10.89	10.93	-	440.15	439.13	463.91	455.78	-
Primary nonferrous metals	333	13.48	13.51	13.95	14.00	-	590.42	587.69	616.59	611.80	-
Primary aluminum	3334	13.65	13.75	14.28	14.28	-	595.14	599.50	619.75	614.04	-
Nonferrous rolling and drawing	335	11.78	11.78	11.90	11.92	-	513.61	515.96	517.65	513.75	-
Copper rolling and drawing	3351	11.09	11.09	11.26	11.32	-	492.40	487.96	489.81	498.08	-
Aluminum sheet, plate, and foil	3353	14.05	14.10	14.73	14.81	-	629.44	642.96	658.43	653.12	-
Nonferrous wire drawing and insulating	3357	11.92	11.90	11.50	11.69	-	504.22	505.75	485.30	489.81	-
Nonferrous foundries	336	9.69	9.70	9.93	10.10	-	408.92	406.43	394.22	399.96	-
Aluminum foundries	3361	9.92	9.91	10.08	10.37	-	421.60	418.20	406.22	408.58	-
Fabricated metal products	34	10.46	10.47	10.56	10.65	10.72	435.14	436.60	435.07	437.72	444.88
Metal cans and shipping containers	341	13.68	13.68	13.96	13.98	-	601.92	601.92	614.24	606.73	-
Metal cans	3411	14.59	14.58	14.85	14.91	-	647.80	647.35	660.83	650.08	-
Cutlery, hand tools, and hardware	342	10.30	10.30	10.39	10.65	-	422.30	424.36	431.19	435.59	-
Hand and edge tools, and hand saws and blades	3423,5	9.47	9.55	9.84	9.83	-	388.27	395.37	405.41	401.06	-
Hardware, nec	3429	10.68	10.64	10.56	11.01	-	434.68	434.11	434.02	443.70	-
Plumbing and heating, except electric	343	9.43	9.41	9.67	9.71	-	385.69	382.05	397.44	396.17	-
Plumbing fittings and brass goods	3432	9.08	9.06	9.28	9.35	-	383.18	377.80	383.26	386.16	-
Heating equipment, except electric	3433	9.40	9.28	9.54	9.57	-	369.42	362.85	380.65	373.23	-
Fabricated structural metal products	344	9.83	9.85	10.10	10.07	-	399.10	400.90	414.10	407.84	-
Fabricated structural metal	3441	10.43	10.39	10.34	10.25	-	426.59	425.99	437.38	426.40	-
Metal doors, sash, and trim	3442	8.34	8.34	8.54	8.49	-	323.59	325.26	327.08	326.02	-
Fabricated plate work (boiler shops)	3443	10.51	10.46	10.83	10.99	-	449.83	444.55	459.19	464.88	-
Sheet metal work	3444	10.05	10.18	10.43	10.33	-	396.98	407.20	422.42	412.17	-
Architectural metal work	3446	9.00	9.08	9.71	9.55	-	362.70	366.83	396.17	373.41	-
Screw machine products, bolts, etc	345	10.26	10.24	10.48	10.50	-	443.23	445.44	437.02	433.65	-
Screw machine products	3451	9.53	9.60	9.90	9.86	-	400.26	404.16	399.96	396.37	-
Bolts, nuts, rivets, and washers	3452	11.03	10.92	11.06	11.16	-	491.94	491.40	476.69	474.30	-
Metal forgings and stampings	346	12.50	12.52	12.16	12.46	-	538.75	538.36	494.91	513.35	-
Iron and steel forgings	3462	13.44	13.38	12.91	12.87	-	596.74	591.40	547.38	537.97	-
Automotive stampings	3465	14.08	14.05	13.80	14.25	-	623.74	622.42	542.34	578.55	-
Metal stampings, nec	3469	9.59	9.65	10.08	10.03	-	392.23	390.83	418.32	418.25	-
Metal services, nec	347	8.43	8.45	8.77	8.76	-	345.63	349.83	354.31	355.66	-
Plating and polishing	3471	8.39	8.44	8.73	8.70	-	343.15	350.26	344.84	348.00	-
Metal coating and allied services	3479	8.51	8.46	8.84	8.88	-	349.76	349.40	373.05	371.18	-
Ordnance and accessories, nec	348	11.44	11.58	11.80	11.88	-	474.76	478.25	492.06	497.77	-
Ammunition, except for small arms, nec	3483	11.16	11.26	11.49	11.51	-	456.44	463.91	466.49	461.55	-
Misc. fabricated metal products	349	9.68	9.66	10.00	9.95	-	398.82	399.92	415.00	414.92	-
Valves and pipe fittings	3494	10.47	10.54	10.80	10.70	-	437.65	443.73	463.32	464.38	-
Misc. fabricated wire products	3496	8.68	8.61	8.71	8.72	-	345.46	344.40	345.79	348.80	-
Machinery, except electrical	35	11.23	11.25	11.51	11.52	11.60	477.28	479.25	485.72	484.99	488.36
Engines and turbines	351	13.88	13.94	14.25	14.37	-	606.56	603.60	617.03	627.97	-
Turbines and turbine generator sets	3511	13.97	14.10	14.39	14.57	-	606.30	613.35	621.65	638.17	-
Internal combustion engines, nec	3519	13.85	13.89	14.20	14.30	-	606.63	601.44	616.28	624.91	-
Farm and garden machinery	352	10.46	10.40	10.40	10.42	-	444.55	440.96	436.80	449.10	-
Farm machinery and equipment	3523	11.31	11.33	11.45	11.58	-	486.33	484.92	482.05	490.99	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	42.2	42.8	42.7	42.7	-	4.2	4.3	4.2	4.1	-
Construction machinery	3531	42.4	43.2	43.0	43.7	-	4.4	4.6	4.0	4.3	-
Mining machinery	3532	42.5	42.1	41.8	41.7	-	4.5	4.5	4.0	4.1	-
Oil field machinery	3533	40.9	42.8	44.5	44.4	-	4.4	4.6	6.3	6.0	-
Conveyors and conveying equipment	3535	43.0	43.1	42.0	41.3	-	4.9	5.4	4.6	3.9	-
Industrial trucks and tractors	3537	41.5	41.1	40.7	40.9	-	3.2	2.8	2.6	2.6	-
Metalworking machinery	354	43.9	43.9	43.1	42.8	-	6.0	5.7	5.1	4.8	-
Machine tools, metal cutting types	3541	44.8	44.8	43.3	42.5	-	5.9	5.6	4.5	4.3	-
Machine tools, metal forming types	3542	44.3	44.3	44.2	44.0	-	6.2	6.3	6.2	6.0	-
Special dies, tools, jigs, and fixtures	3544	44.1	44.2	43.7	43.4	-	6.5	6.2	5.8	5.5	-
Machine tool accessories	3545	42.4	42.7	41.7	41.6	-	5.2	4.9	4.0	3.6	-
Power driven hand tools	3546	43.7	43.3	42.5	41.9	-	4.5	4.5	3.7	3.3	-
Special industry machinery	355	42.2	42.3	42.8	42.4	-	4.7	4.8	4.5	4.3	-
Food products machinery	3551	41.9	42.0	42.4	41.5	-	4.1	4.3	3.9	3.7	-
Textile machinery	3552	42.4	42.8	43.3	42.9	-	4.0	4.0	4.2	4.0	-
Printing trades machinery	3555	39.3	39.4	40.7	40.1	-	4.6	4.7	4.4	4.2	-
General industrial machinery	356	43.0	43.0	42.2	41.7	-	4.7	4.7	4.1	3.9	-
Pumps and pumping equipment	3561	43.4	42.9	41.7	41.8	-	4.5	4.4	4.3	4.4	-
Ball and roller bearings	3562	44.2	44.5	42.5	42.6	-	6.2	6.2	4.5	4.3	-
Air and gas compressors	3563	43.3	42.9	43.1	43.5	-	4.5	4.3	4.2	4.4	-
Blowers and fans	3564	40.6	41.0	40.5	39.4	-	2.8	2.6	2.6	2.2	-
Speed changers, drives, and gears	3566	43.3	43.6	42.5	41.8	-	5.2	5.3	5.1	4.4	-
Power transmission equipment, nec	3568	42.8	42.6	43.7	42.9	-	5.0	4.6	4.4	4.5	-
Office and computing machines	357	41.3	42.0	41.3	41.3	-	2.8	3.3	2.9	3.0	-
Electronic computing equipment	3573	41.4	42.0	41.5	41.6	-	2.8	3.3	3.0	3.1	-
Refrigeration and service machinery	358	41.5	41.5	40.9	40.8	-	3.3	3.5	2.8	2.5	-
Refrigeration and heating equipment	3585	41.9	42.0	41.2	41.0	-	3.6	3.8	3.0	2.6	-
Misc. machinery, except electrical	359	41.9	42.1	41.7	41.5	-	4.8	4.7	4.3	4.2	-
Carburetors, pistons, rings, and valves	3592	43.4	43.1	41.2	40.3	-	5.4	5.1	3.4	2.6	-
Machinery, except electrical, nec	3599	41.7	42.0	41.7	41.6	-	4.7	4.7	4.4	4.4	-
Electrical and electronic equipment	36	40.6	40.5	41.0	40.8	40.8	3.0	3.0	3.1	2.9	-
Electric distributing equipment	361	41.8	41.8	42.0	41.6	-	3.1	3.2	3.3	2.8	-
Transformers	3612	42.0	42.2	42.2	42.0	-	3.2	3.3	3.7	3.1	-
Switchgear and switchboard apparatus	3613	41.6	41.4	41.8	41.3	-	3.1	3.1	2.9	2.5	-
Electrical industrial apparatus	362	42.2	41.6	42.1	41.7	-	3.5	3.5	3.5	3.3	-
Motors and generators	3621	42.4	41.6	41.8	41.5	-	3.9	3.9	3.5	3.4	-
Industrial controls	3622	40.9	40.6	41.5	40.8	-	2.5	2.4	2.8	2.4	-
Household appliances	363	39.9	38.5	39.3	39.8	-	2.3	2.6	2.0	2.5	-
Household refrigerators and freezers	3632	39.9	39.2	39.2	38.5	-	2.3	3.8	2.4	2.3	-
Household laundry equipment	3633	42.8	39.7	41.1	41.5	-	3.5	2.0	1.4	3.2	-
Electric housewares and fans	3634	40.0	38.9	39.5	40.1	-	2.8	2.5	2.0	1.8	-
Electric lighting and wiring equipment	364	40.1	39.9	40.6	40.3	-	3.0	2.7	3.2	2.9	-
Electric lamps	3641	42.0	41.5	41.0	41.1	-	3.4	3.5	3.2	3.2	-
Current-carrying wiring devices	3643	39.1	39.3	41.1	40.3	-	2.4	2.3	3.4	3.1	-
Noncurrent-carrying wiring devices	3644	40.6	40.2	41.8	40.6	-	3.7	3.2	2.9	2.1	-
Residential lighting fixtures	3645	39.0	38.5	38.3	38.9	-	2.1	1.9	2.3	2.5	-
Radio and TV receiving equipment	365	40.8	40.6	40.9	39.8	-	3.1	3.3	2.6	2.1	-
Radio and TV receiving sets	3651	40.3	40.1	40.9	40.0	-	2.7	3.0	1.7	1.2	-
Communication equipment	366	40.7	40.8	42.0	41.5	-	2.4	2.5	2.7	2.3	-
Telephone and telegraph apparatus	3661	41.1	41.7	45.3	44.3	-	2.8	3.3	3.2	2.6	-
Radio and TV communication equipment	3662	40.5	40.4	40.8	40.5	-	2.3	2.2	2.5	2.2	-
Electronic components and accessories	367	39.9	40.0	40.3	40.6	-	3.1	3.1	3.4	3.6	-
Electronic tubes	3671-3	41.4	41.0	41.3	41.6	-	4.3	4.1	3.1	3.5	-
Semiconductors and related devices	3674	39.3	39.5	40.2	40.6	-	3.5	3.6	4.1	4.3	-
Electronic components, nec	3679	40.2	40.5	40.7	41.1	-	3.0	3.0	3.4	3.6	-
Misc. electrical equipment and supplies	369	41.7	41.7	40.9	40.3	-	3.5	3.5	3.2	2.6	-
Storage batteries	3691	41.3	40.3	42.0	39.4	-	2.6	2.1	3.8	1.7	-
Engine electrical equipment	3694	41.8	42.3	40.8	40.2	-	4.3	4.7	3.2	2.8	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$11.21	\$11.28	\$11.61	\$11.60	-	\$473.06	\$482.78	\$495.75	\$495.32	-
Construction machinery	3531	12.58	12.66	12.99	12.91	-	533.39	546.91	558.57	564.17	-
Mining machinery	3532	11.28	11.35	11.65	11.69	-	479.40	477.84	486.97	487.47	-
Oil field machinery	3533	10.79	10.83	11.28	11.30	-	441.31	463.52	501.96	501.72	-
Conveyors and conveying equipment	3535	10.20	10.37	10.52	10.45	-	438.60	446.95	441.84	431.59	-
Industrial trucks and tractors	3537	9.91	9.91	10.22	10.21	-	411.27	407.30	415.95	417.59	-
Metalworking machinery	354	11.71	11.69	11.95	11.99	-	514.07	513.19	515.05	513.17	-
Machine tools, metal cutting types	3541	11.53	11.60	11.84	11.91	-	516.54	519.68	512.67	506.18	-
Machine tools, metal forming types	3542	12.06	12.08	12.39	12.42	-	534.26	535.14	547.64	546.48	-
Special dies, tools, jigs, and fixtures	3544	12.54	12.51	12.76	12.80	-	553.01	552.94	557.61	555.52	-
Machine tool accessories	3545	10.51	10.51	10.68	10.61	-	445.62	448.78	445.36	441.38	-
Power driven hand tools	3546	9.29	9.35	9.66	9.69	-	405.97	404.86	410.55	406.01	-
Special industry machinery	355	11.41	11.43	11.73	11.73	-	481.50	483.49	502.04	497.35	-
Food products machinery	3551	11.38	11.42	11.80	11.79	-	476.82	479.64	500.32	489.29	-
Textile machinery	3552	9.53	9.57	9.95	9.97	-	404.07	409.60	430.84	427.71	-
Printing trades machinery	3555	12.47	12.52	12.84	12.77	-	490.07	493.29	522.59	512.08	-
General industrial machinery	356	10.78	10.82	11.18	11.26	-	463.54	465.26	471.80	469.54	-
Pumps and pumping equipment	3561	11.43	11.42	11.72	11.87	-	496.06	489.92	488.72	496.17	-
Ball and roller bearings	3562	11.24	11.32	11.39	11.65	-	496.81	503.74	484.08	496.29	-
Air and gas compressors	3563	10.44	10.57	11.42	11.36	-	452.05	453.45	492.20	494.16	-
Blowers and fans	3564	9.59	9.53	9.99	9.98	-	389.35	390.73	404.60	393.21	-
Speed changers, drives, and gears	3566	10.80	11.06	11.45	11.44	-	467.64	482.22	486.63	478.19	-
Power transmission equipment, nec	3568	10.43	10.31	10.61	10.56	-	446.40	439.21	463.66	453.02	-
Office and computing machines	357	11.00	10.97	11.37	11.24	-	454.30	460.74	469.58	464.21	-
Electronic computing equipment	3573	10.97	10.94	11.31	11.16	-	454.16	459.48	469.37	464.26	-
Refrigeration and service machinery	358	10.64	10.74	10.78	10.76	-	441.56	445.71	440.90	439.01	-
Refrigeration and heating equipment	3585	10.77	10.92	10.89	10.86	-	451.26	458.64	448.67	445.26	-
Misc. machinery, except electrical	359	10.93	10.96	11.21	11.25	-	457.97	461.42	467.46	466.88	-
Carburetors, pistons, rings, and valves	3592	13.28	13.27	12.98	12.93	-	576.35	571.94	534.78	521.08	-
Machinery, except electrical, nec	3599	10.61	10.65	10.99	11.04	-	442.44	447.30	458.28	459.26	-
Electrical and electronic equipment	36	10.26	10.30	10.50	10.53	\$10.53	416.56	417.15	430.50	429.62	\$429.62
Electric distributing equipment	361	9.35	9.40	9.92	9.88	-	390.83	392.92	416.64	411.01	-
Transformers	3612	9.22	9.22	9.66	9.62	-	387.24	389.08	407.65	404.04	-
Switchgear and switchboard apparatus	3613	9.49	9.58	10.18	10.14	-	394.78	396.61	425.52	418.78	-
Electrical industrial apparatus	362	10.01	10.07	10.21	10.20	-	422.42	418.91	429.84	425.34	-
Motors and generators	3621	10.01	10.08	10.07	10.03	-	424.42	419.33	420.93	416.25	-
Industrial controls	3622	9.81	9.81	10.17	10.19	-	401.23	398.29	422.06	415.75	-
Household appliances	363	10.24	10.22	10.26	10.30	-	408.58	393.47	403.22	409.94	-
Household refrigerators and freezers	3632	11.76	11.95	11.81	11.83	-	469.22	468.44	462.95	455.46	-
Household laundry equipment	3633	12.10	11.97	12.01	12.23	-	517.88	475.21	493.61	507.55	-
Electric housewares and fans	3634	7.49	7.54	7.77	7.64	-	299.60	293.31	306.92	306.36	-
Electric lighting and wiring equipment	364	9.71	9.69	9.92	9.97	-	389.37	386.63	402.75	401.79	-
Electric lamps	3641	10.91	10.86	11.46	11.48	-	458.22	450.69	469.86	471.83	-
Current-carrying wiring devices	3643	9.56	9.55	9.91	9.89	-	373.80	375.32	407.30	398.57	-
Noncurrent-carrying wiring devices	3644	9.33	9.33	9.45	9.39	-	378.80	375.07	395.01	381.23	-
Residential lighting fixtures	3645	7.09	7.06	7.42	7.42	-	276.51	271.81	284.19	288.64	-
Radio and TV receiving equipment	365	9.56	9.46	9.05	9.19	-	390.05	384.08	370.15	365.76	-
Radio and TV receiving sets	3651	10.02	9.96	9.37	9.59	-	403.81	399.40	383.23	383.60	-
Communication equipment	366	12.21	12.30	12.53	12.64	-	496.95	501.84	526.26	524.56	-
Telephone and telegraph apparatus	3661	11.75	11.71	11.47	11.52	-	482.93	488.31	519.59	510.34	-
Radio and TV communication equipment	3662	12.39	12.54	12.99	13.11	-	501.80	506.62	529.99	530.96	-
Electronic components and accessories	367	9.42	9.48	9.92	9.93	-	375.86	379.20	399.78	403.16	-
Electronic tubes	3671-3	11.85	12.01	12.55	12.61	-	490.59	492.41	518.32	524.58	-
Semiconductors and related devices	3674	11.46	11.57	12.07	11.92	-	450.38	457.02	485.21	483.95	-
Electronic components, nec	3679	8.38	8.43	8.80	8.86	-	336.88	341.42	358.16	364.15	-
Misc. electrical equipment and supplies	369	10.94	11.03	10.83	10.87	-	456.20	459.95	442.95	438.06	-
Storage batteries	3691	11.60	11.43	11.94	11.77	-	479.08	460.63	501.48	463.74	-
Engine electrical equipment	3694	11.69	11.94	11.13	11.37	-	488.64	505.06	454.10	457.07	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Durable goods—Continued											
Transportation equipment	37	43.0	43.3	41.5	41.5	42.2	4.9	5.1	3.6	3.5	-
Motor vehicles and equipment	371	43.8	44.2	40.8	41.2	42.7	5.3	5.6	2.9	3.0	-
Motor vehicles and car bodies	3711	43.7	44.9	41.3	41.5	-	5.1	5.9	2.9	2.9	-
Truck and bus bodies	3713	44.3	43.6	39.7	40.1	-	4.9	4.5	2.2	2.2	-
Motor vehicle parts and accessories	3714	44.3	44.2	40.8	41.4	-	5.9	5.8	3.1	3.3	-
Truck trailers	3715	40.3	40.5	39.5	38.7	-	2.9	2.7	2.1	2.2	-
Aircraft and parts	372	42.9	42.9	42.8	42.8	-	5.3	5.3	4.7	4.8	-
Aircraft	3721	42.6	42.7	42.7	42.6	-	5.2	5.2	4.5	4.7	-
Aircraft engines and engine parts	3724	43.1	42.7	42.8	42.6	-	5.4	5.5	5.0	4.9	-
Aircraft equipment, nec	3728	43.4	43.5	43.1	43.2	-	5.5	5.5	4.7	5.0	-
Ship and boat building and repairing	373	40.0	40.8	40.5	39.8	-	2.8	3.3	3.2	2.7	-
Ship building and repairing	3731	40.6	41.6	41.5	40.4	-	2.9	3.6	3.6	2.9	-
Boat building and repairing	3732	39.2	39.8	38.9	38.8	-	2.6	3.0	2.5	2.3	-
Railroad equipment	374	43.1	42.5	40.6	40.6	-	4.2	4.0	2.9	3.0	-
Guided missiles, space vehicles, and parts	376	43.2	43.0	43.3	42.9	-	4.6	4.2	4.4	4.1	-
Guided missiles and space vehicles	3761	43.0	43.0	43.4	43.1	-	4.4	4.1	4.5	4.3	-
Miscellaneous transportation equipment	379	40.3	39.6	38.9	39.0	-	2.7	3.0	2.6	2.0	-
Travel trailers and campers	3792	39.0	37.8	37.1	37.0	-	1.9	2.0	1.6	.9	-
Instruments and related products	38	41.5	41.2	41.1	41.0	41.1	2.9	2.9	2.8	2.7	-
Engineering and scientific instruments	381	42.2	42.1	43.0	42.6	-	2.9	2.8	3.1	2.9	-
Measuring and controlling devices	382	41.6	41.2	41.2	40.9	-	2.8	2.8	2.7	2.5	-
Environmental controls	3822	40.2	40.2	41.3	40.5	-	2.5	2.3	2.7	2.2	-
Process control instruments	3823	43.8	43.9	43.0	42.4	-	3.9	3.9	3.9	3.7	-
Instruments to measure electricity	3825	41.4	40.3	40.4	40.2	-	2.2	2.4	2.0	1.9	-
Optical instruments and lenses	383	42.6	42.8	40.6	41.7	-	2.7	2.7	2.7	2.7	-
Medical instruments and supplies	384	40.8	40.1	40.7	40.7	-	2.9	3.0	2.8	2.6	-
Surgical and medical instruments	3841	41.0	40.1	40.6	40.8	-	2.9	3.1	2.9	2.7	-
Surgical appliances and supplies	3842	40.4	39.7	40.7	40.5	-	2.8	2.7	2.5	2.3	-
Ophthalmic goods	385	40.6	41.0	39.9	39.9	-	3.2	3.3	2.8	2.9	-
Photographic equipment and supplies	386	43.3	42.9	40.8	41.1	-	3.8	3.5	2.9	3.1	-
Watches, clocks, and watchcases	387	39.2	39.2	37.8	39.2	-	1.0	1.0	2.3	2.4	-
Miscellaneous manufacturing	39	39.2	39.4	39.2	39.2	39.4	2.3	2.4	2.3	2.2	-
Jewelry, silverware, and plated ware	391	37.2	38.0	36.9	37.8	-	1.4	1.9	1.4	1.2	-
Jewelry, precious metal	3911	36.7	37.6	36.6	37.1	-	1.1	1.7	1.4	1.0	-
Musical instruments	393	39.4	39.3	39.0	39.8	-	2.0	2.2	2.1	2.2	-
Toys and sporting goods	394	39.6	39.4	39.5	39.0	-	2.4	2.5	2.5	2.3	-
Dolls, games, toys, and children's vehicles	3942,4	37.8	37.7	38.0	38.5	-	1.4	1.5	1.6	1.9	-
Sporting and athletic goods, nec	3949	40.7	40.6	40.5	39.3	-	3.0	3.2	3.1	2.5	-
Pens, pencils, office, and art supplies	395	39.7	40.6	40.7	40.6	-	2.5	2.9	2.8	2.5	-
Costume jewelry and notions	396	38.1	38.3	38.9	39.6	-	2.0	2.1	1.9	2.0	-
Costume jewelry	3961	36.9	36.6	39.2	39.9	-	1.7	1.9	2.2	2.4	-
Miscellaneous manufactures	399	39.8	39.8	39.5	39.4	-	2.7	2.6	2.6	2.5	-
Signs and advertising displays	3993	39.4	39.6	40.2	39.9	-	2.7	2.7	2.8	2.7	-
Nondurable goods		39.8	39.9	39.8	39.6	39.7	3.5	3.6	3.5	3.3	3.4
Food and kindred products	20	39.6	39.9	40.3	39.7	39.9	3.7	3.8	4.2	3.7	-
Meat products	201	39.0	39.2	39.8	38.7	-	3.4	3.5	4.0	3.2	-
Meat packing plants	2011	40.0	40.1	40.2	39.5	-	4.3	4.1	4.5	3.9	-
Sausages and other prepared meats	2013	39.6	40.9	40.2	40.4	-	4.0	4.4	4.1	4.3	-
Poultry dressing plants	2016	37.9	38.0	39.5	37.4	-	2.4	2.8	3.5	2.4	-
Dairy products	202	40.6	40.9	40.5	40.7	-	3.9	4.1	3.9	4.2	-
Cheese, natural and processed	2022	38.7	39.7	38.4	38.3	-	3.3	3.7	3.3	3.5	-
Fluid milk	2026	41.9	41.7	41.4	41.4	-	4.6	4.4	4.6	4.5	-
Preserved fruits and vegetables	203	39.0	39.8	40.3	39.6	-	3.3	3.7	4.3	3.6	-
Canned specialties	2032	41.6	41.9	45.1	42.5	-	4.8	5.3	8.3	3.9	-
Canned fruits and vegetables	2033	38.7	38.4	39.8	39.2	-	2.8	3.1	3.6	3.0	-
Frozen fruits and vegetables	2037	37.9	39.2	39.7	38.6	-	2.8	3.0	4.4	3.5	-
Grain mill products	204	43.5	44.0	45.0	43.4	-	5.9	6.0	6.2	4.9	-
Flour and other grain mill products	2041	43.7	44.3	45.4	45.3	-	5.4	5.4	5.9	5.9	-
Prepared feeds, nec	2048	42.8	43.0	44.0	42.6	-	6.0	6.1	6.7	5.3	-
Bakery products	205	38.7	38.9	39.5	39.8	-	3.3	3.4	3.9	3.9	-
Bread, cake, and related products	2051	38.0	38.1	38.8	39.3	-	3.4	3.5	3.7	4.0	-
Cookies and crackers	2052	40.5	41.0	41.5	41.2	-	3.2	3.2	4.3	3.6	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Durable goods—Continued											
Transportation equipment	37	\$13.59	\$13.65	\$13.57	\$13.90	\$14.04	\$584.37	\$591.05	\$563.16	\$576.85	\$592.49
Motor vehicles and equipment	371	14.19	14.28	13.76	14.35	14.64	621.52	631.18	561.41	591.22	625.13
Motor vehicles and car bodies	3711	16.33	16.43	16.61	16.70	-	713.62	737.71	685.99	693.05	-
Truck and bus bodies	3713	11.85	11.76	12.07	12.47	-	524.96	512.74	479.18	500.05	-
Motor vehicle parts and accessories	3714	13.24	13.30	12.72	13.15	-	586.53	587.86	518.98	544.41	-
Truck trailers	3715	9.38	9.43	9.49	9.71	-	378.01	381.92	374.86	375.78	-
Aircraft and parts	372	14.07	14.11	14.55	14.64	-	603.60	605.32	622.74	626.59	-
Aircraft	3721	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$14.24	\$14.35	\$14.65	\$14.71	-	\$613.74	\$612.75	\$627.02	\$626.65	-
