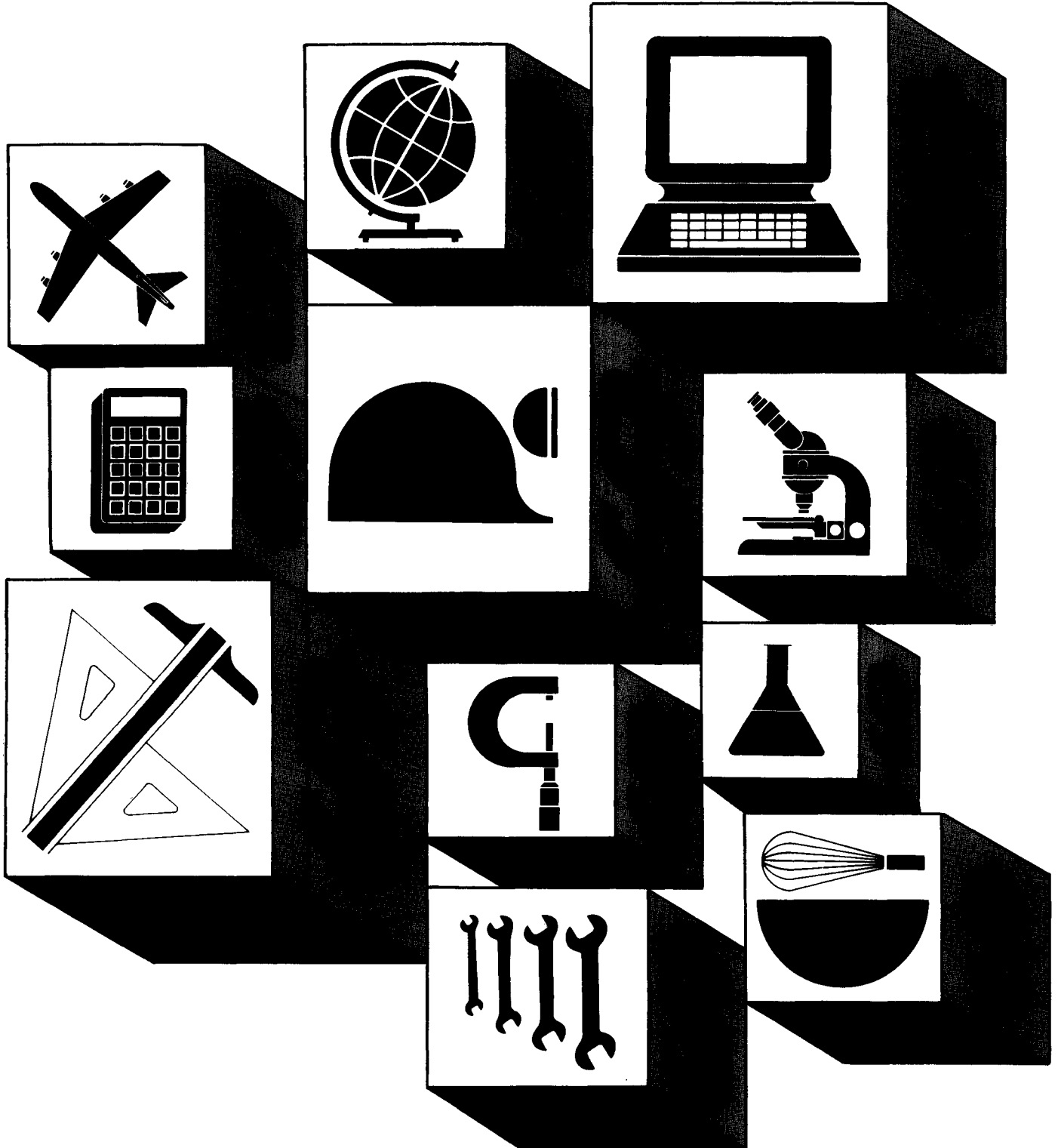


EMPLOYMENT AND EARNINGS

In this issue: State and area annual averages
Area definitions

U.S. Department of Labor
Bureau of Labor Statistics
May 1991





U.S. DEPARTMENT OF LABOR

Lynn Martin, Secretary

BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

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Calendar of Features

In addition to the monthly data appearing regularly in *Employment and Earnings*, special features appear in most of the issues as shown below.

Household data

Annual averages	Jan.
Union affiliation	Jan.
Earnings by detailed occupation	Jan.
Employee absences	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.
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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 ¹
Revised historical national data	(²)
State and area annual averages	May
Area definitions	May

State and area labor force data

Annual averages	May
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¹ The September 1990 issue introduced March 1989 benchmarks.

² See *Employment, Hours, and Earnings, United States, 1909-90, Volumes I and II*, Bulletin 2370, March 1991

Employment and Earnings

Vol. 38 No. 5 May 1991

Editors: Gloria Peterson Green, Eugene H. Becker

Editors' Note

Effective with the June issue of this publication (May 1991 data), national estimates of nonfarm payroll employment, hours, and earnings will be revised to incorporate March 1990 benchmark levels and updated seasonal adjustment factors.

Contents

	<i>Page</i>
List of statistical tables	2
Employment and unemployment developments, April 1991	5
Statistical tables:	
Historical—	
Household data	7
Establishment data:	
Employment	47
Hours and earnings	83
Not seasonally adjusted—	
Household data	10
Establishment data:	
Employment:	
National	48
State and area	64
Hours and earnings:	
National	86
State and area	110
State and area labor force data	118
Seasonally adjusted—	
Household data	37
Establishment data:	
Employment	60
Hours and earnings	107
Productivity data	115
Annual averages—States and areas	124
Area definitions	154
Explanatory notes	161

Monthly Household Data

Page

Employment Status

A- 1.	Employment status of the noninstitutional population 16 years and over, 1958 to date	7
A- 2.	Employment status of the noninstitutional population 16 years and over by sex, 1980 to date	8
A- 3.	Employment status of the civilian noninstitutional population 16 years and over, 1958 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	41
A-36.	Employed civilians by sex and age, seasonally adjusted	42
A-37.	Unemployed persons by sex and age, seasonally adjusted	42
A-38.	Unemployment rates by sex and age, seasonally adjusted	43
A-39.	Selected unemployment indicators, seasonally adjusted	44
A-40.	Unemployed persons by duration of unemployment, seasonally adjusted	45
A-41.	Unemployed persons by reason for unemployment, seasonally adjusted	45

Monthly Establishment Data

Page

Employment-National

B- 1. Employees on nonfarm payrolls by major industry, 1940 to date	47
B- 2. Employees on nonfarm payrolls by detailed industry	48
B- 3. Women employees on nonfarm payrolls by major industry and manufacturing group	59
B- 4. Employees on nonfarm payrolls by major industry and manufacturing group, seasonally adjusted	60
B- 5. Women employees on nonfarm payrolls by major industry and manufacturing group, seasonally adjusted	61
B- 6. Production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted	62
B- 7. Diffusion indexes of employment change, seasonally adjusted	63

Employment-States and Areas

B- 8. Employees on nonfarm payrolls in States and selected areas by major industry	64
--	----

Hours and Earnings-National

C- 1. Average hours and earnings of production or nonsupervisory workers on private nonfarm payrolls by major industry, 1964 to date	83
C- 2. Average hours and earnings of production or nonsupervisory workers on private nonfarm payrolls by detailed industry	86
C- 2a. Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing	104
C- 3. Average hourly earnings, excluding overtime, of production workers on manufacturing payrolls	105
C- 4. Average hourly and weekly earnings of production or nonsupervisory workers on private nonfarm payrolls by major industry, in current and constant (1982) dollars	106
C- 5. Average weekly hours of production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted	107
C- 6. Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted	108
C- 7. Average hourly and weekly earnings of production or nonsupervisory workers on private nonfarm payrolls, seasonally adjusted	109

Hours and Earnings-States and Areas

C- 8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas	110
--	-----

Productivity Data

C- 9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted	115
C- 10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted	116
C- 11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates	117

Monthly State and Area Labor Force Data

D- 1. Labor force status by State and selected metropolitan areas	118
---	-----

Annual Averages—Establishment Data

Page

States and Areas, 1988-90

Employment

1. Employees on nonfarm payrolls in States and selected areas by major industry 124

Hours and Earnings

2. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas 142

Annual Averages—State and Area Labor Force Data

States and Areas, 1989-90

3. Labor force status by State and selected metropolitan areas 147

Employment and Unemployment Developments, April 1991

The decline in nonfarm payroll employment moderated in April. After 2 months of steep increases, the civilian worker unemployment rate fell from 6.8 to 6.6 percent.

Nonfarm payroll employment—as measured by the survey of establishments—decreased by 125,000, considerably less than the declines of the previous 6 months. In contrast, total civilian employment—as measured by the survey of households—showed an unusually large increase in April.

Unemployment

The number of unemployed persons declined by 300,000 in April. At 8.3 million, seasonally adjusted, the number of jobless persons was still more than half a million higher than at the beginning of this year and 1.4 million higher than last July, when the current recession began. The civilian worker unemployment rate, which had risen sharply in February and March, fell by 0.2 percentage point in April to 6.6 percent. The jobless rate now stands 1.1 percentage points higher than in July. (See table A-33.)

Unemployment rates for adult men (6.2 percent), adult women (5.5 percent), whites (5.8 percent), and Hispanics (9.0 percent) were down somewhat in April, while the rates for teenagers (18.1 percent) and blacks (12.6 percent) were little changed. Jobless rates for all major worker groups remained substantially higher than they were in mid-1990. (See tables A-33 and A-34.)

The number of persons unemployed because they had lost their last jobs decreased by 175,000 in April, after rising steadily since last summer. Job losers still account for 55 percent of the total unemployed, as they did in February and March. The number of workers unemployed for less than 15 weeks also declined over the month, and both the average and median duration of unemployment rose slightly. (See tables A-40 and A-41.)

Civilian employment and the labor force

At 117.4 million, seasonally adjusted, total civilian employment rose by 640,000 in April but was still about half a million below the level of last July. About half of the April increase was in self-employment. Reflecting the unusually large over-the-month gain in employment, the employment-population ratio—the proportion of the

working-age population with jobs—rose by 0.3 percentage point to 62.0 percent, about where it stood in January. (See table A-33.)

The civilian labor force rose by 350,000 over the month to 125.7 million. Over the past 12 months, the labor force has grown by 900,000, with all of the increase among adults. The labor force participation rate—the proportion of working-age persons either employed or actively seeking employment—was 66.4 percent in April, about the same as a year earlier. (See table A-33.)

Industry payroll employment

Nonfarm payroll employment declined by 125,000 in April to 109.2 million. This decline was only half the average of the prior 3 months and was less widespread, as the index of diffusion was at its highest level in 7 months. Since the beginning of the recession in July of 1990, the number of payroll jobs has fallen by 1.6 million. (See tables B-4 and B-7.)

Manufacturing employment decreased by 40,000 in April, considerably less than the average of 115,000 in the previous 5 months. Most manufacturing industries showed only small movements, but large losses occurred in industrial machinery and transportation equipment other than autos (especially aircraft). The auto industry added nearly 15,000 workers, reflecting the resumption of production by some plants following inventory control shutdowns.

Employment in construction was down by 20,000 in April, as hiring fell short of seasonal expectations for the second straight month. This industry has lost half a million jobs since last May.

The number of retail trade jobs declined by 40,000 in April, following a combined loss of 180,000 in February and March. Job losses in wholesale trade, an industry closely tied to construction and manufacturing, totaled 15,000 in April and 145,000 since the beginning of last summer.

Employment in transportation and public utilities was little changed in April, after declining by 50,000 in the prior 7 months. In finance, the number of jobs increased for the first time since last August.

In the services industry, while the overall April change was quite small, business services gained employment for the first time since last September. Health services added

40,000 jobs, close to its average growth pace of the past 2 years.

Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls edged down by 0.1 hour in April to 34.1 hours, seasonally adjusted, 0.4 hour less than last July. The manufacturing workweek and factory overtime both increased by 0.1 hour over the month to 40.2 hours and 3.3 hours, respectively. (See table C-5.)

The index of aggregate weekly hours of private production or nonsupervisory workers decreased by 0.3 percent to 121.0 (1982=100) in April, seasonally adjusted. The

index for manufacturing was little changed at 100.0. That index was down by 7 percent since the recession began. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers increased by 0.5 percent to \$10.29, seasonally adjusted, in April. Average weekly earnings increased by 0.2 percent to \$350.89. Prior to seasonal adjustment, average hourly earnings edged up by 5 cents and average weekly earnings were up by \$2.73. Over the past year, average hourly earnings increased by 3.3 percent and average weekly earnings by 2.4 percent. (See tables C-1 and C-7.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
May	June 7	August	September 6
June	July 5	September	October 4
July	August 2	October	November 1

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1958 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												
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
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	
1990	189,686	126,424	66.6	119,550	1,637	117,914	3,186	114,728	6,874	5.4	63,262	
Monthly data, seasonally adjusted²												
1990:												
April	189,326	126,438	66.8	119,747	1,657	118,090	3,140	114,950	6,691	5.3	62,888	
May	189,467	126,578	66.8	119,916	1,639	118,277	3,286	114,991	6,662	5.3	62,889	
June	189,607	126,427	66.7	119,867	1,630	118,237	3,279	114,958	6,560	5.2	63,180	
July	189,763	126,336	66.6	119,509	1,627	117,882	3,108	114,774	6,827	5.4	63,427	
August	189,901	126,345	66.5	119,330	1,640	117,690	3,152	114,538	7,015	5.6	63,556	
September	190,002	126,571	66.6	119,484	1,601	117,883	3,194	114,689	7,087	5.6	63,431	
October	190,095	126,445	66.5	119,303	1,570	117,733	3,175	114,558	7,142	5.6	63,650	
November	190,312	126,338	66.4	119,001	1,615	117,386	3,185	114,201	7,337	5.8	63,974	
December	190,483	126,791	66.6	119,191	1,617	117,574	3,253	114,321	7,600	6.0	63,692	
1991:												
January	190,592	126,253	66.2	118,537	1,615	116,922	3,163	113,759	7,715	6.1	64,339	
February	190,717	126,678	66.4	118,520	1,602	116,918	3,222	113,696	8,158	6.4	64,039	
March	190,703	126,786	66.5	118,214	1,460	116,754	3,098	113,656	8,572	6.8	63,917	
April	190,836	127,128	66.6	118,854	1,456	117,398	3,156	114,243	8,274	6.5	63,708	

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, 1980 to date

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian		Number	Percent of labor force		
						Total	Agriculture			Nonagricultural industries	
Annual averages											
MEN											
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	65,366	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	86,476	67,784	76.8	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,892
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
1990	91,122	69,705	76.5	65,906	1,472	64,435	2,507	61,928	3,799	5.4	21,417
Monthly data, seasonally adjusted²											
1990:											
April	90,942	69,697	76.6	66,035	1,499	64,536	2,435	62,101	3,662	5.3	21,245
May	91,014	69,729	76.6	66,081	1,472	64,589	2,562	62,027	3,668	5.3	21,285
June	91,087	69,609	76.4	65,964	1,465	64,499	2,571	61,928	3,645	5.2	21,478
July	91,168	69,523	76.3	65,728	1,462	64,266	2,478	61,788	3,795	5.5	21,645
August	91,240	69,552	76.2	65,683	1,475	64,188	2,477	61,711	3,889	5.6	21,688
September	91,271	69,814	76.5	65,853	1,441	64,412	2,512	61,900	3,961	5.7	21,457
October	91,299	69,804	76.5	65,822	1,414	64,408	2,504	61,904	3,982	5.7	21,495
November	91,440	69,899	76.4	65,790	1,453	64,337	2,518	61,819	4,109	5.9	21,541
December	91,537	70,058	76.5	65,781	1,454	64,327	2,572	61,755	4,277	6.1	21,479
1991:											
January	91,590	69,543	75.9	65,251	1,453	63,798	2,466	61,331	4,292	6.2	22,047
February	91,650	69,749	76.1	65,043	1,439	63,604	2,520	61,084	4,706	6.7	21,901
March	91,587	69,808	76.2	64,846	1,314	63,532	2,456	61,076	4,962	7.1	21,779
April	91,652	69,655	76.2	65,112	1,310	63,802	2,504	61,298	4,743	6.8	21,797
Annual averages											
WOMEN											
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	690	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	51,658	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
1990	98,564	56,719	57.5	53,644	165	53,479	679	52,800	3,075	5.4	41,845
Monthly data, seasonally adjusted²											
1990:											
April	98,383	56,741	57.7	53,712	158	53,554	705	52,849	3,029	5.3	41,642
May	98,453	56,849	57.7	53,855	167	53,688	724	52,964	2,994	5.3	41,604
June	98,520	56,818	57.7	53,903	165	53,738	708	53,030	2,915	5.1	41,702
July	98,595	56,813	57.6	53,781	165	53,616	630	52,986	3,032	5.3	41,782
August	98,661	56,793	57.6	53,667	165	53,502	675	52,827	3,126	5.5	41,868
September	98,731	56,757	57.5	53,631	160	53,471	682	52,789	3,126	5.5	41,974
October	98,796	56,641	57.3	53,481	156	53,325	671	52,654	3,160	5.6	42,155
November	98,872	56,439	57.1	53,211	162	53,049	667	52,362	3,228	5.7	42,433
December	98,946	56,733	57.3	53,410	163	53,247	681	52,566	3,323	5.9	42,213
1991:											
January	99,002	56,710	57.3	53,287	162	53,125	697	52,428	3,423	6.0	42,292
February	99,067	56,929	57.5	53,477	163	53,314	703	52,611	3,452	6.1	42,138
March	99,116	56,978	57.5	53,368	146	53,222	642	52,580	3,610	6.3	42,138
April	99,184	57,273	57.7	53,742	146	53,596	651	52,945	3,531	6.2	41,911

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.

**HOUSEHOLD DATA
HISTORICAL**

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1958 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								
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
1990	188,049	124,787	66.4	117,914	6,874	5.5	5.6	5.4
Monthly data, seasonally adjusted²								
1990:								
April	187,669	124,781	66.5	118,090	6,691	5.4	5.4	5.4
May	187,828	124,939	66.5	118,277	6,662	5.3	5.4	5.3
June	187,977	124,797	66.4	118,237	6,560	5.3	5.3	5.1
July	188,136	124,709	66.3	117,882	6,827	5.5	5.6	5.4
August	188,261	124,705	66.2	117,690	7,015	5.6	5.7	5.5
September	188,401	124,970	66.3	117,883	7,087	5.7	5.8	5.5
October	188,525	124,875	66.2	117,733	7,142	5.7	5.8	5.6
November	188,697	124,723	66.1	117,386	7,337	5.9	6.0	5.7
December	188,866	125,174	66.3	117,574	7,600	6.1	6.2	5.9
1991:								
January	188,977	124,638	66.0	116,922	7,715	6.2	6.3	6.1
February	189,115	125,076	66.1	116,918	8,158	6.5	6.9	6.1
March	189,243	125,326	66.2	116,754	8,572	6.8	7.2	6.4
April	189,380	125,672	66.4	117,398	8,274	6.6	6.9	6.2

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	April 1991										
	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	189,380	124,727	65.9	118,678	8,049	6.5	64,652	25,983	9,583	3,618	25,467
16 to 19 years	13,455	6,484	48.2	5,361	1,123	17.3	6,971	385	6,091	35	460
16 to 17 years	6,613	2,438	36.9	1,927	512	21.0	4,174	114	3,850	18	192
18 to 19 years	6,842	4,046	59.1	3,434	612	15.1	2,796	270	2,241	18	268
20 to 24 years	17,988	13,477	75.3	12,130	1,347	10.0	4,412	1,519	2,133	82	677
25 to 54 years	106,799	89,371	83.7	84,371	5,000	5.8	17,428	11,419	1,323	1,504	3,181
25 to 34 years	42,399	35,422	83.5	33,067	2,356	6.7	6,977	4,614	919	330	1,114
25 to 29 years	20,372	17,092	83.9	15,897	1,195	7.0	3,280	2,062	541	111	566
30 to 34 years	22,027	18,331	83.2	17,169	1,161	6.3	3,897	2,552	378	219	548
35 to 44 years	38,505	32,936	85.5	31,179	1,756	5.3	5,569	3,730	314	525	1,000
35 to 39 years	20,258	17,273	85.3	16,253	1,020	5.9	2,984	2,061	177	271	475
40 to 44 years	18,247	15,662	85.8	14,926	736	4.7	2,585	1,669	137	254	524
45 to 54 years	25,895	21,013	81.1	20,125	888	4.2	4,882	3,074	91	650	1,067
45 to 49 years	14,154	11,845	83.7	11,371	474	4.0	2,309	1,503	62	282	462
50 to 54 years	11,741	9,168	78.1	8,755	414	4.5	2,573	1,571	29	367	605
55 to 64 years	21,135	11,727	55.5	11,246	481	4.1	9,408	4,205	26	859	4,318
55 to 59 years	10,501	7,036	67.0	6,718	318	4.5	3,465	1,778	15	443	1,230
60 to 64 years	10,634	4,691	44.1	4,528	163	3.5	5,943	2,427	11	417	3,088
65 years and over	30,103	3,668	12.2	3,570	98	2.7	26,435	8,458	10	1,138	16,831
65 to 69 years	10,176	2,219	21.8	2,154	65	2.9	7,957	2,628	4	286	5,039
70 to 74 years	8,081	893	11.1	873	19	2.2	7,169	2,309	4	251	4,606
75 years and over	11,865	558	4.7	542	14	2.5	11,309	3,520	3	601	7,186
Men											
16 years and over	90,342	66,048	75.3	63,258	4,788	7.0	22,296	531	4,798	1,956	15,010
16 to 19 years	6,775	3,260	48.1	2,662	598	18.3	3,515	13	3,217	19	268
16 to 17 years	3,392	1,223	36.1	961	263	21.5	2,169	1	2,043	10	115
18 to 19 years	3,382	2,036	60.2	1,701	335	16.4	1,346	12	1,174	10	151
20 to 24 years	8,760	7,176	81.9	6,341	835	11.6	1,584	44	1,078	53	408
25 to 54 years	52,273	46,796	89.3	45,831	2,965	6.1	3,476	251	498	954	1,773
25 to 34 years	20,833	19,498	93.6	18,077	1,419	7.3	1,337	92	387	229	829
25 to 29 years	9,965	9,309	93.4	8,600	710	7.6	656	51	237	74	294
30 to 34 years	10,867	10,186	93.7	9,477	709	7.0	661	41	150	155	335
35 to 44 years	18,855	17,831	94.6	16,809	1,022	5.7	1,024	70	88	323	542
35 to 39 years	9,949	9,447	95.0	8,845	602	6.4	502	25	80	165	252
40 to 44 years	8,906	8,384	94.1	7,983	421	5.0	522	45	28	159	290
45 to 54 years	12,585	11,469	91.1	10,946	524	4.6	1,115	89	22	402	602
45 to 49 years	6,886	6,369	92.5	6,085	284	4.5	518	41	17	195	264
50 to 54 years	5,898	5,101	89.5	4,881	240	4.7	598	48	5	207	338
55 to 64 years	9,982	6,712	67.2	6,391	321	4.8	3,269	59	4	472	2,734
55 to 59 years	4,994	3,988	79.9	3,767	221	5.5	1,006	25	2	234	744
60 to 64 years	4,988	2,724	54.6	2,624	100	3.7	2,264	33	2	238	1,990
65 years and over	12,553	2,102	16.7	2,032	70	3.3	10,451	164	2	458	9,828
65 to 69 years	4,607	1,251	27.2	1,208	43	3.5	3,356	29	-	149	3,179
70 to 74 years	3,546	529	14.9	513	16	2.9	3,018	54	1	120	2,842
75 years and over	4,400	322	7.3	312	11	3.3	4,078	82	-	188	3,807
Women											
16 years and over	99,038	56,681	57.2	53,420	3,261	5.8	42,357	25,452	4,785	1,682	10,457
16 to 19 years	6,680	3,225	48.3	2,699	526	18.3	3,456	372	2,874	16	194
16 to 17 years	3,220	1,215	37.7	968	249	20.5	2,005	113	1,807	8	77
18 to 19 years	3,460	2,010	58.1	1,733	277	13.8	1,450	258	1,066	8	117
20 to 24 years	9,128	6,300	69.0	5,788	512	8.1	2,828	1,475	1,056	29	269
25 to 54 years	54,526	40,575	74.4	36,540	2,035	5.0	13,951	11,167	826	550	1,408
25 to 34 years	21,566	15,926	73.8	14,989	937	5.9	5,840	4,522	532	101	485
25 to 29 years	10,407	7,782	74.8	7,297	485	6.2	2,624	2,011	304	37	272
30 to 34 years	11,180	8,144	73.0	7,692	452	5.6	3,016	2,511	228	64	213
35 to 44 years	19,649	15,105	76.9	14,371	734	4.9	4,545	3,660	225	202	457
35 to 39 years	10,308	7,828	75.9	7,408	419	5.3	2,482	2,036	116	107	223
40 to 44 years	9,341	7,278	77.9	6,963	315	4.3	2,063	1,624	109	95	234
45 to 54 years	13,311	9,544	71.7	9,180	364	3.8	3,766	2,985	88	247	465
45 to 49 years	7,268	5,477	75.4	5,286	191	3.5	1,791	1,481	44	87	198
50 to 54 years	6,043	4,068	67.3	3,894	174	4.3	1,975	1,524	24	160	267
55 to 64 years	11,153	5,015	45.0	4,855	160	3.2	6,138	4,146	21	387	1,584
55 to 59 years	5,507	3,048	55.3	2,951	97	3.2	2,459	1,753	13	209	485
60 to 64 years	5,646	1,967	34.8	1,904	63	3.2	3,679	2,393	9	178	1,099
65 years and over	17,550	1,566	8.9	1,537	29	1.8	15,984	8,292	9	660	7,003
65 to 69 years	5,570	968	17.4	947	21	2.2	4,601	2,600	4	137	1,860
70 to 74 years	4,515	364	8.1	360	4	1.0	4,151	2,255	3	130	1,764
75 years and over	7,465	234	3.1	230	4	1.5	7,231	3,438	2	412	3,379

**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	April 1991										
	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	161,264	107,110	66.4	100,969	6,141	5.7	54,154	22,295	7,150	2,694	22,015
16 to 19 years	10,743	5,625	52.4	4,748	877	15.6	5,117	270	4,530	25	293
16 to 17 years	5,248	2,156	41.1	1,729	427	19.8	3,091	88	2,868	9	127
18 to 19 years	5,495	3,469	63.1	3,019	450	13.0	2,026	183	1,662	16	166
20 to 24 years	14,680	11,324	77.1	10,383	941	8.3	3,356	1,159	1,666	55	474
25 to 54 years	90,470	76,560	84.6	72,734	3,826	5.0	13,910	9,503	928	1,065	2,414
25 to 34 years	35,518	30,097	84.7	28,338	1,759	5.8	5,421	3,742	639	248	791
25 to 29 years	16,958	14,490	85.4	13,611	879	6.1	2,468	1,627	372	83	386
30 to 34 years	18,560	15,607	84.1	14,727	881	5.6	2,952	2,115	267	165	405
35 to 44 years	32,775	28,280	86.3	26,908	1,372	4.9	4,495	3,163	225	354	752
35 to 39 years	17,140	14,726	85.9	13,957	770	5.2	2,413	1,755	122	175	362
40 to 44 years	15,635	13,553	86.7	12,951	602	4.4	2,082	1,409	103	179	391
45 to 54 years	22,178	18,184	82.0	17,488	695	3.8	3,994	2,598	63	463	870
45 to 49 years	12,144	10,242	84.3	9,883	360	3.5	1,902	1,275	45	214	368
50 to 54 years	10,033	7,941	79.1	7,606	336	4.2	2,092	1,322	19	248	503
55 to 64 years	18,412	10,317	56.0	9,890	427	4.1	8,095	3,685	17	636	3,757
55 to 59 years	9,095	6,196	68.1	5,913	283	4.6	2,899	1,538	12	310	1,038
60 to 64 years	9,317	4,121	44.2	3,977	144	3.5	5,196	2,147	5	326	2,719
65 years and over	26,959	3,283	12.2	3,214	69	2.1	23,676	7,677	7	914	15,078
65 to 69 years	8,959	1,976	22.1	1,936	41	2.1	6,983	2,331	4	226	4,421
70 to 74 years	7,272	801	11.0	784	16	2.0	6,472	2,115	3	202	4,152
75 years and over	10,727	506	4.7	493	12	2.4	10,222	3,231	-	486	6,505
Men											
16 years and over	77,549	59,039	76.1	55,326	3,712	6.3	18,510	371	3,620	1,490	13,029
16 to 19 years	5,422	2,826	52.1	2,361	465	16.5	2,596	5	2,418	14	158
16 to 17 years	2,688	1,086	40.4	871	215	19.8	1,602	-	1,531	3	68
18 to 19 years	2,734	1,740	63.6	1,489	250	14.4	994	6	887	11	90
20 to 24 years	7,213	6,015	83.4	5,439	576	9.6	1,198	10	872	34	282
25 to 54 years	44,856	42,324	94.4	40,004	2,320	5.5	2,532	164	326	701	1,342
25 to 34 years	17,703	16,763	94.7	15,659	1,104	6.6	940	59	263	170	448
25 to 29 years	8,419	7,965	94.6	7,423	541	6.8	455	31	164	54	205
30 to 34 years	9,283	8,799	94.8	8,236	563	6.4	485	28	98	116	243
35 to 44 years	16,275	15,551	95.6	14,745	806	5.2	724	49	51	231	392
35 to 39 years	8,541	8,189	95.9	7,723	466	5.7	353	16	34	115	187
40 to 44 years	7,734	7,363	95.2	7,023	340	4.6	371	33	17	116	205
45 to 54 years	10,878	10,009	92.0	9,599	410	4.1	868	56	12	300	501
45 to 49 years	5,974	5,564	93.1	5,351	214	3.8	409	27	7	155	221
50 to 54 years	4,904	4,445	90.6	4,249	196	4.4	459	29	5	145	280
55 to 64 years	8,779	5,962	67.9	5,665	296	5.0	2,817	47	4	369	2,397
55 to 59 years	4,376	3,549	81.1	3,346	203	5.7	827	19	2	179	627
60 to 64 years	4,403	2,413	54.8	2,320	94	3.9	1,990	27	2	191	1,770
65 years and over	11,279	1,912	16.9	1,857	54	2.8	9,368	145	-	373	8,850
65 to 69 years	4,092	1,138	27.8	1,109	30	2.6	2,954	26	-	118	2,809
70 to 74 years	3,192	476	14.9	462	14	2.9	2,716	50	-	103	2,563
75 years and over	3,995	297	7.4	286	11	3.6	3,698	68	-	151	3,478
Women											
16 years and over	83,715	48,071	57.4	45,643	2,428	5.1	35,644	21,924	3,530	1,204	8,966
16 to 19 years	5,321	2,799	52.6	2,387	412	14.7	2,522	265	2,112	11	134
16 to 17 years	2,559	1,070	41.8	858	212	19.8	1,490	88	1,337	6	58
18 to 19 years	2,762	1,730	62.6	1,529	200	11.6	1,032	176	775	5	76
20 to 24 years	7,467	5,309	71.1	4,944	365	6.9	2,158	1,149	796	21	192
25 to 54 years	45,615	34,237	75.1	32,730	1,506	4.4	11,378	9,339	602	364	1,073
25 to 34 years	17,815	13,334	74.8	12,679	655	4.9	4,481	3,684	377	78	343
25 to 29 years	8,539	6,525	76.4	6,188	338	5.2	2,013	1,596	207	28	181
30 to 34 years	9,276	6,809	73.4	6,491	318	4.7	2,468	2,087	169	49	162
35 to 44 years	16,499	12,728	77.1	12,162	566	4.4	3,771	3,114	173	124	360
35 to 39 years	8,599	6,538	76.0	6,234	304	4.6	2,061	1,739	87	60	175
40 to 44 years	7,901	6,190	78.4	5,928	262	4.2	1,710	1,375	86	63	185
45 to 54 years	11,300	8,174	72.3	7,889	285	3.5	3,126	2,542	52	162	370
45 to 49 years	6,171	4,678	75.8	4,532	146	3.1	1,493	1,249	38	60	146
50 to 54 years	5,129	3,496	68.2	3,357	139	4.0	1,633	1,293	14	103	223
55 to 64 years	9,633	4,355	45.2	4,225	130	3.0	5,278	3,638	13	267	1,360
55 to 59 years	4,720	2,648	56.1	2,568	80	3.0	2,072	1,519	10	132	411
60 to 64 years	4,914	1,707	34.7	1,657	51	3.0	3,206	2,119	3	135	949
65 years and over	15,680	1,371	8.7	1,356	15	1.1	14,309	7,532	7	542	6,228
65 to 69 years	4,867	838	17.2	827	11	1.3	4,029	2,305	4	108	1,812
70 to 74 years	4,080	324	8.0	322	2	.7	3,755	2,065	3	99	1,589
75 years and over	6,733	209	3.1	207	1	.7	6,524	3,163	-	335	3,027