Aircraft equipment, nec	3728	12.88	12.93	13.20	13.29	-	558.99	562.46	568.92	574.13	-
Ship and boat building and repairing	373	10.40	10.48	10.80	10.70	-	416.00	427.58	437.40	425.86	-
Ship building and repairing	3731	11.60	11.72	11.69	11.79	-	470.96	487.55	485.14	476.32	-
Boat building and repairing	3732	8.66	8.65	9.13	8.77	-	339.47	344.27	355.16	340.28	-
Railroad equipment	374	12.66	12.62	13.37	13.24	-	545.65	536.35	542.82	537.54	-
Guided missiles, space vehicles, and parts	376	13.52	13.54	14.17	14.17	-	584.06	582.22	613.56	607.89	-
Guided missiles and space vehicles	3761	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Miscellaneous transportation equipment	379	\$10.28	\$10.42	\$10.57	\$10.57	-	\$414.28	\$412.63	\$411.17	\$412.23	-
Travel trailers and campers	3792	9.17	9.29	9.27	9.41	-	357.63	351.16	343.92	348.17	-
Instruments and related products	38	10.14	10.17	10.53	10.55	10.56	420.81	419.00	432.78	432.55	434.02
Engineering and scientific instruments	381	11.35	11.35	12.02	11.91	-	478.97	477.84	516.86	507.37	-
Measuring and controlling devices	382	9.88	9.93	10.23	10.32	-	411.01	409.12	421.48	422.09	-
Environmental controls	3822	9.38	9.36	9.29	9.36	-	377.08	376.27	383.68	379.08	-
Process control instruments	3823	9.46	9.45	9.94	10.00	-	414.35	414.86	427.42	424.00	-
Instruments to measure electricity	3825	9.97	10.10	10.56	10.67	-	412.76	407.03	426.62	428.93	-
Optical instruments and lenses	383	11.10	11.14	12.02	11.83	-	472.86	476.79	488.01	493.31	-
Medical instruments and supplies	384	9.17	9.22	9.48	9.49	-	374.14	369.72	385.84	386.24	-
Surgical and medical instruments	3841	9.34	9.40	9.55	9.53	-	382.94	376.94	387.73	388.82	-
Surgical appliances and supplies	3842	8.96	9.01	9.37	9.41	-	361.98	357.70	381.36	381.11	-
Ophthalmic goods	385	7.62	7.66	8.03	8.11	-	309.37	314.06	320.40	323.59	-
Photographic equipment and supplies	386	13.53	13.47	14.01	14.11	-	585.85	577.86	571.61	579.92	-
Watches, clocks, and watchcases	387	7.41	7.43	7.74	7.57	-	290.47	291.26	292.57	296.74	-
Miscellaneous manufacturing	39	8.23	8.23	8.59	8.59	8.64	322.62	324.26	336.73	336.73	340.42
Jewelry, silverware, and plated ware	391	8.79	8.82	9.21	9.22	-	326.99	335.16	339.85	348.52	-
Jewelry, precious metal	3911	8.79	8.84	9.16	9.22	-	322.59	332.38	335.26	342.06	-
Musical instruments	393	8.11	8.10	8.53	8.51	-	319.53	318.33	332.67	338.70	-
Toys and sporting goods	394	7.50	7.50	7.86	7.85	-	297.00	295.50	310.47	306.15	-
Dolls, games, toys, and children's vehicles	3942,4	7.50	7.47	7.88	7.80	-	283.50	281.62	299.44	300.30	-
Sporting and athletic goods, nec	3949	7.51	7.52	7.85	7.88	-	305.66	305.31	317.93	309.68	-
Pens, pencils, office, and art supplies	395	8.01	8.10	8.78	8.82	-	318.00	328.86	357.35	358.09	-
Costume jewelry and notions	396	6.95	6.98	7.13	7.00	-	264.80	267.33	277.36	277.20	-
Costume jewelry	3961	6.48	6.51	6.41	6.34	-	239.11	238.27	251.27	252.97	-
Miscellaneous manufactures	399	9.01	8.99	9.36	9.40	-	358.60	357.80	369.72	370.36	-
Signs and advertising displays	3993	9.25	9.19	9.71	9.73	-	364.45	363.92	390.34	388.23	-
Nondurable goods		9.62	9.66	9.95	9.95	10.02	382.88	385.43	396.01	394.02	397.79
Food and kindred products	20	9.26	9.33	9.47	9.49	9.57	366.70	372.27	381.64	376.75	381.84
Meat products	201	7.68	7.70	7.79	7.80	-	299.52	301.84	310.04	301.86	-
Meat packing plants	2011	8.54	8.52	8.60	8.57	-	341.60	341.65	345.72	338.52	-
Sausages and other prepared meats	2013	9.11	9.15	9.23	9.20	-	360.76	374.24	371.05	371.68	-
Poultry dressing plants	2016	6.48	6.52	6.70	6.74	-	245.59	247.76	264.65	252.08	-
Dairy products	202	10.03	10.02	10.40	10.43	-	407.22	409.82	421.20	424.50	-
Cheese, natural and processed	2022	9.32	9.37	9.57	9.67	-	360.68	371.99	367.49	370.36	-
Fluid milk	2026	10.40	10.44	10.79	10.74	-	435.76	435.35	446.71	444.64	-
Preserved fruits and vegetables	203	8.70	8.74	9.01	8.97	-	339.30	347.85	363.10	355.21	-
Canned specialties	2032	10.70	10.88	10.99	10.76	-	445.12	455.87	495.65	457.30	-
Canned fruits and vegetables	2033	8.78	8.88	9.22	9.22	-	339.79	340.99	366.96	361.42	-
Frozen fruits and vegetables	2037	7.89	7.85	8.10	8.10	-	299.03	307.72	321.57	312.66	-
Grain mill products	204	11.21	11.24	11.20	11.17	-	487.64	494.56	504.00	484.78	-
Flour and other grain mill products	2041	10.85	10.84	10.47	10.63	-	474.15	480.21	475.34	481.54	-
Prepared feeds, nec	2048	8.67	8.73	9.08	8.93	-	371.08	375.39	399.52	380.42	-
Bakery products	205	10.35	10.43	10.71	10.73	-	400.55	405.73	423.05	427.05	-
Bread, cake, and related products	2051	10.31	10.39	10.63	10.69	-	391.78	395.86	412.44	420.12	-
Cookies and crackers	2052	10.44	10.52	10.87	10.84	-	422.82	431.32	451.11	446.61	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	39.8	40.2	41.1	40.6	-	3.5	3.4	4.0	3.6	-
Cane and beet sugar	2061-3	44.0	43.7	44.4	44.9	-	6.7	6.4	7.0	7.1	-
Confectionery products	2065	38.0	38.7	39.3	39.3	-	2.6	2.5	2.9	2.6	-
Fats and oils	207	43.2	43.4	43.8	42.6	-	5.0	5.2	5.5	4.5	-
Beverages	208	40.5	41.1	40.6	40.7	-	3.2	3.6	3.7	3.8	-
Malt beverages	2082	43.4	44.0	42.7	42.8	-	5.8	6.1	6.3	6.3	-
Bottled and canned soft drinks	2086	38.9	39.6	39.4	39.5	-	2.3	2.8	2.6	2.8	-
Misc. food and kindred products	209	37.8	37.8	37.9	37.8	-	3.5	3.5	4.0	3.7	-
Tobacco manufactures	21	37.8	36.3	37.6	37.7	38.3	1.7	1.5	2.2	2.0	-
Cigarettes	211	37.9	36.4	38.1	38.0	-	1.8	1.6	2.4	2.1	-
Textile mill products	22	40.5	41.0	40.2	39.8	39.9	3.8	4.0	3.7	3.5	-
Weaving mills, cotton	221	41.1	41.2	40.6	40.0	-	4.3	4.3	4.4	4.0	-
Weaving mills, synthetics	222	41.1	40.9	41.0	40.7	-	4.0	4.0	3.9	3.5	-
Weaving and finishing mills, wool	223	41.2	41.6	40.6	39.8	-	3.7	3.4	2.8	2.8	-
Narrow fabric mills	224	41.3	42.3	40.5	40.8	-	3.5	4.1	3.0	2.7	-
Knitting mills	225	38.9	39.8	38.3	37.9	-	3.3	3.6	2.8	2.6	-
Women's hosiery, except socks	2251	38.1	39.0	38.3	38.3	-	2.9	3.0	3.6	2.5	-
Hosiery, nec	2252	38.5	39.0	37.4	37.2	-	2.7	3.2	2.0	1.9	-
Knit outerwear mills	2253	37.4	39.4	37.7	36.8	-	2.9	3.5	2.8	2.8	-
Knit underwear mills	2254	39.6	39.4	37.9	38.5	-	3.0	2.3	1.9	2.1	-
Circular knit fabric mills	2257	41.1	41.4	39.9	39.0	-	4.7	4.6	3.3	3.2	-
Textile finishing, except wool	226	41.9	42.6	40.6	41.1	-	4.6	5.0	4.3	4.3	-
Finishing plants, cotton	2261	42.1	42.7	41.5	41.3	-	4.2	4.4	4.6	4.4	-
Finishing plants, synthetics	2262	41.1	42.4	40.3	40.9	-	4.6	5.1	4.3	3.9	-
Floor covering mills	227	40.8	41.4	42.7	42.1	-	3.8	4.0	4.8	4.6	-
Yarn and thread mills	228	40.3	41.0	40.2	39.9	-	3.8	4.1	3.8	3.8	-
Yarn mills, except wool	2281	40.5	41.2	40.7	40.4	-	4.0	4.4	4.1	4.2	-
Throwing and winding mills	2282	38.6	39.1	37.1	36.6	-	2.7	2.3	2.5	2.1	-
Miscellaneous textile goods	229	42.1	42.1	41.5	41.3	-	4.2	4.0	3.8	3.8	-
Apparel and other textile products	23	36.9	36.9	36.4	36.4	36.4	1.9	2.0	1.5	1.5	-
Men's and boys' suits and coats	231	36.3	36.1	35.8	34.7	-	1.2	1.1	.7	1.7	-
Men's and boys' furnishings	232	36.5	36.9	36.7	36.3	-	1.5	1.7	1.4	1.2	-
Men's and boys' shirts and nightwear	2321	36.9	36.7	36.7	36.5	-	1.3	1.4	1.1	1.2	-
Men's and boys' separate trousers	2327	36.4	36.3	36.1	35.6	-	1.5	1.4	1.5	1.7	-
Men's and boys' work clothing	2328	35.7	36.3	36.2	35.6	-	1.5	1.8	1.4	1.0	-
Women's and misses' outerwear	233	35.7	35.9	35.1	35.4	-	1.6	1.7	1.6	1.6	-
Women's and misses' blouses and waists	2331	36.0	36.1	34.9	35.4	-	1.3	1.5	1.0	1.2	-
Women's and misses' dresses	2335	35.7	35.5	33.8	34.3	-	1.6	1.6	1.4	1.3	-
Women's and misses' suits and coats	2337	35.5	35.7	36.2	35.4	-	1.6	1.9	1.9	1.5	-
Women's and misses' outerwear, nec	2339	35.8	36.0	35.5	35.8	-	1.7	1.8	1.7	1.8	-
Women's and children's undergarments	234	37.7	37.6	36.4	36.9	-	1.8	2.0	1.2	1.4	-
Women's and children's underwear	2341	38.1	37.9	36.8	37.2	-	1.9	2.0	1.1	1.3	-
Brassieres and allied garments	2342	35.8	36.1	34.6	35.1	-	1.6	1.9	2.0	1.6	-
Children's outerwear	236	36.6	35.4	37.1	36.7	-	2.1	1.7	2.4	1.9	-
Children's dresses and blouses	2361	35.8	34.1	36.5	37.0	-	1.8	1.6	2.6	2.2	-
Misc. apparel and accessories	238	37.4	38.1	37.1	37.4	-	2.2	2.5	1.3	1.2	-
Misc. fabricated textile products	239	39.1	38.9	37.5	38.2	-	2.9	2.9	1.9	2.1	-
Curtains and draperies	2391	37.1	38.2	35.2	36.3	-	1.5	2.1	1.5	1.5	-
House furnishings, nec	2392	38.2	38.0	38.5	38.6	-	2.2	2.4	2.3	1.8	-
Automotive and apparel trimmings	2396	42.9	42.6	37.8	39.7	-	6.0	5.8	1.7	3.1	-
Paper and allied products	26	42.9	43.0	43.3	42.7	42.8	4.9	4.9	5.0	4.7	-
Paper and pulp mills	261,2,6	45.4	45.3	44.8	44.8	-	6.5	6.6	6.4	6.3	-
Paper mills, except building paper	262	45.5	45.5	45.0	44.9	-	6.6	6.8	6.4	6.4	-
Paperboard mills	263	44.3	44.2	45.8	44.5	-	6.7	6.4	7.1	6.6	-
Misc. converted paper products	264	41.4	41.5	42.2	41.6	-	3.7	3.7	4.1	3.8	-
Paper coating and glazing	2641	44.0	43.8	43.7	42.6	-	4.1	4.1	4.4	4.0	-
Envelopes	2642	41.0	41.2	43.0	42.4	-	3.1	2.8	4.4	3.6	-
Bags, except textile bags	2643	40.9	40.9	41.8	40.9	-	3.9	3.9	4.3	3.9	-
Paperboard containers and boxes	265	42.1	42.2	42.5	41.5	-	4.3	4.4	4.3	3.7	-
Folding paperboard boxes	2651	42.4	42.5	42.2	41.3	-	4.6	4.6	4.6	3.9	-
Corrugated and solid fiber boxes	2653	42.8	42.8	43.1	41.9	-	4.6	4.7	4.5	3.8	-
Sanitary food containers	2654	39.9	39.9	42.5	41.4	-	3.6	3.4	4.3	3.7	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$9.66	\$9.91	\$9.91	\$9.99	-	\$384.47	\$398.38	\$407.30	\$405.59	-
Cane and beet sugar	2061-3	11.24	11.72	11.21	11.56	-	494.56	512.16	497.72	519.04	-
Confectionery products	2065	8.53	8.76	8.77	8.84	-	324.14	339.01	344.66	347.41	-
Fats and oils	207	9.54	9.63	9.81	9.78	-	412.13	417.94	429.68	416.63	-
Beverages	208	12.63	12.88	13.16	13.29	-	511.52	529.37	534.30	540.90	-
Malt beverages	2082	17.60	18.05	18.21	18.26	-	763.84	794.20	777.57	781.53	-
Bottled and canned soft drinks	2086	10.03	10.20	10.51	10.57	-	390.17	403.92	414.09	417.52	-
Misc. food and kindred products	209	8.61	8.71	8.86	8.86	-	325.46	329.24	335.79	334.91	-
Tobacco manufactures	21	14.75	15.34	15.48	15.68	\$16.40	557.55	556.84	582.05	591.14	\$628.12
Cigarettes	211	17.95	18.21	19.38	19.20	-	680.31	662.84	738.38	729.60	-
Textile mill products	22	7.59	7.59	7.92	7.92	7.95	307.40	311.19	318.38	315.22	317.21
Weaving mills, cotton	221	7.92	7.90	8.24	8.23	-	325.51	325.48	334.54	329.20	-
Weaving mills, synthetics	222	8.10	8.20	8.49	8.46	-	332.91	335.38	348.09	344.32	-
Weaving and finishing mills, wool	223	8.18	8.20	8.52	8.40	-	337.02	341.12	345.91	334.82	-
Narrow fabric mills	224	7.08	7.15	7.27	7.21	-	292.40	302.45	294.44	294.17	-
Knitting mills	225	6.89	6.88	7.24	7.24	-	268.02	273.82	277.29	274.40	-
Women's hosiery, except socks	2251	6.84	6.83	6.92	6.86	-	260.60	266.37	265.04	262.74	-
Hosiery, nec	2252	6.56	6.67	6.81	6.88	-	252.56	260.13	254.69	255.94	-
Knit outerwear mills	2253	6.53	6.46	7.13	7.11	-	244.22	254.52	268.80	261.65	-
Knit underwear mills	2254	6.74	6.77	7.29	7.34	-	266.90	266.74	276.29	282.59	-
Circular knit fabric mills	2257	7.75	7.78	7.88	7.91	-	318.53	322.09	314.41	308.49	-
Textile finishing, except wool	226	8.02	8.03	8.34	8.32	-	336.04	342.08	338.60	341.95	-
Finishing plants, cotton	2261	8.05	8.01	8.24	8.25	-	338.91	342.03	341.96	340.73	-
Finishing plants, synthetics	2262	8.36	8.43	8.75	8.71	-	343.60	357.43	352.63	356.24	-
Floor covering mills	227	7.88	7.86	8.14	8.24	-	321.50	325.40	347.58	346.90	-
Yarn and thread mills	228	7.30	7.31	7.60	7.67	-	294.19	299.71	305.52	306.03	-
Yarn mills, except wool	2281	7.30	7.32	7.61	7.68	-	295.65	301.58	309.73	310.27	-
Throwing and winding mills	2282	7.37	7.33	7.64	7.77	-	284.48	286.60	283.44	284.38	-
Miscellaneous textile goods	229	8.54	8.53	8.85	8.87	-	359.53	359.11	367.28	366.33	-
Apparel and other textile products	23	6.32	6.34	6.41	6.46	6.53	233.21	233.95	233.32	235.14	237.69
Men's and boys' suits and coats	231	7.05	7.07	7.31	7.25	-	255.92	255.23	261.70	251.58	-
Men's and boys' furnishings	232	5.76	5.79	6.00	5.99	-	210.24	213.65	220.20	217.44	-
Men's and boys' shirts and nightwear	2321	5.69	5.68	6.01	5.98	-	209.96	208.46	220.57	218.27	-
Men's and boys' separate trousers	2327	5.55	5.59	5.69	5.60	-	202.02	202.92	205.41	199.36	-
Men's and boys' work clothing	2328	5.71	5.72	5.89	5.89	-	203.85	207.64	213.22	209.68	-
Women's and misses' outerwear	233	6.07	6.10	6.18	6.17	-	216.70	218.99	216.92	218.42	-
Women's and misses' blouses and waists	2331	5.28	5.33	5.45	5.49	-	190.08	192.41	190.21	194.35	-
Women's and misses' dresses	2335	6.46	6.58	6.46	6.50	-	230.62	233.59	218.35	222.95	-
Women's and misses' suits and coats	2337	6.28	6.27	6.87	6.83	-	222.94	223.84	248.69	241.78	-
Women's and misses' outerwear, nec	2339	6.06	6.05	6.09	6.06	-	216.95	217.80	216.20	216.95	-
Women's and children's undergarments	234	5.88	5.94	6.13	6.08	-	221.68	223.34	223.13	224.35	-
Women's and children's underwear	2341	5.74	5.77	5.95	5.93	-	218.69	218.68	218.96	220.60	-
Brassieres and allied garments	2342	6.65	6.84	7.09	6.90	-	238.07	246.92	245.31	242.19	-
Children's outerwear	236	5.59	5.65	5.90	5.80	-	204.59	200.01	218.89	212.86	-
Children's dresses and blouses	2361	5.58	5.68	5.84	5.79	-	199.76	193.69	213.16	214.23	-
Misc. apparel and accessories	238	6.13	6.14	6.38	6.40	-	229.26	233.93	236.70	239.36	-
Misc. fabricated textile products	239	7.62	7.60	7.34	7.62	-	297.94	295.64	275.25	291.08	-
Curtains and draperies	2391	6.21	6.26	6.49	6.40	-	230.39	239.13	228.45	232.32	-
House furnishings, nec	2392	6.35	6.36	6.56	6.55	-	242.57	241.68	252.56	252.83	-
Automotive and apparel trimmings	2396	11.74	11.67	10.26	11.17	-	503.65	497.14	387.83	443.45	-
Paper and allied products	26	11.80	11.84	12.13	12.11	12.14	506.22	509.12	525.23	517.10	519.59
Paper and pulp mills	261,2,6	14.49	14.56	14.95	14.96	-	657.85	659.57	669.76	670.21	-
Paper mills, except building paper	262	14.50	14.60	14.91	14.92	-	659.75	664.30	670.95	669.91	-
Paperboard mills	263	14.56	14.56	14.98	14.95	-	645.01	643.55	686.08	665.28	-
Misc. converted paper products	264	10.27	10.29	10.60	10.58	-	425.18	427.04	447.32	440.13	-
Paper coating and glazing	2641	11.31	11.38	11.94	11.97	-	497.64	498.44	521.78	509.92	-
Envelopes	2642	9.68	9.66	9.99	9.88	-	396.88	397.99	429.57	418.91	-
Bags, except textile bags	2643	9.45	9.51	9.79	9.80	-	386.51	388.96	409.22	400.82	-
Paperboard containers and boxes	265	10.09	10.12	10.29	10.21	-	424.79	427.06	437.33	423.72	-
Folding paperboard boxes	2651	10.53	10.58	10.86	10.79	-	446.47	449.65	458.29	445.63	-
Corrugated and solid fiber boxes	2653	10.22	10.29	10.35	10.24	-	437.42	440.41	446.09	429.06	-
Sanitary food containers	2654	9.87	9.78	10.11	9.96	-	393.81	390.22	429.68	412.34	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^a
Nondurable goods—Continued											
Printing and publishing	27	37.7	37.9	37.5	37.6	37.8	2.9	3.1	2.8	2.9	-
Newspapers	271	32.7	33.0	32.6	32.7	-	1.1	1.3	1.0	1.2	-
Periodicals	272	37.7	37.7	38.2	38.7	-	2.8	2.9	3.3	3.1	-
Books	273	39.8	39.9	37.8	38.6	-	3.5	3.9	2.3	3.3	-
Book publishing	2731	38.9	39.4	38.6	39.0	-	3.0	3.7	2.3	3.1	-
Book printing	2732	41.1	40.7	36.6	38.0	-	4.1	4.2	2.3	3.6	-
Miscellaneous publishing	274	36.4	36.8	36.2	36.6	-	1.7	2.2	1.5	2.0	-
Commercial printing	275	39.2	39.4	38.7	38.9	-	3.5	3.7	3.3	3.5	-
Commercial printing, letterpress	2751	38.7	38.9	38.2	38.4	-	2.9	3.0	3.0	3.0	-
Commercial printing, lithographic	2752	39.2	39.4	38.7	38.9	-	3.7	4.0	3.4	3.6	-
Manifold business forms	276	40.5	40.8	42.4	41.9	-	3.2	3.4	4.2	3.4	-
Blankbooks and bookbinding	278	38.0	38.6	37.7	37.1	-	2.6	3.0	2.8	2.3	-
Printing trade services	279	38.5	38.6	39.2	39.3	-	4.0	4.2	4.0	4.0	-
Chemicals and allied products	28	42.3	42.3	42.7	42.1	42.4	4.2	4.2	4.4	4.0	-
Industrial inorganic chemicals	281	42.9	42.8	42.3	42.5	-	4.2	4.2	3.9	4.1	-
Industrial inorganic chemicals, nec	2819	42.9	42.8	41.9	42.5	-	4.2	4.1	3.7	4.2	-
Plastics materials and synthetics	282	43.2	43.2	42.3	42.0	-	5.0	5.0	4.9	4.6	-
Plastics materials and resins	2821	43.5	43.8	44.1	43.4	-	5.2	5.3	5.4	5.1	-
Organic fibers, noncellulosic	2824	43.1	43.1	40.6	40.3	-	4.7	4.7	4.3	3.9	-
Drugs	283	41.6	41.0	42.5	41.9	-	3.7	3.5	4.4	3.7	-
Pharmaceutical preparations	2834	41.1	40.5	42.5	41.9	-	3.7	3.5	4.4	3.7	-
Soap, cleaners, and toilet goods	284	40.0	40.2	41.1	40.7	-	2.8	2.9	3.1	2.8	-
Soap and other detergents	2841	42.8	42.7	42.6	41.5	-	5.1	4.9	4.3	4.0	-
Polishing, sanitation, and finishing preparations	2842,3	40.7	40.8	42.0	41.4	-	3.2	3.1	3.2	2.7	-
Toilet preparations	2844	38.1	38.5	39.7	39.7	-	1.3	1.8	2.3	2.1	-
Paints and allied products	285	41.7	41.5	41.6	41.6	-	3.4	3.3	3.3	3.3	-
Industrial organic chemicals	286	44.5	45.0	45.3	43.8	-	5.6	5.8	6.0	5.0	-
Cyclic crudes and intermediates	2865	43.1	43.5	45.3	45.1	-	4.5	4.6	6.0	6.7	-
Gum, wood, and industrial organic chemicals, nec	2861,9	44.9	45.4	45.3	43.5	-	5.9	6.1	6.0	4.5	-
Agricultural chemicals	287	42.9	43.1	44.0	43.4	-	4.9	5.1	5.0	5.0	-
Miscellaneous chemical products	289	42.3	42.0	42.6	42.2	-	3.8	3.8	3.9	3.5	-
Petroleum and coal products	29	44.0	43.2	44.0	44.0	44.5	5.9	5.3	5.7	5.1	-
Petroleum refining	291	44.5	43.5	44.2	44.2	-	6.2	5.4	5.7	4.8	-
Paving and roofing materials	295	42.8	42.4	44.7	44.7	-	5.6	5.5	7.0	7.1	-
Rubber and misc. plastics products	30	41.6	41.5	41.1	40.9	41.2	4.2	4.1	3.6	3.6	-
Tires and inner tubes	301	44.9	44.9	43.5	43.5	-	6.0	6.1	5.2	5.0	-
Rubber and plastics footwear	302	40.2	39.5	44.4	43.1	-	1.5	1.9	3.3	3.8	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	43.5	43.2	43.6	43.4	-	4.0	4.5	4.5	5.4	-
Fabricated rubber products, nec	306	40.8	41.0	40.9	41.0	-	3.4	3.3	3.1	3.0	-
Miscellaneous plastics products	307	41.2	41.1	40.6	40.4	-	4.1	4.0	3.4	3.4	-
Leather and leather products	31	37.8	37.4	37.2	37.3	37.5	1.8	1.8	1.9	1.7	-
Leather tanning and finishing	311	41.5	41.8	41.9	42.0	-	4.5	4.8	4.3	4.3	-
Footwear, except rubber	314	37.3	36.7	36.5	36.1	-	1.4	1.4	1.5	1.1	-
Men's footwear, except athletic	3143	36.9	36.8	36.7	35.8	-	1.2	1.2	.9	.8	-
Women's footwear, except athletic	3144	37.5	36.9	36.1	36.2	-	1.7	1.9	1.9	1.3	-
Luggage	316	39.5	40.1	37.6	40.8	-	1.8	2.3	1.9	2.6	-
Handbags and personal leather goods	317	36.1	35.1	35.4	36.9	-	1.5	1.4	2.1	2.6	-
Transportation and public utilities		39.1	39.2	38.8	39.0	39.0	-	-	-	-	-
Railroad transportation:											
Class I railroads ³	4011	45.8	45.1	41.5	43.0	-	-	-	-	-	-
Local and interurban passenger transit	41	34.3	33.7	33.1	33.3	-	-	-	-	-	-
Local and suburban transportation	411	38.3	37.8	38.3	38.2	-	-	-	-	-	-
Intercity highway transportation	413	40.7	39.2	39.0	39.6	-	-	-	-	-	-
Trucking and warehousing	42	37.7	38.0	37.5	37.7	-	-	-	-	-	-
Trucking and trucking terminals	421,3	37.6	38.0	37.3	37.6	-	-	-	-	-	-
Public warehousing	422	38.4	38.9	39.3	39.3	-	-	-	-	-	-
Pipe lines, except natural gas	46	41.5	41.2	41.6	41.7	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Nondurable goods—Continued											
Printing and publishing	27	\$10.74	\$10.79	\$11.09	\$11.09	\$11.12	\$404.90	\$408.94	\$415.88	\$416.98	\$420.34
Newspapers	271	10.76	10.73	11.05	11.11	-	351.85	354.09	360.23	363.30	-
Periodicals	272	11.31	11.30	11.86	12.00	-	426.39	426.01	453.05	464.40	-
Books	273	9.53	9.39	9.86	9.77	-	379.29	374.66	372.71	377.12	-
Book publishing	2731	9.16	9.03	9.56	9.43	-	356.32	355.78	369.02	367.77	-
Book printing	2732	10.08	9.94	10.34	10.31	-	414.29	404.56	378.44	391.78	-
Miscellaneous publishing	274	10.09	10.20	10.09	10.23	-	367.28	375.36	365.26	374.42	-
Commercial printing	275	11.01	11.08	11.37	11.36	-	431.59	436.55	440.02	441.90	-
Commercial printing, letterpress	2751	10.57	10.62	11.05	11.08	-	409.06	413.12	422.11	425.47	-
Commercial printing, lithographic	2752	11.20	11.28	11.48	11.47	-	439.04	444.43	444.28	446.18	-
Manifold business forms	276	11.10	11.26	11.57	11.59	-	449.55	459.41	490.57	485.62	-
Blankbooks and bookbinding	278	8.51	8.62	8.82	8.70	-	323.38	332.73	332.51	322.77	-
Printing trade services	279	13.36	13.49	13.62	13.55	-	514.36	520.71	533.90	532.52	-
Chemicals and allied products	28	12.88	12.91	13.31	13.21	13.28	544.82	546.09	568.34	556.14	563.07
Industrial inorganic chemicals	281	14.10	14.05	14.36	14.42	-	604.89	601.34	607.43	612.85	-
Industrial inorganic chemicals, nec	2819	14.12	14.08	14.47	14.58	-	605.75	602.62	606.29	619.65	-
Plastics materials and synthetics	282	13.21	13.24	13.63	13.62	-	570.67	571.97	576.55	572.04	-
Plastics materials and resins	2821	14.21	14.20	14.41	14.45	-	618.14	621.96	635.48	627.13	-
Organic fibers, noncellulosic	2824	12.44	12.46	13.01	12.99	-	536.16	537.03	528.21	523.50	-
Drugs	283	12.40	12.47	12.77	12.64	-	515.84	511.27	542.73	529.62	-
Pharmaceutical preparations	2834	12.26	12.34	12.79	12.59	-	503.89	499.77	543.58	527.52	-
Soap, cleaners, and toilet goods	284	11.20	11.13	11.60	11.54	-	448.00	447.43	476.76	469.68	-
Soap and other detergents	2841	14.92	14.86	15.32	15.27	-	638.58	634.52	652.63	633.71	-
Polishing, sanitation, and finishing preparations	2842,3	10.23	10.27	10.15	10.20	-	416.36	419.02	426.30	422.28	-
Toilet preparations	2844	9.41	9.34	9.97	9.89	-	358.52	359.59	395.81	392.63	-
Paints and allied products	285	11.53	11.58	11.70	11.80	-	480.80	480.57	486.72	490.88	-
Industrial organic chemicals	286	15.26	15.38	15.72	15.56	-	679.07	692.10	712.12	681.53	-
Cyclic crudes and intermediates	2865	14.90	15.16	15.81	15.85	-	642.19	659.46	716.19	714.84	-
Gum, wood, and industrial organic chemicals, nec	2861,9	15.35	15.44	15.70	15.47	-	689.22	700.98	711.21	672.95	-
Agricultural chemicals	287	12.48	12.49	13.37	12.98	-	535.39	538.32	588.28	563.33	-
Miscellaneous chemical products	289	11.75	11.72	12.15	11.95	-	497.03	492.24	517.59	504.29	-
Petroleum and coal products	29	15.45	15.46	15.89	15.93	16.09	679.80	667.87	699.16	700.92	716.01
Petroleum refining	291	16.57	16.65	17.07	17.15	-	737.37	724.28	754.49	758.03	-
Paving and roofing materials	295	11.65	11.65	12.18	12.20	-	498.62	493.96	544.45	545.34	-
Rubber and misc. plastics products	30	9.31	9.33	9.59	9.60	9.68	387.30	387.20	394.15	392.64	398.82
Tires and inner tubes	301	14.88	14.92	15.24	15.10	-	668.11	669.91	662.94	656.85	-
Rubber and plastics footwear	302	6.50	6.46	6.36	6.61	-	261.30	255.17	282.38	284.89	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	9.22	9.34	9.65	9.94	-	401.07	403.49	420.74	431.40	-
Fabricated rubber products, nec	306	8.78	8.80	9.06	9.06	-	358.22	360.80	370.55	371.46	-
Miscellaneous plastics products	307	8.65	8.67	8.93	8.98	-	356.38	356.34	362.56	362.79	-
Leather and leather products	31	6.49	6.54	6.80	6.82	6.82	245.32	244.60	252.96	254.39	255.75
Leather tanning and finishing	311	8.72	8.76	8.88	8.96	-	361.88	366.17	372.07	376.32	-
Footwear, except rubber	314	6.21	6.25	6.53	6.52	-	231.63	229.38	238.35	235.37	-
Men's footwear, except athletic	3143	6.61	6.66	6.98	7.03	-	243.91	245.09	256.17	251.67	-
Women's footwear, except athletic	3144	5.90	5.94	6.10	6.06	-	221.25	219.19	220.21	219.37	-
Luggage	316	6.27	6.44	6.81	6.86	-	247.67	258.24	256.06	279.89	-
Handbags and personal leather goods	317	5.84	5.81	5.95	6.07	-	210.82	203.93	210.63	223.98	-
Transportation and public utilities		12.50	12.46	12.80	12.82	12.82	488.75	488.43	496.64	499.98	499.98
Railroad transportation:											
Class I railroads ³	4011	15.59	15.25	16.20	16.40	-	714.02	687.78	672.30	705.20	-
Local and interurban passenger transit	41	8.69	8.69	9.06	9.08	-	298.07	292.85	299.89	302.36	-
Local and suburban transportation	411	9.42	9.48	9.84	9.78	-	360.79	358.34	376.87	373.60	-
Intercity highway transportation	413	11.75	11.63	11.62	11.84	-	478.23	455.90	453.18	468.86	-
Trucking and warehousing	42	11.18	11.23	11.57	11.64	-	421.49	426.74	433.88	438.83	-
Trucking and trucking terminals	421,3	11.35	11.38	11.74	11.81	-	426.76	432.44	437.90	444.06	-
Public warehousing	422	9.10	9.27	9.37	9.41	-	349.44	360.60	368.24	369.81	-
Pipe lines, except natural gas	46	16.11	16.08	16.69	16.65	-	668.57	662.50	694.30	694.31	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Transportation and public utilities—Continued											
Communication	48	39.0	39.1	39.7	39.4	-	-	-	-	-	-
Telephone communication	481	40.5	40.6	41.4	41.1	-	-	-	-	-	-
Radio and television broadcasting	483	35.0	35.1	35.2	34.8	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.7	41.6	41.6	41.8	-	-	-	-	-	-
Electric services	491	42.0	41.8	41.2	41.9	-	-	-	-	-	-
Gas production and distribution	492	41.8	41.3	42.5	41.9	-	-	-	-	-	-
Combination utility services	493	42.1	42.0	42.0	42.4	-	-	-	-	-	-
Sanitary services	495	40.1	41.4	41.4	41.2	-	-	-	-	-	-
Wholesale trade		37.8	37.9	37.8	37.7	37.9	-	-	-	-	-
Durable goods	50	38.3	38.4	38.3	38.3	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	37.3	37.2	37.8	37.6	-	-	-	-	-	-
Furniture and home furnishings	502	37.3	37.3	36.5	36.4	-	-	-	-	-	-
Lumber and construction materials	503	38.6	39.2	38.6	38.9	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	36.0	35.5	35.1	35.3	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.1	40.3	39.9	39.9	-	-	-	-	-	-
Electrical goods	506	38.0	38.1	38.3	38.3	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.4	38.3	38.6	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies	508	38.8	38.9	38.7	38.7	-	-	-	-	-	-
Miscellaneous durable goods	509	38.1	38.6	37.2	37.5	-	-	-	-	-	-
Nondurable goods	51	36.9	37.0	37.0	37.0	-	-	-	-	-	-
Paper and paper products	511	36.8	37.0	37.2	37.2	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	36.9	36.8	37.6	37.0	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.3	36.3	35.8	36.7	-	-	-	-	-	-
Groceries and related products	514	37.4	37.5	37.5	37.3	-	-	-	-	-	-
Chemicals and allied products	516	39.6	39.6	39.7	39.1	-	-	-	-	-	-
Petroleum and petroleum products	517	38.2	38.0	38.2	38.1	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	35.7	36.0	35.6	35.9	-	-	-	-	-	-
Miscellaneous nondurable goods	519	36.1	36.3	36.0	36.2	-	-	-	-	-	-
Retail trade		28.3	28.5	28.1	28.3	28.5	-	-	-	-	-
Building materials and garden supplies	52	35.4	35.7	35.5	35.5	-	-	-	-	-	-
Lumber and other building materials	521	37.2	37.5	37.2	37.5	-	-	-	-	-	-
Hardware stores	525	31.8	31.8	31.6	31.6	-	-	-	-	-	-
General merchandise stores	53	26.4	26.9	26.7	26.6	-	-	-	-	-	-
Department stores	531	26.2	26.7	26.5	26.4	-	-	-	-	-	-
Variety stores	533	27.5	27.5	27.9	27.8	-	-	-	-	-	-
Misc. general merchandise stores	539	27.4	28.0	27.4	27.7	-	-	-	-	-	-
Food stores	54	29.3	29.4	28.9	29.1	-	-	-	-	-	-
Grocery stores	541	29.4	29.5	29.0	29.1	-	-	-	-	-	-
Retail bakeries	546	28.6	28.6	27.8	28.8	-	-	-	-	-	-
Automotive dealers and service stations	55	35.9	35.9	35.9	35.8	-	-	-	-	-	-
New and used car dealers	551,2	36.7	36.9	36.7	36.8	-	-	-	-	-	-
Auto and home supply stores	553	37.8	38.0	37.6	37.6	-	-	-	-	-	-
Gasoline service stations	554	33.8	33.5	33.7	33.5	-	-	-	-	-	-
Apparel and accessory stores	56	25.9	26.4	25.7	26.2	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	28.4	28.1	27.6	27.4	-	-	-	-	-	-
Women's ready-to-wear stores	562	23.5	24.2	22.9	23.2	-	-	-	-	-	-
Family clothing stores	565	25.4	26.2	25.1	26.2	-	-	-	-	-	-
Shoe stores	566	28.3	28.8	29.0	29.5	-	-	-	-	-	-
Furniture and home furnishings stores	57	32.2	32.4	32.5	32.4	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.0	33.1	33.1	33.2	-	-	-	-	-	-
Household appliance stores	572	33.4	33.4	33.2	33.4	-	-	-	-	-	-
Radio, television, and music stores	573	30.6	31.0	31.1	30.7	-	-	-	-	-	-
Eating and drinking places ⁴	58	24.8	25.1	24.6	24.9	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^b	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^a	Mar. 1990 ^b
Transportation and public utilities—Continued											
Communication	48	\$12.91	\$12.95	\$13.32	\$13.28	-	\$503.49	\$506.35	\$528.80	\$523.23	-
Telephone communication	481	13.63	13.65	13.94	13.99	-	552.02	554.19	577.12	574.99	-
Radio and television broadcasting	483	11.69	11.81	12.60	12.27	-	409.15	414.53	443.52	427.00	-
Electric, gas, and sanitary services	49	14.66	14.62	15.01	15.00	-	611.32	608.19	624.42	627.00	-
Electric services	491	14.78	14.83	15.52	15.55	-	620.76	619.89	639.42	651.55	-
Gas production and distribution	492	13.59	13.58	14.15	14.08	-	568.06	560.85	601.38	589.95	-
Combination utility services	493	17.31	17.15	17.03	17.00	-	728.75	720.30	715.26	720.80	-
Sanitary services	495	11.28	11.18	11.43	11.34	-	452.33	462.85	473.20	467.21	-
Wholesale trade		10.23	10.21	10.61	10.65	\$10.67	386.69	386.96	401.06	401.51	\$404.39
Durable goods	50	10.46	10.43	10.90	10.95	-	400.62	400.51	417.47	419.39	-
Motor vehicles and automotive equipment	501	9.49	9.46	10.12	10.02	-	353.98	351.91	382.54	376.75	-
Furniture and home furnishings	502	9.66	9.60	9.94	10.15	-	360.32	358.08	362.81	369.46	-
Lumber and construction materials	503	9.87	9.86	10.28	10.34	-	380.98	386.51	396.81	402.23	-
Sporting goods, toys, and hobby goods	504	9.14	9.27	10.55	10.57	-	329.04	329.09	370.31	373.12	-
Metals and minerals, except petroleum	505	10.83	10.74	11.18	11.26	-	434.28	432.82	446.08	449.27	-
Electrical goods	506	10.98	10.85	11.10	11.17	-	417.24	413.39	425.13	427.81	-
Hardware, plumbing, and heating equipment	507	9.81	9.79	10.21	10.31	-	376.70	374.96	394.11	396.94	-
Machinery, equipment, and supplies	508	11.19	11.20	11.67	11.73	-	434.17	435.68	451.63	453.95	-
Miscellaneous durable goods	509	8.32	8.29	8.59	8.63	-	316.99	319.99	319.55	323.63	-
Nondurable goods	51	9.90	9.89	10.17	10.21	-	365.31	365.93	376.29	377.77	-
Paper and paper products	511	10.84	10.80	11.19	11.29	-	398.91	399.60	416.27	419.99	-
Drugs, proprietaries, and sundries	512	11.36	11.10	11.46	11.82	-	419.18	408.48	430.90	437.34	-
Apparel, piece goods, and notions	513	9.86	9.85	10.21	10.20	-	357.92	357.56	365.52	374.34	-
Groceries and related products	514	10.02	10.06	10.27	10.28	-	374.75	377.25	385.13	383.44	-
Chemicals and allied products	516	12.47	12.51	12.54	12.59	-	493.81	495.40	497.84	492.27	-
Petroleum and petroleum products	517	9.82	9.80	10.04	10.03	-	375.12	372.40	383.53	382.14	-
Beer, wine, and distilled beverages	518	11.21	11.38	11.72	11.68	-	400.20	409.68	417.23	419.31	-
Miscellaneous nondurable goods	519	8.12	8.11	8.45	8.45	-	293.13	294.39	304.20	305.89	-
Retail trade		6.47	6.48	6.74	6.73	6.73	183.10	184.68	189.39	190.46	191.81
Building materials and garden supplies	52	7.63	7.62	7.86	7.92	-	270.10	272.03	279.03	281.16	-
Lumber and other building materials	521	8.04	8.01	8.21	8.27	-	299.09	300.38	305.41	310.13	-
Hardware stores	525	6.35	6.37	6.59	6.65	-	201.93	202.57	208.24	210.14	-
General merchandise stores	53	6.64	6.64	7.04	7.00	-	175.30	178.62	187.97	186.20	-
Department stores	531	6.89	6.89	7.31	7.26	-	180.52	183.96	193.72	191.66	-
Variety stores	533	5.34	5.32	5.50	5.51	-	146.85	146.30	153.45	153.18	-
Misc. general merchandise stores	539	5.64	5.63	5.84	5.93	-	154.54	157.64	160.02	164.26	-
Food stores	54	7.14	7.15	7.30	7.28	-	209.20	210.21	210.97	211.85	-
Grocery stores	541	7.24	7.25	7.39	7.38	-	212.86	213.88	214.31	214.76	-
Retail bakeries	546	6.10	6.13	6.24	6.26	-	174.46	175.32	173.47	180.29	-
Automotive dealers and service stations	55	8.30	8.39	8.70	8.76	-	297.97	301.20	312.33	313.61	-
New and used car dealers	551.2	10.01	10.13	10.57	10.65	-	367.37	373.80	387.92	391.92	-
Auto and home supply stores	553	7.24	7.33	7.66	7.70	-	273.67	278.54	288.02	289.52	-
Gasoline service stations	554	5.87	5.88	6.10	6.13	-	198.41	196.98	205.57	205.36	-
Apparel and accessory stores	56	5.89	5.89	6.16	6.17	-	152.55	155.50	158.31	161.65	-
Men's and boys' clothing and furnishings	561	7.28	7.12	7.63	7.54	-	206.75	200.07	210.59	206.60	-
Women's ready-to-wear stores	562	5.60	5.58	5.81	5.90	-	131.60	135.04	133.05	136.88	-
Family clothing stores	565	5.79	5.81	6.15	6.15	-	147.07	152.22	154.37	161.13	-
Shoe stores	566	5.85	5.97	6.03	6.03	-	165.56	171.94	174.87	177.89	-
Furniture and home furnishings stores	57	8.05	8.03	8.43	8.27	-	259.21	260.17	273.98	267.95	-
Furniture and home furnishings stores	571	8.09	8.09	8.41	8.29	-	266.97	267.78	278.37	275.23	-
Household appliance stores	572	8.09	8.03	8.76	8.54	-	270.21	268.20	290.83	285.24	-
Radio, television, and music stores	573	7.97	7.93	8.36	8.15	-	243.88	245.83	260.00	250.21	-
Eating and drinking places ¹	58	4.69	4.69	4.87	4.88	-	116.31	117.72	119.80	121.51	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Retail trade—Continued											
Miscellaneous retail	59	29.6	29.4	29.1	29.6	-	-	-	-	-	-
Drug stores and proprietary stores	591	26.9	27.0	26.9	26.9	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	27.8	27.9	27.6	27.8	-	-	-	-	-	-
Nonstore retailers	596	31.9	32.3	31.8	32.2	-	-	-	-	-	-
Fuel and ice dealers	598	39.1	38.6	39.3	37.8	-	-	-	-	-	-
Retail stores, nec	599	32.8	31.3	30.5	32.8	-	-	-	-	-	-
Finance, insurance, and real estate⁵		35.8	35.8	35.7	35.8	35.6	-	-	-	-	-
Banking	60	35.6	35.5	35.4	35.8	-	-	-	-	-	-
Commercial and stock savings banks	602	35.5	35.4	35.3	35.7	-	-	-	-	-	-
Credit agencies other than banks	61	36.4	36.4	36.0	36.2	-	-	-	-	-	-
Savings and loan associations	612	35.7	35.6	35.7	35.7	-	-	-	-	-	-
Personal credit institutions	614	36.1	36.1	35.9	36.3	-	-	-	-	-	-
Insurance carriers	63	37.1	37.2	37.1	37.4	-	-	-	-	-	-
Life insurance	631	37.0	37.0	36.9	37.4	-	-	-	-	-	-
Medical service and health insurance	632	38.0	38.0	37.9	38.4	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	36.8	37.0	36.8	37.0	-	-	-	-	-	-
Services		32.4	32.4	32.4	32.5	32.5	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	30.5	30.8	29.7	30.4	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	33.6	34.0	33.9	33.9	-	-	-	-	-	-
Beauty shops ⁴	723	29.6	30.0	29.0	28.9	-	-	-	-	-	-
Business services	73	33.5	33.6	33.4	33.5	-	-	-	-	-	-
Advertising	731	36.7	36.8	36.7	36.8	-	-	-	-	-	-
Services to buildings	734	29.6	29.5	29.2	29.1	-	-	-	-	-	-
Computer and data processing services	737	38.1	37.9	37.7	37.9	-	-	-	-	-	-
Auto repair, services, and garages	75	36.2	36.7	36.2	36.2	-	-	-	-	-	-
Automotive repair shops	753	37.8	38.2	37.7	37.8	-	-	-	-	-	-
Miscellaneous repair services	76	37.4	37.7	37.6	37.3	-	-	-	-	-	-
Motion pictures	78	29.3	28.9	29.7	30.2	-	-	-	-	-	-
Motion picture production and services	781	36.4	35.6	36.9	37.3	-	-	-	-	-	-
Amusement and recreation services	79	27.8	27.5	28.0	28.1	-	-	-	-	-	-
Health services	80	32.3	32.2	32.7	32.5	-	-	-	-	-	-
Offices of physicians	801	31.3	31.1	31.7	31.6	-	-	-	-	-	-
Offices of dentists	802	28.3	28.3	28.5	28.2	-	-	-	-	-	-
Nursing and personal care facilities	805	31.4	31.3	32.0	31.6	-	-	-	-	-	-
Hospitals	806	33.9	33.8	34.4	34.1	-	-	-	-	-	-
Legal services	81	34.6	34.5	34.7	34.9	-	-	-	-	-	-
Miscellaneous services	89	38.7	38.8	38.0	38.7	-	-	-	-	-	-
Engineering and architectural services	891	39.2	39.1	39.0	39.1	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	38.7	39.3	37.1	39.1	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^P	Mar. 1990 ^P
Retail trade—Continued											
Miscellaneous retail	59	\$6.76	\$6.78	\$7.02	\$7.02	-	\$200.10	\$199.33	\$204.28	\$207.79	-
Drug stores and proprietary stores	591	6.43	6.41	6.62	6.65	-	172.97	173.07	178.08	178.89	-
Miscellaneous shopping goods stores	594	6.35	6.38	6.57	6.61	-	176.53	178.00	181.33	183.76	-
Nonstore retailers	596	7.60	7.63	7.87	7.83	-	242.44	246.45	250.27	252.13	-
Fuel and ice dealers	598	9.56	9.47	10.04	9.92	-	373.80	365.54	394.57	374.98	-
Retail stores, nec	599	6.77	6.88	7.15	7.10	-	222.06	215.34	218.08	232.88	-
Finance, insurance, and real estate⁵		9.47	9.43	9.82	9.91	\$9.91	339.03	337.59	350.57	354.78	\$352.80
Banking	60	8.23	8.18	8.48	8.60	-	292.99	290.39	300.19	307.88	-
Commercial and stock savings banks	602	7.86	7.80	8.03	8.15	-	279.03	276.12	283.46	290.96	-
Credit agencies other than banks	61	8.51	8.50	9.08	9.01	-	309.76	309.40	326.88	326.16	-
Savings and loan associations	612	8.08	8.05	8.40	8.37	-	288.46	286.58	299.88	298.81	-
Personal credit institutions	614	8.06	8.11	8.40	8.31	-	290.97	292.77	301.56	301.65	-
Insurance carriers	63	10.49	10.50	10.90	10.98	-	389.18	390.60	404.39	410.65	-
Life insurance	631	9.86	9.88	10.17	10.18	-	364.82	365.56	375.27	380.73	-
Medical service and health insurance	632	10.19	10.16	10.54	10.68	-	387.22	386.08	399.47	410.11	-
Fire, marine, and casualty insurance	633	11.19	11.23	11.67	11.78	-	411.79	415.51	429.46	435.86	-
Services		9.28	9.29	9.73	9.75	9.76	300.67	301.00	315.25	316.88	317.20
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	6.58	6.63	6.89	6.88	-	200.69	204.20	204.63	209.15	-
Personal services:											
Laundry, cleaning, and garment services	721	6.48	6.50	6.71	6.72	-	217.73	221.00	227.47	227.81	-
Beauty shops ⁴	723	6.63	6.81	6.87	6.85	-	196.25	204.30	199.23	197.97	-
Business services	73	9.48	9.48	9.87	9.95	-	317.58	318.53	329.66	333.33	-
Advertising	731	12.81	12.75	13.19	13.28	-	470.13	469.20	484.07	488.70	-
Services to buildings	734	6.94	6.98	7.07	7.03	-	205.42	205.91	206.44	204.57	-
Computer and data processing services	737	13.78	13.81	14.43	14.67	-	525.02	523.40	544.01	555.99	-
Auto repair, services, and garages	75	8.29	8.28	8.61	8.61	-	300.10	303.88	311.68	311.68	-
Automotive repair shops	753	9.12	9.16	9.50	9.52	-	344.74	349.91	358.15	359.86	-
Miscellaneous repair services	76	9.75	9.77	10.13	10.19	-	364.65	368.33	380.89	380.09	-
Motion pictures	78	12.38	12.82	12.93	12.85	-	362.73	370.50	384.02	388.07	-
Motion picture production and services	781	15.74	16.45	16.44	16.06	-	572.94	585.62	606.64	599.04	-
Amusement and recreation services	79	8.13	8.09	8.30	8.24	-	226.01	222.48	232.40	231.54	-
Health services	80	9.63	9.65	10.21	10.21	-	311.05	310.73	333.87	331.83	-
Offices of physicians	801	9.15	9.16	9.59	9.65	-	286.40	284.88	304.00	304.94	-
Offices of dentists	802	9.29	9.37	9.86	9.95	-	262.91	265.17	281.01	280.59	-
Nursing and personal care facilities	805	6.63	6.65	7.07	7.07	-	208.18	208.15	226.24	223.41	-
Hospitals	806	10.97	10.99	11.62	11.60	-	371.88	371.46	399.73	395.56	-
Legal services	81	13.23	13.23	13.78	13.85	-	457.76	456.44	478.17	483.37	-
Miscellaneous services	89	12.90	12.83	13.51	13.50	-	499.23	497.80	513.38	522.45	-
Engineering and architectural services	891	13.95	13.90	14.43	14.56	-	546.84	543.49	562.77	569.30	-
Accounting, auditing, and bookkeeping	893	10.95	10.89	11.64	11.47	-	423.77	427.98	431.84	448.48	-