**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	April 1991										
	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	21,541	13,473	62.5	11,828	1,645	12.2	8,069	2,800	1,682	820	2,766
16 to 19 years	2,100	673	32.0	450	222	33.0	1,427	90	1,185	8	144
16 to 17 years	1,043	218	20.9	142	75	34.7	826	18	747	6	55
18 to 19 years	1,056	455	43.1	308	147	32.3	601	72	439	2	89
20 to 24 years	2,500	1,726	69.1	1,356	370	21.5	774	301	283	23	167
25 to 54 years	12,268	9,682	78.9	8,688	994	10.3	2,587	1,377	206	387	617
25 to 34 years	5,308	4,154	78.3	3,635	519	12.5	1,154	651	181	69	273
25 to 29 years	2,616	2,010	76.9	1,735	275	13.7	605	340	89	24	152
30 to 34 years	2,692	2,144	79.6	1,900	244	11.4	548	311	72	44	121
35 to 44 years	4,244	3,480	82.0	3,188	313	9.0	763	372	41	153	197
35 to 39 years	2,336	1,916	82.0	1,719	197	10.3	419	206	27	89	97
40 to 44 years	1,908	1,564	82.0	1,449	116	7.4	344	166	13	65	100
45 to 54 years	2,717	2,047	75.3	1,885	162	7.9	670	354	4	165	147
45 to 49 years	1,426	1,136	79.6	1,035	101	8.9	290	152	3	61	75
50 to 54 years	1,290	911	70.6	850	61	8.7	379	202	1	104	72
55 to 64 years	2,123	1,084	51.0	1,045	39	3.6	1,039	391	7	199	442
55 to 59 years	1,088	641	58.9	615	25	3.9	447	170	2	115	160
60 to 64 years	1,035	443	42.8	430	13	3.0	592	221	4	84	283
65 years and over	2,551	308	12.1	269	19	6.2	2,242	641	2	204	1,396
65 to 69 years	946	203	21.4	186	16	8.1	743	220	-	56	467
70 to 74 years	638	70	11.0	67	3	(¹)	588	163	1	41	363
75 years and over	967	35	3.7	36	-	(¹)	932	258	1	107	566
Men											
16 years and over	9,679	6,749	69.7	5,832	917	13.6	2,930	137	768	424	1,601
16 to 19 years	1,037	345	33.3	226	120	34.7	692	6	588	2	95
16 to 17 years	528	106	20.0	66	40	37.8	422	1	377	4	41
18 to 19 years	509	240	47.1	160	80	33.3	269	5	211	-	55
20 to 24 years	1,170	914	78.1	679	235	25.7	256	31	105	18	101
25 to 54 years	5,496	4,768	86.8	4,235	533	11.2	728	77	73	233	346
25 to 34 years	2,380	2,084	87.6	1,814	270	13.0	296	31	58	53	154
25 to 29 years	1,187	1,022	87.5	876	146	14.3	146	19	32	18	76
30 to 34 years	1,213	1,062	87.6	938	124	11.7	150	12	26	35	78
35 to 44 years	1,898	1,660	87.5	1,490	170	10.2	238	17	13	91	117
35 to 39 years	1,045	927	88.7	824	103	11.1	119	7	9	49	54
40 to 44 years	853	733	86.0	666	67	9.1	119	10	4	42	63
45 to 54 years	1,218	1,024	84.1	931	93	9.1	194	28	2	89	75
45 to 49 years	632	548	86.6	486	62	11.3	85	13	2	34	36
50 to 54 years	586	476	81.3	445	31	6.5	110	16	-	55	39
55 to 64 years	943	571	60.6	554	18	3.1	372	10	-	94	268
55 to 59 years	478	332	69.5	317	15	4.5	146	6	-	47	93
60 to 64 years	466	239	51.4	237	3	1.2	226	4	-	47	175
65 years and over	1,032	150	14.6	140	11	7.2	882	14	1	77	790
65 to 69 years	409	89	21.8	80	9	10.5	320	-	-	28	292
70 to 74 years	289	40	14.0	39	2	(¹)	248	4	1	17	227
75 years and over	335	21	6.2	21	-	(¹)	314	10	-	33	272
Women											
16 years and over	11,863	6,724	56.7	5,996	728	10.8	5,139	2,663	914	396	1,165
16 to 19 years	1,062	327	30.8	225	102	31.3	735	84	597	5	48
16 to 17 years	515	112	21.7	77	36	31.7	403	17	370	2	14
18 to 19 years	547	215	39.3	148	67	31.1	332	67	228	3	34
20 to 24 years	1,330	812	61.1	677	135	16.6	518	270	177	5	86
25 to 54 years	6,772	4,914	72.6	4,453	461	9.4	1,858	1,301	133	154	271
25 to 34 years	2,928	2,070	70.7	1,821	249	12.0	858	620	103	15	119
25 to 29 years	1,448	989	68.3	859	130	13.1	460	321	57	8	76
30 to 34 years	1,480	1,082	73.1	962	120	11.1	398	299	46	9	43
35 to 44 years	2,346	1,821	77.6	1,677	143	7.9	525	355	27	63	80
35 to 39 years	1,290	989	76.7	895	95	9.6	301	200	18	40	43
40 to 44 years	1,056	831	78.7	782	49	5.9	224	155	9	23	37
45 to 54 years	1,499	1,023	68.3	954	69	6.7	476	326	2	76	72
45 to 49 years	794	588	74.1	549	39	6.7	206	139	1	27	39
50 to 54 years	705	435	61.7	405	30	6.8	270	187	1	49	33
55 to 64 years	1,179	512	43.4	491	21	4.1	667	381	7	105	174
55 to 59 years	610	309	50.8	298	10	3.4	301	164	2	68	67
60 to 64 years	569	203	35.7	193	10	5.1	366	217	4	37	107
65 years and over	1,518	158	10.4	150	8	5.3	1,360	627	-	127	606
65 to 69 years	537	114	21.2	107	7	6.2	423	220	-	28	175
70 to 74 years	349	30	8.6	29	1	(¹)	319	159	-	24	137
75 years and over	632	15	2.3	15	-	(¹)	618	249	1	74	294

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	April 1991								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	28,116	17,618	62.7	15,709	241	15,468	1,908	10.8	10,498
16 to 19 years	2,712	859	31.7	813	9	604	246	28.6	1,854
18 to 17 years	1,385	282	20.7	197	3	194	85	30.0	1,083
18 to 19 years	1,347	577	42.8	415	6	410	161	28.0	771
20 to 24 years	3,208	2,152	67.1	1,747	17	1,730	406	18.8	1,056
25 to 54 years	18,329	12,811	78.5	11,637	161	11,476	1,174	9.2	3,518
25 to 34 years	6,881	5,325	77.4	4,729	64	4,664	596	11.2	1,556
25 to 29 years	3,413	2,602	76.2	2,288	29	2,256	316	12.1	812
30 to 34 years	3,467	2,723	78.5	2,443	35	2,408	280	10.3	744
35 to 44 years	5,730	4,656	61.3	4,272	62	4,210	384	8.3	1,074
35 to 39 years	3,118	2,547	81.7	2,297	39	2,258	250	9.8	571
40 to 44 years	2,612	2,109	80.7	1,975	23	1,952	134	6.4	503
45 to 54 years	3,718	2,830	76.1	2,637	35	2,602	193	6.8	888
45 to 49 years	2,010	1,803	79.8	1,488	23	1,465	115	7.2	407
50 to 54 years	1,708	1,227	71.8	1,149	12	1,137	78	6.4	481
55 to 64 years	2,723	1,410	51.8	1,356	27	1,329	54	3.8	1,312
55 to 59 years	1,406	840	59.8	805	18	789	35	4.2	566
60 to 64 years	1,317	570	43.3	551	11	541	19	3.3	747
65 years and over	3,144	385	12.2	356	27	329	29	7.6	2,759
65 to 69 years	1,217	243	20.0	219	15	203	24	10.0	974
70 to 74 years	789	92	11.6	89	3	86	3	3.3	697
75 years and over	1,138	50	4.4	48	9	39	2	(¹)	1,087
Men									
16 years and over	12,793	9,008	70.4	7,932	187	7,745	1,076	11.9	3,786
16 to 19 years	1,353	434	32.0	301	5	297	132	30.5	920
16 to 17 years	704	137	19.4	89	1	88	48	34.8	567
18 to 19 years	649	297	45.7	212	4	208	85	28.6	352
20 to 24 years	1,547	1,161	75.0	903	14	888	258	22.2	386
25 to 54 years	7,417	6,472	87.3	5,827	122	5,705	645	10.0	944
25 to 34 years	3,130	2,733	87.3	2,418	52	2,366	315	11.5	397
25 to 29 years	1,546	1,345	87.0	1,176	27	1,150	169	12.5	201
30 to 34 years	1,584	1,388	87.6	1,242	25	1,216	146	10.5	196
35 to 44 years	2,580	2,280	88.4	2,063	43	2,020	216	9.5	300
35 to 39 years	1,408	1,258	89.4	1,123	26	1,097	136	10.8	150
40 to 44 years	1,172	1,021	87.2	941	17	923	81	7.9	150
45 to 54 years	1,707	1,460	85.5	1,346	27	1,319	114	7.8	247
45 to 49 years	913	804	88.1	734	15	719	70	8.7	108
50 to 54 years	795	656	82.5	612	12	601	44	6.6	139
55 to 64 years	1,202	751	62.4	726	20	706	25	3.3	452
55 to 59 years	618	440	71.2	422	11	411	18	4.1	178
60 to 64 years	584	311	53.2	304	9	295	7	2.1	274
65 years and over	1,274	190	14.9	175	26	149	15	8.1	1,084
65 to 69 years	515	113	21.9	99	14	84	14	12.4	402
70 to 74 years	354	53	14.8	51	3	48	2	(¹)	301
75 years and over	405	25	8.2	25	9	16	-	(¹)	380
Women									
16 years and over	15,322	8,610	56.2	7,777	54	7,724	833	9.7	6,712
16 to 19 years	1,359	425	31.3	312	4	307	114	26.7	934
16 to 17 years	861	145	22.0	108	2	108	37	25.5	516
18 to 19 years	698	280	40.1	204	2	202	77	27.3	418
20 to 24 years	1,661	992	59.7	844	3	842	147	14.9	670
25 to 54 years	8,912	6,339	71.1	5,810	39	5,771	529	8.3	2,573
25 to 34 years	3,751	2,592	69.1	2,310	12	2,298	282	10.9	1,159
25 to 29 years	1,868	1,257	67.3	1,110	3	1,107	147	11.7	611
30 to 34 years	1,884	1,335	70.9	1,201	9	1,192	134	10.1	548
35 to 44 years	3,150	2,376	75.4	2,209	19	2,190	168	7.1	774
35 to 39 years	1,710	1,289	75.4	1,174	13	1,161	115	8.9	421
40 to 44 years	1,440	1,088	75.5	1,035	8	1,028	53	4.9	353
45 to 54 years	2,010	1,370	68.1	1,291	8	1,283	79	5.8	641
45 to 49 years	1,097	799	72.8	754	7	747	45	5.6	299
50 to 54 years	913	571	62.5	537	1	536	34	6.0	342
55 to 64 years	1,520	660	43.4	631	7	623	29	4.4	860
55 to 59 years	788	400	50.8	383	6	377	17	4.2	387
60 to 64 years	733	260	35.5	247	1	246	12	4.7	473
65 years and over	1,870	195	10.4	181	1	180	14	7.1	1,675
65 to 69 years	702	130	18.5	120	1	119	10	7.9	572
70 to 74 years	435	39	9.0	38	-	38	1	(¹)	396
75 years and over	733	25	3.5	23	-	23	2	(¹)	707

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	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
TOTAL								
Civilian noninstitutional population	187,669	189,380	82,487	83,567	91,330	92,358	13,852	13,455
Civilian labor force	123,816	124,727	63,980	64,787	52,786	53,457	7,051	6,484
Percent of population	66.0	65.9	77.6	77.5	57.8	57.9	50.9	48.2
Employed	117,359	116,678	60,848	60,596	50,439	50,721	6,072	5,361
Agriculture	3,102	3,110	2,263	2,312	631	599	208	199
Nonagricultural industries	114,257	113,568	58,585	58,284	49,808	50,122	5,865	5,162
Unemployed	6,457	8,049	3,132	4,190	2,347	2,736	978	1,123
Unemployment rate	5.2	6.5	4.9	6.5	4.4	5.1	13.9	17.3
Not in labor force	63,853	64,652	18,507	18,780	38,544	38,901	6,802	6,971
White								
Civilian noninstitutional population	160,170	161,264	71,318	72,127	77,688	78,394	11,164	10,743
Civilian labor force	106,460	107,110	55,663	56,213	44,700	45,272	6,097	5,625
Percent of population	66.5	66.4	78.0	77.9	57.5	57.7	54.6	52.4
Employed	101,564	100,969	53,265	52,966	42,981	43,255	5,318	4,748
Agriculture	2,912	2,869	2,110	2,130	595	549	207	191
Nonagricultural industries	98,652	98,100	51,155	50,836	42,386	42,706	5,111	4,558
Unemployed	4,895	6,141	2,398	3,247	1,719	2,016	779	877
Unemployment rate	4.6	5.7	4.3	5.8	3.8	4.5	12.8	15.6
Not in labor force	53,710	54,154	15,655	15,914	32,988	33,123	5,067	5,117
Black								
Civilian noninstitutional population	21,228	21,541	8,464	8,642	10,611	10,800	2,154	2,100
Civilian labor force	13,335	13,473	6,216	6,404	6,358	6,397	762	673
Percent of population	62.8	62.5	73.4	74.1	59.9	59.2	35.4	32.0
Employed	11,973	11,828	5,589	5,607	5,799	5,771	585	450
Agriculture	125	164	102	125	23	34	-	4
Nonagricultural industries	11,847	11,665	5,486	5,482	5,776	5,737	585	446
Unemployed	1,362	1,645	627	797	558	626	177	222
Unemployment rate	10.2	12.2	10.1	12.4	8.8	9.8	23.3	33.0
Not in labor force	7,893	8,069	2,248	2,238	4,253	4,403	1,392	1,427

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	April 1991									
	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	15,820	7,435	47.0	6,528	1,018	5,510	907	160	747	12.2
16 to 19 years	10,601	4,430	41.8	3,726	244	3,481	705	80	625	15.9
20 to 24 years	5,219	3,005	57.6	2,803	774	2,029	202	80	122	6.7
High school	8,378	3,311	39.5	2,668	120	2,547	643	73	571	19.4
College	7,442	4,125	55.4	3,861	898	2,963	264	87	176	6.4
Full-time students	6,480	3,275	50.5	3,048	386	2,661	227	65	163	6.9
Part-time students	962	849	88.3	813	511	301	36	23	14	4.3
Men, 16 to 24 years	7,967	3,606	45.3	3,126	534	2,591	483	92	390	13.4
16 to 19 years	5,390	2,141	39.7	1,782	136	1,646	359	41	318	16.8
20 to 24 years	2,577	1,467	56.9	1,343	398	945	124	52	72	8.5
High school	4,399	1,705	38.8	1,372	84	1,288	333	36	298	19.5
College	3,568	1,903	53.3	1,754	450	1,304	150	57	93	7.9
Full-time students	3,129	1,511	48.3	1,385	220	1,165	127	43	84	8.4
Part-time students	438	392	89.4	369	230	139	23	14	9	5.8
Women, 16 to 24 years	7,853	3,827	48.7	3,403	484	2,919	424	68	356	11.1
16 to 19 years	5,211	2,289	43.9	1,943	108	1,835	346	39	307	15.1
20 to 24 years	2,642	1,538	58.2	1,459	376	1,084	78	29	50	5.1
High school	3,979	1,606	40.4	1,295	36	1,260	310	37	273	19.3
College	3,874	2,221	57.3	2,107	448	1,659	114	31	83	5.1
Full-time students	3,350	1,764	52.6	1,663	166	1,497	101	22	79	5.7
Part-time students	524	458	87.3	444	281	163	14	9	5	3.0
White										
Total, 16 to 24 years	12,844	6,504	50.6	5,788	901	4,887	716	113	603	11.0
16 to 19 years	8,474	3,876	45.7	3,311	215	3,096	565	58	507	14.6
20 to 24 years	4,370	2,628	60.1	2,476	686	1,791	151	54	97	5.8
Men	6,508	3,159	48.5	2,785	478	2,307	374	64	310	11.8
Women	6,336	3,345	52.8	3,002	423	2,580	342	49	294	10.2
High school	6,571	2,881	43.8	2,376	106	2,270	504	45	459	17.5
College	6,273	3,623	57.8	3,412	795	2,617	212	67	144	5.8
Full-time students	5,459	2,879	52.7	2,693	334	2,359	186	53	133	6.5
Part-time students	814	744	91.4	718	461	257	25	14	11	3.4
Black										
Total, 16 to 24 years	2,149	661	30.7	496	85	411	165	41	123	24.9
16 to 19 years	1,612	416	25.8	292	22	270	124	18	106	29.7
20 to 24 years	537	245	45.6	204	63	141	41	24	17	16.7
Men	1,021	316	31.0	224	41	183	92	25	67	29.1
Women	1,128	344	30.5	272	44	228	72	16	56	21.0
High school	1,400	336	24.0	213	11	202	123	23	100	36.6
College	749	324	43.4	283	74	209	42	18	23	12.8
Full-time students	647	246	37.9	215	39	176	30	9	21	12.3
Part-time students	101	79	77.8	68	35	33	11	9	2	14.3
Hispanic origin										
Total, 16 to 24 years	1,347	512	38.0	419	91	327	94	14	80	18.3
16 to 19 years	1,025	316	30.8	238	20	218	78	11	67	24.6
20 to 24 years	322	197	61.1	181	71	110	16	3	13	8.2
Men	672	267	39.7	222	56	167	45	4	41	16.8
Women	675	245	36.4	197	36	161	49	10	39	19.8
High school	895	253	28.2	178	7	171	75	6	69	29.5
College	452	260	57.5	241	84	156	19	8	11	7.4
Full-time students	329	156	47.3	141	21	119	15	5	10	9.6
Part-time students	123	104	85.0	100	63	37	4	3	1	4.1

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	April 1991									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
TOTAL NOT ENROLLED										
Total, 16 to 24 years	15,523	12,525	80.7	10,962	9,268	1,694	1,563	1,460	104	12.5
16 to 19 years	2,854	2,054	72.0	1,635	1,192	444	419	390	28	20.4
20 to 24 years	12,669	10,471	82.7	9,327	8,076	1,251	1,144	1,069	75	10.9
Less than 4 years of high school	3,856	2,348	60.9	1,793	1,361	433	555	523	31	23.6
4 years of high school	7,905	6,709	84.9	5,959	5,025	934	750	695	55	11.2
1 to 3 years of college	2,416	2,173	90.0	1,969	1,725	244	204	189	15	9.4
4 years of college or more	1,347	1,295	96.1	1,242	1,158	84	54	53	1	4.1
Men, 16 to 24 years	7,568	6,827	90.2	5,878	5,198	680	950	926	23	13.9
16 to 19 years	1,385	1,119	80.6	880	689	190	239	231	8	21.4
20 to 24 years	6,183	5,709	92.3	4,998	4,508	490	711	695	15	12.4
Less than 4 years of high school	2,001	1,597	79.8	1,232	1,004	228	365	356	9	22.9
4 years of high school	3,916	3,647	93.1	3,200	2,664	336	447	438	9	12.3
1 to 3 years of college	1,060	1,004	94.7	897	809	88	106	101	6	10.6
4 years of college or more	591	579	98.1	548	521	27	31	31	-	5.3
Women, 16 to 24 years	7,956	5,698	71.6	5,085	4,070	1,015	613	533	80	10.8
16 to 19 years	1,469	935	63.7	756	502	254	180	159	21	19.2
20 to 24 years	6,487	4,763	73.4	4,329	3,568	761	434	374	60	9.1
Less than 4 years of high school	1,855	751	40.5	561	357	205	189	167	22	25.2
4 years of high school	3,989	3,062	76.8	2,759	2,161	598	303	257	47	9.9
1 to 3 years of college	1,355	1,170	86.3	1,072	916	155	98	88	10	8.4
4 years of college or more	757	716	94.6	693	637	56	23	21	2	3.2
White										
Total, 16 to 24 years	12,579	10,446	83.0	9,343	7,936	1,407	1,102	1,028	75	10.6
16 to 19 years	2,269	1,749	77.1	1,437	1,050	387	313	292	21	17.9
20 to 24 years	10,310	8,697	84.4	7,907	6,887	1,020	790	736	54	9.1
Men	6,127	5,682	92.7	5,014	4,465	549	668	654	14	11.8
Women	6,452	4,764	73.8	4,329	3,471	858	434	373	61	9.1
Less than 4 years of high school	2,980	1,945	65.3	1,548	1,186	362	397	381	17	20.4
4 years of high school	6,390	5,535	86.6	5,005	4,238	767	530	487	43	9.6
1 to 3 years of college	2,004	1,802	90.0	1,675	1,472	203	127	114	14	7.1
4 years of college or more	1,206	1,163	96.5	1,115	1,040	75	48	46	1	4.1
Black										
Total, 16 to 24 years	2,451	1,738	70.9	1,310	1,062	249	428	400	28	24.6
16 to 19 years	487	257	52.7	158	115	43	99	91	7	38.4
20 to 24 years	1,964	1,482	75.5	1,152	947	206	329	309	20	22.2
Men	1,186	943	79.5	680	562	118	263	254	9	27.9
Women	1,265	795	62.9	630	499	131	165	146	19	20.8
Less than 4 years of high school	719	332	46.1	185	122	63	146	133	13	44.1
4 years of high school	1,312	1,025	78.1	818	667	151	207	194	13	20.2
1 to 3 years of college	339	304	89.7	234	204	30	70	68	1	23.0
4 years of college or more	80	78	96.4	73	69	4	4	5	-	5.6
Hispanic origin										
Total, 16 to 24 years	2,104	1,533	72.9	1,349	1,178	171	184	178	6	12.0
16 to 19 years	426	273	64.2	231	183	48	43	43	-	15.6
20 to 24 years	1,678	1,259	75.0	1,118	995	123	141	135	6	11.2
Men	1,099	998	90.8	883	792	91	115	116	-	11.5
Women	1,004	535	53.2	466	386	80	69	63	7	12.9
Less than 4 years of high school	1,095	699	63.8	603	500	102	96	95	1	13.7
4 years of high school	774	643	83.0	573	522	52	69	66	3	10.8
1 to 3 years of college	184	147	79.8	132	119	13	15	15	-	10.1
4 years of college or more	51	45	(²)	40	37	3	4	3	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							
	Apr. 1990	Apr. 1991	Total		Employed		Unemployed			
			Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Number		Percent of labor force	
							Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
VIETNAM-ERA VETERANS										
Total, 35 years and over	7,607	7,747	6,916	7,030	6,659	6,701	257	330	3.7	4.7
35 to 49 years	6,525	6,465	6,151	6,119	5,908	5,817	242	302	3.9	4.9
35 to 39 years	1,470	1,216	1,378	1,153	1,302	1,064	76	89	5.5	7.7
40 to 44 years	3,335	3,120	3,182	2,959	3,067	2,820	116	139	3.6	4.7
45 to 49 years	1,720	2,129	1,591	2,008	1,540	1,933	51	74	3.2	3.7
50 years and over	1,082	1,282	766	911	751	883	15	28	1.9	3.0
NONVETERANS										
Total, 35 to 49 years	17,045	18,092	15,936	16,983	15,321	16,053	615	930	3.9	5.5
35 to 39 years	7,818	8,251	7,440	7,837	7,173	7,362	267	474	3.6	6.1
40 to 44 years	5,020	5,669	4,670	5,312	4,490	5,035	180	277	3.8	5.2
45 to 49 years	4,207	4,171	3,825	3,835	3,657	3,656	168	179	4.4	4.7

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.

**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	April 1991							
	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	95,589	93,457	2,132	21,089	17,404	3,685	6,697	1,352
16 to 19 years	1,436	1,381	55	3,925	3,618	307	470	653
16 to 17 years	111	106	5	1,816	1,750	66	84	428
18 to 19 years	1,325	1,275	50	2,109	1,868	241	386	226
20 years and over	94,153	92,076	2,077	17,164	13,786	3,378	6,227	699
20 to 24 years	8,850	8,580	270	3,280	2,561	719	1,149	197
25 years and over	85,303	83,497	1,806	13,885	11,225	2,659	5,077	502
25 to 54 years	74,356	72,786	1,570	10,015	7,824	2,191	4,621	379
55 years and over	10,947	10,710	237	3,869	3,401	468	456	123
Men, 16 years and over	56,426	55,056	1,370	6,832	5,218	1,614	4,225	563
16 to 19 years	826	790	36	1,836	1,679	157	272	326
20 years and over	55,600	54,266	1,334	4,996	3,539	1,457	3,953	237
20 to 24 years	4,906	4,697	209	1,435	1,087	348	747	88
25 years and over	50,694	49,569	1,125	3,561	2,452	1,109	3,206	149
25 to 54 years	43,817	42,832	985	2,015	1,111	903	2,876	89
55 years and over	6,877	6,737	140	1,546	1,341	205	331	60
Women, 16 years and over	39,163	38,401	762	14,257	12,185	2,072	2,472	789
16 to 19 years	610	591	19	2,089	1,939	150	198	327
20 years and over	38,553	37,810	742	12,168	10,246	1,922	2,273	462
20 to 24 years	3,944	3,883	61	1,845	1,474	371	403	110
25 years and over	34,609	33,928	681	10,324	8,773	1,551	1,871	353
25 to 54 years	30,539	29,954	585	8,001	6,713	1,288	1,745	290
55 years and over	4,070	3,973	96	2,323	2,060	263	125	63
White								
Men, 16 years and over	49,390	48,210	1,181	5,936	4,625	1,311	3,270	442
16 to 19 years	733	703	30	1,627	1,498	129	202	263
20 years and over	48,657	47,506	1,151	4,308	3,127	1,182	3,068	179
20 to 24 years	4,210	4,031	179	1,229	954	275	516	60
25 years and over	44,447	43,476	972	3,079	2,173	907	2,552	119
25 to 54 years	38,331	37,483	848	1,673	933	740	2,256	64
55 years and over	6,116	5,993	123	1,407	1,240	167	296	55
Women, 16 years and over	32,919	32,295	624	12,724	11,013	1,711	1,788	640
16 to 19 years	532	515	17	1,856	1,721	135	148	264
20 years and over	32,387	31,780	607	10,868	9,293	1,576	1,640	376
20 to 24 years	3,362	3,318	45	1,582	1,292	290	274	90
25 years and over	29,025	28,463	562	9,286	8,001	1,285	1,366	286
25 to 54 years	25,505	25,023	481	7,228	6,161	1,064	1,271	235
55 years and over	3,520	3,439	81	2,061	1,840	221	95	50
Black								
Men, 16 years and over	5,175	5,007	168	657	411	246	813	104
16 to 19 years	69	63	6	156	130	26	63	56
20 years and over	5,106	4,944	162	501	281	220	749	48
20 to 24 years	534	511	22	145	82	64	216	20
25 years and over	4,572	4,433	139	355	199	156	533	28
25 to 54 years	3,996	3,872	125	239	114	124	509	24
55 years and over	576	561	15	117	85	32	24	4
Women, 16 years and over	4,870	4,765	105	1,126	823	302	600	128
16 to 19 years	68	65	2	157	147	10	45	57
20 years and over	4,802	4,700	103	969	676	292	555	71
20 to 24 years	476	464	12	201	129	72	117	18
25 years and over	4,326	4,235	91	767	548	220	437	53
25 to 54 years	3,897	3,813	84	556	365	191	419	43
55 years and over	430	422	7	211	183	29	19	10

¹ 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**

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

(Numbers in thousands)

Family relationship	April 1991									
	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	99,170	66.2	92,848	6,322	6.4	50,626	21,040	8,715	2,532	18,339
Husbands	40,092	77.9	38,339	1,753	4.4	11,358	202	190	949	10,016
With employed wife	26,792	91.9	25,744	1,048	3.9	2,360	91	104	375	1,790
With unemployed wife	1,089	91.6	947	142	13.0	100	2	3	30	65
With wife not in labor force	12,211	57.8	11,648	563	4.6	8,897	110	83	544	8,161
Wives	30,341	59.0	29,152	1,189	3.9	21,109	16,160	482	449	4,018
With employed husband	26,691	69.6	25,744	947	3.5	11,648	10,061	399	183	1,005
With unemployed husband	1,190	67.9	1,048	142	11.9	563	473	22	17	51
With husband not in labor force	2,460	21.7	2,360	100	4.1	8,897	5,627	61	248	2,962
Relatives in married-couple families	12,263	59.9	10,828	1,435	11.7	8,215	765	5,687	332	1,431
16 to 19 years	4,158	47.8	3,541	617	14.8	4,543	70	4,221	22	230
20 to 24 years	4,520	71.6	4,107	413	9.1	1,792	198	1,305	40	249
25 years and over	3,585	65.6	3,180	405	11.3	1,880	497	161	270	952
Women who maintain families	6,953	62.0	6,320	633	9.1	4,264	2,717	245	332	969
Relatives in families maintained by women	5,473	58.4	4,534	939	17.2	3,893	809	1,727	306	1,051
16 to 19 years	1,240	43.8	909	331	26.7	1,592	106	1,331	12	143
20 to 24 years	1,522	71.1	1,247	276	18.1	620	150	301	20	149
25 years and over	2,710	61.7	2,378	332	12.3	1,681	553	95	274	759
Men who maintain families	2,265	77.8	2,077	188	8.3	647	38	42	73	494
Relatives in families maintained by men	1,782	61.0	1,598	184	10.3	1,141	349	342	91	359
16 to 19 years	255	47.2	209	46	18.0	284	12	242	-	30
20 to 24 years	471	75.8	432	40	8.4	150	36	66	2	46
25 years and over	1,055	59.9	957	98	9.3	707	301	34	89	283