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

² See table C-2a for average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing.

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

⁴ Money payments only; tips, not included.

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

- Data not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

A Note on Average Hourly Earnings in Aircraft (SIC 3721) and Guided Missiles and Space Vehicles (SIC 3761) Manufacturing

For many years, the Bureau of Labor Statistics' average hourly earnings series for production workers in aircraft manufacturing (SIC 3721) and guided missiles and space vehicles manufacturing (SIC 3761) have been used to escalate labor costs in contracts between aerospace companies and their customers. Although the Bureau's series by definition take account of traditional wage rate changes, they do not capture "lump-sum payments to workers in lieu of general wage increases" which were negotiated in aerospace manufacturers' collective bargaining agreements beginning in late 1983.

Because of special circumstances in the aerospace industry, BLS has calculated average hourly earnings series for SIC 3721 and SIC 3761 which include lump-sum payments. These series, beginning in October 1983, the effective date of the first aerospace bargain-

ing agreement using lump-sum payments, were published in the June 1988 issue of *Employment and Earnings*. Current and year earlier data are presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. An explanation of the methodology used to derive these series appears in the Explanatory Notes of this publication.

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 is conducting 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 (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Jan. 1989	Feb. 1989	Jan. 1990	Feb. 1990 ^p	Jan. 1989	Feb. 1989	Jan. 1990	Feb. 1990 ^p
Average hourly earnings, excluding lump-sum payments	\$14.70	\$14.73	\$15.33	\$15.43	\$13.96	\$14.01	\$14.53	\$14.55
Average hourly earnings, including lump-sum payments	15.14	15.16	15.97	16.06	14.36	14.41	14.78	14.79

^p = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime,¹ of production workers on manufacturing payrolls

Industry	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Manufacturing	\$9.92	\$9.94	\$10.15	\$10.23	\$10.28
Durable goods	10.41	10.43	10.59	10.72	10.76
Lumber and wood products	8.35	8.32	8.63	8.62	(?)
Furniture and fixtures	7.84	7.86	8.19	8.16	(?)
Stone, clay, and glass products	10.08	10.04	10.32	10.31	(?)
Primary metal industries	11.54	11.54	11.85	11.95	(?)
Fabricated metal products	9.98	9.99	10.12	10.22	(?)
Machinery, except electrical	10.66	10.69	10.98	11.00	(?)
Electrical and electronic equipment	9.89	9.93	10.12	10.17	(?)
Transportation equipment	12.85	12.89	13.01	13.34	(?)
Instruments and related products	9.80	9.82	10.18	10.21	(?)
Miscellaneous manufacturing	7.99	7.98	8.34	8.35	(?)
Nondurable goods	9.22	9.24	9.54	9.56	\$9.61
Food and kindred products	8.85	8.90	9.00	9.07	(?)
Tobacco manufactures	14.43	15.03	15.03	15.27	(?)
Textile mill products	7.24	7.24	7.57	7.59	(?)
Apparel and other textile products	6.16	6.17	6.28	6.33	(?)
Paper and allied products	11.17	11.19	11.46	11.48	(?)
Printing and publishing	10.35	10.36	10.69	10.68	(?)
Chemicals and allied products	12.28	12.30	12.66	12.61	(?)
Petroleum and coal products	14.48	14.57	14.92	15.06	(?)
Rubber and misc. plastics products	8.86	8.89	9.19	9.20	(?)
Leather and leather products	6.34	6.38	6.63	6.67	(?)

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

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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.

INDUSTRY	Average hourly earnings					Average weekly earnings				
	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p	Feb. 1989	Mar. 1989	Jan. 1990	Feb. 1990 ^p	Mar. 1990 ^p
Total private:										
Current dollars	\$9.55	\$9.56	\$9.88	\$9.91	\$9.93	\$327.57	\$328.86	\$337.90	\$339.91	\$341.59
Constant (1977) dollars	4.84	4.82	4.78	4.77	(²)	165.94	165.76	163.47	163.73	(²)
Mining:										
Current dollars	13.22	13.15	13.31	13.31	\$13.38	551.27	552.30	580.32	574.99	\$574.00
Constant (1977) dollars	6.70	6.63	6.44	6.41	(²)	279.27	278.38	280.75	276.97	(²)
Construction:										
Current dollars	13.21	13.26	13.42	13.42	\$13.46	478.20	495.92	504.59	499.22	\$510.13
Constant (1977) dollars	6.69	6.68	6.49	6.46	(²)	242.25	249.96	244.12	240.47	(²)
Manufacturing:										
Current dollars	10.38	10.41	10.59	10.66	\$10.73	423.50	426.81	429.95	430.66	\$435.64
Constant (1977) dollars	5.26	5.25	5.12	5.13	(²)	214.54	215.13	208.01	207.45	(²)
Transportation and public utilities:										
Current dollars	12.50	12.46	12.80	12.82	\$12.82	488.75	488.43	496.64	499.98	\$499.98
Constant (1977) dollars	6.33	6.28	6.19	6.18	(²)	247.59	246.18	240.27	240.84	(²)
Wholesale trade:										
Current dollars	10.23	10.21	10.61	10.65	\$10.67	386.69	386.96	401.06	401.51	\$404.39
Constant (1977) dollars	5.18	5.15	5.13	5.13	(²)	195.89	195.04	194.03	193.41	(²)
Retail trade:										
Current dollars	6.47	6.48	6.74	6.73	\$6.73	183.10	184.68	189.39	190.46	\$191.81
Constant (1977) dollars	3.28	3.27	3.26	3.24	(²)	92.76	93.08	91.63	91.74	(²)
Finance, insurance, and real estate:										
Current dollars	9.47	9.43	9.82	9.91	\$9.91	339.03	337.59	350.57	354.78	\$352.80
Constant (1977) dollars	4.80	4.75	4.75	4.77	(²)	171.75	170.16	169.60	170.90	(²)
Services:										
Current dollars	9.28	9.29	9.73	9.75	\$9.76	300.67	301.00	315.25	316.88	\$317.20
Constant (1977) dollars	4.70	4.68	4.71	4.70	(²)	152.32	151.71	152.52	152.64	(²)

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

² Not available.

^p = 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 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-5. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

Industry	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^P	Mar. ^P
Total private	34.7	34.9	34.6	34.6	34.8	34.6	34.7	34.7	34.6	34.5	34.5	34.6	34.6
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Manufacturing	41.0	41.3	41.0	41.0	41.0	41.0	41.0	40.8	40.7	40.6	40.7	40.7	40.7
<i>Overtime hours</i>	4.0	3.9	3.8	3.8	3.9	3.8	3.8	3.7	3.7	3.6	3.7	3.6	3.7
Durable goods	41.7	41.9	41.5	41.5	41.5	41.6	41.6	41.2	41.2	41.2	41.3	41.3	41.3
<i>Overtime hours</i>	4.1	4.1	3.9	3.9	4.0	3.9	3.9	3.8	3.7	3.6	3.7	3.6	3.7
Lumber and wood products	40.0	40.5	39.7	39.8	39.6	40.2	40.2	40.4	40.3	40.1	40.5	39.9	40.2
Furniture and fixtures	39.8	39.9	39.4	39.4	39.5	39.6	39.6	39.2	39.4	39.2	39.8	39.6	39.1
Stone, clay, and glass products	42.2	42.5	41.9	42.2	42.3	42.5	42.2	42.3	42.4	41.5	42.2	42.0	41.8
Primary metal industries	43.5	43.3	43.2	43.3	43.0	42.9	42.8	42.5	42.6	42.5	42.5	42.3	42.6
Blast furnaces and basic steel products ..	44.1	43.5	43.6	43.7	43.2	43.4	42.9	42.8	43.0	42.8	43.2	43.0	43.2
Fabricated metal products	41.8	41.9	41.7	41.5	41.5	41.5	41.6	41.5	41.4	41.2	41.1	41.3	41.6
Machinery, except electrical	42.5	42.7	42.5	42.5	42.4	42.2	42.3	42.0	42.1	42.0	42.1	42.2	42.0
Electrical and electronic equipment	40.6	41.0	40.7	40.7	40.6	40.9	41.1	40.9	40.8	40.5	40.8	41.1	41.0
Transportation equipment	43.1	42.8	42.5	42.5	42.6	42.7	42.8	41.2	40.9	41.9	41.4	41.5	41.9
Motor vehicles and equipment	43.9	43.3	42.8	42.7	42.6	43.0	43.4	42.9	42.3	42.2	40.8	41.2	42.2
Instruments and related products	41.1	41.5	41.1	41.3	41.4	41.1	41.0	41.1	41.0	40.9	41.0	41.0	41.0
Miscellaneous manufacturing	39.5	39.8	39.6	39.4	39.3	39.4	39.2	39.3	39.7	39.3	39.4	39.5	39.4
Nondurable goods	40.1	40.4	40.2	40.3	40.2	40.2	40.2	40.2	40.1	39.9	40.0	39.9	39.9
<i>Overtime hours</i>	3.8	3.8	3.7	3.6	3.8	3.6	3.7	3.7	3.6	3.6	3.6	3.5	3.5
Food and kindred products	40.4	40.7	40.5	40.7	41.0	40.8	41.0	40.8	40.8	40.6	40.5	40.4	40.5
Tobacco manufactures	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Textile mill products	41.1	41.7	41.4	41.4	41.2	41.0	40.6	40.7	40.5	40.2	40.5	40.1	40.1
Apparel and other textile products	36.9	37.6	37.1	37.1	37.0	37.0	37.0	36.9	36.8	36.3	36.7	36.6	36.4
Paper and allied products	43.3	43.4	43.3	43.3	43.2	43.5	43.2	43.4	43.4	43.1	43.3	43.0	43.1
Printing and publishing	37.9	37.9	37.7	37.8	37.6	37.7	37.9	37.8	37.9	37.6	37.8	37.8	37.7
Chemicals and allied products	42.3	42.6	42.1	42.5	42.5	42.4	42.5	42.4	42.3	42.7	42.7	42.2	42.4
Petroleum and coal products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Rubber and misc. plastics products	41.6	41.6	41.5	41.5	41.4	41.5	41.5	41.4	41.2	40.8	40.9	41.0	41.2
Leather and leather products	38.0	38.3	37.4	37.9	37.7	38.1	38.1	37.7	37.5	37.2	37.4	38.0	38.0
Transportation and public utilities	39.4	40.1	39.5	39.4	39.4	39.0	39.3	39.3	39.1	39.3	39.1	39.3	39.2
Wholesale trade	38.1	38.3	37.9	38.0	38.1	38.0	38.1	38.1	38.1	38.0	38.0	38.0	38.1
Retail trade	28.9	29.1	28.9	28.9	29.2	28.8	28.8	29.0	28.8	28.7	28.8	28.9	28.9
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	32.6	32.8	32.5	32.5	32.8	32.6	32.7	32.8	32.6	32.6	32.5	32.6	32.7

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

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

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

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Total private	127.6	128.7	127.6	128.1	129.2	128.5	128.9	129.2	129.1	128.8	129.5	130.1	130.1
Goods-producing	102.9	103.5	102.4	102.5	103.0	103.3	102.8	102.4	102.5	101.1	102.2	102.8	102.1
Mining	81.1	83.4	81.8	81.2	80.3	84.4	85.3	85.5	86.2	85.3	87.1	87.8	86.9
Construction	140.3	141.0	138.2	139.3	142.7	143.5	143.1	143.8	145.8	139.5	149.5	150.5	146.2
Manufacturing	96.7	97.2	96.4	96.4	96.3	96.4	95.8	95.2	94.8	94.5	93.7	94.3	94.2
Durable goods	94.9	95.2	94.3	94.0	93.8	94.0	93.3	92.2	91.9	91.6	90.3	91.7	91.7
Lumber and wood products	105.3	105.9	103.7	103.4	102.6	103.6	103.0	104.2	103.9	103.2	105.1	102.7	103.2
Furniture and fixtures	114.3	114.6	112.9	112.6	113.2	111.9	111.6	109.9	110.2	109.1	110.5	110.0	108.6
Stone, clay, and glass products	90.5	91.0	89.3	89.8	90.0	90.2	88.8	89.6	90.0	87.7	89.6	89.2	88.4
Primary metal industries	68.9	68.6	68.2	68.5	67.9	67.6	66.7	65.9	65.6	65.6	64.8	64.9	64.9
Blast furnaces and basic steel products	53.6	52.4	52.3	52.6	52.0	53.0	51.9	51.1	50.8	51.1	51.3	50.8	49.8
Fabricated metal products	92.5	92.2	91.7	90.8	90.7	90.4	90.0	89.7	89.1	88.5	86.7	88.0	88.6
Machinery, except electrical	93.4	93.9	93.7	93.8	94.0	93.2	93.1	92.0	92.7	92.4	92.7	92.9	91.8
Electrical and electronic equipment	98.8	99.7	98.4	97.8	97.6	98.0	98.0	97.1	96.6	95.0	95.7	96.4	96.9
Transportation equipment	101.5	101.2	100.5	99.5	98.6	100.5	98.5	94.3	92.7	95.0	85.7	93.4	94.6
Motor vehicles and equipment	91.7	91.1	90.2	88.1	85.7	90.1	87.0	84.7	82.3	82.4	67.0	80.2	82.0
Instruments and related products	115.0	116.4	115.8	116.1	116.9	115.8	115.8	116.1	115.2	114.4	115.2	115.0	115.0
Miscellaneous manufacturing	86.1	87.1	86.6	86.2	85.7	86.8	85.8	86.0	86.2	86.3	87.7	87.6	86.2
Nondurable goods	99.5	100.1	99.5	99.9	100.1	99.9	99.7	99.6	99.2	98.7	98.8	98.2	98.0
Food and kindred products	102.9	103.8	103.3	104.3	106.4	105.2	106.2	105.9	105.5	105.0	105.1	104.5	104.3
Tobacco manufactures	69.6	73.0	69.6	69.0	70.5	68.7	69.0	67.6	66.9	66.2	69.0	68.9	66.2
Textile mill products	81.0	82.1	81.5	81.5	81.3	80.4	79.1	79.5	78.8	78.1	78.3	77.0	76.6
Apparel and other textile products	85.4	86.8	85.4	85.2	84.9	84.9	84.5	84.0	83.6	82.4	82.5	81.5	80.4
Paper and allied products	102.3	102.4	102.3	102.3	102.7	103.4	101.9	102.8	102.8	102.1	102.5	101.8	101.9
Printing and publishing	138.5	138.2	137.8	138.3	137.7	138.3	138.7	138.3	139.3	138.8	140.0	140.5	140.1
Chemicals and allied products	100.4	100.9	100.5	101.8	101.5	101.8	101.5	101.8	101.5	102.8	102.6	101.4	101.8
Petroleum and coal products	82.2	82.9	83.5	84.3	83.2	83.4	84.1	85.6	85.3	85.6	83.9	85.7	87.0
Rubber and misc. plastics products	119.9	119.9	119.6	118.9	118.8	119.3	118.4	118.1	116.8	115.3	114.5	114.1	115.0
Leather and leather products	56.1	56.0	54.7	55.5	54.7	54.8	54.8	53.8	53.0	52.1	52.4	53.3	53.3
Service-producing	141.2	142.6	141.5	142.2	143.7	142.4	143.3	144.0	143.9	144.1	144.6	145.2	145.6
Transportation and public utilities	116.2	118.6	117.3	117.3	117.7	113.7	116.8	117.4	117.3	119.8	119.4	120.3	120.2
Wholesale trade	126.4	127.2	126.1	126.7	127.2	127.3	127.6	128.0	128.3	128.1	128.7	128.6	129.0
Retail trade	126.9	127.7	127.2	127.4	128.9	127.5	127.5	128.4	128.3	127.6	128.6	128.8	128.6
Finance, insurance, and real estate	141.8	143.8	141.9	142.7	145.0	143.3	143.8	145.0	143.8	144.1	144.3	145.1	145.4
Services	167.3	168.9	167.5	169.0	170.8	170.4	171.4	172.2	172.0	172.4	172.7	174.0	174.9

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

C-7. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1989										1990		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb. ^p	Mar. ^p
Average hourly earnings													
Total private (in current dollars)	\$9.54	\$9.61	\$9.60	\$9.62	\$9.69	\$9.69	\$9.74	\$9.78	\$9.78	\$9.83	\$9.83	\$9.88	\$9.92
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	\$13.26	\$13.33	\$13.32	\$13.32	\$13.42	\$13.37	\$13.39	\$13.44	\$13.52	\$13.60	\$13.34	\$13.43	\$13.46
Manufacturing	10.40	10.40	10.42	10.45	10.48	10.52	10.55	10.55	10.57	10.61	10.55	10.65	10.71
Excluding overtime ³	9.92	9.92	9.97	9.99	10.01	10.05	10.08	10.08	10.11	10.15	10.10	10.20	10.26
Transportation and public utilities	12.50	12.52	12.54	12.54	12.61	12.57	12.67	12.68	12.61	12.71	12.79	12.79	12.86
Wholesale trade	10.21	10.36	10.28	10.33	10.44	10.39	10.47	10.54	10.54	10.59	10.57	10.61	10.67
Retail trade	6.47	6.51	6.49	6.52	6.54	6.57	6.58	6.61	6.61	6.65	6.69	6.71	6.72
Finance, insurance, and real estate	9.36	9.54	9.45	9.53	9.68	9.57	9.66	9.77	9.67	9.79	9.75	9.79	9.86
Services	9.24	9.32	9.33	9.34	9.46	9.43	9.49	9.58	9.54	9.62	9.62	9.65	9.71
Total private (in constant dollars) ⁴	4.80	4.80	4.77	4.77	4.79	4.80	4.81	4.81	4.79	4.80	4.74	4.74	(⁵)
Average weekly earnings													
Total private:													
In current dollars	331.04	335.39	332.16	332.85	337.21	335.27	337.98	339.37	338.39	339.14	339.14	341.85	343.23
In constant (1977) dollars ⁴	166.44	167.44	165.17	165.10	166.85	165.98	166.74	166.85	165.80	165.51	163.68	164.11	(⁵)

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

² This series is 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.

³ Derived by assuming that overtime hours are paid at the rate of time and one-half.

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

⁵ Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Alabama	40.9	41.1	40.9	\$9.14	\$9.27	\$9.27	\$373.83	\$381.00	\$379.14
Birmingham	40.3	41.0	41.6	9.44	9.57	9.58	380.43	392.37	398.53
Mobile	41.1	41.7	41.4	10.88	11.40	11.48	447.17	475.38	475.27
Alaska	50.6	41.7	42.3	10.55	12.10	12.22	533.83	504.57	516.91
Arizona	41.0	41.1	41.1	9.87	10.02	10.07	404.67	411.82	413.88
Arkansas	40.7	41.0	40.7	8.17	8.39	8.42	332.52	343.99	342.69
Fayetteville-Springdale	41.0	39.3	41.9	7.36	7.53	7.50	301.76	295.93	314.25
Fort Smith	40.3	40.5	39.2	8.70	8.58	8.61	350.61	347.49	337.51
Little Rock-North Little Rock	40.4	41.4	41.0	8.71	9.13	9.09	351.88	377.98	372.69
Pine Bluff	42.7	43.4	43.3	10.19	10.50	10.69	435.11	455.70	462.88
California	40.7	40.2	40.3	10.99	11.27	11.56	447.29	453.05	465.87
Anaheim-Santa Ana	42.0	40.8	41.1	11.08	11.27	11.51	465.36	459.82	473.06
Bakersfield	39.6	39.8	39.8	12.21	12.32	12.24	483.52	490.34	487.15
Fresno	38.8	38.8	38.4	9.34	9.26	9.45	362.39	359.29	362.88
Los Angeles-Long Beach	41.0	40.6	40.6	10.46	11.15	11.11	428.86	452.69	451.07
Modesto	38.3	39.0	38.2	10.37	10.65	10.43	397.17	415.35	398.43
Oakland	40.8	42.0	41.6	13.33	13.24	13.43	543.86	556.08	558.69
Oxnard-Ventura	40.5	40.2	40.1	10.39	10.94	11.02	420.80	439.79	441.90
Riverside-San Bernardino	40.2	40.0	39.0	9.82	10.13	10.23	394.76	405.20	398.97
Sacramento	38.8	40.0	39.3	11.20	11.56	11.68	434.56	462.40	459.02
San Diego	41.1	40.2	40.2	11.16	11.38	11.41	458.68	457.48	458.68
San Francisco	38.0	39.4	39.3	12.95	13.13	13.02	492.10	517.32	511.69
San Jose	40.6	39.8	40.2	12.79	13.56	13.55	519.27	539.69	544.71
Santa Barbara-Santa Maria-Lompoc	39.2	40.3	40.2	11.05	11.73	11.64	433.16	472.72	467.93
Santa Rosa-Petaluma	39.1	36.9	37.1	10.53	10.96	10.98	411.72	404.42	407.36
Stockton	40.2	41.8	41.9	10.77	11.18	11.10	432.95	467.32	465.09
Vallejo-Fairfield-Napa	38.8	39.0	37.8	12.96	13.21	13.38	502.85	515.19	505.76
Colorado	38.8	39.9	40.3	10.38	10.48	10.49	402.74	418.15	422.75
Denver	39.5	38.9	39.5	11.54	11.85	11.88	455.83	460.97	469.26
Connecticut	42.2	42.6	42.7	11.07	11.34	11.38	467.15	483.08	485.93
Bridgeport-Milford	41.8	43.2	42.1	11.70	11.92	12.16	489.06	514.94	511.94
Hartford	42.8	43.0	42.8	11.58	12.21	12.25	495.62	525.03	524.30
New Britain	42.6	42.6	42.3	11.51	12.08	12.21	490.33	514.61	516.48
New Haven-Meriden	41.3	41.2	41.7	10.72	10.82	10.86	442.74	445.78	452.86
Stamford	42.9	41.5	40.9	11.70	11.43	11.85	501.93	474.35	484.67
Waterbury	42.4	42.2	42.4	9.90	10.23	10.15	419.76	431.71	430.36
Delaware	41.2	41.2	40.4	12.41	12.13	12.48	511.29	499.76	504.19
Wilmington	41.9	42.8	42.9	15.02	14.74	14.85	329.34	630.87	637.07
District of Columbia:									
Washington MSA	39.7	38.7	38.9	11.45	12.18	12.26	454.57	471.37	476.91
Florida	41.0	41.3	41.3	8.60	8.82	8.78	352.60	364.27	362.61
Fort Lauderdale-Hollywood-Pompano Beach	42.8	40.6	42.6	8.35	8.87	8.91	357.38	360.12	379.57
Jacksonville	41.1	40.2	40.2	9.09	9.45	9.38	373.60	379.89	377.08
Miami-Hialeah	40.1	39.8	40.4	7.12	7.46	7.29	285.51	296.91	294.52
Orlando	41.9	40.9	40.5	9.54	10.21	10.18	399.73	417.59	412.29
Pensacola	43.9	43.2	42.4	11.12	11.72	11.57	488.17	506.30	490.57
Tampa-St. Petersburg-Clearwater	40.1	40.9	40.9	8.60	9.20	9.17	344.86	376.28	375.05
West Palm Beach-Boca Raton-Delray Beach	41.5	43.6	42.8	9.40	9.67	9.79	390.10	421.61	419.01
Georgia	40.7	41.1	40.2	8.74	8.98	9.03	355.72	369.08	363.01
Atlanta	40.3	42.3	42.8	10.09	10.14	10.08	406.63	428.92	431.42
Savannah	44.2	43.9	45.4	11.47	11.65	11.47	506.97	511.44	520.74
Hawaii	39.4	38.7	40.1	10.04	10.87	10.88	335.58	420.67	436.29
Honolulu	39.0	38.5	39.5	10.25	11.08	11.01	399.75	426.58	434.90
Idaho	38.5	37.9	38.9	10.21	10.50	10.47	393.09	397.95	407.28

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Illinois	41.9	41.5	41.0	\$11.12	\$11.29	\$11.32	\$465.93	\$468.54	\$464.12
Aurora-Elgin	42.1	40.4	41.1	10.72	10.58	10.68	451.31	427.43	438.95
Bloomington-Normal	39.0	41.2	40.4	11.14	12.16	12.21	434.46	500.99	493.28
Champaign-Urbana-Rantoul	37.1	40.2	40.2	9.41	10.19	9.83	349.11	409.64	395.17
Chicago	42.4	41.5	40.8	10.84	11.07	11.15	459.62	459.41	454.92
Davenport-Rock Island-Moline	43.1	41.8	41.2	12.35	13.46	13.47	532.29	562.63	554.96
Decatur	44.6	44.8	44.9	14.33	14.56	14.52	639.12	652.29	651.95
Joliet	40.8	42.0	41.5	11.81	12.97	13.01	481.85	544.74	539.92
Kankakee	42.3	42.0	41.1	11.40	11.69	11.73	482.22	490.98	482.10
Lake County	40.7	40.2	39.4	11.03	11.68	11.66	448.92	469.54	459.40
Peoria	43.0	42.5	43.3	13.05	13.72	13.82	561.15	583.10	598.41
Rockford	42.6	41.5	41.0	12.03	11.82	12.16	512.48	490.53	498.56
Springfield	38.3	37.8	36.9	10.11	9.91	9.73	387.21	374.60	359.04
Indiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Iowa	41.0	40.4	40.2	10.73	11.07	11.09	439.93	447.23	445.82
Cedar Rapids	39.7	39.8	38.1	12.43	12.71	12.70	493.47	505.86	483.87
Des Moines	42.7	41.3	40.8	12.22	12.07	12.01	521.79	498.49	490.01
Dubuque	39.8	40.1	39.9	11.56	11.51	11.82	460.09	461.55	471.62
Sioux City	38.3	38.6	38.5	8.36	8.49	8.61	320.19	327.71	331.49
Kansas	40.3	39.9	39.7	10.82	10.73	10.74	436.05	428.13	426.38
Topeka	42.1	41.5	40.8	12.12	11.62	11.72	510.25	482.23	478.18
Wichita	41.7	40.4	40.7	11.34	11.88	11.90	472.88	479.95	484.33
Kentucky	40.2	40.0	39.9	10.31	10.39	10.50	414.46	415.60	418.95
Lexington-Fayette	40.4	41.1	41.6	10.33	10.75	10.79	417.33	441.83	448.86
Louisville	41.6	40.9	40.8	11.81	11.80	12.01	491.30	482.62	490.01
Louisiana	41.9	43.5	42.5	11.36	11.38	11.44	475.98	495.03	486.20
Baton Rouge	43.1	44.9	42.9	13.16	13.52	13.28	567.20	607.05	569.71
New Orleans	40.9	43.1	41.8	10.92	11.07	11.01	446.63	477.12	460.22
Shreveport	40.5	40.8	41.5	11.93	10.40	11.34	483.17	424.32	470.61
Maine	40.2	40.4	40.3	9.69	10.36	10.38	389.54	418.54	418.31
Lewiston-Auburn	39.8	38.6	39.0	8.20	8.98	9.13	326.36	346.63	356.07
Portland	39.0	38.8	38.3	10.57	10.53	10.44	412.23	408.56	399.85
Maryland	40.8	40.5	40.4	11.09	11.27	11.46	452.47	456.44	462.98
Baltimore MSA	41.0	40.9	40.6	11.38	11.70	11.89	466.58	478.53	482.73
Massachusetts	40.7	40.6	40.6	10.67	11.09	11.15	434.27	450.25	452.69
Boston	40.9	40.5	40.5	11.50	11.81	11.80	470.35	478.31	477.90
Springfield	42.0	41.6	41.7	10.27	10.52	10.49	431.34	437.63	437.43
Worcester	41.5	41.3	41.3	10.46	10.96	11.01	434.09	452.65	454.71
Michigan	43.7	40.5	40.5	13.48	13.15	13.61	589.08	532.57	551.20
Ann Arbor	44.2	42.7	41.9	14.41	14.13	14.41	636.92	603.35	603.78
Battle Creek	43.4	41.9	42.1	14.39	14.38	14.34	624.53	602.52	603.71
Detroit	44.7	40.8	41.4	14.50	14.29	14.71	648.15	583.03	608.99
Flint	43.1	39.9	40.5	16.68	17.07	17.66	718.91	681.09	715.23
Grand Rapids	41.5	40.8	40.2	11.53	11.64	11.67	478.49	474.91	469.13
Jackson	43.8	40.3	40.4	10.51	10.59	10.68	460.34	426.78	431.47
Kalamazoo	42.8	42.3	41.2	12.90	13.03	13.24	552.12	551.17	545.49
Lansing-East Lansing	44.0	32.0	36.2	14.44	14.25	14.61	635.36	456.00	528.88
Muskegon	40.8	41.4	40.9	12.31	12.51	12.43	502.25	517.91	508.39
Saginaw-Bay City-Midland	44.8	43.0	41.4	15.36	14.22	15.37	688.13	611.46	636.32
Minnesota	40.2	40.3	40.0	10.83	11.18	11.18	435.37	450.55	447.20
Duluth	38.3	39.0	39.4	11.44	12.19	11.91	438.15	475.41	469.25
Minneapolis-St. Paul	40.5	40.4	40.2	11.35	11.68	11.72	459.68	471.87	471.14
St. Cloud	40.1	41.2	40.6	10.34	10.03	9.86	414.63	413.24	400.32
Mississippi	39.7	39.4	39.6	7.98	8.21	8.28	316.81	323.47	327.89
Jackson	40.1	40.3	40.7	9.09	9.14	9.32	364.51	368.34	379.32

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Missouri	40.4	40.7	40.4	\$10.40	\$10.57	\$10.68	\$420.16	\$430.20	\$431.47
Kansas City	41.5	41.2	40.6	11.42	11.13	11.14	473.93	458.56	452.28
St. Louis	41.6	42.3	42.2	12.23	12.60	12.70	508.77	532.98	535.94
Springfield	39.4	40.5	38.9	8.82	9.08	9.10	347.51	367.74	353.99
Montana	38.4	38.8	38.6	10.97	11.31	11.56	421.25	438.83	446.22
Nebraska	40.4	40.4	40.2	9.50	9.53	9.55	383.80	385.01	383.91
Lincoln	39.9	39.9	39.5	10.55	10.79	10.81	420.95	430.52	427.00
Omaha	40.9	41.1	41.1	10.36	10.24	10.40	423.72	420.86	427.44
Nevada	40.3	(¹)	(¹)	10.19	(¹)	(¹)	410.66	(¹)	(¹)
Las Vegas	42.6	(¹)	(¹)	14.33	(¹)	(¹)	610.46	(¹)	(¹)
New Hampshire	41.3	41.1	40.9	10.07	10.74	10.73	415.89	441.41	438.86
Manchester	40.6	41.8	42.8	10.06	10.83	10.63	408.44	452.69	454.96
Nashua	41.2	40.0	40.4	12.27	13.39	13.39	505.52	535.60	540.96
Portsmouth-Dover-Rochester	40.9	41.1	40.9	9.39	10.13	10.14	384.05	416.34	414.73
New Jersey	41.1	41.1	41.1	11.04	11.51	11.49	453.74	473.06	472.24
New Mexico	40.0	39.2	40.1	8.97	9.01	8.78	358.80	353.19	352.08
Albuquerque	38.3	38.2	38.2	8.74	9.04	9.03	334.74	345.33	344.95
New York	40.0	39.7	39.7	10.58	10.82	10.95	423.20	429.55	434.72
Albany-Schenectady-Troy	40.9	40.0	41.5	11.16	11.61	11.65	456.44	464.40	483.48
Binghamton	41.8	40.9	41.0	9.20	9.63	9.69	384.56	393.87	397.29
Buffalo	42.1	41.1	40.7	12.98	12.37	12.87	546.46	508.41	523.81
Elmira	41.5	40.6	40.6	9.54	9.42	9.44	395.91	382.45	383.26
Nassau-Suffolk	39.6	39.9	40.4	11.25	11.86	11.71	445.50	473.21	473.08
New York PMSA	37.3	37.1	37.0	9.82	10.26	10.28	366.29	380.65	380.36
New York City	36.8	36.6	36.6	9.70	10.04	10.14	356.96	367.46	371.12
Niagara Falls	41.3	41.0	39.9	13.74	13.00	13.78	567.46	533.00	549.82
Orange County	38.7	40.3	40.1	8.84	9.29	9.47	342.11	374.39	379.75
Poughkeepsie	40.6	40.2	40.0	10.40	10.96	11.14	422.24	440.59	445.60
Rochester	43.1	42.0	41.7	12.08	12.46	12.53	520.65	523.32	522.50
Rockland County	40.0	39.2	38.1	9.47	8.76	9.13	378.80	343.39	347.85
Syracuse	41.5	40.8	40.8	12.20	11.94	11.94	506.30	487.15	487.15
Utica-Rome	40.7	40.9	41.4	9.79	10.22	10.24	398.45	418.00	423.94
Westchester County	41.2	40.9	39.9	10.94	12.46	12.18	450.73	509.61	485.98
North Carolina	39.7	40.0	39.6	8.32	8.62	8.62	330.30	344.80	341.35
Asheville	41.0	40.5	41.3	8.32	8.64	8.58	341.12	349.92	354.35
Charlotte-Gastonia-Rock Hill	40.3	40.0	39.6	8.80	9.22	9.19	354.64	368.80	363.92
Greensboro-Winston-Salem-High Point	38.4	38.9	38.9	9.03	9.35	9.29	346.75	363.72	361.38
Raleigh-Durham	40.8	41.7	41.8	9.29	9.71	9.81	379.03	404.91	410.06
North Dakota	39.2	39.7	39.8	8.55	8.78	8.89	335.16	348.57	353.82
Fargo-Moorhead	38.9	39.3	38.4	8.62	8.65	8.80	335.32	339.95	337.92
Ohio	43.0	42.0	41.9	12.19	12.19	12.35	524.17	511.98	517.47
Akron	42.5	42.9	42.6	11.52	11.60	11.63	489.60	497.64	495.44
Canton	42.1	42.3	41.9	11.02	11.24	11.25	463.94	475.45	471.38
Cincinnati	42.9	42.8	42.6	11.56	11.73	11.72	495.92	502.04	499.27
Cleveland	43.4	42.3	42.1	11.83	11.71	11.86	513.42	495.33	499.31
Columbus	41.5	42.1	42.2	11.83	12.27	12.36	490.95	516.57	521.59
Dayton-Springfield	43.7	41.4	41.9	13.01	12.93	13.07	568.54	535.30	547.63
Toledo	44.5	42.1	41.9	13.40	12.42	13.20	596.30	522.88	553.08
Youngstown-Warren	42.4	42.2	41.8	13.70	13.74	14.10	580.88	579.83	589.38
Oklahoma	41.1	42.3	41.0	10.38	10.22	10.65	426.62	432.31	436.65
Oklahoma City	41.6	43.5	40.8	11.70	10.54	11.55	486.72	458.49	471.24
Tulsa	42.0	41.3	40.7	9.97	11.14	11.33	418.74	460.08	461.13
Oregon	38.0	38.7	38.0	10.73	11.08	11.00	407.74	428.80	418.00
Eugene-Springfield	36.4	40.0	37.6	10.76	10.82	10.96	391.66	432.80	412.10
Portland	38.8	38.9	38.6	10.68	11.25	11.21	414.38	437.63	432.71
Salem	36.4	36.5	36.0	9.56	10.10	9.88	347.98	368.65	355.68

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Feb. 1989	Jan. 1990	Feb. 1990 ^p	Feb. 1989	Jan. 1990	Feb. 1990 ^p	Feb. 1989	Jan. 1990	Feb. 1990 ^p
Pennsylvania	40.9	40.6	40.5	\$10.58	\$10.87	\$10.89	\$432.72	\$441.32	\$441.05
Allentown-Bethlehem	39.8	39.8	39.3	10.46	10.90	10.99	416.31	433.82	431.91
Altoona	39.9	38.6	39.9	9.32	9.48	9.38	371.87	365.93	374.26
Beaver County	43.5	43.6	43.1	10.55	10.86	10.87	458.93	473.50	468.50
Erie	42.6	44.0	43.4	11.22	11.40	11.45	477.97	501.60	496.93
Harrisburg-Lebanon-Carlisle	40.9	40.9	39.7	10.59	11.12	11.07	433.13	454.81	439.48
Johnstown	39.5	37.9	37.9	8.11	8.47	8.27	320.35	321.01	313.43
Lancaster	40.7	40.3	40.3	10.55	10.91	10.95	429.39	439.67	441.29
Philadelphia PMSA	40.5	40.3	40.4	11.59	11.85	11.92	469.40	477.56	481.57
Pittsburgh	42.0	41.9	42.4	11.23	11.18	11.20	471.66	468.44	474.88
Reading	40.7	41.2	41.2	11.09	11.37	11.29	451.36	468.44	465.15
Scranton-Wilkes-Barre	38.9	38.7	38.2	8.98	9.49	9.49	349.32	367.26	362.52
Williamsport	39.0	40.7	40.2	9.44	9.55	9.50	368.16	388.69	381.90
York	41.8	41.6	41.9	10.08	10.40	10.41	421.34	432.64	436.18
Rhode Island	39.5	39.6	39.7	8.94	9.30	9.29	353.13	368.28	368.81
Pawtucket-Woonsocket-Attleboro	39.8	39.0	39.0	8.35	8.66	8.67	332.33	337.74	338.13
Providence	39.0	39.2	39.2	8.45	8.78	8.81	329.55	344.18	345.35
South Carolina	41.4	41.2	41.1	8.39	8.67	8.67	347.35	357.20	356.34
Charleston	39.6	40.3	40.2	9.09	9.44	9.44	359.96	380.43	379.49
Columbia	41.5	41.7	41.6	8.63	8.88	8.87	358.14	370.30	368.99
Greenville-Spartanburg	40.7	41.5	41.6	8.20	8.56	8.58	333.74	355.24	356.93
South Dakota	41.2	40.8	39.6	8.19	8.38	8.33	337.43	341.90	329.87
Sioux Falls	41.9	45.1	43.8	8.24	8.49	8.19	345.26	382.90	358.72
Tennessee	40.8	38.9	38.4	9.22	9.27	9.45	376.18	360.60	362.88
Chattanooga	41.5	40.1	40.0	8.22	8.28	8.44	341.13	332.03	337.60
Johnson City-Kingsport-Bristol	42.6	40.1	39.5	9.36	8.86	8.72	398.74	355.29	344.44
Knoxville	39.1	37.3	36.5	8.96	9.25	9.17	350.34	345.03	334.71
Memphis	42.7	40.1	39.6	9.32	9.56	9.63	397.96	383.36	381.35
Nashville	40.6	40.8	42.0	10.84	10.58	10.99	440.10	431.66	461.58
Texas	41.2	41.7	41.4	10.15	10.39	10.37	418.18	433.26	429.32
Dallas	41.1	42.6	42.1	10.37	10.58	10.48	426.21	450.71	441.21
Ft. Worth-Arlington	40.8	41.2	41.4	10.77	11.05	11.16	439.42	455.26	462.02
Houston	43.0	43.8	43.6	11.69	11.92	11.95	502.67	522.10	521.02
San Antonio	39.1	41.5	41.4	7.51	7.54	7.57	293.64	312.91	313.40
Utah	39.5	39.7	39.9	10.04	10.23	10.24	396.58	406.13	408.58
Salt Lake City-Ogden	39.5	39.7	40.2	9.88	10.12	10.14	390.26	401.76	407.63
Vermont	40.5	40.8	40.6	9.79	10.36	10.40	396.50	422.69	422.24
Burlington	40.0	41.0	40.0	10.31	10.97	11.05	412.40	449.77	442.00
Virginia	40.1	40.7	40.1	9.57	9.87	9.91	383.76	401.71	397.39
Bristol	40.7	41.0	41.1	7.79	8.07	7.93	317.05	330.87	325.92
Charlottesville	40.9	43.6	42.0	8.01	8.57	8.64	327.61	373.65	362.88
Danville	41.3	42.0	40.7	9.37	9.53	9.48	386.98	400.26	385.84
Lynchburg	42.6	41.0	40.3	9.41	9.79	9.86	400.87	401.39	397.36
Northern Virginia	38.9	40.5	40.8	10.58	11.06	11.00	411.56	447.93	448.80
Richmond-Petersburg	41.5	42.7	41.7	12.48	12.77	12.76	517.92	545.28	532.09
Roanoke	40.9	42.3	41.9	10.99	11.93	11.82	449.49	504.64	495.26
Washington	40.0	40.5	39.3	12.20	12.62	12.71	488.00	511.11	499.50
West Virginia	40.5	40.7	40.4	11.04	11.35	11.33	447.12	461.95	457.73
Charleston	43.0	44.2	43.8	13.54	13.42	13.47	582.22	593.16	589.99
Huntington-Ashland	41.0	40.7	41.2	12.67	13.11	13.18	519.47	533.58	543.02
Parkersburg-Marietta	42.2	42.1	41.5	12.84	12.99	12.77	541.85	546.88	529.96
Wheeling	42.0	41.5	41.0	13.28	13.23	13.33	557.76	549.05	546.53
Wisconsin	41.6	41.0	41.1	10.78	10.91	11.01	448.45	447.31	452.51
Appleton-Oshkosh	42.7	42.5	42.6	11.57	11.98	11.89	494.04	509.15	506.51
Eau Claire	41.5	43.1	43.1	10.62	11.02	10.72	440.73	474.96	462.03
Green Bay	40.9	40.7	40.8	11.24	11.74	11.58	459.72	477.82	472.46
Janesville-Beloit	44.1	42.4	42.1	13.15	11.47	12.18	579.92	486.33	512.78
Kenosha	41.3	35.6	41.5	12.47	11.02	11.54	515.01	392.31	478.91
La Crosse	40.4	39.0	39.1	9.38	9.67	9.81	378.95	377.13	383.57
Madison	41.0	40.0	39.3	10.01	10.13	10.40	410.41	405.20	408.72
Milwaukee	41.9	42.0	41.8	11.66	11.74	11.78	488.55	493.08	492.40
Racine	39.1	39.9	38.5	10.66	11.11	11.19	416.81	443.29	430.82
Wausau	41.2	42.2	41.6	10.30	10.64	10.64	424.36	449.01	442.62
Wyoming	39.5	39.6	40.1	10.62	10.59	10.83	419.49	419.36	434.28
Puerto Rico	39.8	(¹)	(¹)	5.65	(¹)	(¹)	224.87	(¹)	(¹)
Virgin Islands	41.6	(¹)	(¹)	10.38	(¹)	(¹)	431.81	(¹)	(¹)

¹ Not available.
^p = preliminary.