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	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
Total, 16 years and over	3,666	4,788	5.4	7.0	2,790	3,261	5.0	5.8
Married, spouse present	1,415	1,926	3.4	4.6	998	1,271	3.2	4.1
Widowed, divorced, or separated	511	706	7.0	9.2	643	722	5.7	6.5
Single (never married)	1,740	2,156	9.5	11.9	1,149	1,268	8.2	8.9
White, 16 years and over	2,822	3,712	4.8	6.3	2,073	2,428	4.4	5.1
Married, spouse present	1,197	1,653	3.2	4.4	846	1,069	3.1	3.8
Widowed, divorced, or separated	405	531	6.5	8.4	460	527	5.1	5.8
Single (never married)	1,220	1,529	8.0	10.2	767	832	6.9	7.4
Black, 16 years and over	725	917	11.0	13.6	638	728	9.5	10.8
Married, spouse present	160	198	5.0	6.2	114	142	4.7	5.9
Widowed, divorced, or separated	89	157	9.6	14.4	165	176	8.5	9.4
Single (never married)	475	562	19.3	22.8	359	410	15.2	16.8
Total, 25 years and over	2,444	3,356	4.3	5.8	1,794	2,223	3.9	4.7
Married, spouse present	1,306	1,798	3.2	4.4	854	1,105	2.9	3.8
Widowed, divorced, or separated	481	660	6.8	8.9	574	660	5.3	6.1
Single (never married)	656	898	7.1	9.5	365	458	5.6	6.6
White, 25 years and over	1,917	2,671	3.9	5.3	1,346	1,652	3.4	4.1
Married, spouse present	1,109	1,544	3.1	4.2	731	929	2.8	3.6
Widowed, divorced, or separated	380	492	6.4	8.0	409	486	4.7	5.6
Single (never married)	428	636	5.7	8.2	206	237	4.2	4.6
Black, 25 years and over	430	562	8.0	10.2	392	491	7.1	8.8
Married, spouse present	145	183	4.7	5.9	91	119	4.0	5.2
Widowed, divorced, or separated	83	151	9.2	14.1	148	160	7.9	8.8
Single (never married)	202	228	14.7	17.0	153	212	10.8	14.2

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
Total, 16 years and over	6,457	8,049	5.2	6.5	5.4	7.0	5.0	5.8
Managerial and professional specialty	563	757	1.8	2.4	1.8	2.5	1.8	2.2
Executive, administrative, and managerial	326	430	2.2	2.8	2.2	2.8	2.2	2.8
Professional specialty	237	327	1.5	2.0	1.5	2.2	1.5	1.8
Technical, sales, and administrative support	1,443	1,883	3.8	4.9	3.4	5.0	4.0	4.9
Technicians and related support	94	142	2.3	3.7	2.4	4.0	2.3	3.3
Sales occupations	628	786	4.3	5.3	3.1	4.5	5.5	6.1
Administrative support, including clerical	721	955	3.7	4.9	4.4	6.3	3.5	4.5
Service occupations	1,054	1,127	6.3	6.7	6.2	7.4	6.4	6.2
Private household	42	56	5.5	7.3	(¹)	(¹)	5.4	7.5
Protective service	55	88	2.8	4.1	2.4	3.7	4.6	6.0
Service, except private household and protective	958	983	6.9	7.0	7.4	8.8	6.5	6.1
Precision production, craft, and repair	827	1,168	5.7	8.2	5.7	8.2	5.9	8.0
Mechanics and repairers	175	245	3.8	5.2	3.9	5.2	1.9	6.4
Construction trades	449	667	8.0	12.3	8.0	12.4	5.6	8.4
Other precision production, craft, and repair	203	256	4.7	6.2	4.2	5.6	6.6	8.2
Operators, fabricators, and laborers	1,694	2,078	8.9	11.0	8.7	10.9	9.2	11.2
Machine operators, assemblers, and inspectors	675	910	8.0	10.8	7.3	10.2	8.9	11.7
Transportation and material moving occupations	317	367	6.2	7.0	6.3	7.0	5.2	6.6
Handlers, equipment cleaners, helpers, and laborers	702	802	12.7	15.3	12.8	16.0	12.2	12.0
Construction laborers	181	218	19.7	26.0	19.3	26.2	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	522	583	11.3	13.2	11.2	13.6	11.7	11.8
Farming, forestry, and fishing	231	228	6.7	6.4	6.4	6.5	8.4	6.1
No previous work experience	616	768	-	-	-	-	-	-
16 to 19 years	391	498	-	-	-	-	-	-
20 to 24 years	115	121	-	-	-	-	-	-
25 years and over	110	149	-	-	-	-	-	-

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	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
Total, 16 years and over	6,457	8,049	5.2	6.5	5.4	7.0	5.0	5.8
Nonagricultural private wage and salary workers	5,157	6,385	5.6	6.9	5.9	7.7	5.2	6.0
Mining	38	64	5.1	8.3	5.3	9.3	4.0	3.6
Construction	721	962	11.3	16.2	11.8	16.7	5.5	11.2
Manufacturing	1,239	1,610	5.8	7.5	5.1	6.9	7.1	8.7
Durable goods	690	1,006	5.4	8.0	5.0	8.1	6.4	8.0
Lumber and wood products	59	81	7.8	10.7	7.5	10.9	9.5	9.6
Furniture and fixtures	29	54	4.1	9.1	3.5	10.2	5.4	6.2
Stone, clay, and glass products	48	61	7.3	10.3	7.6	9.5	6.3	13.6
Primary metal industries	32	72	3.6	8.8	3.9	8.7	2.2	9.7
Fabricated metal products	108	137	8.6	11.2	7.9	10.4	10.8	14.1
Machinery, except electrical	100	152	3.9	5.9	3.7	6.1	4.6	5.4
Electrical machinery, equipment, and supplies	123	146	5.8	7.1	4.1	7.0	8.1	7.1
Transportation equipment	120	208	4.6	8.1	4.9	8.0	3.6	8.3
Automobiles	74	129	5.9	10.9	6.2	11.3	5.1	9.5
Other transportation equipment	46	79	3.4	5.7	3.7	5.4	2.1	7.0
Professional and photographic equipment	31	38	4.3	4.8	2.4	5.0	6.7	4.5
Other durable goods industries	40	57	7.8	10.9	8.9	9.1	7.1	13.0
Nondurable goods	548	604	6.3	6.8	5.1	5.0	7.9	9.4
Food and kindred products	157	130	8.5	7.0	6.5	5.3	12.2	10.7
Textile mill products	47	46	6.9	6.4	7.2	5.0	6.5	8.0
Apparel and other textile products	123	114	11.2	10.2	12.3	6.0	10.9	11.3
Paper and allied products	37	33	5.2	4.3	6.0	4.9	3.0	2.0
Printing and publishing	69	103	3.8	5.7	4.3	3.7	3.2	8.0
Chemicals and allied products	51	62	3.7	4.5	2.1	4.1	6.8	5.1
Rubber and miscellaneous plastics products	39	76	5.2	9.9	4.2	6.7	7.2	15.6
Other nondurable goods industries	25	40	5.9	9.1	2.5	6.8	12.6	15.6
Transportation and public utilities	289	370	4.4	5.6	4.8	6.0	3.5	4.7
Transportation	237	282	6.3	7.4	6.8	7.7	4.7	6.6
Communications and other public utilities	52	88	1.9	3.1	1.6	3.3	2.3	2.9
Wholesale and retail trade	1,434	1,673	6.1	7.1	5.8	7.2	6.5	7.0
Wholesale trade	200	266	4.5	5.9	5.0	5.2	3.4	7.3
Retail trade	1,234	1,407	6.5	7.4	6.1	7.9	6.9	7.0
Finance, insurance, and real estate	219	260	3.0	3.6	2.9	3.4	3.0	3.7
Service industries	1,218	1,446	4.6	5.4	4.9	6.4	4.4	4.7
Professional services	462	483	3.0	3.1	3.1	3.9	3.0	2.9
Other service industries	756	963	6.7	8.3	6.3	8.2	7.0	8.4
Agricultural wage and salary workers	187	178	10.5	10.0	10.7	9.9	9.8	10.5
Government, self-employed, and unpaid family workers	496	718	1.7	2.4	1.8	2.7	1.6	2.0
No previous work experience	616	768	-	-	-	-	-	-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
NUMBER OF UNEMPLOYED												
Total unemployed	6,457	8,049	3,132	4,190	2,347	2,736	978	1,123	4,895	6,141	1,362	1,645
Job losers	3,213	4,623	2,025	3,030	986	1,370	202	223	2,517	3,665	600	826
On layoff	944	1,318	612	867	295	419	37	32	793	1,157	130	135
Other job losers	2,269	3,304	1,413	2,163	691	950	165	191	1,723	2,508	469	691
Job leavers	1,065	909	439	395	448	357	176	156	829	739	203	147
Reentrants	1,625	1,862	594	665	783	861	248	316	1,184	1,300	398	489
New entrants	554	656	75	80	129	148	350	428	386	437	162	183
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	57.4	64.6	72.3	42.0	50.1	20.7	19.8	51.4	59.7	44.0	50.2
On layoff	14.6	16.4	19.5	20.7	12.6	15.3	3.8	2.9	16.2	18.8	9.6	8.2
Other job losers	35.1	41.1	45.1	51.6	29.5	34.7	16.9	17.0	35.2	40.8	34.4	42.0
Job leavers	16.5	11.3	14.0	9.4	19.1	13.1	18.2	13.9	16.9	12.0	14.9	8.9
Reentrants	25.2	23.1	19.0	16.4	33.4	31.5	25.3	28.1	24.2	21.2	29.2	29.7
New entrants	8.6	8.1	2.4	1.9	5.5	5.4	35.8	38.1	7.5	7.1	11.9	11.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	2.6	3.7	3.2	4.7	1.9	2.6	2.9	3.4	2.4	3.4	4.5	6.1
Job leavers .....	.9	.7	.7	.6	.8	.7	2.5	2.4	.8	.7	1.5	1.1
Reentrants	1.3	1.5	.9	1.1	1.5	1.6	3.5	4.9	1.1	1.2	3.0	3.6
New entrants .....	.4	.5	.1	.1	.2	.3	5.0	6.6	.3	.4	1.2	1.4

**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	April 1991						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	8,049	100.0	36.7	31.2	32.2	18.6	13.6
Job losers	4,623	100.0	28.6	33.9	37.5	22.0	15.5
On layoff	1,318	100.0	39.7	34.1	26.2	20.1	6.1
Other job losers	3,304	100.0	24.2	33.9	42.0	22.7	19.2
Job leavers	909	100.0	44.7	27.9	27.3	14.5	12.8
Reentrants	1,862	100.0	45.5	27.3	27.3	16.5	10.8
New entrants	656	100.0	57.5	27.3	15.2	6.1	9.1
Men, 20 years and over	4,190	100.0	29.4	30.8	39.8	22.2	17.6
Job losers	3,030	100.0	26.7	31.9	41.3	23.7	17.7
On layoff	867	100.0	39.3	32.6	28.1	22.9	5.2
Other job losers	2,163	100.0	21.7	31.7	46.7	24.0	22.7
Job leavers	395	100.0	34.6	34.0	31.4	14.6	16.9
Reentrants	685	100.0	36.9	25.5	37.7	21.5	16.2
New entrants	80	100.0	42.6	18.1	39.3	8.8	30.5
Women, 20 years and over	2,736	100.0	39.8	32.5	27.7	17.4	10.3
Job losers	1,370	100.0	31.0	37.3	31.7	20.2	11.5
On layoff	419	100.0	39.7	37.2	23.1	15.3	7.9
Other job losers	950	100.0	27.2	37.4	35.4	22.3	13.1
Job leavers	357	100.0	47.3	24.5	28.2	17.1	11.1
Reentrants	861	100.0	47.9	29.6	22.5	14.3	8.2
New entrants	148	100.0	55.0	24.4	20.7	11.0	9.6
Both sexes, 16 to 19 years	1,123	100.0	56.2	29.2	14.6	8.0	6.6
Job losers	223	100.0	39.3	39.8	20.9	10.2	10.8
On layoff	32	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	191	100.0	37.2	41.0	21.8	10.5	11.3
Job leavers	156	100.0	64.5	20.4	15.1	8.7	6.4
Reentrants	316	100.0	57.3	25.0	17.7	11.6	6.1
New entrants	428	100.0	61.2	30.0	8.8	3.8	4.9

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	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
Total, 16 years and over	6,457	8,049	100.0	100.0	5,266	6,697	100.0	100.0
Less than 5 weeks	2,858	2,952	44.3	36.7	2,158	2,182	41.0	32.6
5 to 14 weeks	1,953	2,509	30.2	31.2	1,641	2,119	31.2	31.6
5 to 10 weeks	1,355	1,703	21.0	21.2	1,115	1,404	21.2	21.0
11 to 14 weeks	598	806	9.3	10.0	526	715	10.0	10.7
15 weeks and over	1,646	2,588	25.5	32.2	1,468	2,396	27.9	35.8
15 to 26 weeks	915	1,495	14.2	18.6	824	1,368	15.6	20.4
27 weeks and over	731	1,093	11.3	13.6	644	1,028	12.2	15.3
27 to 51 weeks	325	546	5.0	6.8	268	518	5.1	7.7
52 weeks and over	406	547	6.3	6.8	376	510	7.1	7.6
Average (mean) duration, in weeks	13.0	14.8	-	-	13.9	16.1	-	-
Median duration, in weeks	5.8	8.1	-	-	6.5	9.4	-	-

**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	
								Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
	April 1991										
Total, 16 years and over	8,049	2,952	2,509	1,495	1,093	14.8	8.1	44.3	36.7	25.5	32.2
16 to 19 years	1,123	631	328	89	75	8.6	4.0	59.7	56.2	13.1	14.6
20 to 24 years	1,347	565	412	226	144	12.1	6.6	50.7	41.9	18.2	27.5
25 to 34 years	2,356	854	773	462	267	13.8	8.1	43.6	36.3	25.0	30.9
35 to 44 years	1,756	555	554	383	264	16.5	9.3	36.6	31.6	32.1	36.8
45 to 54 years	888	203	268	224	193	20.9	13.0	34.3	22.9	38.5	46.9
55 to 64 years	481	111	149	91	130	23.2	13.2	30.6	23.1	38.9	45.8
65 years and over	98	32	25	20	21	18.6	11.6	39.3	32.8	26.9	41.3
Men, 16 years and over	4,788	1,548	1,470	988	782	16.8	9.6	40.5	32.3	29.9	37.0
16 to 19 years	598	315	178	59	45	9.5	4.3	58.7	52.8	15.7	17.4
20 to 24 years	835	313	262	150	110	13.6	8.4	45.7	37.5	21.3	31.2
25 to 34 years	1,419	470	443	313	192	15.1	9.2	40.7	33.1	28.2	35.6
35 to 44 years	1,022	251	326	257	189	19.6	11.9	32.3	24.5	40.0	43.6
45 to 54 years	524	113	154	123	133	23.7	14.0	29.8	21.6	42.6	48.9
55 to 64 years	321	65	88	68	101	26.3	15.9	25.8	20.2	46.5	52.5
65 years and over	70	21	18	18	12	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,261	1,404	1,039	507	311	11.8	6.1	49.1	43.0	19.6	25.1
16 to 19 years	526	316	150	31	29	7.6	3.7	60.8	60.1	10.1	11.4
20 to 24 years	512	252	150	76	34	9.7	4.7	56.9	49.2	14.3	21.5
25 to 34 years	937	384	329	148	75	11.8	6.7	47.4	41.0	20.7	23.8
35 to 44 years	734	304	228	126	75	12.3	6.2	41.7	41.4	22.9	27.4
45 to 54 years	364	90	113	101	59	17.0	11.6	41.6	24.8	31.6	44.1
55 to 64 years	160	46	61	23	29	16.8	10.7	39.7	29.1	24.7	32.5
65 years and over	29	11	7	2	9	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,141	2,196	1,965	1,177	803	14.6	8.2	43.8	35.8	25.7	32.2
Men	3,712	1,160	1,189	777	587	16.6	9.6	39.9	31.2	30.3	36.7
Women	2,428	1,036	776	400	217	11.6	6.3	49.1	42.7	19.4	25.4
Black, 16 years and over	1,645	656	468	256	264	15.5	7.6	46.5	39.9	24.0	31.7
Men	917	339	240	161	177	17.7	9.4	44.6	36.9	27.0	36.9
Women	728	317	228	95	87	12.8	5.8	48.7	43.6	20.5	25.1
Men, 16 years and over:											
Married, spouse present	1,926	552	617	424	332	18.1	10.6	33.6	28.7	36.1	39.3
Widowed, divorced, or separated	706	190	224	162	130	18.4	10.9	41.7	26.9	33.5	41.4
Single (never married)	2,156	805	629	402	319	15.2	8.2	45.9	37.3	23.9	33.5
Women, 16 years and over:											
Married, spouse present	1,271	499	428	218	127	12.2	6.8	47.6	39.3	21.3	27.1
Widowed, divorced, or separated	722	285	206	136	95	14.6	7.7	45.1	39.5	23.2	32.0
Single (never married)	1,268	620	406	153	88	9.8	4.8	52.8	48.9	16.3	19.1

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	
	April 1991							Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
OCCUPATION											
Managerial and professional specialty	757	213	252	163	129	17.4	10.3	38.0	28.1	29.0	38.6
Technical, sales, and administrative support	1,883	648	649	372	214	14.1	8.5	44.2	34.4	24.3	31.1
Service occupations	1,127	508	307	158	154	13.4	5.7	50.0	45.1	22.0	27.7
Precision production, craft, and repair	1,168	344	366	251	207	17.0	11.2	37.4	29.5	31.0	39.2
Operators, fabricators, and laborers	2,078	699	666	438	276	15.4	8.7	41.7	33.6	28.3	34.4
Farming, forestry, and fishing	228	79	56	61	32	17.1	10.6	41.6	34.6	26.8	40.8
INDUSTRY¹											
Agriculture	178	59	44	59	16	14.7	11.7	46.0	33.1	24.6	42.7
Construction	976	293	288	253	144	15.8	11.1	37.8	30.0	33.0	40.6
Manufacturing	1,621	460	562	341	258	16.9	9.9	37.5	28.4	27.7	37.0
Durable goods	1,006	279	345	217	165	17.3	10.5	32.6	27.7	31.8	38.0
Nondurable goods	615	181	217	124	93	16.4	9.2	43.8	29.4	22.5	35.3
Transportation and public utilities	417	135	132	89	61	15.4	9.5	39.2	32.4	27.4	36.0
Wholesale and retail trade	1,681	642	558	281	200	13.8	7.5	47.4	38.2	21.7	28.6
Finance and service industries	1,919	752	570	335	261	14.6	7.2	46.5	39.2	25.7	31.1
Public administration	173	52	62	33	25	14.1	9.3	33.0	30.1	27.8	33.5
No previous work experience	768	440	207	50	71	10.1	3.9	58.1	57.3	15.9	15.8

¹ Includes wage and salary workers only.

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

Sex, age, and race	April 1991								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,049	6,633	24.3	8.5	73.7	41.8	22.4	5.7	1.76
16 to 19 years	1,123	1,081	11.5	2.3	82.0	26.9	18.9	3.3	1.45
20 to 24 years	1,347	1,184	24.2	7.2	74.9	43.3	20.9	3.4	1.74
25 to 34 years	2,356	1,912	26.5	9.1	73.7	43.9	22.3	6.1	1.82
35 to 44 years	1,756	1,376	29.5	11.9	72.7	47.1	24.5	7.6	1.93
45 to 54 years	888	662	27.7	10.3	67.4	43.9	26.2	7.8	1.83
55 to 64 years	481	344	25.7	12.6	62.2	46.2	24.0	8.5	1.79
65 years and over	98	74	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Men, 16 years and over	4,788	3,840	25.6	8.6	76.3	40.6	25.7	6.4	1.83
16 to 19 years	598	576	12.1	2.1	84.8	27.3	23.1	2.6	1.52
20 to 24 years	835	715	24.6	6.2	78.5	42.3	23.0	3.2	1.78
25 to 34 years	1,419	1,114	27.2	9.4	77.4	43.3	27.3	6.5	1.91
35 to 44 years	1,022	771	32.0	12.1	73.7	43.8	27.9	9.1	1.99
45 to 54 years	524	381	30.8	10.8	68.5	43.2	26.2	10.5	1.90
55 to 64 years	321	227	26.6	14.3	68.5	40.6	23.8	10.1	1.84
65 years and over	70	56	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,261	2,793	22.4	8.3	70.1	43.3	17.9	4.9	1.67
16 to 19 years	526	505	10.7	2.5	78.8	26.3	14.1	4.0	1.37
20 to 24 years	512	469	23.6	8.6	69.5	44.9	17.6	3.8	1.68
25 to 34 years	937	799	25.5	8.6	68.5	44.7	15.3	5.5	1.68
35 to 44 years	734	605	26.3	11.7	71.5	51.3	20.3	5.6	1.87
45 to 54 years	364	281	23.5	9.7	65.9	44.9	26.3	4.1	1.74
55 to 64 years	160	117	24.0	9.5	49.8	57.2	24.4	5.5	1.70
65 years and over	29	18	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,141	4,895	23.2	9.2	73.7	44.4	22.3	6.2	1.79
Men	3,712	2,854	25.0	9.5	75.9	42.6	25.1	7.1	1.85
Women	2,428	2,041	20.8	8.8	70.5	47.0	18.4	4.9	1.70
Black, 16 years and over	1,645	1,503	27.2	6.2	74.8	32.5	22.4	4.0	1.67
Men	917	841	27.1	5.0	78.8	33.2	26.6	3.5	1.74
Women	728	662	27.4	7.7	69.7	31.5	17.0	4.7	1.58

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	April 1991								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,049	6,633	24.3	8.5	73.7	41.8	22.4	5.7	1.76
Job losers ¹	4,623	3,261	31.2	10.8	74.9	46.4	24.8	6.0	1.94
Job leavers	909	887	20.0	7.8	74.2	43.0	19.1	5.2	1.69
Reentrants	1,862	1,831	18.4	6.7	70.5	37.2	21.5	6.4	1.61
New entrants	656	654	12.0	2.8	75.7	29.8	18.1	3.1	1.41
Men, 16 years and over	4,788	3,840	25.6	8.6	76.3	40.6	25.7	6.4	1.83
Job losers ¹	3,173	2,260	31.7	10.5	75.7	45.4	25.9	7.0	1.96
Job leavers	489	473	18.9	6.4	78.6	39.0	23.5	5.9	1.72
Reentrants	834	816	18.2	6.9	73.9	32.3	28.9	5.8	1.66
New entrants	292	292	10.5	2.4	84.0	29.6	18.7	3.8	1.49
Women, 16 years and over	3,261	2,793	22.4	8.3	70.1	43.3	17.9	4.9	1.67
Job losers ¹	1,450	1,001	30.1	11.6	73.3	48.7	22.1	3.8	1.90
Job leavers	420	415	21.3	9.5	69.1	47.5	14.1	4.3	1.66
Reentrants	1,027	1,016	18.6	6.5	67.7	41.1	15.5	7.0	1.56
New entrants	364	362	13.2	3.1	68.9	29.9	17.6	2.6	1.35

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
All industries	117,359	116,678	63,993	63,258	53,366	53,420
16 to 19 years	6,072	5,361	3,145	2,662	2,927	2,699
16 to 17 years	2,215	1,927	1,144	961	1,070	966
18 to 19 years	3,858	3,434	2,001	1,701	1,857	1,733
20 to 24 years	12,375	12,130	6,485	6,341	5,890	5,788
25 to 54 years	84,026	84,371	45,910	45,831	38,116	38,540
25 to 34 years	33,951	33,067	18,748	18,077	15,203	14,989
35 to 44 years	30,432	31,179	16,509	16,809	13,923	14,371
45 to 54 years	19,644	20,125	10,653	10,946	8,991	9,180
55 to 64 years	11,346	11,246	6,433	6,391	4,913	4,855
55 to 59 years	6,759	6,718	3,785	3,767	2,973	2,951
60 to 64 years	4,587	4,528	2,648	2,624	1,939	1,904
65 years and over	3,540	3,570	2,019	2,032	1,521	1,537
Agriculture	3,102	3,110	2,423	2,483	679	627
16 to 19 years	208	199	160	171	48	29
16 to 17 years	97	79	74	69	23	11
18 to 19 years	111	120	86	102	25	18
20 to 24 years	328	293	278	245	51	48
25 to 54 years	1,887	1,937	1,454	1,508	434	430
25 to 34 years	803	785	629	639	174	147
35 to 44 years	621	693	460	515	161	177
45 to 54 years	464	460	365	354	99	106
55 to 64 years	421	428	313	327	108	100
55 to 59 years	229	205	161	154	68	52
60 to 64 years	192	222	151	174	41	48
65 years and over	258	253	219	232	39	21
Nonagricultural industries	114,257	113,568	61,570	60,775	52,687	52,793
16 to 19 years	5,865	5,162	2,986	2,491	2,879	2,670
16 to 17 years	2,118	1,847	1,070	892	1,047	955
18 to 19 years	3,747	3,314	1,915	1,599	1,832	1,715
20 to 24 years	12,046	11,837	6,207	6,096	5,839	5,740
25 to 54 years	82,139	82,434	44,456	44,324	37,683	38,111
25 to 34 years	33,148	32,281	18,119	17,438	15,029	14,843
35 to 44 years	29,811	30,487	16,049	16,293	13,762	14,194
45 to 54 years	19,180	19,666	10,288	10,592	8,892	9,074
55 to 64 years	10,925	10,819	6,121	6,064	4,805	4,755
55 to 59 years	6,530	6,513	3,624	3,614	2,906	2,899
60 to 64 years	4,396	4,306	2,497	2,450	1,899	1,856
65 years and over	3,282	3,317	1,800	1,800	1,482	1,517

**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	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
Total	117,359	116,678	63,993	63,258	60,848	60,596	53,366	53,420	50,439	50,721
Managerial and professional specialty	30,529	31,196	16,489	16,735	16,410	16,653	14,040	14,461	13,942	14,347
Executive, administrative, and managerial	14,716	15,109	8,777	9,008	8,736	8,973	5,939	6,101	5,900	6,051
Officials and administrators, public administration	567	606	359	327	359	327	208	279	208	279
Other executive, administrative, and managerial	10,201	10,411	6,446	6,611	6,405	6,579	3,755	3,800	3,719	3,762
Management-related occupations	3,948	4,091	1,971	2,070	1,972	2,067	1,977	2,021	1,973	2,010
Professional specialty	15,813	16,087	7,712	7,727	7,674	7,680	8,100	8,360	8,042	8,296
Engineers	1,799	1,866	1,634	1,723	1,634	1,723	165	143	165	143
Mathematical and computer scientists	841	921	571	591	569	590	270	331	271	331
Natural scientists	432	421	320	307	320	307	112	114	112	114
Health diagnosing occupations	871	856	719	691	718	691	152	165	152	165
Health assessment and treating occupations	2,388	2,332	346	319	346	319	2,042	2,013	2,043	2,012
Teachers, college and university	802	822	502	494	499	493	300	328	292	322
Teachers, except college and university	4,023	4,202	1,093	1,090	1,082	1,081	2,930	3,112	2,907	3,080
Lawyers and judges	728	752	578	600	578	600	150	152	150	152
Other professional specialty occupations	3,929	3,914	1,950	1,912	1,928	1,875	1,979	2,002	1,950	1,976
Technical, sales, and administrative support	36,904	36,442	13,056	12,813	12,397	12,205	23,848	23,629	22,246	22,123
Technicians and related support	3,920	3,737	1,983	1,892	1,953	1,870	1,937	1,845	1,907	1,816
Health technologists and technicians	1,324	1,315	216	209	216	204	1,107	1,106	1,089	1,097
Engineering and science technicians	1,245	1,272	977	1,016	955	999	268	256	259	244
Technicians, except health, engineering, and science	1,351	1,150	789	667	782	667	562	483	558	475
Sales occupations	14,092	14,040	7,210	7,201	6,794	6,814	6,882	6,839	5,848	5,927
Supervisors and proprietors	3,854	3,756	2,528	2,454	2,511	2,432	1,326	1,302	1,302	1,280
Sales representatives, finance and business services	2,423	2,378	1,404	1,389	1,384	1,374	1,020	989	993	972
Sales representatives, commodities, except retail	1,549	1,644	1,188	1,281	1,183	1,273	360	363	347	350
Sales workers, retail and personal services	6,207	6,185	2,069	2,056	1,696	1,714	4,139	4,129	3,172	3,272
Sales-related occupations	59	77	21	22	21	22	38	55	35	53
Administrative support, including clerical	18,893	18,665	3,864	3,720	3,650	3,521	15,029	14,945	14,491	14,380
Supervisors	749	831	307	366	307	366	442	465	440	463
Computer equipment operators	791	758	269	241	260	228	522	517	510	505
Secretaries, stenographers, and typists	4,738	4,428	82	62	75	58	4,656	4,367	4,493	4,280
Financial records processing	2,479	2,487	214	236	208	219	2,265	2,251	2,224	2,218
Mail and message distributing	976	890	627	568	593	538	350	322	337	298
Other administrative support, including clerical	9,160	9,270	2,365	2,246	2,207	2,113	6,795	7,023	6,487	6,616
Service occupations	15,651	15,787	6,292	6,352	5,369	5,567	9,359	9,436	8,392	8,554
Private household	716	709	32	48	27	36	684	660	587	560
Protective service	1,930	2,085	1,637	1,774	1,606	1,737	293	311	276	300
Service, except private household and protective	13,005	12,994	4,623	4,529	3,735	3,794	8,382	8,464	7,529	7,694
Food service	5,264	5,266	2,130	2,063	1,480	1,516	3,135	3,203	2,576	2,684
Health service	2,100	2,099	214	230	202	204	1,886	1,869	1,802	1,792
Cleaning and building service	3,164	3,080	1,795	1,779	1,618	1,657	1,369	1,301	1,307	1,246
Personal service	2,476	2,549	484	458	435	417	1,992	2,091	1,844	1,972
Precision production, craft, and repair	13,646	13,078	12,523	11,908	12,276	11,704	1,123	1,170	1,098	1,157
Mechanics and repairers	4,388	4,456	4,240	4,283	4,151	4,211	148	173	147	171
Construction trades	5,173	4,770	5,081	4,660	4,975	4,574	92	110	92	108
Other precision production, craft, and repair	4,086	3,851	3,202	2,964	3,149	2,920	884	887	859	878
Operators, fabricators, and laborers	17,411	16,839	12,929	12,612	11,892	11,820	4,483	4,227	4,297	4,063
Machine operators, assemblers, and inspectors	7,795	7,514	4,589	4,530	4,416	4,417	3,206	2,985	3,120	2,911
Manufacturing industries	6,357	6,156	3,718	3,697	3,590	3,618	2,640	2,460	2,580	2,413
Durable goods	3,517	3,322	2,402	2,309	2,327	2,272	1,115	1,013	1,086	1,002
Nondurable goods	2,840	2,834	1,315	1,387	1,263	1,346	1,525	1,447	1,494	1,411
Nonmanufacturing industries	1,437	1,358	871	833	825	799	566	525	540	497
Transportation and material moving occupations	4,772	4,877	4,333	4,431	4,209	4,333	439	446	424	444
Motor vehicle operators	3,593	3,686	3,198	3,281	3,097	3,192	395	405	380	402
Other transportation and material moving occupations	1,179	1,191	1,135	1,149	1,111	1,141	44	41	44	41
Handlers, equipment cleaners, helpers, and laborers	4,845	4,447	4,007	3,651	3,267	3,070	838	796	753	709
Construction laborers	740	621	721	599	666	569	19	22	16	22
Other handlers, equipment cleaners, helpers, and laborers	4,104	3,827	3,285	3,052	2,602	2,501	819	775	736	688
Farming, forestry, and fishing	3,217	3,336	2,704	2,839	2,504	2,647	514	497	465	477
Farm operators and managers	1,207	1,230	1,036	1,053	1,031	1,048	171	177	170	178
Other farming, forestry, and fishing occupations	2,010	2,107	1,667	1,787	1,473	1,599	343	320	294	300