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

publication. All State and area data have been adjusted to March 1989 benchmarks, and industry detail are classified in accordance with the 1987 *Standard Industrial Classification (SIC) Manual*.

**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) ¹			Percent change		
	Jan. 1990 ^r	Feb. 1990 ^r	Mar. 1990 ^p	Mar. 1989 to Mar. 1990 ^p	Jan. 1990 to Feb. 1990 ^r	Feb. 1990 to Mar. 1990 ^p
Total	203,892	204,790	204,702	2.2	0.4	0.0
Private sector	167,784	168,579	168,387	2.0	.5	-.1
Mining	1,685	1,690	1,680	7.1	.3	-.6
Construction	10,899	11,036	10,806	4.5	1.3	-2.1
Manufacturing	41,068	41,268	41,183	-1.7	.5	-.2
Durable goods	24,205	24,463	24,398	-2.4	1.1	-.3
Nondurable goods	16,863	16,806	16,786	-.7	-.3	-.1
Transportation and public utilities	11,925	11,986	11,979	3.0	.5	-.1
Wholesale trade	12,495	12,517	12,571	2.4	.2	.4
Retail trade	29,768	29,762	29,739	1.5	.0	-.1
Finance, insurance, and real estate	12,820	12,907	12,844	1.8	.7	-.5
Services	47,125	47,413	47,587	4.9	.6	.4
Government	36,109	36,211	36,314	2.8	.3	.3

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

^p = preliminary.

^r = revised.

NOTE: Data refer to hours of all employees—production workers,

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors. 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										
	1988	1989	1987			1988				1989			
			II	III	IV	I	II	III	IV	I	II	III	IV
Business sector													
Output per hour of all persons	113.0	114.2	110.7	111.7	112.5	113.2	112.6	113.4	113.5	113.8	114.2	114.7	114.7
Output	140.0	144.8	132.2	134.4	136.7	138.2	139.3	140.7	141.9	143.6	144.4	145.6	145.6
Hours	123.9	126.8	119.5	120.3	121.5	122.1	123.8	124.0	125.0	126.2	126.4	127.0	127.0
Compensation per hour	200.2	211.2	189.5	191.8	195.1	196.4	199.1	201.9	204.5	206.9	210.4	212.8	215.7
Real compensation per hour	102.5	103.2	101.4	101.6	102.5	102.3	102.6	102.8	103.0	102.8	103.0	103.5	103.9
Unit labor costs	177.1	184.9	171.3	171.6	173.5	173.5	176.9	178.0	180.2	181.9	184.1	185.6	188.0
Unit nonlabor payments	170.9	175.8	166.5	168.9	167.2	168.9	168.8	171.8	173.7	174.7	176.3	176.5	175.6
Implicit price deflator	174.9	181.7	169.6	170.7	171.3	171.9	174.1	175.8	177.9	179.4	181.4	182.4	183.7
Nonfarm business sector													
Output per hour of all persons	111.1	112.1	108.6	109.5	110.2	111.0	110.5	111.5	112.0	111.6	111.9	112.6	112.7
Output	140.3	145.0	132.0	134.1	136.4	138.0	139.5	141.1	142.8	143.6	144.6	145.9	145.9
Hours	126.3	129.4	121.5	122.4	123.7	124.3	126.2	126.6	127.5	128.6	129.2	129.6	129.5
Compensation per hour	198.7	209.5	188.3	190.5	193.8	195.0	197.5	200.2	203.0	205.5	208.3	211.0	214.1
Real compensation per hour	101.8	102.4	100.8	101.0	101.8	101.5	101.8	101.9	102.3	102.1	102.0	102.6	103.1
Unit labor costs	178.8	186.9	173.4	173.9	175.8	175.7	178.7	179.6	181.3	184.1	186.1	187.4	190.1
Unit nonlabor payments	172.2	176.5	167.6	170.3	168.7	170.3	169.8	172.1	176.3	174.6	176.5	177.6	177.0
Implicit price deflator	176.5	183.3	171.4	172.6	173.4	173.8	175.6	177.0	179.6	180.8	182.8	184.0	185.6
Manufacturing													
Output per hour of all persons	136.5	140.3	133.3	134.3	134.7	135.5	136.3	137.8	138.6	139.4	140.7	141.1	142.1
Output	138.1	143.2	128.7	131.1	133.5	135.0	136.9	139.3	141.1	142.2	143.4	143.9	143.3
Hours	101.2	102.1	96.6	97.7	99.1	99.7	100.5	101.1	101.8	102.0	101.9	102.0	100.8
Compensation per hour	196.0	204.3	189.0	190.4	191.7	194.3	195.3	197.4	200.2	201.9	203.2	206.1	209.6
Real compensation per hour	100.4	99.9	101.1	100.9	100.6	101.2	100.6	100.5	100.8	100.3	99.5	100.3	100.9
Unit labor costs	143.6	145.7	141.8	141.8	142.3	143.4	143.3	143.2	144.4	144.8	144.4	146.1	147.5
Durable goods													
Output per hour of all persons	142.8	146.5	140.3	141.1	141.8	142.5	143.3	144.4	144.9	145.6	147.7	148.3	148.2
Output	145.0	149.6	134.2	136.5	139.9	141.3	144.0	146.4	148.3	149.1	150.3	150.4	148.6
Hours	101.5	102.1	95.7	96.7	98.6	99.2	100.5	101.4	102.3	102.4	101.7	101.4	100.2
Compensation per hour	192.6	200.4	187.8	188.9	189.8	192.6	192.4	193.9	196.9	198.8	199.6	202.7	206.3
Real compensation per hour	98.7	97.9	100.5	100.1	99.7	100.3	99.1	98.7	99.2	98.8	97.8	98.6	99.4
Unit labor costs	134.9	136.8	133.9	133.9	133.8	135.2	134.3	134.3	135.9	136.5	135.1	136.7	139.2
Nondurable goods													
Output per hour of all persons	127.0	131.0	123.1	124.3	124.3	125.1	125.9	128.0	129.0	130.0	130.3	130.5	133.1
Output	127.8	133.6	120.5	123.1	124.0	125.6	126.4	128.8	130.3	131.8	133.1	134.1	135.4
Hours	100.6	102.0	97.9	99.0	99.8	100.4	100.4	100.6	101.0	101.3	102.2	102.8	101.7
Compensation per hour	201.8	211.2	191.5	193.3	195.2	197.5	200.5	203.4	205.7	207.2	209.7	212.4	215.7
Real compensation per hour	103.4	103.2	102.5	102.5	102.5	102.9	103.3	103.5	103.6	103.0	102.7	103.3	103.9
Unit labor costs	158.9	161.2	155.6	155.5	157.0	157.8	159.3	158.9	159.4	159.3	160.9	162.8	162.0
Nonfinancial corporations													
Output per all-employee hour	114.7	114.6	111.6	113.0	113.5	114.6	114.7	115.1	114.9	114.5	114.5	115.3	(¹)
Output	143.5	147.0	133.9	136.9	138.9	141.2	142.8	144.3	145.4	145.8	146.5	148.1	(¹)
Hours	125.1	128.2	120.0	121.1	122.4	123.2	124.5	125.4	126.5	127.4	128.0	128.4	(¹)
Compensation per hour	194.1	204.0	184.8	186.9	189.5	190.9	193.1	195.5	197.8	200.2	202.8	205.5	(¹)
Real compensation per hour	99.4	99.7	98.9	99.1	99.5	99.4	99.5	99.5	99.6	99.5	99.3	99.9	(¹)
Total unit costs	174.6	184.0	170.8	170.8	172.1	171.9	173.6	175.2	177.5	180.4	182.9	184.6	(¹)
Unit labor costs	169.3	178.0	165.5	165.3	167.0	166.6	168.4	169.9	172.1	174.9	177.1	178.1	(¹)
Unit nonlabor costs	190.3	201.9	186.3	186.9	187.2	187.8	188.9	191.0	193.3	196.9	200.1	203.9	(¹)
Unit profits	128.8	112.5	122.5	129.3	122.0	127.0	129.1	127.5	131.6	119.6	116.6	113.5	(¹)
Implicit price deflator	169.1	175.5	165.0	165.8	166.1	166.5	168.2	169.5	172.0	173.1	175.0	176.1	(¹)

¹ Not available.

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

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	III 1988	IV 1988	I 1989	II 1989	III 1989	IV 1989	III 1988	IV 1988	I 1989	II 1989	III 1989	IV 1989
Business sector												
Output per hour of all persons	3.1	0.2	1.1	1.6	1.5	0.2	1.5	0.9	0.5	1.5	1.1	1.1
Output	4.0	3.4	4.8	2.3	3.5	.1	4.7	3.8	3.9	3.6	3.5	2.7
Hours .....	.9	3.2	3.7	.6	1.9	.0	3.1	2.9	3.3	2.1	2.4	1.6
Compensation per hour	5.8	5.2	4.8	6.8	4.7	5.5	5.3	4.8	5.4	5.6	5.4	5.5
Real compensation per hour .....	.7	.8	-.6	.8	1.9	1.5	1.1	.5	.6	.4	.7	.9
Unit labor costs	2.6	5.0	3.7	5.1	3.2	5.4	3.7	3.9	4.8	4.1	4.2	4.3
Unit nonlabor payments	7.1	4.6	2.4	3.5	.4	-1.9	1.7	3.9	3.4	4.4	2.7	1.1
Implicit price deflator	4.1	4.8	3.3	4.6	2.2	2.8	3.0	3.9	4.3	4.2	3.7	3.2
Nonfarm business sector												
Output per hour of all persons	3.3	1.9	-1.3	1.1	2.4	.2	1.7	1.6	.6	1.3	1.0	.6
Output	4.6	4.8	2.4	2.8	3.7	.0	5.2	4.7	4.1	3.7	3.4	2.2
Hours	1.2	2.8	3.7	1.7	1.3	-.2	3.4	3.0	3.5	2.4	2.4	1.6
Compensation per hour	5.4	5.9	4.9	5.6	5.3	6.0	5.1	4.8	5.4	5.5	5.4	5.4
Real compensation per hour .....	.5	1.5	-.5	-.4	2.4	1.9	.9	.5	.6	.3	.7	.8
Unit labor costs	2.0	3.8	6.2	4.5	2.8	5.8	3.3	3.1	4.8	4.1	4.4	4.8
Unit nonlabor payments	5.4	10.1	-3.7	4.2	2.5	-1.2	1.1	4.5	2.6	3.9	3.2	.4
Implicit price deflator	3.2	5.9	2.8	4.4	2.7	3.4	2.5	3.6	4.0	4.1	4.0	3.3
Manufacturing												
Output per hour of all persons	4.7	2.2	2.4	3.7	1.2	2.8	2.7	2.9	2.9	3.2	2.4	2.5
Output	7.1	5.1	3.1	3.5	1.4	-1.6	6.2	5.6	5.3	4.7	3.3	1.6
Hours	2.4	2.9	.7	-.2	.1	-4.3	3.5	2.7	2.3	1.4	.9	-.9
Compensation per hour	4.3	5.7	3.5	2.7	5.9	6.9	3.7	4.4	3.9	4.0	4.4	4.7
Real compensation per hour	-.6	1.4	-1.9	-3.2	3.0	2.8	-.4	.2	-.8	-1.1	-.2	.1
Unit labor costs	-.3	3.5	1.0	-1.0	4.6	4.0	1.0	1.5	1.0	.8	2.0	2.1
Durable goods												
Output per hour of all persons	3.2	1.5	1.9	5.9	1.7	-.4	2.3	2.2	2.2	3.1	2.7	2.2
Output	6.8	5.3	2.2	3.2	.4	-4.9	7.2	6.0	5.5	4.4	2.8	.2
Hours	3.4	3.8	.3	-2.5	-1.3	-4.5	4.8	3.7	3.2	1.2	.0	-2.0
Compensation per hour	3.3	6.3	3.8	1.7	6.4	7.3	2.6	3.8	3.2	3.8	4.5	4.8
Real compensation per hour	-1.6	1.9	-1.5	-4.1	3.4	3.1	-1.4	-.5	-1.5	-1.4	-.1	.2
Unit labor costs .....	.1	4.8	1.8	-4.0	4.6	7.7	.3	1.5	1.0	.6	1.7	2.4
Nondurable goods												
Output per hour of all persons	6.9	3.2	3.3	.7	.8	8.3	2.9	3.8	3.9	3.5	2.0	3.2
Output	7.7	4.8	4.7	4.0	3.1	4.0	4.6	5.0	5.0	5.3	4.1	4.0
Hours .....	.8	1.6	1.4	3.3	2.3	-3.9	1.6	1.2	1.0	1.8	2.1	.7
Compensation per hour	5.8	4.6	2.9	4.9	5.4	6.3	5.2	5.4	4.9	4.6	4.5	4.9
Real compensation per hour .....	.8	.3	-2.4	-1.1	2.5	2.2	1.0	1.0	.1	-.6	-.2	.3
Unit labor costs	-1.0	1.4	-.4	4.2	4.6	-1.8	2.2	1.5	.9	1.0	2.4	1.6
Nonfinancial corporations												
Output per all-employee hour	1.3	-.4	-1.7	.1	3.0	(¹)	1.8	1.3	-.1	-.2	.2	(¹)
Output	4.3	3.2	1.0	2.0	4.3	(¹)	5.4	4.7	3.2	2.6	2.6	(¹)
Hours	2.9	3.6	2.7	1.8	1.2	(¹)	3.5	3.4	3.4	2.8	2.3	(¹)
Compensation per hour	4.9	4.8	4.9	5.4	5.4	(¹)	4.6	4.4	4.9	5.0	5.1	(¹)
Real compensation per hour .....	.0	.5	-.5	-.6	2.5	(¹)	.4	.1	.1	-.2	.4	(¹)
Total unit costs	3.9	5.2	6.9	5.7	3.8	(¹)	2.6	3.1	5.0	5.4	5.4	(¹)
Unit labor costs	3.6	5.3	6.6	5.3	2.3	(¹)	2.8	3.1	5.0	5.2	4.9	(¹)
Unit nonlabor costs	4.6	4.9	7.5	6.7	7.7	(¹)	2.2	3.3	4.9	5.9	6.7	(¹)
Unit profits	-4.7	13.3	-31.7	-9.7	-10.3	(¹)	-1.3	7.9	-5.8	-9.7	-11.0	(¹)
Implicit price deflator	3.1	5.9	2.8	4.3	2.6	(¹)	2.2	3.5	4.0	4.0	3.9	(¹)

¹ Not available.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Alabama	1,884.1	1,875.0	1,870.9	140.2	126.1	132.8	7.4	6.7	7.1
Birmingham	437.7	433.4	432.8	25.5	22.4	23.1	5.8	5.2	5.3
Huntsville	131.1	132.6	131.9	6.8	6.9	6.7	5.2	5.2	5.1
Mobile	210.7	205.9	204.8	20.3	14.8	14.7	9.6	7.2	7.2
Montgomery	138.0	136.8	136.2	8.5	8.4	8.2	6.2	6.1	6.0
Tuscaloosa	71.0	71.0	72.1	3.7	3.2	6.9	5.2	4.6	9.5
Alaska	244.5	250.9	253.4	21.6	21.5	22.3	8.8	8.6	8.8
Arizona	1,691.7	1,682.0	1,693.7	94.8	73.7	78.2	5.6	4.4	4.6
Phoenix	1,050.8	1,046.1	1,050.9	48.2	38.7	39.9	4.6	3.7	3.8
Tucson	316.0	306.2	308.5	15.4	11.3	11.4	4.9	3.7	3.7
Arkansas	1,117.6	1,136.5	1,152.0	96.0	76.0	81.8	8.6	6.7	7.1
Fayetteville-Springdale	61.9	63.5	64.8	2.8	1.9	2.0	4.6	3.0	3.1
Fort Smith	92.6	94.5	95.0	7.9	8.3	7.7	8.5	8.7	8.1
Little Rock-North Little Rock	265.4	274.2	276.8	17.7	14.5	15.5	6.7	5.3	5.6
Pine Bluff	37.4	37.0	37.6	3.4	2.5	2.9	9.0	6.8	7.6
California¹	14,279.9	14,441.6	14,433.3	787.3	794.2	771.8	5.5	5.5	5.3
Anaheim-Santa Ana	1,410.0	1,380.0	1,390.0	42.1	40.1	37.6	3.0	2.9	2.7
Bakersfield	235.4	228.4	228.1	28.8	23.6	25.4	12.2	10.3	11.1
Fresno	302.4	298.8	302.0	38.8	31.9	36.2	12.8	10.7	12.0
Los Angeles-Long Beach ¹	4,171.7	4,373.0	4,371.0	184.5	257.0	241.0	4.4	5.9	5.5
Modesto	158.5	154.4	156.0	22.6	17.8	19.2	14.2	11.6	12.3
Oakland	1,097.5	1,103.6	1,098.8	49.0	43.8	40.9	4.5	4.0	3.7
Oxnard-Ventura	360.8	361.5	359.5	19.2	18.6	15.8	5.3	5.2	4.4
Riverside-San Bernardino	989.3	1,024.8	1,018.6	58.4	55.7	55.6	5.9	5.4	5.5
Sacramento	719.3	726.2	720.9	40.6	35.5	33.6	5.6	4.9	4.7
San Diego	1,148.2	1,167.7	1,166.8	45.8	44.4	43.2	4.0	3.8	3.7
San Francisco	876.6	874.2	866.8	30.1	28.8	25.8	3.4	3.3	3.0
San Jose	846.2	816.8	818.2	33.6	30.1	29.3	4.0	3.7	3.6
Santa Barbara-Santa Maria-Lompoc	180.7	177.6	177.4	8.9	8.1	7.8	4.9	4.5	4.4
Santa Rosa-Petaluma	197.4	205.0	202.9	10.3	9.0	8.4	5.2	4.4	4.1
Stockton	194.9	189.7	190.3	23.0	19.3	19.8	11.8	10.2	10.4
Vallejo-Fairfield-Napa	189.5	192.6	192.6	10.9	10.1	9.5	5.8	5.3	4.9
Colorado	1,677.7	1,706.5	1,713.8	118.0	92.2	106.7	7.0	5.4	6.2
Boulder-Longmont	132.9	135.6	135.3	7.2	5.4	6.1	5.5	4.0	4.5
Denver	862.0	874.1	873.2	55.0	43.4	49.9	6.4	5.0	5.7
Connecticut	1,741.9	1,745.1	1,748.7	62.7	84.6	92.5	3.6	4.8	5.3
Bridgeport-Milford	228.3	226.6	226.9	10.6	13.8	15.2	4.7	6.1	6.7
Hartford	424.7	428.0	428.3	13.8	18.1	19.8	3.2	4.2	4.6
New Britain	74.0	73.0	73.5	3.1	4.4	4.8	4.2	6.0	6.6
New Haven-Meriden	273.5	272.9	274.6	9.2	12.5	13.9	3.4	4.6	5.1
Stamford	113.3	112.5	111.9	2.5	3.4	3.9	2.2	3.1	3.5
Waterbury	101.1	103.5	103.0	4.7	7.3	7.7	4.7	7.1	7.4
Delaware	355.2	364.7	360.9	13.9	17.1	18.7	3.9	4.7	5.2
Wilmington	309.6	319.0	314.5	12.0	17.5	15.6	3.9	5.5	5.0
District of Columbia	317.7	307.0	304.1	16.8	14.9	17.1	5.3	4.9	5.6
Washington	2,178.0	2,204.1	2,206.9	63.0	60.8	60.8	2.9	2.8	2.8
Florida¹	5,976.1	6,183.6	6,270.0	311.1	360.7	365.5	5.2	5.8	5.8
Daytona Beach	152.2	150.9	155.0	8.1	9.0	8.5	5.3	5.9	5.5
Fort Lauderdale-Hollywood-Pompano Beach	632.7	650.8	657.7	30.1	33.9	33.7	4.8	5.2	5.1
Fort Myers-Cape Coral	142.3	150.4	154.6	5.0	6.5	6.9	3.5	4.3	4.5
Jacksonville	432.0	446.6	451.8	23.9	27.3	27.1	5.5	6.1	6.0
Melbourne-Titusville-Palm Bay	179.7	187.9	188.5	9.4	10.0	10.1	5.2	5.3	5.4
Miami-Hialeah	915.6	934.2	946.5	51.0	59.4	58.3	5.6	6.4	6.2
Orlando	576.7	602.0	611.8	27.9	32.8	34.3	4.8	5.4	5.6
Pensacola	142.1	143.8	146.2	9.5	9.0	9.3	6.7	6.3	6.4
Sarasota	118.4	123.1	125.2	4.1	5.0	5.8	3.4	4.1	4.6
Tallahassee	126.1	129.5	132.0	5.1	5.7	5.5	4.0	4.4	4.1
Tampa-St. Petersburg-Clearwater	969.1	990.3	1,004.2	47.6	51.6	51.2	4.9	5.2	5.1
West Palm Beach-Boca Raton-Delray Beach	407.5	428.1	429.2	20.2	26.4	24.3	4.9	6.2	5.7

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a	Feb. 1989	Jan. 1990	Feb. 1990 ^a
Georgia	3,160.1	3,227.8	3,215.3	165.0	178.0	158.8	5.2	5.5	4.9
Athens	75.8	77.9	78.1	2.9	3.5	3.2	3.8	4.5	4.1
Atlanta	1,499.7	1,530.4	1,530.2	69.6	76.3	70.5	4.6	5.0	4.6
Augusta	184.6	187.6	186.3	10.2	8.4	8.0	5.5	4.5	4.3
Columbus	98.1	97.5	97.0	5.6	5.7	5.3	5.7	5.9	5.5
Macon-Warner Robins	131.3	132.6	132.5	6.1	6.7	6.1	4.6	5.1	4.6
Savannah	112.7	115.4	114.5	5.9	6.5	5.1	5.2	5.6	4.4
Hawaii	518.7	524.3	529.3	14.2	15.1	16.7	2.7	2.9	3.1
Honolulu	380.9	385.8	389.4	9.2	10.4	11.2	2.4	2.7	2.9
Idaho	488.0	496.0	497.4	33.2	28.5	33.4	6.8	5.7	6.7
Boise City	115.6	119.0	118.1	4.8	4.5	5.1	4.2	3.7	4.4
Illinois ¹	5,976.0	6,006.3	5,978.6	369.3	411.6	391.9	6.2	6.9	6.6
Aurora-Elgin	181.4	182.6	180.8	10.2	12.1	11.8	5.6	6.6	6.5
Bloomington-Normal	73.1	74.3	74.0	3.3	3.5	3.3	4.5	4.6	4.5
Champaign-Urbana-Rantoul	93.4	89.3	91.0	4.1	4.4	3.8	4.4	4.9	4.2
Chicago	3,277.5	3,305.5	3,282.0	177.0	203.2	195.8	5.4	6.1	6.0
Davenport-Rock Island-Moline	183.2	182.4	180.7	12.1	12.5	12.1	6.6	6.8	6.7
Decatur	61.3	60.1	60.1	4.8	4.9	4.6	7.8	8.2	7.7
Joliet	203.9	207.8	206.5	14.3	16.2	15.3	7.0	7.8	7.4
Kankakee	45.1	46.9	46.3	4.1	4.0	3.9	9.1	8.6	8.5
Lake County	289.8	296.5	295.5	11.7	13.3	12.6	4.0	4.5	4.3
Peoria	163.1	163.7	163.3	10.4	11.3	11.5	6.4	6.9	7.1
Rockford	155.8	155.3	154.3	9.6	14.0	10.3	6.2	9.0	6.6
Springfield	114.2	113.8	112.8	6.1	6.2	5.8	5.3	5.5	5.1
Indiana	2,817.7	2,838.7	2,844.3	158.3	163.9	160.2	5.6	5.8	5.6
Anderson	59.8	58.6	58.7	3.7	4.2	3.6	6.2	7.1	6.1
Bloomington	61.1	61.1	61.9	2.6	2.0	2.1	4.2	3.3	3.4
Elkhart-Goshen	97.7	97.6	97.8	4.2	5.6	5.3	4.3	5.7	5.5
Evansville	143.1	144.9	145.4	9.4	8.5	9.5	6.6	5.8	6.5
Fort Wayne	200.5	206.5	204.0	9.6	13.3	10.2	4.8	6.4	5.0
Gary-Hammond	255.8	259.4	260.0	16.4	15.4	15.6	6.4	5.9	6.0
Indianapolis	674.3	682.4	688.2	30.3	29.4	29.9	4.5	4.3	4.3
Lafayette-West Lafayette	69.3	71.1	71.5	2.4	2.3	2.5	3.4	3.3	3.5
Muncie	60.8	60.4	60.6	3.4	3.6	3.6	5.7	6.0	5.9
South Bend-Mishawaka	129.5	134.7	135.0	6.5	7.3	7.8	5.0	5.5	5.8
Terre Haute	60.1	60.2	59.9	3.8	3.4	3.0	6.2	5.7	5.0
Iowa	1,499.8	1,492.2	1,490.3	70.3	74.2	74.5	4.7	5.0	5.0
Cedar Rapids	98.4	98.6	98.2	3.7	4.0	4.5	3.8	4.1	4.6
Des Moines	236.5	237.5	235.1	9.2	9.1	9.0	3.9	3.8	3.8
Dubuque	45.2	45.0	44.8	3.1	2.9	3.0	6.8	6.5	6.7
Sioux City	60.4	60.8	60.2	2.7	2.4	2.4	4.4	4.0	4.0
Waterloo-Cedar Falls	73.1	71.9	72.3	3.8	3.8	4.2	5.2	5.3	5.8
Kansas	1,263.3	1,277.0	1,285.1	58.6	56.3	52.8	4.6	4.4	4.1
Topeka	91.4	93.0	92.6	4.2	4.2	3.9	4.6	4.5	4.2
Wichita	251.5	253.3	254.2	11.0	10.8	10.3	4.4	4.3	4.1
Kentucky	1,707.8	1,752.7	1,753.8	130.1	117.7	130.7	7.6	6.7	7.5
Lexington-Fayette	193.8	196.7	199.3	8.7	7.1	8.7	4.5	3.6	4.3
Louisville	506.4	523.0	518.0	30.2	34.4	29.7	6.0	6.6	5.7
Owensboro	44.5	45.0	45.2	3.2	2.5	3.4	7.3	5.6	7.6
Louisiana	1,858.2	1,836.6	1,839.3	179.2	133.7	132.9	9.6	7.3	7.2
Alexandria	58.6	56.4	56.4	5.4	4.0	4.2	9.2	7.2	7.4
Baton Rouge	264.0	263.0	266.7	20.4	14.9	15.8	7.7	5.7	5.9
Houma-Thibodaux	67.6	65.8	66.8	6.5	4.5	4.8	3.6	6.9	7.2
Lafayette	97.0	96.0	96.1	8.2	5.7	6.0	3.5	5.9	6.2
Monroe	66.8	65.0	66.5	6.2	4.3	4.3	3.2	6.6	6.5
New Orleans	581.0	574.8	574.5	46.3	35.3	36.2	8.0	6.1	6.3
Shreveport	155.6	155.7	153.3	15.0	15.2	11.2	9.6	9.8	7.3
Maine	595.9	615.0	615.5	27.4	31.5	32.7	4.6	5.1	5.3
Lewiston-Auburn	42.0	42.8	43.4	2.2	2.5	3.0	5.2	5.9	7.0
Portland	124.2	132.2	131.3	3.2	4.1	4.3	2.6	3.1	3.3

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Maryland	2,473.0	2,508.6	2,539.8	104.2	103.3	99.2	4.2	4.1	3.9
Baltimore	1,186.4	1,196.1	1,214.2	53.8	54.0	51.8	4.5	4.5	4.3
Massachusetts ¹	3,179.8	3,121.9	3,174.2	125.2	154.7	182.9	3.9	5.0	5.8
Boston	1,574.2	1,538.8	1,568.7	50.4	62.7	73.4	3.2	4.1	4.7
Brockton	100.7	99.7	101.2	4.5	5.8	6.9	4.5	5.8	6.8
Fall River	78.2	78.8	79.9	5.3	7.1	8.1	6.8	9.1	10.2
Fitchburg-Leominster	48.7	47.3	48.2	2.4	3.0	3.6	5.0	6.4	7.5
Lawrence-Haverhill	188.2	189.5	191.1	8.8	11.3	13.2	4.7	5.9	6.9
Lowell	156.4	148.0	150.3	6.3	8.0	9.9	4.0	5.4	6.6
New Bedford	87.9	86.4	87.8	5.8	7.2	8.6	6.6	8.4	9.7
Pittsfield	40.2	40.2	40.6	2.3	2.1	2.6	5.7	5.3	6.4
Springfield	258.1	252.9	255.4	10.2	12.0	14.4	3.9	4.7	5.6
Worcester	223.1	218.7	223.4	8.2	11.1	13.2	3.7	5.1	5.9
Michigan ¹	4,552.8	4,590.8	4,555.3	308.7	432.7	369.7	6.8	9.4	8.1
Ann Arbor	164.4	161.9	161.9	5.6	10.1	6.9	3.4	6.2	4.3
Battle Creek	64.5	66.4	65.6	4.0	6.0	5.8	6.2	9.1	8.8
Benton Harbor	78.5	79.0	77.9	5.4	7.3	6.4	6.9	9.2	8.1
Detroit	2,173.4	2,172.6	2,164.2	140.4	189.2	167.7	6.5	8.7	7.8
Flint	183.7	188.1	181.4	18.3	33.6	17.3	9.9	17.9	9.5
Grand Rapids	366.0	373.8	371.9	17.3	25.2	23.1	4.7	6.7	6.2
Jackson	65.2	65.6	64.9	4.2	5.5	5.5	6.5	8.5	8.5
Kalamazoo	119.7	118.3	118.8	5.4	6.2	6.4	4.5	5.3	5.4
Lansing-East Lansing	242.3	244.1	239.2	13.3	24.2	18.4	5.5	9.9	7.7
Muskegon	67.1	68.0	67.4	5.6	6.1	6.6	8.3	9.0	9.8
Saginaw-Bay City-Midland	183.3	188.1	184.1	12.9	25.0	14.8	7.0	13.3	8.1
Minnesota	2,305.6	2,355.9	2,352.0	112.5	102.3	109.7	4.9	4.3	4.7
Duluth	103.3	111.3	111.3	7.3	6.3	6.8	7.1	5.7	6.1
Minneapolis-St. Paul	1,375.7	1,400.8	1,401.1	53.1	48.8	51.8	3.9	3.5	3.7
Rochester	61.2	63.6	63.3	1.9	1.7	1.9	3.2	2.7	2.9
St. Cloud	99.0	104.1	104.8	5.9	5.6	6.0	6.0	5.4	5.7
Mississippi	1,147.8	1,174.5	1,171.3	96.8	92.5	90.2	8.4	7.9	7.7
Jackson	196.6	203.5	204.2	10.7	10.7	10.3	5.4	5.3	5.0
Missouri	2,578.8	2,565.4	2,612.8	163.5	178.4	166.4	6.3	7.0	6.4
Kansas City	840.1	847.8	855.4	48.6	50.4	42.7	5.8	5.9	5.0
St. Louis LMA	1,263.6	1,250.6	1,267.3	75.6	83.4	77.1	6.0	6.7	6.1
Springfield	125.6	125.0	127.0	6.1	6.4	6.0	4.9	5.2	4.7
Montana	399.0	403.4	407.0	30.1	24.8	24.1	7.6	6.1	5.9
Nebraska	796.9	823.7	826.6	27.3	25.4	23.5	3.4	3.1	2.8
Lincoln	123.4	128.3	129.0	3.3	2.7	2.6	2.7	2.1	2.0
Omaha	328.7	339.5	334.3	11.5	11.1	10.0	3.5	3.3	3.0
Nevada	594.0	608.4	614.4	34.6	30.7	30.2	5.8	5.1	4.9
Las Vegas	352.7	368.0	370.9	19.1	16.7	16.0	5.4	4.5	4.3
Reno	137.5	135.0	136.6	8.3	7.6	7.7	6.0	5.6	5.6
New Hampshire	591.8	620.8	616.2	16.6	27.8	30.3	2.8	4.5	4.9
Manchester	84.9	89.7	87.8	2.3	3.8	4.5	2.7	4.2	5.2
Nashua	97.5	101.0	99.7	2.8	4.2	5.0	2.8	4.2	5.0
Portsmouth-Dover-Rochester	129.3	130.4	130.2	3.0	5.0	5.0	2.3	3.8	3.8
New Jersey ¹	4,021.2	3,980.1	4,038.2	180.4	207.3	200.4	4.5	5.2	5.0
Atlantic City	171.7	170.3	174.2	11.9	13.5	12.7	6.9	7.9	7.3
Bergen-Passaic	723.6	710.4	720.2	29.1	33.8	33.0	4.0	4.8	4.6
Jersey City	274.5	271.9	275.6	19.2	21.5	20.8	7.0	7.9	7.6
Middlesex-Somerset-Hunterdon	574.5	568.9	574.7	17.6	21.2	20.6	3.1	3.7	3.6
Monmouth-Ocean	477.7	478.0	484.1	20.5	24.5	23.6	4.3	5.1	4.9
Newark	969.9	964.9	983.0	43.6	50.0	49.7	4.5	5.2	5.1
Trenton	174.1	171.4	174.4	6.0	7.2	6.8	3.5	4.2	3.9
Vineland-Millville-Bridgeton	58.7	60.1	60.3	5.3	5.8	5.5	9.1	9.6	9.2
New Mexico	682.5	689.2	694.1	48.3	40.5	42.5	7.1	5.9	6.1
Albuquerque	261.9	259.9	263.8	13.7	11.1	12.3	5.2	4.3	4.7
Las Cruces	55.1	57.7	58.5	3.8	3.5	3.9	6.8	6.1	6.7
Santa Fe	64.6	68.3	68.3	3.0	3.0	2.3	4.6	4.3	3.4

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
New York¹	8,617.7	8,741.1	8,679.7	477.2	478.2	474.1	5.5	5.5	5.5
Albany-Schenectady-Troy	435.7	436.9	434.7	21.8	18.0	19.2	5.0	4.1	4.4
Binghamton	127.6	124.7	123.7	6.9	5.6	6.6	5.4	4.5	5.3
Buffalo	463.7	458.7	459.0	31.9	24.7	25.8	6.9	5.4	5.6
Elmira	43.5	44.6	44.0	2.3	2.1	2.5	5.3	4.8	5.6
Nassau-Suffolk	1,428.1	1,417.8	1,405.7	59.0	49.6	53.4	4.1	3.5	3.8
New York	3,930.4	4,092.5	4,046.9	208.9	261.3	241.7	5.3	6.4	6.0
New York City ¹	3,251.9	3,414.0	3,376.0	181.6	240.0	219.0	5.6	7.0	6.5
Orange County	137.6	136.7	135.5	7.8	6.6	6.9	5.7	4.8	5.1
Poughkeepsie	130.3	128.2	127.6	5.7	3.8	4.0	4.4	3.0	3.2
Rochester	513.8	507.3	503.5	25.4	21.2	21.9	4.9	4.2	4.4
Syracuse	322.8	321.8	321.1	19.1	14.7	16.1	5.9	4.6	5.0
Utica-Rome	138.6	137.0	136.7	9.9	7.3	8.0	7.1	5.4	5.8
North Carolina¹	3,340.1	3,331.8	3,371.4	125.7	152.5	132.2	3.8	4.6	3.9
Asheville	88.0	91.3	92.1	3.0	3.7	3.1	3.4	4.0	3.4
Charlotte-Gastonia-Rock Hill	636.5	639.5	647.0	20.8	23.8	20.0	3.3	3.7	3.1
Greensboro-Winston-Salem-High Point	520.9	510.1	517.6	16.5	20.7	18.6	3.2	4.1	3.6
Raleigh-Durham	411.9	411.3	416.0	9.6	10.9	9.3	2.3	2.7	2.2
North Dakota	322.7	318.1	318.6	16.3	15.7	15.5	5.1	4.9	4.9
Bismarck	46.6	46.1	46.2	2.4	2.3	2.3	5.1	5.0	5.0
Fargo-Moorhead	87.1	87.0	87.0	3.0	2.8	2.9	3.5	3.2	3.3
Grand Forks	36.1	35.8	35.9	1.2	1.5	1.3	3.4	4.1	3.6
Ohio¹	5,355.1	5,391.3	5,343.6	311.8	411.9	345.9	5.8	7.6	6.5
Akron	326.2	330.0	328.4	19.6	23.6	20.1	6.0	7.2	6.1
Canton	192.3	193.6	191.5	12.2	15.1	14.0	6.3	7.8	7.3
Cincinnati	766.4	779.7	776.2	34.6	39.4	36.1	4.5	5.1	4.7
Cleveland	939.5	945.1	935.6	46.7	57.1	49.8	5.0	6.0	5.3
Columbus	722.9	727.2	721.3	34.3	42.9	37.2	4.7	5.9	5.2
Dayton-Springfield	476.0	478.5	474.5	23.1	32.3	28.5	4.8	6.7	6.0
Toledo	315.1	315.8	312.7	19.1	32.8	23.0	6.1	10.4	7.4
Youngstown-Warren	222.6	222.3	221.4	16.1	25.3	17.4	7.2	11.4	7.8
Oklahoma	1,501.5	1,497.7	1,509.8	101.9	101.0	100.0	6.8	6.7	6.6
Enid	27.7	26.6	27.3	1.6	1.3	1.6	6.0	4.7	5.7
Lawton	47.0	46.9	47.5	2.5	2.3	3.0	5.4	5.0	6.3
Oklahoma City	493.9	496.1	496.8	26.2	35.7	26.3	5.3	7.2	5.3
Tulsa	335.6	334.5	338.0	24.9	19.8	22.8	7.4	5.9	6.8
Oregon	1,468.5	1,460.8	1,446.2	98.2	85.2	87.3	6.7	5.8	6.0
Eugene-Springfield	148.2	147.6	147.7	10.1	8.5	9.6	6.8	5.7	6.5
Portland	679.6	671.0	666.7	33.6	27.2	28.5	4.9	4.1	4.3
Salem	135.6	132.1	131.8	9.5	8.8	8.7	7.0	6.7	6.6
Pennsylvania¹	5,788.2	5,860.3	5,883.4	282.5	347.6	373.2	4.9	5.9	6.3
Allentown-Bethlehem	327.0	329.3	331.4	14.5	19.0	21.6	4.4	5.8	6.5
Altoona	59.0	60.7	60.4	4.4	5.3	4.8	7.4	8.8	8.0
Beaver County	59.0	59.5	59.7	5.0	5.5	5.9	8.5	9.2	9.9
Erie	130.9	133.3	133.8	7.3	9.0	9.5	5.5	6.8	7.1
Harrisburg-Lebanon-Carlisle	325.8	332.3	332.2	12.5	15.5	16.9	3.8	4.7	5.1
Johnstown	95.1	96.8	97.0	7.3	8.8	9.2	7.7	9.1	9.5
Lancaster	218.6	220.0	222.6	7.1	9.5	10.6	3.3	4.3	4.8
Philadelphia	2,424.5	2,409.0	2,424.6	95.3	114.1	119.9	3.9	4.7	4.9
Pittsburgh	969.0	984.4	985.3	51.8	57.2	60.3	5.3	5.8	6.1
Reading	174.5	177.8	179.0	7.4	9.3	10.7	4.2	5.2	6.0
Scranton-Wilkes-Barre	358.3	367.0	369.4	21.2	28.4	30.6	5.9	7.7	8.3
Williamsport	59.6	61.1	61.8	4.1	4.9	5.3	6.8	8.1	8.6
York	220.6	224.1	223.6	8.7	11.4	11.6	3.9	5.1	5.2
Rhode Island	513.5	526.4	521.9	18.3	33.7	37.7	3.6	6.4	7.2
Pawtucket-Woonsocket-Attleboro	163.6	167.9	168.2	7.1	11.6	13.2	4.3	6.9	7.9
Providence	338.7	346.2	342.8	11.6	21.0	23.4	3.4	6.1	6.8
South Carolina	1,653.0	1,685.9	1,678.7	79.5	80.5	84.3	4.9	4.8	5.0
Charleston	222.8	226.6	225.8	9.0	8.0	7.9	4.0	3.5	3.5
Columbia	232.5	233.8	232.2	7.5	8.2	7.8	3.2	3.5	3.4
Greenville-Spartanburg	331.6	336.7	336.5	11.4	12.4	14.1	3.4	3.7	4.2
South Dakota	353.4	349.5	353.6	16.7	15.1	14.1	4.7	4.3	4.0
Rapid City	38.6	39.4	39.6	2.0	1.8	1.7	5.2	4.6	4.3
Sioux Falls	75.6	73.5	74.5	3.5	2.5	2.4	4.7	3.4	3.2

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		
	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P	Feb. 1989	Jan. 1990	Feb. 1990 ^P
Tennessee	2,321.5	2,368.3	2,384.0	123.5	127.2	126.6	5.3	5.4	5.3
Chattanooga	208.0	208.3	208.5	10.6	10.0	10.0	5.1	4.8	4.8
Johnson City-Kingsport-Bristol	214.0	217.7	220.7	10.8	10.3	10.6	5.0	4.7	4.8
Knoxville	280.4	285.7	284.9	17.2	16.2	16.6	6.1	5.7	5.8
Memphis	454.1	460.5	464.4	21.8	20.5	20.6	4.8	4.4	4.4
Nashville	524.2	524.9	529.3	20.2	20.1	20.1	3.8	3.8	3.8
Texas¹	8,272.7	8,320.6	8,375.4	611.1	480.6	587.5	7.4	5.8	7.0
Abilene	52.5	51.8	52.0	3.7	2.8	3.4	7.0	5.4	6.6
Amarillo	96.2	94.3	94.4	6.1	4.3	5.8	6.4	4.5	6.2
Austin	426.2	428.4	429.5	24.0	18.1	21.4	5.6	4.2	5.0
Beaumont-Port Arthur	161.9	160.9	161.3	16.3	11.2	13.8	10.1	7.0	8.5
Brazoria	83.1	84.7	85.0	6.1	4.8	5.6	7.3	5.7	6.6
Brownsville-Harlingen	101.3	104.2	105.7	12.8	11.0	13.3	12.7	10.5	12.6
Bryan-College Station	60.7	58.5	61.2	2.9	2.0	2.6	4.9	3.4	4.3
Corpus Christi	156.4	156.4	157.7	14.0	10.0	12.2	8.9	6.4	7.8
Dallas	1,421.5	1,431.4	1,436.4	81.1	64.6	79.6	5.7	4.5	5.5
El Paso	243.6	249.7	256.3	26.4	24.1	31.2	10.9	9.7	12.2
Fort Worth-Arlington	706.0	716.1	725.8	41.8	33.4	44.9	5.9	4.7	6.2
Galveston-Texas City	106.8	106.6	107.7	8.4	6.7	8.6	7.8	6.3	8.0
Houston	1,631.9	1,666.9	1,671.9	102.2	79.0	95.7	6.3	4.7	5.7
Killeen-Temple	94.7	97.0	98.0	8.0	6.1	7.6	8.4	6.3	7.7
Laredo	52.0	53.6	53.2	7.8	6.3	6.4	15.0	11.7	12.1
Longview-Marshall	79.0	79.0	79.5	7.5	5.2	6.1	9.5	6.6	7.6
Lubbock	112.3	113.1	113.1	6.2	4.9	5.6	5.5	4.3	4.9
McAllen-Edinburg-Mission	163.2	165.7	171.9	32.0	33.6	40.7	19.6	20.3	23.7
Midland	49.3	48.5	48.8	3.2	2.6	3.2	6.4	5.4	6.6
Odessa	52.1	50.9	51.2	4.6	3.2	3.9	8.9	6.3	7.6
San Angelo	45.2	43.7	44.2	2.7	2.3	2.7	5.9	5.3	6.2
San Antonio	607.0	602.3	607.3	46.9	36.3	45.5	7.7	6.0	7.5
Sherman-Denison	46.7	46.8	47.0	3.2	2.3	2.9	6.8	5.0	6.1
Texarkana	57.5	58.2	58.3	4.8	3.3	3.8	8.4	5.7	6.6
Tyler	75.0	74.0	74.8	5.6	4.0	5.1	7.5	5.4	6.8
Victoria	35.3	35.8	35.8	2.3	2.0	2.2	6.4	5.6	6.1
Waco	91.4	92.3	93.3	5.5	4.7	5.6	6.1	5.1	6.0
Wichita Falls	55.8	56.3	56.3	3.8	2.9	3.5	6.8	5.2	6.3
Utah	759.7	792.5	787.4	38.9	34.5	36.0	5.1	4.4	4.6
Provo-Orem	105.8	114.2	113.4	4.8	4.1	4.7	4.5	3.6	4.2
Salt Lake City-Ogden	498.5	514.0	509.7	24.1	20.9	21.2	4.8	4.1	4.2
Vermont	303.6	307.5	310.3	11.0	13.6	13.6	3.6	4.4	4.4
Burlington	76.7	76.6	79.3	1.8	2.3	2.3	2.3	3.0	2.9
Virginia	3,086.8	3,130.6	3,130.9	140.2	144.2	136.5	4.5	4.6	4.4
Charlottesville	68.5	72.9	75.0	2.3	2.1	2.5	3.3	2.9	3.3
Danville	51.9	53.5	53.3	3.6	4.5	4.3	6.9	8.4	8.1
Lynchburg	73.0	73.6	74.5	4.1	3.8	4.2	5.6	5.2	5.6
Norfolk-Virginia Beach-Newport News	604.9	612.5	607.3	31.8	34.8	27.0	5.3	5.7	4.4
Richmond-Petersburg	446.7	447.8	451.3	17.4	16.1	17.8	3.9	3.6	3.9
Roanoke	121.2	119.9	120.9	5.3	4.3	5.0	4.4	3.5	4.2
Washington	2,366.5	2,492.7	2,533.6	166.0	162.3	161.6	7.0	6.5	6.4
Seattle	1,067.7	1,133.0	1,153.6	52.9	47.8	47.8	5.0	4.2	4.1
West Virginia	753.3	757.9	755.5	74.4	68.7	63.4	9.9	9.1	8.4
Charleston	117.3	117.1	116.8	10.2	8.1	7.6	8.7	6.9	6.5
Huntington-Ashland	130.3	131.9	132.8	10.7	10.8	11.4	8.2	8.2	8.6
Parkersburg-Marietta	71.7	72.8	72.9	5.8	5.3	5.2	8.1	7.3	7.2
Wheeling	71.6	72.4	72.2	5.8	5.6	5.1	8.1	7.8	7.1
Wisconsin	2,584.3	2,556.8	2,540.4	132.9	148.0	128.9	5.1	5.8	5.1
Appleton-Oshkosh-Neenah	171.9	170.2	169.1	8.3	9.1	8.2	4.8	5.3	4.8
Eau Claire	74.9	73.1	73.7	3.9	4.4	3.9	5.2	6.0	5.3
Green Bay	108.4	108.7	108.2	5.3	5.4	4.8	4.9	5.0	4.5
Janesville-Beloit	74.0	73.9	72.2	3.4	9.0	3.7	4.6	12.2	5.2
Kenosha	55.0	53.2	51.7	4.2	5.2	4.1	7.6	9.8	7.9
La Crosse	55.6	52.8	53.5	2.5	2.7	2.5	4.5	5.1	4.7
Madison	223.1	217.5	218.5	6.8	7.1	6.4	3.0	3.3	2.9
Milwaukee	768.3	764.4	762.4	30.1	33.5	29.1	3.9	4.4	3.8
Racine	91.6	92.0	91.3	4.7	5.5	5.0	5.1	5.9	5.5
Wausau	64.4	65.6	65.0	3.7	3.7	3.5	5.8	5.7	5.4
Wyoming	235.4	238.8	239.8	18.0	16.0	15.7	7.7	6.7	6.5

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

² Not available.

^P = preliminary.

NOTE: Data refer to place of residence. Estimates for 1989 have been

benchmarked to 1989 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1990 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 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 over 300,000 establishments employing over 38 million nonagricultural wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which

have a differential effect on the levels and trends of the two series are as follows.