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
TOTAL						
Total, 16 years and over (thousands)	117,359	116,678	63,993	63,258	53,366	53,420
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	26.0	26.7	25.8	26.5	26.3	27.1
Executive, administrative, and managerial	12.5	12.9	13.7	14.2	11.1	11.4
Professional specialty	13.5	13.8	12.1	12.2	15.2	15.7
Technical, sales, and administrative support	31.4	31.2	20.4	20.3	44.7	44.2
Technicians and related support	3.3	3.2	3.1	3.0	3.6	3.5
Sales occupations	12.0	12.0	11.3	11.4	12.9	12.8
Administrative support, including clerical	16.1	16.0	6.0	5.9	28.2	28.0
Service occupations	13.3	13.5	9.8	10.0	17.5	17.7
Private household .....	.6	.6	.1	.1	1.3	1.2
Protective service	1.6	1.8	2.6	2.8	.5	.6
Service, except private household and protective	11.1	11.1	7.2	7.2	15.7	15.8
Precision production, craft, and repair	11.6	11.2	19.6	18.8	2.1	2.2
Operators, fabricators, and laborers	14.8	14.4	20.2	19.9	8.4	7.9
Machine operators, assemblers, and inspectors	6.6	6.4	7.2	7.2	6.0	5.6
Transportation and material moving occupations	4.1	4.2	6.8	7.0	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.1	3.8	6.3	5.8	1.6	1.5
Farming, forestry, and fishing	2.7	2.9	4.2	4.5	1.0	.9
White						
Total, 16 years and over (thousands)	101,564	100,969	56,036	55,326	45,529	45,643
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	27.1	27.9	26.9	27.6	27.4	28.2
Executive, administrative, and managerial	13.2	13.6	14.5	15.0	11.6	11.9
Professional specialty	13.9	14.2	12.3	12.5	15.8	16.3
Technical, sales, and administrative support	31.8	31.6	20.7	20.5	45.5	45.1
Technicians and related support	3.3	3.2	3.1	2.9	3.5	3.5
Sales occupations	12.6	12.6	11.9	12.0	13.4	13.3
Administrative support, including clerical	15.9	15.8	5.7	5.5	28.5	28.3
Service occupations	12.1	12.3	8.9	9.0	16.1	16.3
Private household .....	.5	.5	-	.1	1.0	1.1
Protective service	1.5	1.6	2.4	2.6	.5	.5
Service, except private household and protective	10.1	10.1	6.4	6.3	14.7	14.7
Precision production, craft, and repair	12.1	11.5	20.2	19.3	2.0	2.1
Operators, fabricators, and laborers	14.0	13.7	18.9	19.0	8.0	7.3
Machine operators, assemblers, and inspectors	6.3	6.1	6.9	7.0	5.6	5.0
Transportation and material moving occupations	3.9	4.0	6.3	6.5	.8	.8
Handlers, equipment cleaners, helpers, and laborers	3.8	3.7	5.6	5.5	1.5	1.4
Farming, forestry, and fishing	2.9	3.0	4.5	4.7	1.1	1.0
Black						
Total, 16 years and over (thousands)	11,973	11,828	5,887	5,832	6,086	5,996
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	15.7	16.5	13.5	14.3	17.9	18.6
Executive, administrative, and managerial	7.1	7.4	6.9	7.3	7.3	7.5
Professional specialty	8.6	9.1	6.6	6.9	10.6	11.2
Technical, sales, and administrative support	28.2	28.4	15.9	17.1	40.1	39.3
Technicians and related support	3.1	2.8	2.4	2.4	3.8	3.2
Sales occupations	7.1	7.9	5.1	6.2	9.0	9.5
Administrative support, including clerical	18.0	17.7	8.3	8.5	27.4	26.6
Service occupations	22.9	23.1	18.0	18.4	27.6	27.5
Private household	1.8	1.3	.1	.1	3.5	2.4
Protective service	2.6	3.1	4.2	4.8	1.1	1.5
Service, except private household and protective	18.5	18.6	13.8	13.5	23.1	23.7
Precision production, craft, and repair	8.9	9.4	15.5	16.6	2.4	2.3
Operators, fabricators, and laborers	22.8	20.9	34.4	30.5	11.5	11.6
Machine operators, assemblers, and inspectors	9.4	8.8	10.1	9.1	8.6	8.6
Transportation and material moving occupations	6.2	6.6	11.7	12.3	.9	1.1
Handlers, equipment cleaners, helpers, and laborers	7.2	5.4	12.6	9.0	1.9	1.9
Farming, forestry, and fishing	1.5	1.8	2.6	3.1	.4	.6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	April 1991								
	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	104,112	887	18,209	85,016	9,227	229	1,600	1,418	92
16 to 19 years	5,098	131	295	4,673	57	6	161	20	18
16 to 17 years	1,810	96	53	1,661	33	5	62	6	11
18 to 19 years	3,289	35	242	3,011	24	1	99	13	7
20 to 24 years	11,546	96	1,074	10,376	278	12	237	51	5
25 to 34 years	30,193	129	4,374	25,690	2,041	48	488	290	7
35 to 44 years	27,630	159	5,851	21,621	2,799	57	346	335	12
45 to 54 years	17,544	120	4,043	13,381	2,072	50	186	253	20
55 to 64 years	9,507	153	2,072	7,281	1,280	32	127	283	18
55 to 59 years	5,778	86	1,290	4,401	720	15	65	130	11
60 to 64 years	3,729	67	782	2,880	560	17	62	153	7
65 years and over	2,593	99	499	1,995	701	23	54	186	13
Men, 16 years and over	54,802	141	8,395	46,267	5,951	21	1,252	1,194	37
16 to 19 years	2,453	30	128	2,294	34	4	135	20	16
16 to 17 years	870	25	29	816	19	3	54	7	8
18 to 19 years	1,583	6	99	1,478	15	1	81	13	8
20 to 24 years	5,909	19	488	5,402	182	5	200	41	4
25 to 34 years	16,171	24	2,000	14,147	1,261	7	387	249	3
35 to 44 years	14,490	34	2,625	11,831	1,803	-	247	266	2
45 to 54 years	9,254	15	1,863	7,375	1,338	-	138	214	2
55 to 64 years	5,206	10	1,046	4,150	855	3	98	228	1
55 to 59 years	3,148	6	630	2,513	466	-	49	104	-
60 to 64 years	2,058	4	416	1,638	389	3	48	124	1
65 years and over	1,319	7	244	1,067	478	3	48	176	8
Women, 16 years and over	49,310	746	9,815	38,749	3,276	207	348	224	56
16 to 19 years	2,646	100	167	2,378	23	2	26	-	3
16 to 17 years	940	71	24	845	13	2	8	-	3
18 to 19 years	1,706	29	144	1,533	9	-	19	-	-
20 to 24 years	5,637	76	586	4,975	96	7	37	10	1
25 to 34 years	14,022	104	2,374	11,543	780	41	101	41	4
35 to 44 years	13,140	125	3,226	9,790	996	57	99	69	9
45 to 54 years	8,290	105	2,179	6,006	734	50	48	40	18
55 to 64 years	4,301	143	1,026	3,131	425	29	30	55	16
55 to 59 years	2,630	80	661	1,889	255	15	15	25	11
60 to 64 years	1,671	63	366	1,242	170	14	14	29	5
65 years and over	1,274	92	255	927	223	20	6	9	5

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	April 1991												
	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	3,110	88	67	27	36	103	-	18	39	4	54	22	2,652
Mining	737	128	73	47	2	76	-	20	235	19	91	44	1
Construction	7,040	956	149	44	60	399	-	37	4,072	97	490	716	20
Manufacturing	20,315	2,603	1,717	795	740	2,301	-	372	3,746	6,156	778	1,024	83
Durable goods	11,866	1,515	1,146	565	313	1,274	-	203	2,570	3,322	406	485	68
Nondurable goods	8,449	1,089	570	230	428	1,027	-	169	1,176	2,834	372	539	15
Transportation and public utilities	8,137	910	469	299	332	2,173	-	257	1,326	118	1,788	452	13
Wholesale and retail trade	23,824	2,152	444	134	9,915	2,333	-	4,350	1,436	270	1,040	1,710	39
Wholesale trade	4,659	520	89	50	1,878	780	-	34	303	100	549	347	9
Retail trade	19,164	1,632	355	84	8,037	1,553	-	4,315	1,133	170	491	1,363	30
Finance, insurance, and real estate	7,867	2,078	225	149	1,911	2,995	-	228	162	21	10	30	59
Services	40,091	4,972	12,150	2,068	1,012	6,767	709	8,426	1,808	777	575	408	419
Private households	894	-	9	10	2	6	709	60	13	-	5	19	62
Other service industries	39,197	4,971	12,141	2,058	1,009	6,761	-	8,367	1,796	776	570	390	357
Professional services	26,315	2,718	10,808	1,666	148	4,991	-	4,858	381	227	343	90	85
Public administration	5,558	1,222	793	174	32	1,517	-	1,372	253	51	52	42	51

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					
	Apr. 1990	Apr. 1991	Total		Wage and salary workers ¹			
			Apr. 1990	Apr. 1991	Paid absences		Unpaid absences	
					Apr. 1990	Apr. 1991	Apr. 1990	Apr. 1991
Total, 16 years and over	6,497	4,458	6,415	4,354	3,573	2,024	2,315	1,767
Vacation	3,777	1,796	3,757	1,770	2,619	1,259	897	347
Illness	1,452	1,315	1,438	1,269	650	520	714	642
Bad weather	88	115	71	103	(²)	(²)	(²)	(²)
Industrial dispute	11	21	11	21	(²)	(²)	(²)	(²)
All other reasons	1,170	1,211	1,138	1,190	304	245	704	777
Men, 16 years and over	2,910	2,176	2,849	2,098	1,630	1,016	939	745
Vacation	1,669	908	1,654	885	1,204	658	332	130
Illness	702	655	695	622	323	273	337	294
All other reasons ³	539	613	499	591	103	85	270	321
Women, 16 years and over	3,588	2,282	3,566	2,257	1,944	1,009	1,375	1,023
Vacation	2,108	888	2,103	885	1,416	601	564	216
Illness	750	660	743	648	328	249	377	350
All other reasons ³	730	734	722	724	200	159	434	457

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.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Hours of work	April 1991					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	112,220	3,006	109,214	100.0	100.0	100.0
1 to 34 hours	27,022	830	26,192	24.1	27.6	24.0
1 to 4 hours	839	26	813	.7	.9	.7
5 to 14 hours	4,954	202	4,752	4.4	6.7	4.4
15 to 29 hours	13,792	416	13,376	12.3	13.8	12.2
30 to 34 hours	7,436	185	7,251	6.6	6.2	6.6
35 hours and over	85,198	2,176	83,022	75.9	72.4	76.0
35 to 39 hours	7,559	106	7,452	6.7	3.5	6.8
40 hours	45,093	723	44,370	40.2	24.1	40.6
41 hours and over	32,546	1,346	31,200	29.0	44.8	28.6
41 to 48 hours	11,480	200	11,280	10.2	6.7	10.3
49 to 59 hours	11,946	399	11,548	10.6	13.3	10.6
60 hours and over	9,120	748	8,371	8.1	24.9	7.7
Average hours, total at work	39.1	43.6	39.0	-	-	-
Average hours, workers on full-time schedules	43.8	50.5	43.6	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	April 1991					
	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	27,022	7,093	19,929	26,192	6,836	19,356
Economic reasons	5,817	2,132	3,685	5,587	2,042	3,544
Slack work	3,261	1,866	1,395	3,089	1,789	1,300
Material shortages or repairs to plant and equipment	61	61	-	56	56	-
New job started during week	136	136	-	127	127	-
Job terminated during week	70	70	-	71	71	-
Could find only part-time work	2,290	-	2,290	2,244	-	2,244
Other reasons	21,205	4,961	16,244	20,605	4,793	15,812
Does not want, or unavailable for, full-time work	13,722	-	13,722	13,383	-	13,383
Vacation	1,307	1,307	-	1,292	1,292	-
Illness	1,686	1,518	168	1,669	1,514	155
Bad weather	572	572	-	464	464	-
Industrial dispute	18	18	-	18	18	-
Legal or religious holiday	51	51	-	51	51	-
Full time for this job	1,688	-	1,688	1,656	-	1,656
All other reasons	2,162	1,496	666	2,073	1,455	618
Average hours:						
Economic reasons	22.3	24.4	21.1	22.4	24.6	21.2
Other reasons	20.7	25.7	19.1	20.7	25.8	19.2
Worked 30 to 34 hours:						
Economic reasons	1,975	985	990	1,913	957	956
Other reasons	5,462	2,585	2,877	5,338	2,531	2,807

**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	April 1991								
	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	109,214	5,587	15,812	87,815	56,615	11,280	19,919	39.0	43.6
Wage and salary workers	100,275	4,776	14,211	81,287	53,680	10,596	17,012	38.9	43.2
Mining	672	22	13	638	358	96	184	44.5	45.6
Construction	5,310	471	203	4,635	3,217	473	945	39.8	42.5
Manufacturing	19,168	661	626	17,881	11,721	2,848	3,312	41.8	43.1
Durable goods	11,181	319	273	10,588	6,940	1,677	1,972	42.1	43.1
Nondurable goods	7,988	342	353	7,292	4,782	1,170	1,340	41.3	43.0
Transportation and public utilities	7,472	269	448	6,755	4,171	1,045	1,538	41.9	44.1
Wholesale and retail trade	21,097	1,528	5,181	14,388	8,501	2,107	3,780	36.7	44.2
Finance, insurance, and real estate	6,901	97	618	6,186	4,293	704	1,188	40.2	42.5
Service industries	34,289	1,871	6,893	25,725	17,573	2,835	5,317	37.1	43.0
Private households	844	157	349	337	231	41	65	26.2	43.2
All other industries	33,445	1,514	6,543	25,387	17,342	2,794	5,251	37.4	43.0
Public administration	5,366	57	230	5,079	3,844	488	748	40.7	42.0
Self-employed workers	8,711	800	1,504	6,407	2,868	667	2,872	40.2	48.2
Unpaid family workers	229	11	97	121	68	18	35	34.3	44.5

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	April 1991							
	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	109,214	5,587	15,812	87,815	56,615	31,200	39.0	43.6
16 to 19 years	4,977	342	3,335	1,301	1,047	254	22.6	39.5
16 to 17 years	1,746	67	1,588	91	81	10	16.0	33.7
18 to 19 years	3,231	275	1,746	1,210	966	244	26.2	39.9
20 years and over	104,236	5,245	12,477	86,515	55,568	30,946	39.7	43.6
20 to 24 years	11,509	949	2,412	8,148	5,864	2,284	35.7	42.1
25 years and over	92,728	4,296	10,065	78,367	49,704	28,663	40.3	43.8
25 to 44 years	60,523	2,880	5,565	52,078	32,576	19,502	40.7	43.9
45 to 64 years	29,119	1,234	3,003	24,882	16,163	8,719	40.4	43.7
65 years and over	3,085	182	1,498	1,406	965	440	28.9	43.0
Men, 16 years and over	58,678	2,804	4,569	51,304	29,544	21,760	41.8	45.0
16 to 19 years	2,415	175	1,516	723	569	154	24.0	40.2
16 to 17 years	861	26	778	57	52	5	16.5	(¹)
18 to 19 years	1,554	149	739	666	517	149	28.2	40.7
20 years and over	56,263	2,629	3,053	50,581	28,974	21,606	42.6	45.1
20 to 24 years	5,954	520	1,024	4,409	2,961	1,448	37.2	43.0
25 years and over	50,309	2,109	2,028	46,172	26,014	20,158	43.2	45.3
25 to 44 years	32,689	1,459	745	30,485	16,774	13,711	43.8	45.4
45 to 64 years	15,932	565	548	14,819	8,696	6,123	43.4	45.0
65 years and over	1,688	86	735	867	543	325	30.9	44.1
Women, 16 years and over	50,536	2,782	11,243	36,511	27,072	9,439	35.6	41.6
16 to 19 years	2,563	167	1,818	578	478	100	21.3	38.6
16 to 17 years	885	40	811	34	29	5	15.5	(¹)
18 to 19 years	1,678	127	1,007	544	449	95	24.4	39.0
20 years and over	47,973	2,615	9,424	35,934	26,594	9,340	36.4	41.7
20 to 24 years	5,555	428	1,388	3,739	2,903	836	34.1	41.0
25 years and over	42,418	2,187	8,037	32,195	23,691	8,504	36.7	41.7
25 to 44 years	27,835	1,420	4,819	21,596	15,805	5,791	37.1	41.7
45 to 64 years	13,187	671	2,455	10,061	7,464	2,597	36.9	41.8
65 years and over	1,397	96	762	538	423	116	26.4	41.1
RACE								
White, 16 years and over	94,379	4,646	14,204	75,529	47,234	28,295	39.0	43.8
Men	51,229	2,351	4,055	44,824	24,979	19,844	42.1	45.2
Women	43,150	2,296	10,149	30,705	22,255	8,450	35.5	41.8
Black, 16 years and over	11,153	781	1,108	9,264	7,264	2,000	38.2	41.7
Men	5,460	387	346	4,728	3,437	1,291	39.9	42.8
Women	5,693	395	762	4,536	3,827	709	36.6	40.6
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	37,411	1,250	1,444	34,718	19,085	15,634	43.7	45.5
Widowed, divorced, or separated	6,351	430	274	5,646	3,290	2,356	42.3	45.0
Single (never married)	14,915	1,125	2,851	10,939	7,169	3,770	37.0	43.4
Women, 16 years and over:								
Married, spouse present	28,228	1,349	6,485	20,394	15,292	5,102	35.6	41.4
Widowed, divorced, or separated	9,877	613	1,355	7,908	5,725	2,184	38.0	42.1
Single (never married)	12,432	820	3,403	8,209	6,055	2,154	33.8	41.6

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	April 1991								
	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	109,002	5,549	15,822	87,630	56,353	11,291	19,986	39.0	43.6
Managerial and professional specialty	30,025	633	2,856	26,536	14,550	3,548	8,437	42.4	45.4
Executive, administrative, and managerial	14,609	245	790	13,574	6,774	1,895	4,904	44.5	46.3
Professional specialty	15,416	388	2,065	12,962	7,776	1,653	3,533	40.4	44.4
Technical, sales, and administrative support	35,123	1,370	6,645	27,109	18,434	3,374	5,301	37.6	42.8
Technicians and related support	3,589	76	406	3,107	2,128	463	516	39.5	42.3
Sales occupations	13,539	717	2,964	9,858	5,090	1,360	3,408	38.8	45.8
Administrative support, including clerical	17,996	577	3,275	14,144	11,217	1,551	1,376	36.4	40.8
Service occupations	15,168	1,422	4,382	9,364	6,866	904	1,594	33.6	42.4
Private household	676	106	301	269	180	39	50	26.3	43.5
Protective service	1,984	54	186	1,744	1,051	219	474	42.2	45.5
Service, except private household and protective	12,508	1,262	3,895	7,351	5,635	646	1,069	32.6	41.6
Precision production, craft, and repair	12,539	869	451	11,219	7,410	1,562	2,247	40.8	43.1
Operators, fabricators, and laborers	16,147	1,255	1,489	13,403	9,092	1,903	2,408	39.4	43.1
Machine operators, assemblers, and inspectors	7,253	448	319	6,486	4,743	944	799	40.2	42.1
Transportation and material moving occupations	4,608	346	379	3,883	2,131	568	1,184	41.9	45.8
Handlers, equipment cleaners, helpers, and laborers	4,286	462	791	3,034	2,217	391	425	35.5	41.8
Men, 16 years and over ¹	58,339	2,770	4,537	51,032	29,226	7,053	14,753	41.9	45.0
Managerial and professional specialty	16,213	275	753	15,185	7,085	2,006	6,094	45.4	47.2
Executive, administrative, and managerial	8,722	125	269	8,328	3,545	1,148	3,636	46.5	47.8
Professional specialty	7,490	150	484	6,857	3,541	858	2,458	44.1	46.5
Technical, sales, and administrative support	12,471	338	1,307	10,826	5,709	1,635	3,482	42.2	45.6
Technicians and related support	1,829	36	105	1,688	1,054	287	347	41.4	43.2
Sales occupations	7,031	189	760	6,082	2,567	866	2,649	44.0	47.7
Administrative support, including clerical	3,612	113	443	3,056	2,087	482	486	39.0	42.6
Service occupations	6,133	474	1,193	4,466	3,098	466	902	36.9	43.5
Private household	48	8	22	19	12	1	6	(²)	(²)
Protective service	1,694	44	134	1,516	884	190	442	43.1	45.9
Service, except private household and protective	4,391	422	1,037	2,931	2,202	275	454	34.7	42.3
Precision production, craft, and repair	11,412	796	316	10,300	6,713	1,446	2,141	41.1	43.2
Operators, fabricators, and laborers	12,110	887	968	10,255	6,621	1,499	2,134	40.2	43.7
Machine operators, assemblers, and inspectors	4,390	206	109	4,074	2,808	645	620	41.5	42.9
Transportation and material moving occupations	4,202	291	239	3,672	1,999	539	1,134	42.7	45.8
Handlers, equipment cleaners, helpers, and laborers	3,518	389	620	2,508	1,814	315	379	35.7	42.0
Women, 16 years and over ¹	50,663	2,780	11,285	36,598	27,127	4,238	5,233	35.6	41.6
Managerial and professional specialty	13,812	358	2,103	11,351	7,465	1,542	2,343	38.8	42.9
Executive, administrative, and managerial	5,887	120	521	5,245	3,229	747	1,268	41.4	43.8
Professional specialty	7,925	238	1,582	6,105	4,236	795	1,075	36.8	42.1
Technical, sales, and administrative support	22,652	1,032	5,337	16,283	12,726	1,738	1,818	35.1	41.0
Technicians and related support	1,761	40	301	1,419	1,074	176	169	37.5	41.2
Sales occupations	6,508	528	2,204	3,775	2,523	493	760	33.1	42.7
Administrative support, including clerical	14,384	464	2,832	11,088	9,129	1,069	890	35.7	40.3
Service occupations	9,035	948	3,190	4,897	3,768	437	691	31.3	41.3
Private household	627	98	280	250	168	37	45	26.3	43.1
Protective service	290	10	52	228	168	29	31	36.8	42.5
Service, except private household and protective	8,117	840	2,858	4,419	3,433	371	615	31.4	41.2
Precision production, craft, and repair	1,127	73	135	919	697	115	106	37.4	41.2
Operators, fabricators, and laborers	4,037	366	520	3,149	2,470	404	274	37.0	41.0
Machine operators, assemblers, and inspectors	2,863	241	209	2,412	1,935	299	179	38.2	40.7
Transportation and material moving occupations	406	55	140	211	132	29	50	33.6	44.6
Handlers, equipment cleaners, helpers, and laborers	768	72	170	525	403	76	46	34.4	40.8

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	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL													
Noninstitutional population ¹	189,326	189,467	189,607	189,763	189,901	190,002	190,095	190,312	190,483	190,592	190,717	190,703	190,836
Labor force ¹	126,438	126,578	126,427	126,336	126,345	126,571	126,445	126,338	126,791	126,253	126,678	126,786	127,128
Percent of population ²	66.8	66.8	66.7	66.6	66.5	66.6	66.5	66.4	66.6	66.2	66.4	66.5	66.6
Total employed ¹	119,747	119,916	119,867	119,509	119,330	119,484	119,303	119,001	119,191	118,537	118,520	118,214	118,854
Employment-population ratio ³	63.2	63.3	63.2	63.0	62.8	62.9	62.8	62.5	62.6	62.2	62.1	62.0	62.3
Resident Armed Forces	1,657	1,639	1,630	1,627	1,640	1,601	1,570	1,615	1,617	1,615	1,602	1,460	1,456
Civilian employed	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922	116,918	116,754	117,398
Agriculture	3,140	3,286	3,279	3,108	3,152	3,194	3,175	3,185	3,253	3,163	3,222	3,098	3,156
Nonagricultural industries	114,950	114,991	114,958	114,774	114,538	114,689	114,558	114,201	114,321	113,759	113,696	113,656	114,243
Unemployed	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715	8,158	8,572	8,274
Unemployment rate ⁴	5.3	5.3	5.2	5.4	5.6	5.6	5.6	5.8	6.0	6.1	6.4	6.8	6.5
Not in labor force	62,888	62,889	63,180	63,427	63,556	63,431	63,650	63,974	63,692	64,339	64,039	63,917	63,708
Men													
Noninstitutional population ¹	90,942	91,014	91,087	91,168	91,240	91,271	91,299	91,440	91,537	91,590	91,650	91,587	91,652
Labor force ¹	69,697	69,729	69,609	69,523	69,552	69,814	69,804	69,899	70,058	69,543	69,749	69,808	69,855
Percent of population ²	76.6	76.6	76.4	76.3	76.2	76.5	76.5	76.4	76.5	75.9	76.1	76.2	76.2
Total employed ¹	66,035	66,061	65,964	65,728	65,663	65,853	65,822	65,790	65,781	65,251	65,043	64,846	65,112
Employment-population ratio ³	72.6	72.6	72.4	72.1	72.0	72.2	72.1	71.9	71.9	71.2	71.0	70.8	71.0
Resident Armed Forces	1,499	1,472	1,465	1,462	1,475	1,441	1,414	1,453	1,454	1,453	1,439	1,314	1,310
Civilian employed	64,536	64,589	64,499	64,266	64,188	64,412	64,408	64,337	64,327	63,798	63,604	63,532	63,802
Unemployed	3,662	3,668	3,645	3,795	3,889	3,961	3,982	4,109	4,277	4,292	4,706	4,962	4,743
Unemployment rate ⁴	5.3	5.3	5.2	5.5	5.6	5.7	5.7	5.9	6.1	6.2	6.7	7.1	6.8
Not in labor force	21,245	21,285	21,478	21,645	21,688	21,457	21,495	21,541	21,479	22,047	21,901	21,779	21,797
Women													
Noninstitutional population ¹	98,383	98,453	98,520	98,595	98,661	98,731	98,796	98,872	98,946	99,002	99,067	99,116	99,184
Labor force ¹	56,741	56,849	56,818	56,813	56,793	56,757	56,641	56,439	56,733	56,710	56,929	56,978	57,273
Percent of population ²	57.7	57.7	57.7	57.6	57.6	57.5	57.3	57.1	57.3	57.3	57.5	57.5	57.7
Total employed ¹	53,712	53,855	53,903	53,781	53,667	53,631	53,481	53,211	53,410	53,287	53,477	53,368	53,742
Employment-population ratio ³	54.6	54.7	54.7	54.5	54.4	54.3	54.1	53.8	54.0	53.8	54.0	53.8	54.2
Resident Armed Forces	158	167	165	165	165	160	156	162	163	162	163	146	146
Civilian employed	53,554	53,688	53,738	53,616	53,502	53,471	53,325	53,049	53,247	53,125	53,314	53,222	53,596
Unemployed	3,029	2,994	2,915	3,032	3,126	3,126	3,160	3,228	3,323	3,423	3,452	3,610	3,531
Unemployment rate ⁴	5.3	5.3	5.1	5.3	5.5	5.5	5.6	5.7	5.9	6.0	6.1	6.3	6.2
Not in labor force	41,642	41,604	41,702	41,782	41,868	41,974	42,155	42,433	42,213	42,292	42,138	42,138	41,911