Employment

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

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

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

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article, "Comparing Employment Estimates From Household and Payroll Surveys," *Monthly Labor Review*, December 1969.

Hours of work

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

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

unemployed in the household survey.

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Economics and Statistics Service series and the treatment of dual jobholders, who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of their impact on differences in the levels and trends of the two series.

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics.

Household Data

(A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey*, BLS Bulletin 2307.

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 16 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 60,000 occupied units are eligible for interview. About 2,600 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 60,000 occupied units, there are 11,500 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 some time 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 origin

may be of any race; thus they are included in both the white and black population groups.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian non-institutional 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. 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.) A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

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	1,330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	2,333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to Mar. 1988	729	57,000	2,500	11,000
Apr. 1988 to Mar. 1989	729	53,200	2,600	11,500
Nov. 1989 to present ³	729	57,400	2,600	11,800

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

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

³ The sample was increased incrementally during the 8-month period, April-November 1989.

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 using the two most recent July 1 estimates, 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 957 of that series. A description of the age estimates methodology is available in Report 1010 of that series.

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

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 2.9 percent of a total of 112,440,000 employed persons are employed in agriculture. The standard error on an estimate of 2.9 percent with a base of 112,440,000 is obtained from table H (0.08 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 2.9 percent is then approximately $0.08 \times 1.26 = 0.10$ 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 6.2 percent, based on a total of 119,865,000 in the civilian labor force, and that

Table D. Standard errors for estimates of monthly level

(in thousands)

Estimated monthly level	Characteristic ¹								
	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	15	11	12	12	12	12	12	11	10
100	21	16	17	17	17	17	16	15	14
500	47	36	38	37	37	36	32	34	31
1,000	66	51	53	52	51	50	35	49	43
2,000	93	72	73	74	70	68	-	68	58
4,000	131	101	97	104	92	86	-	95	73
6,000	159	123	110	126	104	92	-	115	76
8,000	182	141	116	145	109	88	-	132	69
10,000	202	156	-	161	108	72	-	145	47
15,000	-	188	-	193	74	-	-	172	-
20,000	-	213	-	219	-	-	-	191	-
30,000	-	-	-	259	-	-	-	215	-
40,000	-	-	-	286	-	-	-	225	-
50,000	-	-	-	306	-	-	-	222	-
60,000	-	-	-	319	-	-	-	206	-
70,000	-	-	-	326	-	-	-	172	-
80,000	-	-	-	327	-	-	-	107	-
100,000	-	-	-	314	-	-	-	-	-
120,000	-	-	-	274	-	-	-	-	-
140,000	-	-	-	195	-	-	-	-	-

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

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 ¹							
	Unemployment				Labor force data other than unemployment and agricultural employment			
	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years
50	13	14	13	14	9	9	14	14
100	18	20	19	20	12	12	20	19
500	40	45	41	38	27	27	43	37
1,000	56	63	57	41	39	38	59	39
2,000	78	89	76	-	55	52	80	-
4,000	108	124	95	-	77	68	100	-
6,000	129	150	99	-	93	78	104	-
8,000	144	-	89	-	107	82	94	-
10,000	157	-	58	-	119	81	65	-
15,000	177	-	-	-	143	59	-	-
20,000	184	-	-	-	163	-	-	-
30,000	-	-	-	-	192	-	-	-
40,000	-	-	-	-	213	-	-	-
50,000	-	-	-	-	228	-	-	-
60,000	-	-	-	-	238	-	-	-
70,000	-	-	-	-	244	-	-	-
80,000	-	-	-	-	245	-	-	-
100,000	-	-	-	-	237	-	-	-
120,000	-	-	-	-	212	-	-	-
140,000	-	-	-	-	160	-	-	-

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons reentering

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

a year prior to this the unemployment rate was 7.0 percent, based on a total of 117,834,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.6 percent with a base of 118,850,000, is obtained from table F (0.11 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 0.11 x 1.40 = 0.15 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:

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:

$$(216,000)^2 + (221,000)^2 - 2(.30) (216,000) (221,000),$$

or about 259,000.

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.28	3.20	4.98	6.85	8.13	9.09	9.82	10.36	10.75	11.12
100	1.61	2.26	3.52	4.84	5.75	6.43	6.94	7.33	7.60	7.87
500	.72	1.01	1.58	2.16	2.57	2.88	3.11	3.28	3.40	3.52
1,000	.51	.72	1.11	1.53	1.82	2.03	2.20	2.32	2.40	2.49
2,000	.36	.51	.79	1.08	1.29	1.44	1.55	1.64	1.70	1.76
4,000	.25	.36	.56	.77	.91	1.02	1.10	1.16	1.20	1.24
6,000	.21	.29	.45	.62	.74	.83	.90	.95	.98	1.02
10,000	.16	.23	.35	.48	.58	.64	.69	.73	.76	.79
20,000	.11	.16	.25	.34	.41	.45	.49	.52	.54	.56
60,000	.07	.09	.14	.20	.24	.26	.28	.30	.31	.32
100,000	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
120,000	.05	.07	.10	.14	.17	.19	.20	.21	.22	.23
140,000	.04	.06	.09	.13	.15	.17	.19	.20	.21	.21

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.53	3.57	5.60	7.83	9.47	10.79	11.91	12.87	13.71	15.67
100	1.79	2.52	3.96	5.53	6.69	7.63	8.42	9.10	9.69	11.08
500	.80	1.13	1.77	2.47	2.99	3.41	3.76	4.06	4.33	4.94
1,000	.57	.80	1.25	1.75	2.11	2.41	2.65	2.87	3.05	3.48
2,000	.40	.56	.88	1.23	1.49	1.70	1.87	2.02	2.15	2.44
4,000	.28	.40	.63	.87	1.05	1.20	1.32	1.42	1.51	1.70
6,000	.23	.33	.51	.71	.86	.97	1.07	1.15	1.22	1.37
10,000	.18	.25	.39	.55	.66	.75	.82	.88	.93	1.03
20,000	.13	.18	.28	.38	.46	.51	.56	.60	.62	-
60,000	.07	.10	.16	.21	.24	.27	.28	-	-	-
100,000	.06	.08	.12	.15	.17	.18	-	-	-	-
120,000	.05	.07	.11	.14	.15	-	-	-	-	-
140,000	.05	.07	.10	-	-	-	-	-	-	-

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	2.34	3.29	5.12	7.05	8.39	9.40	10.18	10.77	11.21	11.75
100	1.65	2.33	3.62	4.99	5.94	6.65	7.20	7.62	7.93	8.31
500	.74	1.04	1.62	2.23	2.65	2.97	3.22	3.41	3.55	3.72
1,000	.52	.74	1.15	1.58	1.88	2.10	2.28	2.41	2.51	2.63
2,000	.37	.52	.81	1.12	1.33	1.49	1.61	1.70	1.77	1.86
4,000	.26	.37	.57	.79	.94	1.05	1.14	1.20	1.25	1.31
6,000	.21	.30	.47	.64	.77	.86	.93	.98	1.02	1.07
10,000	.17	.23	.36	.50	.59	.66	.72	.76	.79	.83
20,000	.12	.16	.26	.35	.42	.47	.51	.54	.56	.59
40,000	.08	.12	.18	.25	.30	.33	.36	.38	.40	.42
60,000	.07	.10	.15	.20	.24	.27	.29	.31	.32	.34
80,000	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
100,000	.05	.07	.11	.16	.19	.21	.23	.24	.25	.26
120,000	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
140,000	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22
160,000	.04	.06	.09	.12	.15	.17	.18	.19	.20	.21

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 or teenagers (16 to 19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

Table K. Standard errors for estimates of quarterly 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 employment change (table B-7). These indexes measure the dispersion among industries of the change in employment over the specified time span. The overall indexes are calculated from 349 seasonally adjusted employment series (three-digit industries) covering all nonagricultural payroll employment in the private sector. The manufacturing diffusion indexes are based on 141 three-digit industries.

To derive the indexes, each component industry is assigned a value of 0, 50, or 100 percent, depending on whether its employment showed a decrease, no change, or an increase, respectively, over the time span. The average value (mean) is then calculated, and this percent is the diffusion index number.

The reference point for diffusion analysis is 50 percent, the value which indicates that the same number of component industries had increased as had decreased. Index numbers above 50 show that more industries had increasing employment, and

values below 50 indicate that more had decreasing employment. The margin between the percent that increased and the percent that decreased is equal to the difference between the index and its complement, i.e., 100 minus the index. For example, an index of 65 percent means that 30 percent more industries had increasing employment than had decreasing employment ($65 - (100 - 65) = 30$). However, for dispersion analysis, the distance of the index number from the 50-percent reference point is the most significant observation.

Although diffusion indexes are commonly interpreted as showing the percent of components that increased over the time span, it should be remembered that the index reflects half of the unchanged components as well. (This is the effect of assigning a value of 50 percent to the unchanged components when computing the index.)

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

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

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

Since overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as 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. These series are compiled only for aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing. The same concepts and estimation methods apply to these series as apply to the average hourly earnings series described above; the one difference between the 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 and SIC 3761 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 172

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 establish-

ment 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 1988 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 from the records of the Social Security Administration, the

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

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

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

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

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

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 1988 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 in small establishments, the sample design calls for inclu-

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1988

(In thousands)

Industry	Benchmark	Estimate	Percent difference
Total	103,835	104,161	-0.3
Mining	711	723	-1.7
Construction	4,686	4,787	-2.2
Manufacturing	19,171	19,302	-.7
Transportation and public utilities	5,437	5,473	-.7
Wholesale trade	5,926	6,016	-1.5
Retail trade	18,551	18,612	-.3
Finance, insurance, and real estate	6,594	6,599	-.1
Services	25,103	24,978	.5
Government	17,656	17,671	-.1

sion 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 latest benchmarks and 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. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1988

Industry	Benchmarks (thousands)	Sample coverage ¹		
		Number of establishments	Number (thousands)	Percent of benchmarks
Total	103,835	262,856	38,922	37
Mining	711	3,361	276	39
Construction	4,686	24,924	917	20
Manufacturing	19,171	49,889	9,483	49
Transportation and public utilities	5,437	214,091	2,482	46
Wholesale trade	5,926	22,810	1,062	18
Retail trade	18,551	49,015	3,704	20
Finance, insurance, and real estate	6,594	19,711	2,126	32
Services	25,103	58,713	5,795	23
Government:				
Federal	2,964	(³)	2,964	100
State	4,151	4,883	3,406	82
Local	10,541	15,459	6,707	64

¹ Counts reflect reports used in final estimates. Since not all establishments report payroll and hours information, hours and earnings estimates are based on a smaller sample than employment estimates.

² The Interstate Commerce Commission provides a complete count of employment for Class I railroads.

³ Total Federal employment counts for use in national estimates 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 56 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 ¹	Relative error ²	
		Average weekly hours	Average hourly earnings
Total	0.2	—	—
Total private .....	.3	0.1	0.2
Mining	2.2	1.0	1.3
Construction	1.8	.2	.5
Manufacturing .....	.7	.1	.2
Durable goods .....	.7	.1	.3
Nondurable goods .....	.9	.1	.2
Transportation and public utilities .....	.4	.7	.6
Wholesale trade	1.0	.2	.4
Retail trade .....	.7	.2	.4
Finance, insurance, and real estate .....	.3	.2	.4
Services .....	.3	.4	.6
Government ³ .....	.3	—	—

¹ The average percent revision in employment for the 1984-88 benchmarks.

² Relative errors relate to 1982 data.

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

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same

establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

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	88,900	89,500	Nondurable goods—Continued		
Total private	61,300	58,900	Chemicals and allied products ..	2,600	2,800
Goods-producing industries	21,200	19,800	Petroleum and coal products ...	1,200	1,200
Mining	4,400	4,200	Rubber and misc. plastics	1,600	1,600
Oil and gas extraction	3,800	3,300	products	1,700	1,600
Construction	14,400	15,100	Leather and leather products ...		
General building contractors	4,900	5,100	Service-producing industries	85,400	85,700
Manufacturing	18,200	18,300	Transportation and public utilities ..	14,600	13,000
Durable goods	13,700	12,300	Transportation	16,600	16,000
Lumber and wood products	2,200	2,000	Communication and public		
Furniture and fixtures	1,700	1,600	utilities	6,500	6,100
Stone, clay, and glass products ..	1,600	1,500	Wholesale trade	8,700	7,700
Primary metal industries	4,300	4,300	Durable goods	5,800	5,300
Blast furnaces and basic			Nondurable goods	5,000	4,400
steel products	3,300	3,100	Retail trade	38,600	34,400
Fabricated metal products	2,400	2,200	General merchandise stores	22,800	20,400
Machinery, except electrical	5,700	6,800	Food stores	6,800	6,000
Electrical and electronic equipment	4,900	4,900	Automotive dealers and		
Transportation equipment	7,700	7,000	service stations	4,200	5,100
Motor vehicles and equipment ..	6,500	6,600	Eating and drinking places	10,100	9,500
Instruments and related products	2,100	2,200	Finance, insurance, and real estate	8,700	7,600
Miscellaneous manufacturing	1,800	1,800	Finance	4,100	3,900
Nondurable goods	8,500	8,400	Insurance	3,700	3,100
Food and kindred products	5,600	5,600	Real estate	5,000	4,000
Tobacco manufactures	1,500	1,400	Services	36,600	34,900
Textile mill products	1,800	1,700	Business services	11,700	10,700
Apparel and other textile			Health services	10,200	10,000
products	4,500	4,000	Government	59,700	53,500
Paper and allied products	1,600	1,400	Federal	15,900	11,300
Printing and publishing	2,100	2,000	State	22,000	20,000
			Local	34,600	34,500

NOTE: Data are based on differences from December 1983 through December 1988.

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

COLLECTION

Productivity data are compiled by the Bureau of Labor Statistics from establishment and household survey labor input data and from measures of compensation and output supplied by the U.S. Department of Commerce and the Federal Reserve Board.

CONCEPTS

Hours of wage and salary workers in nonagricultural establishments (table C-9) refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers. For productivity and cost measures (tables C-10, 11), hours of all persons include hours of employees, proprietors, and unpaid family workers. Labor input is measured by hours at the work site.

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 (productivity) measure changes in the volume of goods and services produced per hour at work.

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 by 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, capital consump-

tion allowances, interest, rental income of persons, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross product originating in the sector 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 and capital consumption 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 general government, 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. All measures are seasonally adjusted.

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 for determining eligibility of an area for benefits under Federal programs such as the Job Training and Partnership Act, the Economic Dislocation and Worker Adjustment Assistance Act, and the Urban Development Action Grant program.

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 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, DC 20402. The report "Unemployment in States and Local Areas" is published monthly through GPO and is available in microfiche form only, on a subscription basis.

ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 2,600 labor market areas. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. A more detailed description of the estimation procedure is contained in the BLS document, "Manual for Developing Local Area Unemployment Statistics."

Estimates for States

Current monthly estimates. The civilian labor force and unemployment estimates for the 11 largest States—California, Florida, Illinois, Massachusetts, Michigan, New Jersey, New York, North Carolina, Ohio, Pennsylvania, and Texas—are sufficiently reliable to be taken directly from the Current Population Survey (CPS) on a monthly basis. These are termed "direct-use States." For a description of the CPS concepts, see "Household Data," above.

For the 39 smaller States and the District of Columbia, which do not use the CPS directly each month, regression models (sets of equations) are used to develop employment and unemployment estimates. These, then, are the "non-direct-use" States. The regression techniques are based on historical and current relationships found within each State's economy as reflected in the different sources of data that are available for each State—the CPS, the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. When the estimation procedures were introduced in 1989, over 10 years of data were used to develop the equations for each State. While all the State models have important variables in common, they differ somewhat from one another so as to better reflect individual State characteristics.

Two models—one for employment and one for the unemployment rate—are used for each State. The unemployment rate, rather than the unemployment level, is modeled, primarily because the rate is usually more meaningful for economic analysis.

The employment models use the CES estimates of nonfarm wage and salary jobs and also include data for employed persons not covered or only partially covered by the CES survey. Typically, these are agricultural workers, the self-employed, unpaid family workers, and private household workers.

The unemployment rate models also include different types of data. Data for UI claimants (without earnings due to employment) are used to represent most of the experienced unemployed. The models also include an employment-to-population ratio which reflects both the business cycle and the experienced unemployed not covered by the UI claims data. New entrants and reentrants into the labor force are also reflected in the models. For some States, the models include variables which reflect seasonal factors not reflected in the other data used, such as the large increase in the labor force at the end of the school year.

In both the employment and unemployment rate models,

an important feature is the use of a technique that allows the equations to adjust automatically to structural changes that occur. The models are termed "variable coefficient models" because they include a built-in tuning mechanism, known as the Kalman Filter, which revises a model's coefficients when the new data that become available each month indicate that changes in the data relationships have taken place. Once the estimates are developed from the models, the unemployment level and labor force estimates are calculated.

Benchmark correction procedures. Once each year, monthly estimates for the 39 non-direct-use States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a procedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual average, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

In the 11 direct-use States, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal the CPS annual averages.

Estimates for sub-State areas

Monthly labor force and employment estimates for two large sub-state areas—New York City and the Los Angeles-Long Beach metropolitan area—are obtained directly from the CPS. Estimates for all other sub-state areas, more than 2,600 labor market areas (LMA's), are prepared through indirect estimation techniques, described below.

Preliminary estimate—employment. The total civilian employment estimates are based on CES data. These "place-of-work" estimates 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 several categories of employment on the basis of employment relationships at the time of the 1980 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not represented in the CES—agriculture, nonagricultural self-employed and unpaid family workers, and private household workers.

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.

Sub-State adjustment for additivity. Estimates of employment and unemployment are prepared for the State and LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment must be applied to all sub-State LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment.

Benchmark correction. At the end of each year, sub-State estimates are revised. The revisions incorporate any changes in the inputs, such as revisions in the CES-based employment figures, corrections in claims counts, and updated historical

relationships. The corrected estimates are then readjusted to add to the revised (benchmarked) State estimates of employment and unemployment.

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 monthly in *Employment and Earnings*.

Since January 1980, national labor force data have been seasonally adjusted with a procedure called *X-11 ARIMA* (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the 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.

At the beginning of each calendar year, projected seasonal adjustment factors are calculated for use during the January–June period. In July of each year, BLS calculates and publishes in *Employment and Earnings* projected 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 only 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 a 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 procedure 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.

Since the early 1980's, the BLS has also used the X-11 ARIMA procedure to seasonally adjust establishment-based employment, hours, and earnings data. The X-11 ARIMA program has been run once each year after benchmarking and seasonal adjustment factors have been projected and published for 12 months ahead (April–March). Beginning in June 1989, with the introduction of the March 1988 benchmarks, the Bureau introduced a modification to this procedure to parallel that used in seasonally adjusting household survey data. Projected seasonal adjustment factors are now calculated only for the first 6 months after benchmarking. A second set of projected seasonal adjustment factors, for use during the subsequent period, will be computed based upon data through September and introduced with the publication of data for October. Revisions of historical data for the most recent 5 years will continue to be made once a year, coincident with benchmark revisions, and published in a *Supplement to Employment and Earnings*.

All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. 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, and major industry divisions, 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, however, are used in the aggregation to broader level seasonally adjusted series.

Seasonal adjustment factors for Federal Government

employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census takers for the 1980 decennial census, however, are removed prior to the calculation of seasonal adjustment factors.

Revised seasonally adjusted establishment-based series based on the experience through March 1989, new seasonal adjustment factors for April-September, and a description of the current seasonal adjustment procedure appear in the June 1989 issue of *Employment and Earnings*.

BLS has developed an extension of X-11 ARIMA to allow it to adjust more adequately for the effects of the presence or absence of religious holidays in the April survey reference period and of Labor Day in the September reference period. This extension was applied for the first time at the end of 1989 to three persons-at-work labor force series which tested as having significant and well-defined effects in their April data associated with the timing of Easter. This extension will also be used for the seasonal adjustment of many of the establishment-based series on average weekly hours, starting with the computation of the projected factors for the period beginning in April 1990.

**U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics**

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REGIONS VII and VIII-- KANSAS CITY 15th Floor 911 Walnut Street Kansas City, MO 64106 Phone (816) 426-2481	I CONNECTICUT Labor Department, Employment Security Division, 209 Folly Brook Blvd., Wethersfield 06109	II NEW YORK Department of Labor, Division of Research and Statistics, State Campus, Room 400, Bldg. 12, Albany 12240-0020
REGIONS IX and X-- SAN FRANCISCO 71 Stevenson Street P.O. Box 3766 San Francisco, CA 94119 Phone (415) 744-6600	II DELAWARE Department of Labor, Office of Occupational and Labor Market Information, P.O. Box 9029 Newark 19714-9029	IV NORTH CAROLINA Employment Security Commission, Labor Market Information Division, P.O. Box 25903 Raleigh 27611
	III DIST. OF COL. Department of Employment Services, Division of Labor Market Information and Analysis, Room 201, 500 C St., NW, Washington DC 20001	VII NORTH DAKOTA Job Service, P.O. Box 1537, Bismarck 58502
	IV FLORIDA Florida Department of Labor and Employment Security, Bureau of Labor Market Information, Suite 203, 2574 Seagate Dr., Tallahassee 32399-0674	V OHIO Bureau of Employment Services, Labor Market Information Division, 1160 Dublin Rd., Columbus 43215
	IV GEORGIA Department of Labor, Labor Information Systems, 148 International Blvd., NE Atlanta 30303	VI OKLAHOMA Employment Security Commission, Research and Planning Division, 2401 North Lincoln, Oklahoma City 73105
	IX HAWAII Department of Labor and Industrial Relations Research and Statistics Office, Room 304, 330 Punchbowl St., Honolulu 96813	X OREGON Employment Division, 875 Union St., NE, Salem 97311
	X IDAHO Department of Employment, 317 Main St. Boise 83735	II PENNSYLVANIA Department of Labor and Industry, Research and Statistics Division, Room 1216, 7th and Forster Sts., Harrisburg 17121
	V ILLINOIS Department of Employment Security, (2 South), 401 South State St., Chicago 60605	II PUERTO RICO Department of Labor and Human Resources, Bureau of Labor Statistics, 17th Fl., 505 Munoz Rivera Avenue, Hato Rey 00918 (CES); Bureau of Employment Security, Research and Analysis Section, 15th Fl., 505 Munoz Rivera Avenue, Hato Rey 00918 (LAUS)
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	VII IOWA Department of Employment Services, 1000 East Grand Avenue, Des Moines 50319	IV SOUTH CAROLINA Employment Security Commission, Labor Market Information Division, P.O. Box 995, Columbia 29202
	VII KANSAS Department of Human Resources, 401 Topeka Avenue, Topeka 66603	VIII SOUTH DAKOTA Department of Labor, Labor Market Information Center, P.O. Box 4730, Aberdeen 57401
	IV KENTUCKY Department for Employment Services, Labor Market Research and Analysis Branch, 275 East Main St., Frankfort 40621	IV TENNESSEE Department of Employment Security, Research and Statistics Division, 519 Cordell Hull Office Bldg., Nashville 37219
	VI LOUISIANA Department of Labor, Research and Statistics Section, 1001 North 23rd St., Baton Rouge 70804-9094	VI TEXAS Employment Commission, Room 208-T, 1117 Trinity St., Austin 78778
	I MAINE Department of Labor, Division of Economic Analysis and Research, 20 Union St., Augusta 04330	VIII UTAH Department of Employment Security, Labor Market Information Services, P.O. Box 11249, Salt Lake City 84147
	III MARYLAND Department of Employment and Training, Research and Analysis Division, 1100 North Eutaw St., Baltimore 21201	I VERMONT Department of Employment and Training, Office of Policy and Public Information, P.O. Box 488, Montpelier 05602
	I MASSACHUSETTS Department of Employment and Training Government Center, Charles F. Hurley Bldg., Boston 02114	III VIRGINIA Employment Commission, Economic Information Services, P.O. Box 1358, Richmond 23211
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	V MINNESOTA Department of Jobs and Training, Research and Statistics Division, 5th Fl., 390 North Robert St., St. Paul 55101	X WASHINGTON Employment Security Department, Labor Market and Economic Analysis Branch, 605 Woodview Dr., Olympia 98503
	IV MISSISSIPPI Employment Security Commission, Labor Market Information Division, P.O. Box 1699, Jackson 39215-1699	III WEST VIRGINIA Department of Employment Security, Division of Labor and Economic Security, 112 California Avenue, Charleston 25305
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