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	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL													
Civilian noninstitutional population ¹	187,669	187,828	187,977	188,136	188,261	188,401	188,525	188,697	188,866	188,977	189,115	189,243	189,380
Civilian labor force	124,781	124,939	124,797	124,709	124,705	124,970	124,875	124,723	125,174	124,638	125,076	125,326	125,672
Percent of population	66.5	66.5	66.4	66.3	66.2	66.3	66.2	66.1	66.3	66.0	66.1	66.2	66.4
Employed	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922	116,918	116,754	117,398
Employment-population ratio ²	62.9	63.0	62.9	62.7	62.5	62.6	62.4	62.2	62.3	61.9	61.8	61.7	62.0
Unemployed	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715	8,158	8,572	8,274
Unemployment rate	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2	6.5	6.8	6.6
Men, 16 years and over													
Civilian noninstitutional population ¹	89,443	89,542	89,622	89,706	89,765	89,830	89,885	89,987	90,083	90,137	90,211	90,273	90,342
Civilian labor force	68,198	68,257	68,144	68,061	68,077	68,373	68,390	68,446	68,604	68,090	68,310	68,494	68,545
Percent of population	76.2	76.2	76.0	75.9	75.8	76.1	76.1	76.1	76.2	75.5	75.7	75.9	75.9
Employed	64,536	64,589	64,499	64,266	64,188	64,412	64,408	64,337	64,327	63,798	63,604	63,532	63,802
Employment-population ratio ²	72.2	72.1	72.0	71.6	71.5	71.7	71.7	71.5	71.4	70.8	70.5	70.4	70.6
Agriculture	2,435	2,562	2,571	2,478	2,477	2,512	2,504	2,518	2,572	2,466	2,520	2,456	2,504
Nonagricultural industries	62,101	62,027	61,928	61,788	61,711	61,900	61,904	61,819	61,755	61,331	61,084	61,076	61,298
Unemployed	3,662	3,668	3,645	3,795	3,889	3,961	3,982	4,109	4,277	4,292	4,706	4,962	4,743
Unemployment rate	5.4	5.4	5.3	5.6	5.7	5.8	5.8	6.0	6.2	6.3	6.9	7.2	6.9
Not in labor force	21,245	21,285	21,478	21,645	21,888	21,457	21,495	21,541	21,479	22,047	21,901	21,779	21,797
Men, 20 years and over													
Civilian noninstitutional population ¹	82,487	82,581	82,676	82,790	82,862	82,940	83,013	83,092	83,208	83,271	83,392	83,466	83,567
Civilian labor force	64,188	64,313	64,342	64,331	64,419	64,572	64,594	64,682	64,803	64,345	64,577	64,735	64,957
Percent of population	77.8	77.9	77.8	77.7	77.7	77.9	77.8	77.8	77.9	77.3	77.4	77.6	77.7
Employed	61,152	61,276	61,294	61,162	61,174	61,248	61,245	61,217	61,188	60,734	60,533	60,551	60,905
Employment-population ratio ²	74.1	74.2	74.1	73.9	73.8	73.8	73.8	73.7	73.5	72.9	72.6	72.5	72.9
Agriculture	2,272	2,374	2,369	2,279	2,266	2,299	2,283	2,307	2,365	2,289	2,315	2,255	2,328
Nonagricultural industries	58,880	58,902	58,925	58,883	58,908	58,949	58,962	58,910	58,823	58,445	58,217	58,296	58,577
Unemployed	3,036	3,037	3,048	3,169	3,245	3,324	3,349	3,465	3,615	3,611	4,044	4,184	4,052
Unemployment rate	4.7	4.7	4.7	4.9	5.0	5.1	5.2	5.4	5.6	5.6	6.3	6.5	6.2
Not in labor force	18,299	18,268	18,334	18,459	18,443	18,368	18,419	18,410	18,405	18,926	18,815	18,731	18,610
Women, 16 years and over													
Civilian noninstitutional population ¹	98,225	98,286	98,355	98,430	98,496	98,571	98,640	98,710	98,783	98,840	98,904	98,970	99,038
Civilian labor force	56,583	56,682	56,653	56,648	56,628	56,597	56,485	56,277	56,570	56,548	56,766	56,832	57,127
Percent of population	57.6	57.7	57.6	57.6	57.5	57.4	57.3	57.0	57.3	57.2	57.4	57.4	57.7
Employed	53,554	53,688	53,738	53,616	53,502	53,471	53,325	53,049	53,247	53,125	53,314	53,222	53,596
Employment-population ratio ²	54.5	54.6	54.6	54.5	54.3	54.2	54.1	53.7	53.9	53.7	53.9	53.8	54.1
Agriculture	705	724	708	630	675	682	671	667	681	697	703	642	651
Nonagricultural industries	52,849	52,964	53,030	52,986	52,827	52,789	52,654	52,382	52,566	52,428	52,611	52,580	52,945
Unemployed	3,029	2,994	2,915	3,032	3,126	3,126	3,160	3,228	3,323	3,423	3,452	3,610	3,531
Unemployment rate	5.4	5.3	5.1	5.4	5.5	5.5	5.6	5.7	5.9	6.1	6.1	6.4	6.2
Not in labor force	41,642	41,604	41,702	41,782	41,868	41,974	42,155	42,433	42,213	42,292	42,138	42,138	41,911
Women, 20 years and over													
Civilian noninstitutional population ¹	91,330	91,414	91,495	91,581	91,688	91,765	91,857	91,963	92,042	92,139	92,198	92,273	92,358
Civilian labor force	52,943	53,075	53,107	53,155	53,255	53,129	53,047	52,896	53,182	53,097	53,284	53,359	53,634
Percent of population	58.0	58.1	58.0	58.0	58.1	57.9	57.7	57.5	57.8	57.6	57.8	57.8	58.1
Employed	50,424	50,613	50,675	50,637	50,649	50,504	50,423	50,196	50,389	50,300	50,404	50,323	50,695
Employment-population ratio ²	55.2	55.4	55.4	55.3	55.2	55.0	54.9	54.6	54.7	54.6	54.7	54.5	54.9
Agriculture	658	664	661	586	634	633	628	627	647	664	675	607	623
Nonagricultural industries	49,766	49,949	50,014	50,051	50,015	49,871	49,795	49,569	49,742	49,636	49,728	49,716	50,072
Unemployed	2,519	2,462	2,432	2,518	2,606	2,625	2,624	2,700	2,793	2,797	2,881	3,035	2,939
Unemployment rate	4.8	4.6	4.6	4.7	4.9	4.9	4.9	5.1	5.3	5.3	5.4	5.7	5.5
Not in labor force	38,387	38,339	38,388	38,426	38,433	38,636	38,810	39,067	38,860	39,042	38,914	38,914	38,724
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	13,852	13,832	13,806	13,764	13,711	13,696	13,655	13,642	13,616	13,567	13,525	13,504	13,455
Civilian labor force	7,650	7,551	7,348	7,223	7,031	7,269	7,234	7,145	7,189	7,196	7,215	7,232	7,081
Percent of population	55.2	54.6	53.2	52.5	51.3	53.1	53.0	52.4	52.8	53.0	53.3	53.6	52.6
Employed	6,514	6,388	6,268	6,083	5,867	6,131	6,065	5,973	5,997	5,889	5,982	5,879	5,798
Employment-population ratio ²	47.0	46.2	45.4	44.2	42.8	44.8	44.4	43.8	44.0	43.4	44.2	43.5	43.1
Agriculture	210	248	249	243	252	262	264	251	241	211	232	235	204
Nonagricultural industries	6,304	6,140	6,019	5,840	5,615	5,869	5,801	5,722	5,756	5,678	5,750	5,644	5,594
Unemployed	1,136	1,163	1,080	1,140	1,164	1,138	1,169	1,172	1,192	1,307	1,233	1,353	1,283
Unemployment rate	14.8	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2	17.1	18.7	18.1
Not in labor force	6,202	6,281	6,458	6,541	6,680	6,427	6,421	6,497	6,427	6,371	6,310	6,272	6,374

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
WHITE													
Civilian noninstitutional population ¹	160,170	160,271	160,365	160,468	160,550	160,640	160,717	160,831	160,942	161,007	161,097	161,179	161,264
Civilian labor force	107,090	107,223	107,184	107,196	107,166	107,391	107,277	107,048	107,517	106,962	107,432	107,488	107,678
Percent of population	66.9	66.9	66.8	66.8	66.7	66.9	66.7	66.6	66.8	66.4	66.7	66.7	66.8
Employed	102,088	102,293	102,332	102,189	101,996	102,192	102,017	101,648	101,843	101,104	101,141	100,870	101,455
Employment-population ratio ²	63.7	63.8	63.8	63.7	63.5	63.6	63.5	63.2	63.3	62.8	62.8	62.6	62.9
Unemployed	5,002	4,930	4,852	5,007	5,170	5,199	5,260	5,400	5,674	5,858	6,291	6,617	6,223
Unemployment rate	4.7	4.6	4.5	4.7	4.8	4.8	4.9	5.0	5.3	5.5	5.9	6.2	5.8
Men, 20 years and over													
Civilian labor force	55,816	55,872	55,890	55,909	56,040	56,119	56,123	56,174	56,307	55,836	56,000	56,151	56,310
Percent of population	78.3	78.3	78.2	78.2	78.3	78.3	78.3	78.3	78.3	77.6	77.8	77.9	78.1
Employed	53,495	53,593	53,611	53,566	53,601	53,675	53,615	53,564	53,497	53,010	52,801	52,828	53,179
Employment-population ratio ²	75.0	75.1	75.0	74.9	74.9	74.9	74.8	74.6	74.4	73.7	73.3	73.3	73.7
Unemployed	2,321	2,279	2,279	2,343	2,439	2,444	2,508	2,610	2,810	2,826	3,198	3,323	3,131
Unemployment rate	4.2	4.1	4.1	4.2	4.4	4.4	4.5	4.6	5.0	5.1	5.7	5.9	5.6
Women, 20 years and over													
Civilian labor force	44,733	44,861	44,982	45,039	45,060	44,984	44,918	44,711	44,995	44,888	45,211	45,186	45,304
Percent of population	57.6	57.7	57.8	57.8	57.8	57.7	57.6	57.2	57.6	57.4	57.8	57.7	57.8
Employed	42,911	43,086	43,200	43,229	43,194	43,101	43,032	42,768	43,001	42,841	43,019	42,892	43,169
Employment-population ratio ²	55.2	55.4	55.5	55.5	55.4	55.3	55.1	54.8	55.0	54.8	55.0	54.8	55.1
Unemployed	1,822	1,775	1,782	1,810	1,866	1,883	1,886	1,943	1,994	2,047	2,192	2,294	2,136
Unemployment rate	4.1	4.0	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.6	4.8	5.1	4.7
Both sexes, 16 to 19 years													
Civilian labor force	6,541	6,490	6,312	6,248	6,066	6,288	6,236	6,163	6,215	6,238	6,222	6,151	6,064
Percent of population	58.6	58.2	56.8	56.4	54.9	57.1	56.9	56.3	57.0	57.4	57.5	57.1	56.4
Employed	5,682	5,614	5,521	5,394	5,201	5,416	5,370	5,316	5,345	5,253	5,321	5,150	5,108
Employment-population ratio ²	50.9	50.4	49.7	48.7	47.1	49.2	49.0	48.6	49.0	48.3	49.2	47.8	47.5
Unemployed	859	876	791	854	865	872	866	847	870	985	901	1,001	956
Unemployment rate	13.1	13.5	12.5	13.7	14.3	13.9	13.9	13.7	14.0	15.8	14.5	16.3	15.8
Men	13.8	14.1	13.4	14.9	15.4	15.0	14.7	14.9	14.9	15.8	15.4	18.6	16.9
Women	12.3	12.9	11.6	12.4	13.1	12.6	13.0	12.5	13.0	15.8	13.4	13.7	14.7
BLACK													
Civilian noninstitutional population ¹	21,228	21,261	21,289	21,318	21,337	21,361	21,383	21,417	21,448	21,470	21,493	21,516	21,541
Civilian labor force	13,534	13,570	13,488	13,406	13,401	13,476	13,493	13,550	13,486	13,501	13,421	13,610	13,670
Percent of population	63.8	63.8	63.4	62.9	62.8	63.1	63.1	63.3	62.9	62.9	62.4	63.3	63.5
Employed	12,098	12,128	12,044	11,884	11,838	11,869	11,913	11,897	11,836	11,866	11,839	11,934	11,948
Employment-population ratio ²	57.0	57.0	56.6	55.7	55.5	55.6	55.7	55.5	55.2	55.3	55.1	55.5	55.5
Unemployed	1,436	1,442	1,444	1,522	1,563	1,607	1,580	1,653	1,650	1,635	1,582	1,675	1,722
Unemployment rate	10.6	10.6	10.7	11.4	11.7	11.9	11.7	12.2	12.2	12.1	11.8	12.3	12.6
Men, 20 years and over													
Civilian labor force	6,233	6,247	6,298	6,292	6,260	6,324	6,339	6,348	6,359	6,313	6,366	6,395	6,416
Percent of population	73.6	73.6	74.1	73.9	73.4	74.1	74.1	74.3	74.1	73.5	73.9	74.1	74.2
Employed	5,628	5,653	5,688	5,618	5,594	5,597	5,635	5,638	5,664	5,602	5,649	5,672	5,647
Employment-population ratio ²	66.5	66.6	66.9	65.9	65.6	65.5	65.9	66.0	66.0	65.2	65.6	65.7	65.3
Unemployed	605	594	610	674	666	727	704	710	695	712	717	723	769
Unemployment rate	9.7	9.5	9.7	10.7	10.6	11.5	11.1	11.2	10.9	11.3	11.3	11.3	12.0
Women, 20 years and over													
Civilian labor force	6,434	6,486	6,377	6,336	6,358	6,362	6,345	6,365	6,339	6,374	6,286	6,388	6,476
Percent of population	60.6	61.1	59.9	59.5	59.6	59.5	59.3	59.4	59.0	59.3	58.4	59.2	60.0
Employed	5,843	5,888	5,797	5,738	5,733	5,716	5,728	5,717	5,668	5,738	5,694	5,755	5,812
Employment-population ratio ²	55.1	55.4	54.5	53.9	53.7	53.5	53.5	53.3	52.8	53.4	52.9	53.4	53.8
Unemployed	591	598	580	598	625	646	617	648	671	636	593	633	664
Unemployment rate	9.2	9.2	9.1	9.4	9.8	10.2	9.7	10.2	10.6	10.0	9.4	9.9	10.3

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	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	867	837	813	778	783	790	809	837	788	814	769	826	779
Percent of population	40.3	38.9	37.9	36.3	36.6	37.0	38.0	38.9	36.9	38.4	36.4	39.2	37.1
Employed	627	587	559	528	511	556	550	542	504	526	497	507	490
Employment-population ratio ²	29.1	27.3	26.0	24.6	23.9	26.0	25.8	25.2	23.6	24.8	23.5	24.1	23.3
Unemployed	240	250	254	250	272	234	259	295	284	288	272	319	289
Unemployment rate	27.7	29.9	31.2	32.1	34.7	29.6	32.0	35.2	36.0	35.4	35.4	38.6	37.1
Men	28.9	31.6	35.2	33.1	36.7	31.4	31.3	33.2	36.4	34.6	35.5	38.4	38.4
Women	26.4	28.1	27.1	31.1	32.7	27.6	32.7	37.5	35.6	36.1	35.2	38.9	35.7
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	14,198	14,238	14,277	14,317	14,356	14,396	14,435	14,474	14,514	14,553	14,593	14,632	14,672
Civilian labor force	9,600	9,627	9,618	9,638	9,665	9,632	9,580	9,500	9,569	9,675	9,578	9,696	9,739
Percent of population	67.6	67.6	67.4	67.3	67.3	66.9	66.4	65.6	65.9	66.5	65.6	66.3	66.4
Employed	8,843	8,883	8,919	8,875	8,904	8,809	8,793	8,683	8,676	8,779	8,664	8,700	8,859
Employment-population ratio ²	62.3	62.4	62.5	62.0	62.0	61.2	60.9	60.0	59.8	60.3	59.4	59.5	60.4
Unemployed	757	744	699	763	761	823	787	817	893	896	914	997	880
Unemployment rate	7.9	7.7	7.3	7.9	7.9	8.5	8.2	8.6	9.3	9.3	9.5	10.3	9.0

¹ The population figures are not adjusted for seasonal variation.

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Category	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
CHARACTERISTIC													
Total	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922	116,918	116,754	117,398
Married men, spouse present	40,769	40,854	40,626	40,601	40,661	40,833	40,833	40,844	40,728	40,316	40,482	40,296	40,502
Married women, spouse present	29,742	29,987	29,828	29,862	29,869	29,797	29,789	29,713	29,776	29,599	29,680	29,514	29,762
Women who maintain families	6,348	6,390	6,432	6,376	6,372	6,376	6,354	6,341	6,367	6,386	6,384	6,470	6,371
OCCUPATION													
Managerial and professional specialty	30,318	30,490	30,735	30,758	30,913	30,572	30,714	30,732	30,777	30,699	31,093	30,764	30,990
Technical, sales, and administrative support	37,010	37,335	36,678	36,499	36,009	36,541	36,447	36,380	36,242	36,360	36,100	36,265	36,515
Service occupations	15,736	15,693	15,894	15,917	15,847	15,889	15,880	15,861	15,904	15,746	15,773	15,948	15,882
Precision production, craft, and repair	13,761	13,707	13,595	13,697	13,566	13,604	13,547	13,428	13,524	13,399	13,333	13,212	13,197
Operators, fabricators, and laborers	17,729	17,762	17,838	17,698	17,852	17,814	17,858	17,752	17,695	17,227	16,997	17,051	17,150
Farming, forestry, and fishing	3,328	3,423	3,513	3,384	3,448	3,449	3,376	3,360	3,436	3,437	3,499	3,387	3,464
INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,647	1,693	1,685	1,665	1,705	1,752	1,714	1,681	1,671	1,603	1,629	1,556	1,660
Self-employed workers	1,430	1,463	1,479	1,382	1,364	1,293	1,350	1,386	1,473	1,396	1,448	1,412	1,450
Unpaid family workers	112	104	107	100	97	108	99	116	102	157	168	134	95
Nonagricultural industries:													
Wage and salary workers	105,897	106,176	105,893	105,783	105,627	105,686	105,384	105,267	105,095	104,698	104,569	104,455	104,697
Government	17,800	18,050	17,832	17,785	17,798	17,597	17,694	17,633	17,640	17,680	17,792	17,829	18,064
Private industries	88,097	88,126	88,061	87,998	87,829	88,089	87,690	87,634	87,455	87,018	86,777	86,626	86,633
Private households	984	964	1,039	1,003	1,021	1,067	1,017	992	1,013	967	953	980	943
Other industries	87,113	87,162	87,022	86,995	86,808	87,022	86,673	86,642	86,442	86,051	85,824	85,646	85,690
Self-employed workers	8,713	8,765	8,756	8,725	8,646	8,809	8,859	8,800	8,896	8,738	8,876	8,926	9,209
Unpaid family workers	255	244	239	258	236	238	250	255	238	232	239	224	213
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	4,853	4,859	5,022	5,001	5,092	5,301	5,409	5,438	5,581	5,510	6,062	6,163	6,162
Slack work	2,406	2,443	2,501	2,570	2,491	2,658	2,663	2,786	2,928	2,908	3,252	3,303	3,383
Could only find part-time work	2,140	2,095	2,207	2,120	2,153	2,408	2,344	2,340	2,302	2,214	2,401	2,494	2,462
Voluntary part time	15,256	15,557	15,190	15,263	15,317	15,250	15,129	15,048	15,081	14,833	14,971	14,819	15,027
Nonagricultural industries:													
Part time for economic reasons	4,680	4,689	4,745	4,780	4,830	5,051	5,135	5,163	5,262	5,178	5,803	5,889	5,956
Slack work	2,246	2,306	2,297	2,399	2,290	2,482	2,467	2,625	2,742	2,692	3,067	3,107	3,181
Could only find part-time work	2,093	2,045	2,136	2,102	2,084	2,333	2,281	2,262	2,218	2,133	2,349	2,404	2,403
Voluntary part time	14,841	15,002	14,668	14,853	14,861	14,823	14,715	14,658	14,650	14,461	14,528	14,452	14,641

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	1990										1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
Total, 16 years and over	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922	116,918	116,754	117,398	
16 to 24 years	19,163	19,061	18,934	18,732	18,439	18,684	18,577	18,518	18,572	18,442	18,274	18,186	18,192	
16 to 19 years	6,514	6,388	6,268	6,083	5,867	6,131	6,065	5,973	5,997	5,889	5,982	5,879	5,798	
16 to 17 years	2,438	2,383	2,316	2,215	2,158	2,246	2,212	2,225	2,224	2,215	2,360	2,177	2,146	
18 to 19 years	4,068	3,993	3,946	3,888	3,729	3,856	3,857	3,739	3,774	3,704	3,631	3,695	3,643	
20 to 24 years	12,649	12,673	12,666	12,649	12,572	12,553	12,512	12,545	12,575	12,554	12,292	12,306	12,394	
25 years and over	98,871	99,172	99,336	99,247	99,320	99,212	99,160	98,847	98,937	98,463	98,605	98,529	99,150	
25 to 54 years	84,004	84,256	84,366	84,336	84,328	84,322	84,325	84,075	84,070	83,717	83,866	83,821	84,342	
55 years and over	14,853	14,932	14,930	14,906	14,950	14,992	14,851	14,812	14,901	14,628	14,687	14,720	14,778	
Men, 16 years and over	64,536	64,589	64,499	64,266	64,188	64,412	64,408	64,337	64,327	63,798	63,604	63,532	63,802	
16 to 24 years	10,006	9,969	9,866	9,778	9,613	9,760	9,712	9,695	9,758	9,594	9,483	9,392	9,371	
16 to 19 years	3,384	3,313	3,205	3,104	3,014	3,164	3,163	3,120	3,139	3,063	3,071	2,981	2,897	
16 to 17 years	1,260	1,227	1,184	1,136	1,089	1,170	1,163	1,179	1,172	1,205	1,215	1,092	1,075	
18 to 19 years	2,112	2,063	2,014	1,992	1,919	1,976	1,995	1,950	1,966	1,886	1,857	1,895	1,810	
20 to 24 years	6,822	6,656	6,661	6,674	6,599	6,596	6,549	6,575	6,619	6,530	6,412	6,412	6,474	
25 years and over	54,517	54,591	54,634	54,508	54,604	54,670	54,687	54,637	54,546	54,190	54,084	54,113	54,433	
25 to 54 years	46,038	46,094	46,102	46,022	46,040	46,153	46,219	46,137	46,035	45,819	45,742	45,761	45,962	
55 years and over	8,448	8,489	8,499	8,498	8,530	8,573	8,492	8,498	8,553	8,318	8,326	8,353	8,415	
Women, 16 years and over	53,554	53,688	53,738	53,616	53,502	53,471	53,325	53,049	53,247	53,125	53,314	53,222	53,596	
16 to 24 years	9,157	9,092	9,068	8,954	8,826	8,924	8,865	8,823	8,814	8,848	8,791	8,793	8,821	
16 to 19 years	3,130	3,075	3,063	2,979	2,853	2,967	2,902	2,853	2,858	2,825	2,911	2,899	2,901	
16 to 17 years	1,178	1,156	1,132	1,079	1,069	1,076	1,049	1,046	1,052	1,010	1,145	1,085	1,071	
18 to 19 years	1,956	1,930	1,932	1,896	1,810	1,880	1,862	1,789	1,808	1,818	1,774	1,800	1,833	
20 to 24 years	6,027	6,017	6,005	5,975	5,973	5,957	5,963	5,970	5,956	6,023	5,881	5,895	5,920	
25 years and over	44,354	44,581	44,702	44,739	44,716	44,542	44,473	44,210	44,391	44,273	44,521	44,416	44,717	
25 to 54 years	37,966	38,162	38,264	38,314	38,288	38,169	38,106	37,938	38,035	37,898	38,124	38,060	38,380	
55 years and over	6,405	6,443	6,431	6,408	6,420	6,419	6,359	6,314	6,348	6,310	6,361	6,367	6,363	

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

(In thousands)

Sex and age	1990										1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
Total, 16 years and over	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715	8,158	8,572	8,274	
16 to 24 years	2,422	2,358	2,238	2,308	2,382	2,426	2,463	2,428	2,463	2,617	2,682	2,770	2,680	
16 to 19 years	1,136	1,163	1,080	1,140	1,164	1,138	1,169	1,172	1,192	1,307	1,233	1,353	1,283	
16 to 17 years	517	575	480	474	501	506	508	507	524	541	480	576	578	
18 to 19 years	618	614	626	661	651	654	657	662	665	745	741	785	709	
20 to 24 years	1,286	1,195	1,158	1,168	1,218	1,288	1,294	1,256	1,271	1,310	1,449	1,417	1,397	
25 years and over	4,330	4,263	4,301	4,470	4,610	4,652	4,630	4,910	5,160	5,162	5,501	5,811	5,678	
25 to 54 years	3,848	3,814	3,825	3,986	4,039	4,136	4,105	4,403	4,664	4,618	4,940	5,205	5,117	
55 years and over	500	474	448	493	528	514	536	513	501	510	582	638	588	
Men, 16 years and over	3,662	3,668	3,645	3,795	3,889	3,961	3,982	4,109	4,277	4,292	4,706	4,962	4,743	
16 to 24 years	1,346	1,277	1,255	1,266	1,268	1,319	1,325	1,335	1,363	1,461	1,520	1,638	1,566	
16 to 19 years	626	631	597	626	644	637	633	644	662	681	662	778	691	
16 to 17 years	281	303	239	259	284	273	263	280	295	278	287	364	304	
18 to 19 years	345	341	353	368	357	375	368	367	366	381	375	421	389	
20 to 24 years	720	646	658	640	624	682	692	691	701	780	858	860	875	
25 years and over	2,370	2,352	2,360	2,499	2,595	2,616	2,630	2,764	2,937	2,897	3,201	3,344	3,246	
25 to 54 years	2,083	2,079	2,036	2,195	2,230	2,284	2,299	2,448	2,625	2,535	2,847	2,951	2,688	
55 years and over	309	300	281	320	333	337	344	335	316	319	367	399	390	
Women, 16 years and over	3,029	2,994	2,915	3,032	3,126	3,126	3,160	3,228	3,323	3,423	3,452	3,610	3,531	
16 to 24 years	1,076	1,081	983	1,042	1,114	1,107	1,138	1,093	1,100	1,156	1,162	1,132	1,113	
16 to 19 years	510	532	483	514	520	501	536	528	530	626	571	575	592	
16 to 17 years	236	272	221	215	217	233	245	227	229	263	193	212	274	
18 to 19 years	273	273	273	295	294	279	289	295	299	364	366	364	320	
20 to 24 years	566	549	500	528	594	606	602	565	570	530	591	557	521	
25 years and over	1,960	1,911	1,941	1,971	2,015	2,036	2,000	2,146	2,223	2,265	2,300	2,467	2,432	
25 to 54 years	1,765	1,735	1,789	1,791	1,809	1,852	1,806	1,955	2,039	2,083	2,092	2,254	2,229	
55 years and over	191	174	167	173	195	177	192	178	185	191	214	239	198	

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

(Civilian workers)

Sex and age	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2	6.5	6.8	6.6
16 to 24 years	11.2	11.0	10.6	11.0	11.4	11.5	11.7	11.6	11.7	12.4	12.8	13.2	12.8
16 to 19 years	14.8	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2	17.1	18.7	18.1
16 to 17 years	17.5	19.4	16.6	17.6	18.8	18.4	18.7	18.6	19.1	19.6	16.9	20.9	21.2
18 to 19 years	13.2	13.3	13.7	14.5	14.9	14.5	14.6	15.0	15.0	16.7	16.9	17.5	16.3
20 to 24 years	9.2	8.6	8.4	8.5	8.8	9.3	9.4	9.1	9.2	9.5	10.5	10.3	10.1
25 years and over	4.2	4.1	4.2	4.3	4.4	4.5	4.5	4.7	5.0	5.0	5.3	5.6	5.4
25 to 54 years	4.4	4.3	4.3	4.5	4.6	4.7	4.6	5.0	5.3	5.2	5.6	5.8	5.7
55 years and over	3.3	3.1	2.9	3.2	3.4	3.3	3.5	3.3	3.3	3.4	3.8	4.2	3.8
Men, 16 years and over	5.4	5.4	5.3	5.6	5.7	5.8	5.8	6.0	6.2	6.3	6.9	7.2	6.9
16 to 24 years	11.9	11.4	11.3	11.5	11.7	11.9	12.0	12.1	12.3	13.2	13.8	14.9	14.3
16 to 19 years	15.6	16.0	15.7	16.8	17.6	16.8	16.7	17.1	17.4	18.2	17.7	20.7	19.3
16 to 17 years	18.2	19.8	16.8	18.6	20.7	18.9	18.4	19.2	20.1	18.7	19.1	25.0	22.0
18 to 19 years	14.0	14.2	14.9	15.5	15.7	16.0	15.6	15.8	15.7	16.8	16.8	18.2	17.7
20 to 24 years	9.8	8.8	9.0	8.8	8.6	9.4	9.6	9.5	9.6	10.7	11.8	11.8	11.9
25 years and over	4.2	4.1	4.1	4.4	4.5	4.6	4.6	4.8	5.1	5.1	5.6	5.8	5.6
25 to 54 years	4.3	4.3	4.2	4.6	4.6	4.7	4.7	5.0	5.4	5.2	5.9	6.1	5.9
55 years and over	3.5	3.4	3.2	3.6	3.8	3.8	3.9	3.8	3.6	3.7	4.2	4.6	4.4
Women, 16 years and over	5.4	5.3	5.1	5.4	5.5	5.5	5.6	5.7	5.9	6.1	6.1	6.4	6.2
16 to 24 years	10.5	10.6	9.8	10.4	11.2	11.0	11.4	11.0	11.1	11.6	11.7	11.4	11.2
16 to 19 years	14.0	14.7	13.6	14.7	15.4	14.4	15.6	15.6	15.6	18.1	16.4	16.6	16.9
16 to 17 years	16.7	19.0	16.3	16.6	16.9	17.8	18.9	17.8	17.9	20.7	14.4	16.3	20.4
18 to 19 years	12.2	12.4	12.4	13.5	14.0	12.9	13.4	14.2	14.2	16.7	17.1	16.8	14.9
20 to 24 years	8.6	8.4	7.7	8.1	9.0	9.2	9.2	8.6	8.7	8.1	9.1	8.6	8.1
25 years and over	4.2	4.1	4.2	4.2	4.3	4.4	4.3	4.6	4.8	4.9	4.9	5.3	5.2
25 to 54 years	4.4	4.3	4.5	4.5	4.5	4.6	4.5	4.9	5.1	5.2	5.2	5.6	5.5
55 years and over	2.9	2.6	2.5	2.6	2.9	2.7	2.9	2.7	2.8	2.9	3.3	3.6	3.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
CHARACTERISTIC													
Total (all civilian workers)	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2	6.5	6.8	6.6
Men, 20 years and over	4.7	4.7	4.7	4.9	5.0	5.1	5.2	5.4	5.6	5.6	6.3	6.5	6.2
Women, 20 years and over	4.8	4.6	4.6	4.7	4.9	4.9	4.9	5.1	5.3	5.3	5.4	5.7	5.5
Both sexes, 16 to 19 years	14.8	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2	17.1	18.7	18.1
White	4.7	4.6	4.5	4.7	4.8	4.8	4.9	5.0	5.3	5.5	5.9	6.2	5.8
Black and other	9.3	9.5	9.6	10.3	10.4	10.8	10.6	11.0	11.1	10.7	10.7	11.1	11.2
Black	10.6	10.6	10.7	11.4	11.7	11.9	11.7	12.2	12.2	12.1	11.8	12.3	12.6
Hispanic origin	7.9	7.7	7.3	7.9	7.9	8.5	8.2	8.6	9.3	9.3	9.5	10.3	9.0
Married men, spouse present	3.2	3.3	3.2	3.3	3.5	3.5	3.5	3.7	3.8	4.0	4.3	4.5	4.4
Married women, spouse present	3.6	3.6	3.7	3.6	3.9	3.9	3.9	4.1	4.1	4.1	4.4	4.8	4.5
Women who maintain families	7.8	7.5	8.0	8.3	8.4	8.7	8.5	8.7	8.7	9.0	9.1	9.0	9.9
Full-time workers	5.1	4.9	4.9	5.1	5.3	5.4	5.5	5.7	5.8	6.0	6.4	6.5	6.3
Part-time workers	7.2	7.4	7.5	7.8	7.7	7.2	7.1	7.3	7.6	7.7	7.6	9.1	8.1
Unemployed 15 weeks and over ¹	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.7	1.8
Labor force time lost ²	6.2	6.0	5.9	6.1	6.3	6.4	6.6	6.7	6.9	7.0	7.5	7.7	7.6
OCCUPATION³													
Managerial and professional specialty	2.0	2.0	2.2	2.1	2.2	2.3	2.2	2.2	2.2	2.7	2.4	2.7	2.6
Technical, sales, and administrative support	4.0	3.8	4.1	4.1	4.3	4.3	4.4	4.6	4.8	4.5	5.0	5.3	5.2
Precision production, craft, and repair	5.5	5.4	5.2	5.7	6.2	6.5	6.5	6.9	7.0	7.3	7.6	7.6	7.8
Operators, fabricators, and laborers	8.7	8.3	8.1	8.2	8.3	8.2	8.9	9.4	9.6	10.0	11.6	11.2	10.8
Farming, forestry, and fishing	6.8	5.3	6.2	6.8	6.3	6.2	5.5	6.2	6.9	7.6	7.9	9.1	6.5
INDUSTRY													
Nonagricultural private wage and salary workers	5.6	5.5	5.4	5.5	5.7	5.8	5.9	6.2	6.3	6.4	6.9	7.2	7.0
Goods-producing industries	6.8	6.7	6.2	6.7	6.9	7.1	7.3	7.9	8.1	8.2	9.1	9.0	9.2
Mining	4.5	3.7	4.0	4.5	4.7	3.8	4.1	4.7	5.8	7.5	6.0	7.1	7.5
Construction	10.5	11.3	9.8	10.5	11.2	12.0	13.0	13.3	14.0	14.5	15.5	14.1	15.0
Manufacturing	5.8	5.5	5.2	5.7	5.8	5.8	5.8	6.5	6.5	6.4	7.4	7.6	7.6
Durable goods	5.6	5.5	5.2	5.7	5.9	6.0	5.9	6.9	6.6	6.8	8.1	8.2	8.3
Nondurable goods	6.0	5.4	5.3	5.7	5.6	5.4	5.7	5.9	6.4	5.9	6.5	6.8	6.6
Service-producing industries	5.1	5.0	5.0	5.0	5.2	5.3	5.3	5.4	5.4	5.6	5.9	6.4	6.0
Transportation and public utilities	4.2	3.3	3.2	3.7	4.0	3.9	4.1	4.1	4.2	4.4	5.3	5.5	5.4
Wholesale and retail trade	6.2	6.2	6.3	6.1	6.3	6.6	6.7	6.7	6.6	7.0	7.4	7.9	7.3
Finance and service industries	4.5	4.4	4.5	4.5	4.7	4.7	4.5	4.7	4.8	4.9	5.0	5.6	5.2
Government workers	2.2	2.5	2.9	2.8	2.8	2.8	2.8	2.8	2.7	3.0	3.2	3.7	3.2
Agricultural wage and salary workers	10.5	8.1	9.8	10.1	9.5	9.3	8.5	9.8	12.3	11.9	11.5	13.8	9.9

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.

³ Seasonally adjusted data for service occupations are not available because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
DURATION													
Less than 5 weeks	3,185	3,078	3,100	3,142	3,275	3,087	3,139	3,277	3,280	3,410	3,473	3,515	3,287
5 to 14 weeks	2,146	2,194	2,085	2,166	2,077	2,452	2,391	2,334	2,518	2,490	2,736	2,904	2,745
15 weeks and over	1,417	1,404	1,436	1,508	1,568	1,605	1,591	1,727	1,739	1,829	1,975	2,184	2,229
15 to 26 weeks	742	776	777	807	822	861	893	938	940	981	1,053	1,236	1,226
27 weeks and over	675	628	659	701	746	744	698	789	799	848	921	947	1,003
Average (mean) duration, in weeks	12.1	11.6	12.0	12.1	12.3	12.4	12.0	12.4	12.4	12.4	12.8	13.0	13.7
Median duration, in weeks	5.0	5.3	5.2	5.2	5.3	6.1	5.9	5.9	5.9	5.9	6.1	6.6	7.0
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	47.2	46.1	46.8	46.1	47.3	43.2	44.1	44.7	43.5	44.1	42.4	40.9	39.8
5 to 14 weeks	31.8	32.9	31.5	31.8	30.0	34.3	33.6	31.8	33.4	32.2	33.4	33.8	33.2
15 weeks and over	21.0	21.0	21.7	22.1	22.7	22.5	22.3	23.5	23.1	23.7	24.1	25.4	27.0
15 to 26 weeks	11.0	11.6	11.7	11.8	11.9	12.1	12.5	12.8	12.5	12.7	12.9	14.4	14.8
27 weeks and over	10.0	9.4	10.0	10.3	10.8	10.4	9.8	10.8	10.6	11.0	11.3	11.0	12.1

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

(Numbers in thousands)

Reasons for unemployment	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
NUMBER OF UNEMPLOYED													
Job losers	3,145	3,173	3,203	3,145	3,388	3,519	3,563	3,756	3,797	4,068	4,515	4,703	4,528
On layoff	984	980	947	977	993	1,111	1,056	1,136	1,150	1,131	1,485	1,430	1,370
Other job losers	2,161	2,193	2,256	2,168	2,395	2,408	2,507	2,620	2,647	2,938	3,031	3,273	3,158
Job leavers	1,159	1,017	999	1,020	989	954	981	996	1,024	899	989	1,080	987
Reentrants	1,794	1,828	1,839	1,920	1,872	1,952	1,911	1,926	2,128	2,044	1,994	2,090	2,053
New entrants	637	677	549	677	669	663	684	655	662	672	633	699	741
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	46.7	47.4	48.6	46.5	49.0	49.6	49.9	51.2	49.9	53.0	55.5	54.9	54.5
On layoff	14.6	14.6	14.4	14.4	14.4	15.7	14.8	15.5	15.1	14.7	18.3	16.7	16.5
Other job losers	32.1	32.8	34.2	32.1	34.6	34.0	35.1	35.7	34.8	38.2	37.3	38.2	38.0
Job leavers	17.2	15.2	15.2	15.1	14.3	13.5	13.7	13.6	13.5	11.7	12.2	12.6	11.9
Reentrants	26.6	27.3	27.9	28.4	27.1	27.5	26.8	26.3	28.0	26.6	24.5	24.4	24.7
New entrants	9.5	10.1	8.3	10.0	9.7	9.4	9.6	8.9	8.7	8.7	7.8	8.2	8.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.5	2.5	2.6	2.5	2.7	2.8	2.9	3.0	3.0	3.3	3.6	3.8	3.6
Job leavers .....	.9	.8	.8	.8	.8	.8	.8	.8	.8	.7	.8	.9	.8
Reentrants	1.4	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.7	1.6	1.6	1.7	1.6
New entrants .....	.5	.5	.4	.5	.5	.5	.5	.5	.5	.5	.5	.6	.6

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonfarm payrolls by major industry, 1940 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															
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,841	4,909	1,485	3,665	996	(1)	(1)
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,966	5,244	1,525	3,905	1,340	(1)	(1)
1942	40,106	34,624	18,470	992	2,198	15,280	21,638	3,460	1,912	5,206	1,509	4,066	2,213	(1)	(1)
1943	42,434	38,356	20,114	925	1,587	17,602	22,320	3,647	1,828	5,154	1,481	4,130	2,905	(1)	(1)
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,851	5,208	1,461	4,145	2,928	(1)	(1)
1945	40,374	34,431	17,507	836	1,147	15,524	22,887	3,906	1,955	5,359	1,481	4,222	2,808	(1)	(1)
1946	41,652	36,056	17,248	882	1,683	14,703	24,404	4,061	2,298	6,077	1,675	4,897	2,254	(1)	(1)
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,478	8,477	1,728	5,025	1,892	(1)	(1)
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,812	6,659	1,800	5,181	1,863	(1)	(1)
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,610	6,854	1,828	5,239	1,908	(1)	(1)
1950	45,197	39,170	18,506	901	2,364	15,241	26,891	4,034	2,643	8,743	1,888	5,356	1,928	(1)	(1)
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,228	2,735	7,007	1,956	5,547	2,302	(1)	(1)
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,821	7,184	2,035	5,899	2,420	(1)	(1)
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,862	7,385	2,111	5,835	2,305	(1)	(1)
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,875	7,360	2,200	5,969	2,188	(1)	(1)
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,934	7,601	2,298	6,240	2,187	1,168	3,558
1956	52,389	45,091	21,104	822	3,039	17,243	31,266	4,244	3,027	7,831	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	3,037	7,848	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	2,989	7,761	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	3,092	8,035	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	3,153	8,238	2,628	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,142	8,195	2,688	7,619	2,279	1,607	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,207	8,359	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	3,258	8,520	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	3,347	8,812	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	3,477	9,239	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	3,608	9,637	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	3,700	9,906	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	3,791	10,308	3,337	10,587	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,919	10,785	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	4,006	11,034	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	4,014	11,338	3,772	11,797	2,896	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,127	11,822	3,908	12,278	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,291	12,315	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	4,447	12,539	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	4,430	12,630	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	4,562	13,193	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,662	58,125	4,713	4,723	13,792	4,467	15,302	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,985	14,556	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	5,221	14,972	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	5,292	15,018	5,180	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	5,376	15,172	5,298	18,819	2,772	3,640	9,619
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,296	15,161	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	5,286	15,595	5,468	19,694	2,774	3,662	9,434
1984	94,496	78,472	24,727	966	4,383	19,378	69,769	5,159	5,574	16,526	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	5,736	17,336	5,955	21,999	2,875	3,832	9,687
1986	99,525	82,832	24,558	777	4,816	18,965	74,967	5,255	5,774	17,909	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	5,865	18,462	6,547	24,235	2,943	3,967	10,100
1988	105,536	88,150	25,173	713	5,110	19,350	80,363	5,527	6,055	19,077	6,849	25,669	2,971	4,076	10,339
1989	108,413	90,644	25,326	700	5,200	19,426	83,087	5,648	6,271	19,580	6,724	27,096	2,988	4,175	10,606
1990	110,321	92,031	25,001	735	5,204	19,062	85,320	5,839	6,361	19,788	6,832	28,209	3,085	4,284	10,922
Monthly data, seasonally adjusted															
1990:															
April	110,177	91,922	25,180	734	5,256	19,190	84,997	5,809	6,363	19,778	6,823	27,969	3,151	4,252	10,852
May	110,617	92,120	25,191	738	5,286	19,167	85,426	5,833	6,369	19,795	6,838	28,094	3,346	4,262	10,889
June	110,829	92,282	25,162	744	5,270	19,148	85,667	5,846	6,383	19,822	6,844	28,225	3,338	4,296	10,913
July	110,740	92,300	25,105	745	5,229	19,131	85,635	5,841	6,374	19,851	6,842	28,287	3,164	4,298	10,978
August	110,613	92,320	25,013	735	5,194	19,084	85,800	5,846	6,376	19,846	6,852	28,387	3,045	4,305	10,943
September	110,612	92,306	24,931	736	5,176	19,019	85,681	5,870	6,370	19,844	6,851	28,440	2,999	4,309	10,998
October	110,432	92,112	24,777	733	5,093	18,951	85,655	5,870	6,355	19,792	6,843	28,475	2,983	4,323	11,014
November	110,165	91,840	24,511	738	5,029	18,744	85,654	5,866	6,343	19,739	6,833	28,548	2,961	4,323	11,041
December	110,004	91,701	24,416	740	4,983	18,693	85,588	5,882	6,331	19,670	6,829	28,573	2,943	4,325	11,035
1991:															
January	109,813	91,501	24,193	737	4,841	18,615	85,620	5,883	6,292	19,682	6,829	28,622	2,951	4,333	11,028
February	109,527	91,183	24,068	740	4,866	18,462	85,459	5,843	6,271	19,564	6,824	28,613	2,951	4,332	11,061
March ^p	109,286	90,930	23,899	738	4,792	18,369	85,387	5,831	6,252	19,505	6,825	28,618	2,951	4,333	11,072
April ^p	109,162	90,831	23,833	735	4,771	18,327	85,329	5,828	6,237	19,466	6,828	28,639	2,944	4,323	11,064

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 nonfarm total for the March 1959 benchmark month.

^p = preliminary.

NOTE: Establishment survey estimates reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1989) and all seasonally adjusted data (beginning January 1986) are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonfarm payrolls by detailed industry

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Total		109,343	110,059	108,307	108,578	109,087	-	-	-	-	-
Total private		90,807	91,456	89,662	89,837	90,399	73,432	74,051	72,265	72,443	72,999
Mining		715	726	724	723	727	510	521	517	515	519
Metal mining	10	59.4	60.0	61.1	61.0	-	47.0	47.6	47.8	47.6	-
Iron ores	101	8.2	8.2	8.0	8.1	-	6.7	6.7	6.1	6.1	-
Copper ores	102	14.7	14.9	15.4	15.5	-	11.9	12.1	12.6	12.7	-
Coal mining	12	152.7	154.7	150.2	148.8	-	123.6	125.4	121.3	120.3	-
Bituminous coal and lignite mining	122	142.5	144.4	139.9	138.5	-	115.3	116.9	113.0	112.0	-
Oil and gas extraction	13	395.8	399.3	412.2	409.7	408.1	259.2	262.8	274.1	271.2	-
Crude petroleum and natural gas	131	193.0	192.9	190.5	190.4	-	92.9	93.0	93.6	93.7	-
Oil and gas field services	138	198.8	202.5	217.7	215.3	-	163.2	166.7	177.6	174.6	-
Nonmetallic minerals, except fuels	14	106.8	111.7	100.3	103.0	-	80.1	85.0	73.6	76.3	-
Crushed and broken stone	142	38.4	41.0	36.2	37.7	-	29.4	32.0	26.6	28.1	-
Sand and gravel	144	33.1	34.8	29.7	30.7	-	-	-	-	-	-
Chemical and fertilizer minerals	147	16.5	16.6	16.4	16.3	-	-	-	-	-	-
Construction		4,906	5,099	4,394	4,428	4,628	3,759	3,941	3,277	3,309	3,495
General building contractors	15	1,268.0	1,287.2	1,129.3	1,129.5	1,150.8	901.4	922.3	787.3	787.3	-
Residential building construction	152	649.4	658.8	565.8	569.5	-	447.9	458.2	381.0	382.8	-
Operative builders	153	39.0	38.7	32.1	31.3	-	16.9	16.8	12.4	11.8	-
Nonresidential building construction	154	579.6	589.7	531.4	528.7	-	436.6	447.3	393.9	392.7	-
Heavy construction, except building	16	720.5	782.1	630.9	649.1	-	590.5	650.2	503.9	522.6	-
Highway and street construction	161	185.4	225.6	164.2	174.7	-	145.6	184.7	124.6	134.9	-
Heavy construction, except highway	162	535.1	556.5	466.7	474.4	-	444.9	465.5	379.3	387.7	-
Special trade contractors	17	2,917.9	3,030.0	2,633.7	2,649.8	-	2,267.1	2,368.2	1,985.3	1,999.5	-
Plumbing, heating, and air conditioning	171	636.7	641.2	596.0	592.3	-	465.1	469.0	427.5	423.6	-
Painting and paper hanging	172	156.3	163.6	136.8	140.7	-	127.9	134.9	108.3	111.9	-
Electrical work	173	544.5	547.5	529.7	524.2	-	419.4	421.8	400.9	396.2	-
Masonry, stonework, and plastering	174	473.7	496.7	415.8	417.4	-	404.8	425.9	347.5	349.5	-
Carpentry and floor work	175	191.8	191.4	148.9	150.5	-	145.5	144.9	105.4	107.4	-
Roofing, siding, and sheet metal work	176	197.0	207.9	177.6	180.1	-	154.2	164.8	134.7	137.6	-
Manufacturing		19,109	19,114	18,340	18,266	18,253	12,968	12,984	12,327	12,274	12,278
Durable goods		11,222	11,215	10,589	10,541	10,536	7,449	7,453	6,945	6,916	6,926
Lumber and wood products	24	734.3	738.9	675.3	673.4	679.1	603.6	607.7	550.0	547.9	553.8
Logging	241	82.2	82.0	80.4	76.5	-	67.1	66.9	65.9	62.3	-
Sawmills and planing mills	242	198.5	198.8	185.5	184.9	-	173.0	173.2	160.5	159.3	-
Sawmills and planing mills, general	2421	160.2	160.3	149.9	148.9	-	139.5	139.5	129.6	128.0	-
Hardwood dimension and flooring mills	2426	34.9	35.2	32.5	33.0	-	30.7	30.9	28.3	28.8	-
Millwork, plywood, and structural members	243	261.4	264.4	230.4	230.6	-	210.7	213.3	182.2	182.6	-
Millwork	2431	105.4	106.5	92.2	92.7	-	82.8	83.8	70.0	70.5	-
Wood kitchen cabinets	2434	71.3	72.3	66.1	65.5	-	56.4	57.3	52.0	51.6	-
Hardwood veneer and plywood	2435	23.5	23.7	21.4	20.8	-	20.2	20.4	18.4	17.8	-
Softwood veneer and plywood	2436	34.0	34.2	29.7	30.2	-	30.6	30.7	26.5	26.9	-
Wood containers	244	43.6	43.8	42.6	42.4	-	36.7	36.9	35.7	35.5	-
Wood buildings and mobile homes	245	60.9	62.3	55.9	57.4	-	45.1	46.4	41.0	42.5	-
Mobile homes	2451	41.6	42.3	40.0	40.6	-	33.3	34.0	31.6	32.2	-
Miscellaneous wood products	249	87.7	87.6	80.5	81.6	-	71.0	71.0	64.7	65.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Furniture and fixtures	25	518.3	515.7	481.7	479.2	480.3	410.8	409.0	376.9	375.2	377.1
Household furniture	251	298.8	297.5	276.2	275.3	-	250.7	249.7	229.0	228.4	-
Wood household furniture	2511	130.5	129.3	121.9	121.3	-	112.8	111.7	104.3	103.8	-
Upholstered household furniture	2512	100.4	100.8	94.3	93.9	-	83.8	84.3	77.7	77.6	-
Metal household furniture	2514	25.5	25.1	22.5	22.2	-	20.7	20.3	18.0	17.7	-
Mattresses and bedsprings	2515	28.8	28.8	26.7	27.2	-	22.0	22.1	20.1	20.6	-
Office furniture	252	69.6	68.0	65.1	64.1	-	51.9	50.5	48.0	47.2	-
Public building and related furniture	253	31.8	31.9	28.1	28.0	-	24.7	24.8	21.4	21.6	-
Partitions and fixtures	254	81.4	81.7	78.9	78.7	-	58.4	58.9	56.6	56.4	-
Miscellaneous furniture and fixtures	259	36.7	36.6	33.4	33.1	-	25.1	25.1	21.9	21.6	-
Stone, clay, and glass products	32	551.7	557.8	505.7	506.1	514.0	428.2	434.0	387.9	388.5	396.2
Flat glass	321	16.3	15.9	15.0	14.5	-	12.9	12.5	11.7	11.2	-
Glass and glassware, pressed or blown	322	85.6	84.9	81.7	81.7	-	73.8	73.3	70.3	70.3	-
Glass containers	3221	42.6	41.8	40.5	40.3	-	38.4	37.7	36.5	36.4	-
Pressed and blown glass, nec	3229	43.0	43.1	41.2	41.4	-	35.4	35.6	33.8	33.9	-
Products of purchased glass	323	55.2	55.0	49.7	48.8	-	42.1	42.0	37.3	36.5	-
Cement, hydraulic	324	18.7	18.8	18.7	18.8	-	14.3	14.4	14.3	14.3	-
Structural clay products	325	36.6	37.0	32.2	32.3	-	28.2	28.5	24.3	24.5	-
Pottery and related products	326	40.4	40.0	37.1	36.4	-	32.0	31.6	29.3	28.5	-
Concrete, gypsum, and plaster products	327	202.8	209.8	181.5	184.1	-	153.6	160.1	134.6	137.5	-
Concrete block and brick	3271	18.5	19.5	16.7	16.8	-	12.0	12.6	10.2	10.5	-
Concrete products, nec	3272	70.8	71.6	62.8	64.0	-	52.9	53.9	46.2	47.4	-
Ready-mixed concrete	3273	94.4	99.6	84.4	85.7	-	74.0	78.8	64.6	65.9	-
Misc. nonmetallic mineral products	329	82.3	82.2	77.0	76.5	-	60.8	60.9	56.7	56.2	-
Abrasive products	3291	21.6	21.6	20.5	20.4	-	15.1	15.1	14.7	14.8	-
Asbestos products	3292	7.1	7.2	6.6	6.5	-	5.3	5.3	4.9	4.9	-
Mineral wool	3296	24.4	24.4	22.0	22.0	-	-	-	-	-	-
Primary metal industries	33	754.6	754.9	721.2	720.7	716.9	573.7	573.9	543.2	543.3	540.0
Blast furnaces and basic steel products	331	269.7	270.0	258.3	257.0	254.7	207.1	207.5	196.6	195.7	192.9
Blast furnaces and steel mills	3312	203.1	202.8	193.3	192.5	-	157.4	157.3	148.4	147.9	-
Steel pipe and tubes	3317	24.4	24.7	24.0	23.7	-	18.4	18.6	17.8	17.5	-
Iron and steel foundries	332	134.5	133.6	126.0	128.1	-	107.4	106.5	99.4	101.7	-
Gray and ductile iron foundries	3321	82.5	83.3	76.2	78.3	-	67.2	67.9	61.1	63.3	-
Malleable iron foundries	3322	8.8	8.9	8.0	8.3	-	6.7	6.8	6.0	6.3	-
Steel foundries, nec	3325	28.2	26.7	26.7	26.4	-	22.2	20.8	20.7	20.4	-
Primary nonferrous metals	333	45.3	45.4	45.1	45.1	-	33.5	33.6	33.6	33.8	-
Primary aluminum	3334	25.5	25.5	25.4	25.4	-	19.5	19.6	19.8	19.9	-
Nonferrous rolling and drawing	335	175.1	175.4	169.7	168.7	-	125.5	125.9	120.8	119.9	-
Copper rolling and drawing	3351	23.2	23.3	22.1	22.0	-	17.7	17.8	16.8	16.8	-
Aluminum sheet, plate, and foil	3353	28.2	28.4	28.4	28.4	-	18.9	19.0	18.9	18.8	-
Nonferrous wire drawing and insulating	3357	73.9	73.9	71.5	70.9	-	53.9	53.9	51.8	51.0	-
Nonferrous foundries (castings)	336	85.5	86.0	80.7	80.8	-	67.7	67.9	63.0	62.7	-
Aluminum foundries	3365	23.6	23.9	22.9	22.9	-	18.6	18.8	17.9	17.8	-
Fabricated metal products	34	1,414.7	1,417.2	1,344.7	1,338.9	1,336.9	1,040.9	1,044.6	979.1	973.8	973.6
Metal cans and shipping containers	341	52.3	52.8	50.6	50.3	-	44.8	45.0	43.6	43.3	-
Metal cans	3411	41.9	42.3	41.1	40.9	-	36.3	36.6	36.0	35.7	-
Cutlery, handtools, and hardware	342	130.4	129.3	121.5	120.5	-	95.6	94.9	89.0	88.1	-
Hand and edge tools, and blades and handsaws	3423,5	45.0	44.5	42.5	42.1	-	33.1	32.7	31.0	30.6	-
Hardware, nec	3429	73.2	72.8	67.5	67.0	-	54.2	54.0	50.1	49.7	-
Plumbing and heating, except electric	343	62.3	62.3	58.9	58.1	-	44.2	44.3	41.4	40.7	-
Plumbing fixture fittings and trim	3432	27.1	27.2	25.1	24.8	-	19.9	19.9	18.8	18.6	-
Heating equipment, except electric	3433	21.7	21.4	20.7	20.1	-	14.2	14.1	13.1	12.5	-
Fabricated structural metal products	344	420.6	421.1	403.6	401.0	-	296.7	297.8	282.2	280.2	-
Fabricated structural metal	3441	76.5	76.0	73.7	72.8	-	54.6	54.4	52.2	51.7	-
Metal doors, sash, and trim	3442	72.7	74.5	68.1	67.9	-	51.8	53.5	47.7	47.6	-
Fabricated plate work (boiler shops)	3443	108.1	108.0	107.9	107.4	-	72.6	72.5	72.3	71.7	-
Sheet metal work	3444	94.0	93.1	88.8	88.6	-	70.6	69.9	66.4	66.2	-
Architectural metal work	3446	28.6	28.4	26.5	26.0	-	20.3	20.0	18.4	18.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	98.3	97.8	93.5	92.4	-	75.4	75.2	71.1	70.2	-
Screw machine products	3451	47.5	47.2	45.0	44.5	-	38.6	38.3	36.4	36.0	-
Bolts, nuts, rivets, and washers	3452	50.8	50.6	48.5	47.9	-	36.8	36.9	34.7	34.2	-
Metal forgings and stampings	346	223.2	225.4	206.2	207.1	-	176.5	178.7	160.0	161.2	-
Iron and steel forgings	3462	31.7	32.0	31.4	31.4	-	24.4	24.6	23.8	23.9	-
Automotive stampings	3465	100.4	102.3	86.0	87.2	-	83.5	85.5	69.6	71.0	-
Metal stampings, nec	3469	78.5	78.7	76.9	76.6	-	59.2	59.4	57.7	57.5	-
Metal services, nec	347	120.0	120.7	116.8	115.7	-	94.3	94.5	90.7	89.6	-
Plating and polishing	3471	76.8	77.0	74.3	73.2	-	60.8	60.6	57.8	56.8	-
Metal coating and allied services	3479	43.2	43.7	42.5	42.5	-	33.5	33.9	32.9	32.8	-
Ordnance and accessories, nec	348	71.1	70.7	64.7	66.1	-	43.9	43.9	38.4	38.4	-
Ammunition, except for small arms, nec	3483	40.9	40.5	36.6	37.9	-	22.6	22.5	18.1	18.1	-
Miscellaneous fabricated metal products	349	236.5	237.1	228.9	227.7	-	169.5	170.3	162.7	162.1	-
Valves and pipe fittings, nec	3494	29.8	29.8	28.9	28.6	-	18.8	19.0	19.6	19.7	-
Misc. fabricated wire products	3496	54.5	54.9	51.6	51.5	-	41.2	41.5	38.5	38.3	-
Industrial machinery and equipment	35	2,123.6	2,114.3	2,044.1	2,032.7	2,015.9	1,280.8	1,276.7	1,222.2	1,215.8	1,204.9
Engines and turbines	351	92.1	90.9	93.5	91.4	-	60.3	59.1	60.7	58.6	-
Turbines and turbine generator sets	3511	26.6	27.0	29.5	29.7	-	15.3	15.5	17.3	17.4	-
Internal combustion engines, nec	3519	65.5	63.9	64.0	61.7	-	45.0	43.6	43.4	41.2	-
Farm and garden machinery	352	116.8	117.8	111.9	110.2	-	87.4	87.9	82.0	80.8	-
Farm machinery and equipment	3523	82.5	82.5	79.7	78.2	-	59.4	59.3	57.1	55.9	-
Construction and related machinery	353	225.6	225.7	219.2	218.2	-	139.2	139.4	133.8	132.0	-
Construction machinery	3531	84.7	84.8	76.7	76.4	-	53.4	53.5	46.4	45.8	-
Mining machinery	3532	17.1	17.1	16.7	16.5	-	10.6	10.6	10.2	10.0	-
Oil and gas field machinery	3533	40.3	40.4	45.0	45.2	-	23.8	23.9	28.3	28.4	-
Conveyors and conveying equipment	3535	34.2	34.2	33.8	33.5	-	18.9	19.0	19.1	18.8	-
Industrial trucks and tractors	3537	28.9	28.8	27.3	27.2	-	19.7	19.6	18.1	17.9	-
Metalworking machinery	354	333.1	332.3	321.2	318.6	-	237.8	237.3	228.6	225.7	-
Machine tools, metal cutting types	3541	48.4	48.2	45.3	45.0	-	31.3	31.1	28.6	28.4	-
Machine tools, metal forming types	3542	18.8	18.7	17.7	17.5	-	11.8	11.8	10.9	10.7	-
Special dies, tools, jigs, and fixtures	3544	147.8	147.5	145.0	143.9	-	114.3	114.1	112.1	110.7	-
Machine tool accessories	3545	56.3	56.1	52.7	52.3	-	39.6	39.4	37.0	36.6	-
Power driven handtools	3546	21.0	21.0	20.0	19.8	-	14.6	14.6	13.8	13.5	-
Special industry machinery	355	159.1	159.0	151.0	150.3	-	94.6	94.3	87.8	87.4	-
Textile machinery	3552	19.2	19.1	17.6	17.5	-	12.7	12.7	11.5	11.6	-
Printing trades machinery	3555	23.7	23.6	22.5	22.6	-	13.2	13.1	11.8	11.8	-
Food products machinery	3556	24.1	24.0	22.2	22.1	-	14.6	14.4	13.1	13.0	-
General industrial machinery	356	243.7	243.1	240.0	238.7	-	156.4	156.6	152.1	151.6	-
Pumps and pumping equipment	3561	29.3	29.1	28.7	28.6	-	16.7	16.7	16.3	16.2	-
Ball and roller bearings	3562	43.6	43.4	43.0	42.8	-	33.9	33.8	33.2	33.1	-
Air and gas compressors	3563	24.3	24.3	24.8	24.7	-	13.6	13.8	13.4	13.4	-
Blowers and fans	3564	31.4	31.5	30.9	30.8	-	21.2	21.4	20.7	20.7	-
Speed changers, drives, and gears	3566	16.3	16.3	16.0	15.9	-	11.5	11.6	11.2	11.2	-
Power transmission equipment, nec	3568	19.0	19.0	18.2	18.0	-	13.0	13.0	12.0	11.9	-
Computer and office equipment	357	452.9	446.2	433.7	433.6	-	142.8	140.2	139.1	142.6	-
Electronic computers	3571	280.6	277.0	265.2	265.3	-	72.5	70.3	67.4	69.4	-
Computer terminals, calculators, and office machines, nec	3575,8,9	69.6	68.0	67.6	67.4	-	21.6	21.4	24.3	25.7	-
Refrigeration and service machinery	358	184.1	184.9	170.9	171.0	-	130.0	131.2	118.3	118.7	-
Refrigeration and heating equipment	3585	129.7	130.5	120.0	120.5	-	94.6	95.7	86.6	87.5	-
Misc. industrial and commercial machinery	359	316.2	314.4	302.7	300.7	-	232.3	230.7	219.8	218.4	-
Carburetors, pistons, rings, valves	3592	23.8	23.2	21.7	21.1	-	19.2	18.9	17.7	17.1	-
Scales, balances, and industrial machinery, nec	3596,9	242.6	241.7	234.4	233.1	-	184.1	183.2	175.2	174.2	-
Electronic and other electrical equipment	36	1,711.7	1,704.7	1,624.3	1,611.2	1,608.2	1,083.5	1,078.9	1,016.8	1,008.8	1,007.4
Electric distribution equipment	361	97.2	96.8	92.4	90.8	-	68.0	67.8	64.2	62.3	-
Transformers, except electronic	3612	49.1	48.9	46.7	46.6	-	34.8	34.7	33.0	32.6	-
Switchgear and switchboard apparatus	3613	48.1	47.9	45.7	44.2	-	33.2	33.1	31.2	29.7	-
Electrical industrial apparatus	362	173.3	172.6	164.5	163.5	-	122.1	121.3	114.2	113.8	-
Motors and generators	3621	86.7	86.0	80.9	80.6	-	67.9	67.3	62.0	61.9	-
Relays and industrial controls	3625	66.8	66.9	64.0	63.7	-	40.5	40.5	38.9	38.8	-
Household appliances	363	130.0	131.7	119.2	119.5	-	104.7	106.5	94.1	94.0	-
Household refrigerators and freezers	3632	27.2	28.8	25.6	25.6	-	22.6	24.3	20.6	20.5	-
Household laundry equipment	3633	21.5	21.5	19.5	19.7	-	17.5	17.4	15.4	15.5	-
Electric housewares and fans	3634	35.3	35.6	33.2	33.5	-	27.1	27.4	25.2	25.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment	364	191.9	190.7	180.1	179.3	-	139.3	138.3	128.8	128.3	-
Electric lamps	3641	25.5	25.5	24.0	23.9	-	21.7	21.7	20.2	20.2	-
Current-carrying wiring devices	3643	74.1	73.8	70.3	69.9	-	48.3	48.0	46.1	45.6	-
Noncurrent-carrying wiring devices	3644	16.3	16.5	14.8	14.8	-	12.1	12.3	10.7	10.7	-
Residential lighting fixtures	3645	25.3	24.7	22.8	22.6	-	18.8	18.3	16.7	16.6	-
Household audio and video equipment	365	86.7	86.6	81.8	80.1	-	60.8	60.5	54.6	53.7	-
Household audio and video equipment	3651	65.0	64.7	61.9	60.5	-	43.9	43.3	39.5	38.8	-
Communications equipment	366	262.2	261.1	248.9	246.7	-	133.7	132.4	124.6	123.8	-
Telephone and telegraph apparatus	3661	133.1	132.7	127.2	126.2	-	74.4	73.3	67.2	66.7	-
Electronic components and accessories	367	604.0	599.2	577.8	574.3	-	340.5	338.0	328.9	327.5	-
Electron tubes	3671	34.6	34.4	32.7	31.4	-	22.6	22.5	21.3	20.4	-
Semiconductors and related devices	3674	245.8	243.8	237.0	235.7	-	94.7	94.4	94.3	94.3	-
Electronic components, nec	3679	148.2	147.1	139.9	139.6	-	93.4	92.4	89.2	89.3	-
Misc. electrical equipment and supplies	369	166.4	166.0	159.6	157.0	-	114.4	114.1	107.4	105.4	-
Storage batteries	3691	28.5	28.7	28.7	28.3	-	21.9	22.0	21.5	21.3	-
Engine electrical equipment	3694	68.4	68.5	62.8	60.9	-	51.4	51.7	46.5	45.1	-
Transportation equipment	37	2,020.9	2,023.6	1,847.1	1,836.3	1,846.1	1,247.0	1,250.9	1,124.6	1,118.8	1,130.4
Motor vehicles and equipment	371	824.1	828.9	726.1	724.1	746.7	631.6	636.3	544.8	543.8	565.6
Motor vehicles and car bodies	3711	330.0	330.9	272.2	277.6	-	241.5	243.6	193.1	198.2	-
Truck and bus bodies	3713	42.0	42.1	37.5	36.6	-	33.0	33.0	28.5	27.7	-
Motor vehicle parts and accessories	3714	405.7	407.6	376.6	369.3	-	321.6	322.6	293.5	287.5	-
Truck trailers	3715	27.6	27.8	24.3	24.3	-	21.6	21.8	18.5	18.5	-
Aircraft and parts	372	718.0	717.2	673.0	667.5	-	345.5	344.7	327.2	324.6	-
Aircraft	3721	386.5	385.5	351.5	349.3	-	166.5	165.8	150.5	150.0	-
Aircraft engines and engine parts	3724	156.3	156.7	153.0	152.6	-	78.9	79.4	79.3	79.0	-
Aircraft parts and equipment, nec	3728	175.2	175.0	168.5	165.6	-	100.1	99.5	97.4	95.6	-
Ship and boat building and repairing	373	191.4	191.1	181.9	178.9	-	144.2	144.4	139.4	137.2	-
Ship building and repairing	3731	126.4	126.1	131.5	129.2	-	90.9	90.9	98.1	96.3	-
Boat building and repairing	3732	65.0	65.0	50.4	49.7	-	53.3	53.5	41.3	40.9	-
Railroad equipment	374	34.0	34.2	32.9	32.9	-	25.1	25.3	24.0	23.8	-
Guided missiles, space vehicles, and parts	376	191.9	190.6	179.7	178.6	-	59.4	58.9	55.0	54.2	-
Guided missiles and space vehicles	3761	137.8	136.9	130.1	129.3	-	38.5	38.2	36.8	36.8	-
Miscellaneous transportation equipment	379	47.7	47.7	41.7	41.3	-	31.0	31.0	26.3	26.2	-
Travel trailers and campers	3792	18.5	18.6	15.0	14.9	-	14.3	14.2	11.3	11.3	-
Instruments and related products	38	1,006.0	1,003.0	972.4	970.0	967.0	499.3	498.1	477.2	477.3	476.3
Search and navigation equipment	381	287.4	285.4	268.0	265.1	-	97.0	95.7	85.1	83.6	-
Measuring and controlling devices	382	325.1	323.4	310.3	309.2	-	181.1	179.9	170.6	170.1	-
Environmental controls	3822	48.8	48.7	45.6	45.3	-	32.9	32.8	31.0	30.6	-
Process control instruments	3823	65.4	65.1	64.1	63.8	-	34.2	33.9	33.1	32.7	-
Instruments to measure electricity	3825	97.6	96.8	91.4	90.9	-	49.3	48.7	46.4	46.5	-
Medical instruments and supplies	384	240.8	241.9	245.6	247.4	-	141.1	142.5	142.7	145.1	-
Surgical and medical instruments	3841	99.3	99.6	102.2	103.4	-	57.0	57.3	59.7	61.3	-
Surgical appliances and supplies	3842	91.4	92.2	94.4	94.9	-	57.4	57.9	60.2	60.8	-
Ophthalmic goods	385	40.1	40.1	37.2	36.9	-	27.6	27.7	25.6	25.9	-
Photographic equipment and supplies	386	101.5	101.3	101.0	101.3	-	44.2	44.1	45.2	44.8	-
Watches, clocks, watchcases, and parts	387	11.1	10.9	10.3	10.1	-	8.3	8.2	8.0	7.8	-
Miscellaneous manufacturing industries	39	386.0	384.4	372.1	372.1	371.5	281.2	279.4	266.8	266.5	266.5
Jewelry, silverware, and plated ware	391	52.9	52.4	51.1	51.1	-	36.9	36.6	36.1	36.0	-
Jewelry, precious metal	3911	38.6	37.9	37.0	37.0	-	26.7	26.2	26.1	26.0	-
Musical instruments	393	12.0	12.1	11.7	11.7	-	9.8	9.9	9.6	9.6	-
Toys and sporting goods	394	105.1	104.7	103.1	103.2	-	76.3	76.2	74.8	74.9	-
Dolls, games, toys, and children's vehicles	3942,4	44.1	43.6	44.4	44.2	-	30.8	30.6	31.2	31.2	-
Sporting and athletic goods, nec	3949	61.0	61.1	58.7	59.0	-	45.5	45.6	43.6	43.7	-
Pens, pencils, office, and art supplies	395	35.0	35.1	33.3	33.3	-	24.7	24.6	23.2	23.2	-
Costume jewelry and notions	396	39.0	38.7	36.0	36.2	-	30.9	30.1	26.1	26.1	-
Costume jewelry	3961	25.5	24.5	23.3	23.4	-	20.4	19.0	16.4	16.4	-
Miscellaneous manufactures	399	142.0	141.4	136.9	136.6	-	102.6	102.0	97.0	96.7	-
Signs and advertising specialties	3993	58.5	57.7	54.1	54.1	-	40.8	40.2	37.2	37.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods		7,887	7,899	7,751	7,725	7,717	5,519	5,531	5,382	5,358	5,352
Food and kindred products	20	1,589.9	1,595.8	1,608.1	1,601.4	1,596.2	1,128.8	1,136.0	1,152.3	1,144.9	1,139.8
Meat products	201	410.9	410.4	424.0	424.9	-	348.4	348.0	362.2	362.7	-
Meat packing plants	2011	137.9	137.8	143.4	143.6	-	115.8	115.7	122.4	122.3	-
Sausages and other prepared meats	2013	82.8	82.7	83.5	84.3	-	61.2	61.2	62.7	63.4	-
Poultry slaughtering and processing	2015	190.2	189.9	197.1	197.0	-	171.4	171.1	177.1	177.0	-
Dairy products	202	152.8	153.4	149.6	150.1	-	93.0	94.1	91.4	92.1	-
Cheese, natural and processed	2022	41.0	40.9	40.0	40.0	-	31.3	31.4	30.9	31.1	-
Fluid milk	2026	74.0	73.6	72.6	72.5	-	36.5	36.7	36.0	36.1	-
Preserved fruits and vegetables	203	214.9	218.2	212.5	210.4	-	174.8	178.0	173.9	171.3	-
Canned specialties	2032	23.7	23.5	22.3	21.6	-	17.8	17.8	18.1	17.3	-
Canned fruits and vegetables	2033	65.1	66.7	64.6	63.7	-	53.4	55.3	53.2	52.3	-
Frozen fruits and vegetables	2037	48.7	50.1	47.1	46.1	-	42.2	43.4	40.4	39.3	-
Grain mill products	204	126.6	127.0	127.6	127.3	-	87.4	88.2	89.5	89.3	-
Flour and other grain mill products	2041	21.8	21.9	22.4	22.3	-	14.3	14.4	14.6	14.6	-
Prepared feeds, nec	2048	44.3	43.7	43.8	43.8	-	27.8	27.4	28.0	27.9	-
Bakery products	205	207.4	208.5	205.4	205.9	-	128.6	130.4	128.6	128.7	-
Bread, cake, and related products	2051	152.4	152.1	147.7	148.0	-	86.5	86.8	84.2	84.3	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	55.0	56.4	57.7	57.9	-	42.1	43.6	44.4	44.4	-
Sugar and confectionery products	206	100.7	97.4	113.4	107.2	-	77.7	74.3	88.7	82.9	-
Raw cane sugar	2061	6.0	6.1	7.4	6.9	-	4.2	4.3	5.6	5.2	-
Cane sugar refining	2062	5.3	5.3	5.3	5.4	-	4.0	4.1	3.9	3.9	-
Beet sugar	2063	8.1	7.8	11.4	8.9	-	6.6	6.2	9.7	7.2	-
Candy and other confectionery products	2064	52.0	48.6	59.7	56.9	-	42.3	39.0	48.4	46.0	-
Fats and oils	207	30.2	30.6	29.9	29.8	-	22.0	22.4	21.1	21.0	-
Beverages	208	183.1	184.0	178.9	180.3	-	76.2	77.1	74.3	75.5	-
Malt beverages	2082	40.3	40.7	39.0	39.3	-	24.1	24.6	22.9	23.4	-
Bottled and canned soft drinks	2086	102.7	103.5	100.6	101.6	-	32.9	33.6	32.5	32.9	-
Misc. food and kindred products	209	163.3	166.3	166.8	165.5	-	120.7	123.5	122.6	121.4	-
Tobacco products	21	45.5	43.1	47.3	44.2	43.3	33.7	31.4	35.3	32.0	31.1
Cigarettes	211	33.8	33.6	33.9	33.9	-	25.3	25.3	25.2	25.0	-
Textile mill products	22	707.1	707.1	666.5	666.0	669.0	607.6	608.0	570.2	569.8	573.0
Broadwoven fabric mills, cotton	221	93.1	92.1	88.3	87.6	-	83.8	83.0	78.6	78.1	-
Broadwoven fabric mills, synthetics	222	81.7	82.0	77.8	76.2	-	71.9	72.3	68.0	66.8	-
Broadwoven fabric mills, wool	223	17.7	17.7	17.2	17.2	-	14.1	14.2	13.9	14.1	-
Narrow fabric mills	224	24.2	24.4	24.0	24.1	-	20.3	20.4	20.4	20.5	-
Knitting mills	225	209.5	209.2	196.7	196.8	-	182.8	182.4	171.2	171.2	-
Women's hosiery, except socks	2251	32.9	32.9	32.0	31.9	-	29.3	29.3	28.6	28.5	-
Hosiery, nec	2252	39.2	38.8	37.5	37.3	-	35.3	34.8	33.2	33.0	-
Knit outerwear mills	2253	63.2	63.2	56.6	56.7	-	55.4	55.4	49.4	49.6	-
Knit underwear mills	2254	27.9	27.8	26.1	26.5	-	23.7	23.6	22.5	22.8	-
Weft knit fabric mills	2257	27.5	27.4	26.0	25.9	-	23.8	23.7	22.4	22.2	-
Textile finishing, except wool	226	61.3	61.3	59.2	59.6	-	49.6	49.7	48.2	48.2	-
Finishing plants, cotton	2261	25.8	25.8	25.1	25.6	-	20.6	20.7	20.4	20.5	-
Finishing plants, synthetics	2262	23.2	23.2	22.8	22.8	-	18.5	18.6	18.3	18.4	-
Carpets and rugs	227	65.2	65.4	61.4	61.5	-	53.3	53.8	50.2	50.2	-
Yarn and thread mills	228	103.0	103.7	93.1	93.0	-	92.1	92.8	82.7	82.5	-
Yarn spinning mills	2281	82.0	82.7	73.8	73.7	-	73.5	74.3	65.8	65.6	-
Throwing and winding mills	2282	14.6	14.6	13.5	13.5	-	12.9	12.8	11.8	11.8	-
Miscellaneous textile goods	229	51.4	51.3	48.8	50.0	-	39.7	39.4	37.0	38.2	-
Apparel and other textile products	23	1,038.0	1,038.9	994.0	991.8	988.6	871.6	871.5	829.8	828.4	826.1
Men's and boys' suits and coats	231	49.4	49.4	48.2	47.7	-	41.9	41.7	40.7	40.2	-
Men's and boys' furnishings	232	272.8	277.2	261.4	262.2	-	233.8	238.3	223.2	224.3	-
Men's and boys' shirts	2321	62.9	65.3	58.8	58.8	-	52.6	55.2	50.0	50.2	-
Men's and boys' trousers and slacks	2325	82.8	85.0	83.4	84.5	-	72.2	74.2	71.7	72.9	-
Men's and boys' work clothing	2326	44.9	44.8	43.1	42.7	-	38.7	38.7	37.3	37.0	-
Women's and misses' outerwear	233	329.3	325.4	321.3	319.9	-	274.7	271.7	268.2	266.9	-
Women's and misses' blouses and shirts	2331	40.7	39.8	38.5	38.6	-	33.3	32.6	31.5	31.6	-
Women's, juniors', and misses' dresses	2335	74.6	71.9	70.0	68.9	-	61.9	59.3	57.0	56.2	-
Women's and misses' suits and coats	2337	34.1	36.5	34.1	36.1	-	27.7	30.1	27.6	29.7	-
Women's and misses' outerwear, nec	2339	179.9	177.2	178.7	176.3	-	151.8	149.7	152.1	149.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	62.7	61.8	60.3	60.0	-	51.9	51.0	48.9	48.6	-
Women's and children's underwear	2341	49.8	49.3	48.4	48.2	-	43.1	42.6	41.1	40.9	-
Brassieres, girdles, and allied garments	2342	12.9	12.5	11.9	11.8	-	8.8	8.4	7.8	7.7	-
Girls' and children's outerwear	236	57.0	56.1	53.5	52.0	-	47.9	46.9	45.3	44.1	-
Girls' and children's dresses and blouses	2361	21.8	21.3	21.2	20.1	-	18.9	18.4	18.9	17.9	-
Misc. apparel and accessories	238	43.4	44.1	41.2	41.4	-	36.0	36.5	34.0	34.1	-
Misc. fabricated textile products	239	204.9	206.3	190.8	191.3	-	170.2	170.1	155.4	155.9	-
Curtains and draperies	2391	24.8	24.5	21.9	21.5	-	20.5	20.3	17.8	17.5	-
House furnishings, nec	2392	54.9	55.1	52.6	52.4	-	46.0	45.7	43.5	43.4	-
Automotive and apparel trimmings	2396	48.2	49.4	42.6	43.7	-	40.5	40.8	34.3	35.2	-
Paper and allied products	26	694.1	695.3	689.4	687.6	684.0	519.6	521.0	517.5	516.2	514.2
Paper mills	262	176.7	177.0	176.1	175.6	-	132.8	133.7	133.4	133.0	-
Paperboard mills	263	51.1	50.9	50.2	50.0	-	39.0	38.9	39.0	38.8	-
Paperboard containers and boxes	265	208.3	209.0	207.0	206.2	-	160.4	160.9	159.8	159.1	-
Corrugated and solid fiber boxes	2653	118.2	118.4	117.9	117.7	-	88.7	88.8	88.4	88.2	-
Sanitary food containers	2656	14.7	15.1	15.3	15.3	-	12.4	12.7	12.9	12.9	-
Folding paperboard boxes	2657	50.4	50.2	50.2	49.9	-	40.2	40.2	40.5	40.2	-
Misc. converted paper products	267	241.2	241.6	239.3	238.9	-	174.2	174.3	172.3	172.3	-
Paper, coated and laminated, nec	2672	43.7	43.7	44.3	44.1	-	21.0	21.1	21.4	21.2	-
Bags: plastics, laminated, and coated	2673	33.6	33.5	34.7	34.4	-	25.0	24.8	25.9	25.6	-
Envelopes	2677	27.3	27.4	26.7	26.5	-	21.1	21.1	20.8	20.5	-
Printing and publishing	27	1,579.7	1,580.6	1,557.0	1,551.7	1,548.8	878.0	878.9	855.1	853.2	851.1
Newspapers	271	475.8	475.3	468.5	466.1	-	165.5	164.6	162.0	161.4	-
Periodicals	272	131.1	131.2	130.8	129.5	-	48.0	48.1	48.1	46.5	-
Books	273	122.6	122.8	121.2	121.1	-	68.2	68.1	64.4	65.2	-
Book publishing	2731	86.7	87.1	85.5	85.5	-	38.7	38.8	35.9	36.5	-
Book printing	2732	35.9	35.7	35.7	35.6	-	29.5	29.3	28.5	28.7	-
Miscellaneous publishing	274	82.9	82.9	82.9	82.9	-	42.7	42.7	41.2	41.4	-
Commercial printing	275	552.7	554.1	542.7	542.2	-	401.0	403.0	392.2	391.5	-
Commercial printing, lithographic	2752	365.1	366.3	359.7	359.3	-	264.7	266.2	259.8	259.0	-
Commercial printing, nec	2759	172.3	172.4	168.0	168.0	-	124.2	124.6	120.3	120.5	-
Manifold business forms	276	49.0	48.9	47.4	47.3	-	33.9	33.8	33.0	32.9	-
Blankbooks and bookbinding	278	75.7	75.6	72.1	72.2	-	58.3	58.3	54.3	54.6	-
Printing trade services	279	64.3	64.1	63.5	62.7	-	47.6	47.3	45.9	45.5	-
Chemicals and allied products	28	1,080.9	1,080.7	1,081.8	1,080.9	1,081.8	600.1	599.2	588.0	586.5	585.7
Industrial inorganic chemicals	281	134.3	134.7	132.1	131.9	-	68.2	68.1	66.4	66.0	-
Industrial inorganic chemicals, nec	2819	90.2	90.5	88.3	88.2	-	47.3	47.6	46.0	45.5	-
Plastics materials and synthetics	282	184.8	184.8	183.6	182.8	-	119.5	119.9	115.6	114.4	-
Plastics materials and resins	2821	88.6	88.8	88.9	88.9	-	51.8	52.3	52.6	52.4	-
Organic fibers, noncellulosic	2824	66.5	66.5	64.5	63.7	-	46.8	46.9	43.1	42.3	-
Drugs	283	237.7	236.8	244.7	245.7	-	105.7	105.3	108.3	108.9	-
Pharmaceutical preparations	2834	197.9	196.6	201.8	202.5	-	88.9	88.4	91.5	92.0	-
Soap, cleaners, and toilet goods	284	157.1	156.9	155.9	155.2	-	97.3	96.8	95.8	94.9	-
Soap and other detergents	2841	42.7	42.5	44.7	44.6	-	27.2	27.1	28.9	28.7	-
Polishing, sanitation, and finishing preparations	2842,3	44.6	44.5	45.2	45.0	-	24.3	24.1	24.5	24.1	-
Toilet preparations	2844	69.8	69.9	66.0	65.6	-	45.8	45.6	42.4	42.1	-
Paints and allied products	285	62.3	62.4	61.1	60.9	-	31.4	31.4	30.4	30.5	-
Industrial organic chemicals	286	151.7	151.9	152.8	152.1	-	85.6	85.0	81.5	80.6	-
Cyclic crudes and intermediates	2865	29.0	29.0	30.3	30.2	-	17.4	17.4	17.4	17.3	-
Industrial organic chemicals, nec	2869	118.4	118.6	118.3	117.6	-	65.2	64.6	61.2	60.3	-
Agricultural chemicals	287	53.8	54.1	53.4	53.9	-	33.5	34.1	32.6	33.2	-
Miscellaneous chemical products	289	99.2	99.1	98.2	98.4	-	58.9	58.6	57.4	58.0	-
Petroleum and coal products	29	155.8	157.5	155.9	156.9	159.6	101.5	103.3	99.7	100.2	102.3
Petroleum refining	291	118.6	118.5	120.6	120.8	-	76.0	78.0	76.3	78.2	-
Asphalt paving and roofing materials	295	25.2	27.0	23.1	23.9	-	18.6	20.5	16.5	17.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods—Continued											
Rubber and misc. plastics products	30	865.7	871.0	834.9	829.3	831.0	670.6	674.8	639.6	633.6	636.0
Tires and inner tubes	301	82.8	85.5	85.8	85.3	-	60.7	62.9	62.4	61.9	-
Rubber and plastics footwear	302	11.1	11.0	11.0	11.0	-	9.0	8.9	8.9	8.8	-
Hose, belting, gaskets, and packing	305	57.3	58.0	55.4	54.7	-	41.6	42.1	40.0	39.5	-
Rubber and plastics hose and belting	3052	25.3	25.1	23.4	23.1	-	19.0	18.8	17.5	17.4	-
Fabricated rubber products, nec	306	104.2	104.2	97.2	95.8	-	78.1	78.2	72.2	71.2	-
Miscellaneous plastics products, nec	308	610.3	612.3	585.5	582.5	-	481.2	482.7	456.1	452.2	-
Leather and leather products	31	130.0	129.2	116.4	115.3	114.2	107.5	107.0	94.7	93.6	92.4
Leather tanning and finishing	311	15.1	15.1	13.5	13.4	-	12.6	12.5	11.0	11.0	-
Footwear, except rubber	314	72.4	72.2	65.2	64.4	-	61.6	61.6	55.2	54.2	-
Men's footwear, except athletic	3143	31.8	31.7	28.1	27.6	-	26.0	25.9	22.9	22.4	-
Women's footwear, except athletic	3144	26.1	26.0	24.2	23.9	-	23.0	23.0	20.9	20.5	-
Luggage	316	11.1	10.9	9.7	9.7	-	8.1	7.9	6.4	6.4	-
Handbags and personal leather goods	317	13.9	13.6	11.9	11.6	-	10.9	10.6	8.9	8.6	-
Transportation and public utilities		5,750	5,776	5,772	5,775	5,795	4,777	4,800	4,785	4,788	4,815
Transportation		3,544	3,566	3,569	3,570	3,590	-	-	-	-	-
Railroad transportation	40	283.5	285.8	271.3	272.7	-	-	-	-	-	-
Class I railroads ²	4011	240.0	241.7	229.2	230.2	-	-	-	-	-	-
Local and interurban passenger transit	41	346.5	340.8	363.9	368.5	-	316.6	310.9	334.9	339.8	-
Local and suburban transportation	411	133.4	133.8	139.0	138.9	-	119.7	120.2	126.2	126.1	-
Taxicabs	412	33.7	33.6	33.1	32.6	-	-	-	-	-	-
Intercity and rural bus transportation	413	19.4	18.5	17.9	17.8	-	16.1	15.5	15.8	15.8	-
School buses	415	131.3	125.9	144.8	148.2	-	-	-	-	-	-
Trucking and warehousing	42	1,609.0	1,623.5	1,606.1	1,607.8	-	1,399.9	1,412.6	1,389.8	1,391.0	-
Trucking and courier services, except air	421	1,489.6	1,504.2	1,486.1	1,489.0	-	1,300.7	1,313.6	1,291.0	1,293.1	-
Public warehousing and storage	422	115.7	115.6	116.3	115.1	-	96.0	95.8	95.5	94.6	-
Water transportation	44	168.5	170.4	163.7	160.2	-	-	-	-	-	-
Water transportation of freight, nec	444	13.6	13.1	13.4	13.6	-	-	-	-	-	-
Water transportation services	449	109.9	111.9	104.6	100.4	-	97.9	99.5	92.1	88.1	-
Transportation by air	45	764.0	771.8	764.7	782.2	-	-	-	-	-	-
Air transportation, scheduled	451	632.2	639.1	651.0	648.3	-	-	-	-	-	-
Airports, flying fields, and services	458	103.5	104.1	104.1	103.7	-	-	-	-	-	-
Pipelines, except natural gas	46	19.2	19.2	19.4	19.5	-	13.9	14.0	14.2	14.3	-
Transportation services	47	353.0	354.7	360.0	359.1	-	-	-	-	-	-
Freight transportation arrangement	473	132.2	131.4	136.3	136.5	-	106.4	106.3	107.2	107.2	-
Communications and public utilities		2,206	2,210	2,203	2,205	2,205	-	-	-	-	-
Communications	48	1,273.9	1,274.5	1,261.6	1,260.5	-	952.5	952.1	946.1	944.1	-
Telephone communications	481	878.5	878.9	865.6	865.1	-	632.9	632.7	624.8	623.6	-
Radio and television broadcasting	483	233.9	233.5	232.6	231.3	-	193.5	192.9	192.2	190.8	-
Radio broadcasting stations	4632	121.0	121.0	119.5	118.8	-	-	-	-	-	-
Television broadcasting stations	4833	112.9	112.5	113.1	112.5	-	-	-	-	-	-
Cable and other pay television services	464	125.8	126.5	129.9	130.6	-	104.2	104.6	109.1	109.7	-
Electric, gas, and sanitary services	49	932.5	935.3	941.4	944.9	-	736.9	739.7	742.5	745.5	-
Electric services	491	441.9	442.1	439.3	440.2	-	340.6	341.0	339.3	339.4	-
Gas production and distribution	492	165.2	165.8	167.0	166.9	-	128.9	129.4	129.8	130.0	-
Combination utility services	493	190.9	191.3	191.3	191.3	-	154.1	154.6	152.9	152.3	-
Sanitary services	495	105.3	106.8	114.2	116.8	-	90.7	92.1	97.6	100.6	-
Wholesale trade		6,326	6,345	6,219	6,219	6,220	5,072	5,093	4,972	4,975	4,975
Durable goods	50	3,765	3,765	3,674	3,669	3,663	2,998	2,999	2,906	2,904	-
Motor vehicles, parts, and supplies	501	449.9	450.2	441.6	441.4	-	362.9	363.6	354.9	354.3	-
Automobiles and other motor vehicles	5012	121.9	122.0	120.3	120.8	-	-	-	-	-	-
Motor vehicle supplies and new parts	5013	259.5	259.6	255.3	254.3	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	153.9	153.3	145.0	144.8	-	124.1	123.4	115.7	115.3	-
Furniture	5021	70.2	70.0	65.7	66.1	-	-	-	-	-	-
Home furnishings	5023	83.7	83.3	79.3	78.7	-	-	-	-	-	-
Lumber and other construction materials	503	236.4	238.6	227.8	228.0	-	192.9	194.9	183.6	184.2	-
Lumber, plywood, and millwork	5031	124.0	124.8	118.5	118.1	-	-	-	-	-	-
Construction materials, nec	5039	48.1	48.7	47.8	47.3	-	-	-	-	-	-
Professional and commercial equipment	504	796.6	791.8	779.5	777.8	-	642.2	638.9	629.4	628.6	-
Computers, peripherals and software	5045	313.8	308.6	294.9	293.4	-	-	-	-	-	-
Metals and minerals, except petroleum	505	143.5	143.6	137.2	137.4	-	113.9	114.1	108.1	108.0	-
Electrical goods	506	541.1	540.0	539.0	538.3	-	410.2	408.2	401.3	402.3	-
Electrical apparatus and equipment	5063	208.5	208.8	208.3	208.4	-	-	-	-	-	-
Electrical appliances, television and radio sets	5064	70.4	69.2	68.3	68.1	-	-	-	-	-	-
Electronic parts and equipment	5065	262.2	262.0	262.4	261.8	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	284.4	284.6	273.5	272.1	-	229.3	229.9	218.8	217.6	-
Hardware	5072	96.3	96.4	92.1	91.3	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	119.6	119.2	114.4	113.9	-	-	-	-	-	-
Machinery, equipment, and supplies	508	854.8	857.6	838.0	837.5	-	680.9	682.1	662.8	662.7	-
Construction and mining machinery	5082	87.0	87.9	83.0	82.6	-	-	-	-	-	-
Farm and garden machinery	5083	119.0	121.5	116.3	117.5	-	-	-	-	-	-
Industrial machinery and equipment	5084	364.5	363.5	356.9	356.0	-	-	-	-	-	-
Industrial supplies	5085	152.2	151.9	151.4	151.0	-	-	-	-	-	-
Misc. wholesale trade durable goods	509	304.0	305.4	292.7	291.9	-	242.0	243.4	231.4	231.2	-
Scrap and waste materials	5093	111.9	112.5	110.8	109.7	-	-	-	-	-	-
Nondurable goods	51	2,561	2,580	2,545	2,550	2,557	2,074	2,094	2,066	2,071	-
Paper and paper products	511	232.3	232.3	229.2	228.3	-	185.8	185.7	184.8	183.9	-
Drugs, proprietaries, and sundries	512	187.9	187.7	188.5	189.2	-	156.8	157.0	157.7	158.6	-
Apparel, piece goods, and notions	513	212.1	211.9	207.8	208.9	-	165.8	164.6	164.0	165.4	-
Groceries and related products	514	836.0	842.4	829.0	827.6	-	699.0	704.9	691.7	690.7	-
Groceries, general line	5141	271.8	272.0	275.4	275.2	-	-	-	-	-	-
Meats and meat products	5147	62.8	62.8	62.4	62.0	-	-	-	-	-	-
Fresh fruits and vegetables	5148	96.4	100.4	92.0	91.3	-	-	-	-	-	-
Chemicals and allied products	516	129.0	129.4	129.1	128.9	-	92.1	92.8	92.9	93.0	-
Petroleum and petroleum products	517	210.3	211.2	210.5	208.9	-	166.4	167.3	166.8	165.3	-
Petroleum bulk stations and terminals	5171	92.4	93.0	94.5	93.8	-	-	-	-	-	-
Petroleum products, nec	5172	117.9	118.2	116.0	115.1	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	150.1	151.6	153.1	154.5	-	122.4	123.9	125.1	126.3	-
Beer and ale	5181	95.3	96.5	96.9	97.9	-	-	-	-	-	-
Wine and distilled beverages	5182	54.8	55.1	56.2	56.6	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	519	484.3	492.9	480.6	487.2	-	389.2	398.8	387.1	392.5	-
Farm supplies	5191	161.4	171.1	161.2	166.2	-	-	-	-	-	-
Retail trade	52	19,361	19,561	19,094	19,115	19,252	17,112	17,298	16,830	16,844	16,978
Building materials and garden supplies	52	778.9	804.6	729.8	742.4	-	644.0	667.4	596.8	607.9	-
Lumber and other building materials	521	433.7	442.6	402.2	403.4	-	363.6	372.3	334.5	335.5	-
Hardware stores	525	165.7	168.9	163.9	165.3	-	136.6	139.1	133.9	134.9	-
General merchandise stores	53	2,404.3	2,410.2	2,304.1	2,262.0	2,269.0	2,247.7	2,248.2	2,158.4	2,119.5	-
Department stores	531	1,990.3	1,994.6	1,902.9	1,866.3	-	1,875.5	1,874.8	1,798.1	1,764.2	-
Variety stores	533	210.4	210.8	201.1	200.1	-	193.0	193.6	183.2	182.1	-
Miscellaneous general merchandise stores	539	203.6	204.8	200.1	195.6	-	179.2	179.8	177.1	173.2	-
Food stores	54	3,234.2	3,252.2	3,271.8	3,263.4	3,260.1	2,970.3	2,987.6	3,005.2	2,997.2	-
Grocery stores	541	2,872.1	2,880.7	2,903.4	2,892.4	-	2,651.8	2,659.8	2,683.7	2,673.2	-
Meat and fish markets	542	55.9	57.5	55.6	55.8	-	-	-	-	-	-
Dairy products stores	545	22.6	23.9	23.5	23.6	-	-	-	-	-	-
Retail bakeries	546	176.1	177.3	176.3	178.3	-	156.9	158.3	156.6	158.3	-
Automotive dealers and service stations	55	2,097.9	2,109.2	2,063.9	2,062.1	2,073.8	1,744.7	1,756.5	1,710.2	1,707.6	-
New and used car dealers	551	940.0	939.2	923.0	917.3	-	779.5	779.6	763.8	758.5	-
Auto and home supply stores	553	350.2	355.9	349.5	351.1	-	280.0	285.2	277.1	278.7	-
Gasoline service stations	554	635.8	636.8	623.4	621.4	-	548.6	549.9	536.8	534.0	-
Automotive dealers, nec	559	13.2	13.6	14.6	14.7	-	10.8	11.2	11.8	11.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Retail trade—Continued											
Apparel and accessory stores	56	1,135.7	1,141.2	1,071.2	1,067.9	-	949.3	953.2	882.4	880.9	-
Men's and boys' clothing stores	561	102.8	101.6	92.2	91.1	-	82.1	81.0	73.4	73.1	-
Women's clothing stores	562	396.2	396.6	366.5	367.8	-	328.8	329.4	300.2	301.5	-
Family clothing stores	565	264.5	265.3	257.3	257.1	-	226.8	227.7	220.3	219.8	-
Shoe stores	566	223.9	227.4	212.3	210.5	-	186.2	188.4	168.9	168.6	-
Furniture and home furnishings stores	57	830.8	826.8	808.5	805.6	-	681.2	676.5	657.4	654.3	-
Furniture and home furnishings stores	571	472.1	470.0	459.1	459.2	-	384.8	382.3	369.5	369.6	-
Furniture stores	5712	288.7	288.1	282.1	282.1	-	-	-	-	-	-
Household appliance stores	572	80.7	79.2	71.8	70.8	-	66.8	65.2	59.0	57.8	-
Radio, television, and computer stores	573	278.0	277.6	277.6	275.6	-	229.6	229.0	228.9	226.9	-
Radio, television, and electronic stores	5731	122.0	121.3	125.0	124.3	-	102.4	101.9	105.4	104.4	-
Record and prerecorded tape stores	5735	59.2	59.4	57.5	56.5	-	50.3	50.3	47.5	47.0	-
Eating and drinking places	58	6,414.5	6,544.1	6,359.6	6,455.2	6,566.8	5,812.3	5,938.8	5,747.7	5,832.2	-
Miscellaneous retail establishments	59	2,464.4	2,473.0	2,485.1	2,456.3	-	2,062.6	2,070.2	2,071.4	2,043.9	-
Drug stores and proprietary stores	591	616.8	614.8	623.1	623.3	-	518.9	516.5	522.3	523.1	-
Liquor stores	592	121.3	122.1	122.1	122.4	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	862.9	861.6	865.9	857.0	-	715.8	714.7	716.5	707.4	-
Sporting goods and bicycle shops	5941	162.7	162.0	162.5	161.2	-	-	-	-	-	-
Book stores	5942	93.5	92.4	95.1	93.7	-	-	-	-	-	-
Stationery stores	5943	83.9	83.3	82.4	81.0	-	-	-	-	-	-
Jewelry stores	5944	153.9	153.3	153.2	152.0	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	171.9	176.0	172.3	172.1	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	63.6	63.5	66.0	65.9	-	-	-	-	-	-
Nonstore retailers	596	269.5	267.5	247.7	243.3	-	237.6	235.3	217.4	213.0	-
Catalog and mail-order houses	5961	136.0	135.2	122.3	118.1	-	-	-	-	-	-
Merchandising machine operators	5962	84.2	83.8	80.1	79.7	-	-	-	-	-	-
Fuel dealers	598	116.0	113.0	116.4	114.4	-	96.9	94.2	97.3	95.1	-
Retail stores, nec	599	410.4	425.1	439.7	426.2	-	338.4	352.8	359.2	347.3	-
Finance, insurance, and real estate²		6,774	6,794	6,764	6,779	6,799	4,914	4,933	4,875	4,889	4,918
Finance		3,326	3,327	3,322	3,323	3,324	-	-	-	-	-
Depository institutions	60	2,293.0	2,291.1	2,283.2	2,281.0	-	1,663.8	1,662.9	1,650.9	1,649.6	-
Commercial banks	602	1,553.8	1,553.3	1,550.1	1,550.5	-	1,105.0	1,105.3	1,100.7	1,101.9	-
State commercial banks	6022	667.3	668.0	665.3	665.0	-	-	-	-	-	-
Savings institutions	603	475.2	472.3	456.0	452.5	-	-	-	-	-	-
Federal savings institutions	6035	236.8	235.3	228.0	225.9	-	-	-	-	-	-
Savings institutions, except federal	6036	238.4	237.0	228.0	226.6	-	-	-	-	-	-
Credit unions	606	133.9	134.2	137.2	137.5	-	107.3	107.5	109.7	109.8	-
Nondepository institutions	61	373.2	372.8	370.0	370.8	-	270.6	270.0	268.4	269.9	-
Personal credit institutions	614	131.2	130.3	131.5	131.6	-	97.8	97.1	99.4	99.5	-
Business credit institutions	615	81.4	81.5	83.8	83.8	-	-	-	-	-	-
Mortgage bankers and brokers	616	151.1	151.5	145.6	146.3	-	-	-	-	-	-
Security and commodity brokers	62	425.0	424.8	418.6	419.5	-	-	-	-	-	-
Security brokers and dealers	621	323.4	322.3	316.3	316.9	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges	622,3	26.2	26.2	24.0	23.8	-	-	-	-	-	-
Security and commodity services	628	75.4	76.3	78.3	78.8	-	47.7	47.8	48.2	49.0	-
Holding and other investment offices	67	234.4	237.8	250.5	251.7	-	-	-	-	-	-
Insurance	63,64	2,133	2,132	2,159	2,163	2,163	-	-	-	-	-
Insurance carriers	63	1,475.3	1,473.3	1,498.1	1,499.0	-	989.8	988.5	1,005.7	1,007.5	-
Life insurance	631	561.2	555.6	565.4	565.8	-	344.6	339.6	342.6	342.5	-
Medical service and health insurance	632	240.8	242.7	255.9	256.8	-	195.2	196.8	208.7	209.5	-
Fire, marine, and casualty insurance	633	554.0	555.4	563.6	563.7	-	358.3	359.5	367.2	368.5	-
Title insurance	636	66.5	67.0	58.5	57.9	-	-	-	-	-	-
Insurance agents, brokers, and service	64	658.1	659.0	660.7	663.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Finance, insurance, and real estate—Continued											
Real estate	65	1,315	1,335	1,283	1,293	1,312	-	-	-	-	-
Real estate operators and lessors	651	556.1	570.1	556.6	564.3	-	-	-	-	-	
Real estate agents and managers	653	572.9	572.4	551.7	551.5	-	-	-	-	-	
Subdividers and developers	655	153.6	159.7	144.2	146.6	-	-	-	-	-	
Services		27,866	28,041	28,355	28,532	28,725	24,320	24,481	24,682	24,849	25,021
Hotels and other lodging places	70	1,566.1	1,582.1	1,509.7	1,527.8	-	-	-	-	-	
Hotels and motels	701	1,520.3	1,533.0	1,466.2	1,481.7	-	1,346.8	1,358.1	1,289.6	1,304.6	
Personal services	72	1,120.9	1,126.0	1,130.2	1,130.1	-	-	-	-	-	
Laundry, cleaning, and garment services	721	419.8	422.9	422.5	421.5	-	373.6	376.0	373.4	372.7	
Photographic studios, portrait	722	66.6	66.4	67.8	68.9	-	-	-	-	-	
Beauty shops	723	371.5	371.8	379.2	379.7	-	331.4	331.9	339.8	341.2	
Funeral service and crematories	726	83.9	84.1	85.6	86.0	-	-	-	-	-	
Miscellaneous personal services	729	155.0	156.7	151.2	150.3	-	138.3	140.3	135.2	133.8	
Business services	73	4,959.9	4,982.3	4,900.7	4,916.5	4,945.5	4,345.9	4,366.2	4,258.9	4,274.6	
Advertising	731	239.0	238.5	235.8	234.7	-	173.1	172.4	167.2	166.4	
Advertising agencies	7311	172.4	171.8	168.4	168.0	-	-	-	-	-	
Credit reporting and collection	732	104.6	104.4	106.3	107.2	-	-	-	-	-	
Mailing, reproduction, and stenographic services	733	244.7	245.8	256.5	259.7	-	-	-	-	-	
Services to buildings	734	794.0	797.4	773.3	773.8	-	720.4	723.9	698.5	698.4	
Personnel supply services	736	1,381.9	1,385.5	1,247.0	1,256.4	-	-	-	-	-	
Employment agencies	7361	233.0	230.9	211.1	213.6	-	-	-	-	-	
Help supply services	7363	1,148.9	1,154.6	1,035.9	1,042.8	-	1,109.9	1,115.0	994.3	1,001.7	
Computer and data processing services	737	789.6	791.8	834.0	836.5	-	614.8	615.0	649.1	651.1	
Prepackaged software	7372	110.4	111.0	120.7	121.2	-	-	-	-	-	
Data processing and preparation	7374	210.6	209.9	216.3	216.2	-	-	-	-	-	
Miscellaneous business services	738	1,195.2	1,202.3	1,240.7	1,238.7	-	1,058.4	1,066.3	1,096.2	1,093.6	
Detective and armored car services	7381	438.6	439.9	471.2	469.7	-	411.7	413.2	441.7	440.4	
Photofinishing laboratories	7384	77.8	78.3	76.5	75.9	-	-	-	-	-	
Auto repair, services, and parking	75	918.2	919.7	915.6	911.1	-	759.1	759.6	751.7	746.6	
Automotive rentals, without drivers	751	188.1	189.3	193.4	193.6	-	-	-	-	-	
Automotive repair shops	753	526.0	527.7	524.0	521.4	-	431.2	432.5	426.5	423.8	
Miscellaneous repair services	76	382.0	384.5	377.3	378.2	-	313.7	316.1	308.2	308.4	
Electrical repair shops	762	126.3	126.6	132.5	133.4	-	-	-	-	-	
Motion pictures	78	391.0	392.7	391.9	390.2	-	330.5	331.5	325.0	322.7	
Motion picture production and services	781	148.3	146.0	157.1	155.4	-	121.1	118.9	125.0	122.6	
Motion picture theaters	783	107.0	110.2	105.6	106.5	-	-	-	-	-	
Amusement and recreation services	79	1,044.6	1,082.4	1,038.5	1,070.5	-	912.4	948.9	904.3	934.5	
Misc. amusement and recreation services	799	700.2	723.8	676.2	701.5	-	611.3	633.8	586.8	610.0	
Health services	80	7,930.3	7,967.3	8,456.3	8,510.2	8,543.5	7,048.6	7,080.5	7,516.6	7,567.6	
Offices and clinics of medical doctors	801	1,372.9	1,381.2	1,485.9	1,497.3	-	1,133.0	1,140.3	1,224.4	1,235.3	
Offices and clinics of dentists	802	515.6	516.2	534.9	539.8	-	452.3	452.3	469.3	474.0	
Nursing and personal care facilities	805	1,426.1	1,431.6	1,525.8	1,536.5	-	1,287.4	1,293.1	1,376.5	1,385.7	
Skilled nursing care facilities	8051	984.9	988.0	1,050.2	1,057.6	-	-	-	-	-	
Nursing and personal care, nec	8059	238.7	240.3	258.1	259.0	-	-	-	-	-	
Hospitals	806	3,613.8	3,624.5	3,800.0	3,814.4	-	3,308.0	3,315.8	3,484.7	3,497.3	
General medical and surgical hospitals	8062	3,342.1	3,351.4	3,515.1	3,527.7	-	-	-	-	-	
Psychiatric hospitals	8063	100.0	100.9	101.8	102.4	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	171.7	172.2	183.1	184.3	-	-	-	-	-	
Medical and dental laboratories	807	175.2	175.9	190.7	190.7	-	-	-	-	-	
Home health care services	808	283.7	287.5	324.2	332.0	-	261.8	265.4	299.0	306.2	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Services—Continued											
Legal services	81	920.7	919.7	934.5	935.9	-	761.2	759.5	765.1	765.5	-
Educational services	82	1,806.8	1,793.2	1,820.5	1,828.7	-	-	-	-	-	-
Elementary and secondary schools	821	467.8	466.0	471.7	472.6	-	-	-	-	-	-
Colleges and universities	822	1,128.1	1,117.5	1,135.2	1,142.6	-	-	-	-	-	-
Vocational schools	824	95.8	94.7	92.1	91.9	-	-	-	-	-	-
Social services	83	1,816.0	1,825.7	1,933.6	1,953.7	-	-	-	-	-	-
Individual and family services	832	446.9	447.9	467.5	472.0	-	-	-	-	-	-
Job training and related services	833	244.5	244.1	239.6	241.0	-	-	-	-	-	-
Residential care	836	456.6	460.1	508.3	513.8	-	-	-	-	-	-
Museums and botanical and zoological gardens	84	59.1	61.6	58.0	59.8	-	-	-	-	-	-
Membership organizations	86	1,823.5	1,821.7	1,828.4	1,832.2	-	-	-	-	-	-
Business associations	861	101.7	101.5	101.0	101.2	-	-	-	-	-	-
Labor organizations	863	137.6	134.7	131.8	135.1	-	-	-	-	-	-
Civic and social associations	864	410.5	408.0	416.1	415.2	-	-	-	-	-	-
Engineering and management services	87	2,455.2	2,453.7	2,424.2	2,429.1	-	1,874.0	1,874.3	1,847.8	1,854.2	-
Engineering and architectural services	871	788.2	791.2	767.6	764.6	-	644.9	648.4	627.6	626.0	-
Accounting, auditing, and bookkeeping	872	567.2	562.7	553.7	555.3	-	430.2	427.1	419.2	420.8	-
Research and testing services	873	538.4	539.6	538.5	541.2	-	388.9	390.2	389.3	392.2	-
Commercial physical research	8731	223.4	224.5	225.4	226.0	-	-	-	-	-	-
Noncommercial research organizations	8733	146.8	146.5	147.8	148.8	-	-	-	-	-	-
Management and public relations	874	561.4	560.2	564.4	568.0	-	410.0	408.6	411.7	415.2	-
Services, nec	89	39.6	39.4	38.0	38.1	-	32.0	31.7	29.5	29.6	-
Government		18,536	18,603	18,645	18,741	18,688	-	-	-	-	-
Federal Government²		3,082	3,149	2,936	2,942	2,941	-	-	-	-	-
Executive, by agency ⁴		3,022.1	3,088.6	2,874.7	-	-	-	-	-	-	-
Department of Defense		963.1	957.5	915.3	-	-	-	-	-	-	-
Postal Service ⁵		820.2	819.4	610.7	-	-	-	-	-	-	-
Other executive agencies		1,238.8	1,311.7	1,148.7	-	-	-	-	-	-	-
Legislative		37.5	37.5	37.3	-	-	-	-	-	-	-
Judicial		21.9	22.5	24.2	-	-	-	-	-	-	-
Federal Government, by industry											
Manufacturing activities		110.9	110.0	104.4	103.6	-	-	-	-	-	-
Ship building and repairing	3731	68.6	68.1	63.7	63.5	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		38.7	38.8	37.9	38.4	-	-	-	-	-	-
Services		387.9	388.2	384.5	386.0	-	-	-	-	-	-
Hospitals	806	227.3	227.5	230.4	231.4	-	-	-	-	-	-
State government		4,364	4,366	4,427	4,450	4,440	-	-	-	-	-
Hospitals	806	454.3	452.4	455.8	455.1	-	-	-	-	-	-
Education	82	1,808.5	1,805.7	1,821.2	1,840.1	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,584.5	1,590.0	1,625.8	1,630.0	-	-	-	-	-	-
Local government		11,090	11,088	11,282	11,349	11,307	-	-	-	-	-
Transportation and public utilities		486.9	485.4	486.0	486.2	-	-	-	-	-	-
Hospitals	806	664.2	666.3	690.5	693.9	-	-	-	-	-	-
Education	82	6,333.3	6,313.9	6,474.9	6,522.3	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,275.1	3,290.4	3,325.6	3,339.7	-	-	-	-	-	-

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 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 reflect the 1967 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1989 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Jan. 1990	Feb. 1990	Dec. 1990	Jan. 1991	Feb. 1991
Total	51,399	51,648	53,280	52,228	52,315
Total private	41,857	41,900	43,237	42,348	42,241
Goods-producing	8,934	6,940	6,827	6,735	6,693
Mining	95	96	99	99	100
Construction	548	547	558	544	538
Manufacturing	6,291	6,297	6,170	6,092	6,055
Durable goods	2,993	3,005	2,907	2,873	2,846
Lumber and wood products	118	117	115	112	108
Furniture and fixtures	162	161	154	152	148
Stone, clay, and glass products	109	108	106	103	103
Primary metal industries	101	102	101	100	99
Fabricated metal products	312	313	308	304	297
Industrial machinery and equipment	465	467	449	447	446
Electronic and other electrical equipment	739	733	704	697	692
Transportation equipment	394	409	390	384	378
Instruments and related products	418	416	407	403	402
Miscellaneous manufacturing	176	179	176	172	173
Nondurable goods	3,298	3,292	3,263	3,219	3,209
Food and kindred products	518	511	532	515	512
Tobacco products	17	16	17	17	16
Textile mill products	344	344	332	330	326
Apparel and other textile products	832	828	792	784	787
Paper and allied products	169	171	170	169	169
Printing and publishing	693	694	699	693	689
Chemicals and allied products	321	324	329	325	327
Petroleum and coal products	25	26	26	26	26
Rubber and misc. plastics products	303	303	296	293	289
Leather and leather products	76	76	69	68	68
Service-producing	44,465	44,708	46,453	45,493	45,622
Transportation and public utilities	1,674	1,681	1,753	1,740	1,725
Wholesale trade	1,938	1,934	1,955	1,919	1,912
Retail trade	10,376	10,193	10,860	10,279	10,090
Finance, insurance, and real estate	4,258	4,265	4,315	4,301	4,300
Services	16,677	16,887	17,527	17,374	17,521
Government	9,542	9,748	10,043	9,880	10,074
Federal	1,174	1,180	1,220	1,213	1,215
State	2,075	2,152	2,203	2,149	2,217
Local	6,293	6,416	6,620	6,518	6,642

NOTE: Establishment survey estimates reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1989 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total	110,177	110,617	110,829	110,740	110,613	110,612	110,432	110,165	110,004	109,813	109,527	109,286	109,162
Total private	91,922	92,120	92,282	92,300	92,320	92,306	92,112	91,840	91,701	91,501	91,183	90,930	90,831
Goods-producing	25,180	25,191	25,162	25,105	25,013	24,931	24,777	24,511	24,416	24,193	24,068	23,899	23,833
Mining	734	738	744	745	735	736	733	738	740	737	740	738	735
Oil and gas extraction	405	408	413	413	410	410	411	414	414	415	417	417	414
Construction	5,256	5,286	5,270	5,229	5,194	5,176	5,093	5,029	4,983	4,841	4,866	4,792	4,771
General building contractors	1,338	1,334	1,334	1,319	1,307	1,306	1,278	1,254	1,243	1,222	1,218	1,204	1,196
Manufacturing	19,190	19,167	19,148	19,131	19,084	19,019	18,951	18,744	18,693	18,615	18,462	18,369	18,327
Durable goods	11,229	11,217	11,201	11,179	11,129	11,068	11,026	10,865	10,831	10,775	10,641	10,577	10,549
Lumber and wood products	750	748	743	742	739	737	730	716	712	704	693	689	689
Furniture and fixtures	516	516	515	511	513	510	507	496	494	491	481	479	481
Stone, clay, and glass products	560	559	556	552	551	547	546	541	538	529	526	518	516
Primary metal industries	755	755	756	759	755	751	751	744	738	738	722	720	717
Blast furnaces and basic steel products	271	271	270	271	271	270	271	271	269	267	259	258	255
Fabricated metal products	1,419	1,417	1,415	1,419	1,419	1,410	1,405	1,389	1,382	1,378	1,350	1,342	1,338
Industrial machinery and equipment	2,112	2,112	2,108	2,104	2,096	2,082	2,081	2,067	2,058	2,055	2,040	2,029	2,014
Electronic and other electrical equipment	1,713	1,711	1,703	1,695	1,685	1,674	1,665	1,652	1,644	1,638	1,629	1,618	1,616
Transportation equipment	2,014	2,010	2,021	2,015	1,997	1,981	1,969	1,897	1,904	1,888	1,849	1,836	1,837
Motor vehicles and equipment	820	817	826	824	814	806	803	746	762	753	730	728	739
Instruments and related products	1,005	1,002	1,000	996	990	991	988	983	982	976	974	972	969
Miscellaneous manufacturing	385	387	384	386	384	385	384	380	379	380	377	374	372
Nonurable goods	7,961	7,950	7,947	7,952	7,955	7,951	7,925	7,879	7,862	7,840	7,821	7,792	7,778
Food and kindred products	1,651	1,650	1,643	1,645	1,650	1,652	1,654	1,647	1,654	1,655	1,663	1,659	1,652
Tobacco products	46	46	47	46	46	47	46	46	47	46	46	45	46
Textile mill products	708	703	702	702	701	697	686	687	680	675	668	667	670
Apparel and other textile products	1,036	1,031	1,029	1,027	1,026	1,027	1,021	1,008	1,000	995	994	991	986
Paper and allied products	699	698	699	701	702	700	698	696	694	694	693	691	687
Printing and publishing	1,579	1,581	1,582	1,583	1,582	1,581	1,579	1,572	1,570	1,565	1,557	1,550	1,547
Chemicals and allied products	1,084	1,085	1,086	1,088	1,086	1,088	1,087	1,087	1,088	1,087	1,086	1,083	1,085
Petroleum and coal products	159	159	160	160	161	161	161	161	161	160	160	160	161
Rubber and misc. plastics products	869	868	871	874	874	873	869	855	849	845	837	830	829
Leather and leather products	130	129	128	126	125	125	122	120	119	118	117	116	115
Service-producing	84,997	85,426	85,667	85,635	85,600	85,681	85,655	85,654	85,588	85,620	85,459	85,387	85,329
Transportation and public utilities	5,809	5,833	5,846	5,841	5,846	5,870	5,870	5,866	5,862	5,883	5,843	5,831	5,828
Transportation	3,588	3,613	3,627	3,625	3,631	3,652	3,652	3,653	3,668	3,663	3,627	3,613	3,612
Communications and public utilities	2,221	2,220	2,219	2,216	2,215	2,218	2,216	2,213	2,214	2,220	2,216	2,218	2,216
Wholesale trade	6,363	6,369	6,383	6,374	6,376	6,370	6,355	6,343	6,331	6,292	6,271	6,252	6,237
Durable goods	3,771	3,770	3,779	3,775	3,770	3,763	3,752	3,742	3,735	3,710	3,692	3,676	3,670
Nonurable goods	2,592	2,599	2,604	2,599	2,606	2,607	2,603	2,601	2,596	2,582	2,579	2,576	2,567
Retail trade	19,778	19,795	19,822	19,851	19,846	19,844	19,792	19,739	19,670	19,682	19,564	19,505	19,466
General merchandise stores	2,493	2,487	2,496	2,494	2,493	2,486	2,466	2,444	2,402	2,396	2,375	2,346	2,346
Food stores	3,287	3,295	3,302	3,304	3,301	3,304	3,307	3,317	3,313	3,312	3,302	3,300	3,296
Automotive dealers and service stations	2,118	2,121	2,120	2,131	2,135	2,140	2,130	2,126	2,121	2,106	2,093	2,083	2,082
Eating and drinking places	6,573	6,583	6,598	6,619	6,613	6,623	6,633	6,620	6,627	6,629	6,611	6,600	6,600
Finance, insurance, and real estate	6,823	6,838	6,844	6,842	6,852	6,851	6,843	6,833	6,829	6,829	6,824	6,825	6,828
Finance	3,336	3,338	3,344	3,341	3,349	3,346	3,341	3,341	3,336	3,335	3,332	3,330	3,334
Insurance	2,135	2,139	2,143	2,147	2,151	2,152	2,152	2,151	2,152	2,160	2,161	2,165	2,165
Real estate	1,352	1,361	1,357	1,354	1,352	1,350	1,345	1,341	1,341	1,334	1,331	1,330	1,329
Services	27,969	28,094	28,225	28,287	28,387	28,440	28,475	28,546	28,573	28,622	28,613	28,618	28,639
Business services	5,028	5,048	5,060	5,051	5,052	5,071	5,062	5,046	5,018	5,013	4,985	4,976	4,990
Health services	7,984	8,040	8,096	8,132	8,191	8,237	8,294	8,335	8,395	8,438	8,473	8,519	8,561
Government	18,255	18,497	18,547	18,440	18,293	18,306	18,320	18,325	18,303	18,312	18,344	18,356	18,331
Federal	3,151	3,346	3,338	3,164	3,045	2,999	2,983	2,961	2,943	2,951	2,951	2,951	2,944
State	4,252	4,262	4,296	4,296	4,305	4,309	4,323	4,323	4,325	4,333	4,332	4,333	4,323
Local	10,852	10,889	10,913	10,976	10,943	10,998	11,014	11,041	11,035	11,028	11,061	11,072	11,064

^P = preliminary.

NOTE: Establishment survey estimates reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark

levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1986 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1990												1991	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total	51,844	51,968	52,082	52,295	52,507	52,597	52,620	52,642	52,610	52,582	52,552	52,543	52,499	
Total private	42,347	42,405	42,459	42,538	42,697	42,750	42,812	42,852	42,833	42,786	42,763	42,746	42,683	
Goods-producing	7,003	6,988	6,983	6,974	6,969	6,964	6,952	6,936	6,896	6,839	6,818	6,803	6,752	
Mining	97	98	98	98	99	99	100	99	98	98	99	100	101	
Construction	564	563	563	566	565	564	563	566	564	561	560	558	554	
Manufacturing	6,342	6,327	6,322	6,310	6,305	6,301	6,289	6,271	6,234	6,180	6,159	6,145	6,097	
Durable goods	3,017	3,013	3,006	3,001	2,999	2,995	2,977	2,962	2,947	2,911	2,896	2,890	2,857	
Lumber and wood products	120	120	120	120	120	121	119	118	117	116	115	114	111	
Furniture and fixtures	161	161	160	160	161	159	161	159	158	154	153	152	148	
Stone, clay, and glass products	110	110	109	109	108	107	108	109	108	107	105	105	104	
Primary metal industries	102	103	103	103	103	104	102	102	102	102	101	101	100	
Fabricated metal products	315	315	315	314	314	315	315	313	312	308	307	306	299	
Industrial machinery and equipment	466	463	462	460	459	459	457	453	453	449	447	448	445	
Electronic and other electrical equipment	736	735	733	732	729	726	719	714	711	705	700	697	694	
Transportation equipment	408	408	408	408	411	411	408	406	402	389	387	387	377	
Instruments and related products	417	417	416	415	415	413	410	409	407	405	404	403	403	
Miscellaneous manufacturing	182	181	180	180	179	180	178	179	177	176	177	177	176	
Nondurable goods	3,325	3,314	3,316	3,309	3,306	3,306	3,312	3,309	3,287	3,269	3,263	3,255	3,240	
Food and kindred products	537	537	538	537	532	534	536	538	536	532	536	536	538	
Tobacco products	16	16	15	15	16	16	16	16	15	15	16	16	16	
Textile mill products	346	344	343	341	341	341	343	340	334	335	332	332	327	
Apparel and other textile products	827	818	818	814	813	808	811	812	804	797	790	788	786	
Paper and allied products	173	173	173	173	173	174	174	173	172	172	170	172	171	
Printing and publishing	694	695	696	696	697	698	697	697	697	696	696	694	689	
Chemicals and allied products	326	326	327	327	327	329	328	329	329	328	330	328	329	
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	
Rubber and misc. plastics products	303	303	304	305	306	307	308	306	303	297	296	293	289	
Leather and leather products	77	76	76	75	75	73	73	72	71	70	70	69	68	
Service-producing	44,841	44,980	45,099	45,321	45,538	45,633	45,668	45,706	45,714	45,743	45,734	45,740	45,747	
Transportation and public utilities	1,687	1,690	1,692	1,702	1,713	1,711	1,721	1,731	1,733	1,739	1,744	1,747	1,730	
Wholesale trade	1,947	1,950	1,949	1,950	1,957	1,956	1,955	1,957	1,953	1,949	1,943	1,931	1,924	
Retail trade	10,484	10,474	10,483	10,482	10,504	10,518	10,498	10,503	10,479	10,443	10,402	10,393	10,381	
Finance, insurance, and real estate	4,287	4,295	4,303	4,309	4,314	4,322	4,332	4,326	4,325	4,322	4,311	4,323	4,322	
Services	16,939	17,008	17,049	17,121	17,240	17,279	17,354	17,399	17,447	17,494	17,545	17,549	17,574	
Government	9,497	9,563	9,623	9,757	9,810	9,847	9,808	9,790	9,777	9,796	9,789	9,797	9,816	
Federal	1,189	1,234	1,269	1,366	1,362	1,335	1,272	1,249	1,233	1,223	1,218	1,220	1,225	
State	2,097	2,104	2,107	2,115	2,134	2,133	2,138	2,145	2,149	2,155	2,156	2,162	2,161	
Local	6,211	6,225	6,247	6,276	6,314	6,379	6,398	6,396	6,395	6,418	6,415	6,415	6,430	

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 reflect the 1987 Standard Industrial

Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1986 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	74,496	74,651	74,827	74,799	74,779	74,753	74,606	74,342	74,195	73,998	73,706	73,489	73,419
Goods-producing	17,667	17,673	17,651	17,613	17,527	17,435	17,314	17,076	16,993	16,779	16,682	16,548	16,489
Mining	527	530	537	537	528	528	531	531	534	530	532	529	525
Construction	4,094	4,120	4,107	4,066	4,031	4,008	3,934	3,874	3,833	3,684	3,720	3,660	3,629
Manufacturing	13,046	13,023	13,007	13,010	12,968	12,899	12,849	12,671	12,626	12,565	12,430	12,359	12,335
Durable goods	7,461	7,450	7,439	7,438	7,395	7,337	7,308	7,171	7,146	7,104	6,985	6,943	6,930
Lumber and wood products	619	617	612	610	607	606	599	588	584	576	566	563	563
Furniture and fixtures	409	408	408	404	406	403	400	390	386	385	377	375	377
Stone, clay, and glass products	436	434	432	429	428	426	425	420	418	409	407	399	397
Primary metal industries	574	574	574	577	572	570	570	563	558	558	544	542	539
Blast furnaces and basic steel products	208	208	207	208	207	207	208	207	206	204	197	196	193
Fabricated metal products	1,047	1,045	1,043	1,047	1,046	1,039	1,034	1,021	1,016	1,013	984	977	976
Industrial machinery and equipment	1,274	1,274	1,270	1,271	1,263	1,247	1,247	1,238	1,230	1,226	1,217	1,211	1,202
Electronic and other electrical equipment	1,082	1,080	1,078	1,073	1,065	1,056	1,052	1,040	1,034	1,023	1,017	1,009	1,010
Transportation equipment	1,239	1,238	1,250	1,253	1,239	1,224	1,220	1,156	1,166	1,157	1,123	1,118	1,119
Motor vehicles and equipment	628	626	634	633	622	615	614	562	576	569	548	544	557
Instruments and related products	502	499	495	493	490	487	484	481	481	483	480	481	480
Miscellaneous manufacturing	279	281	277	281	279	279	277	274	273	274	270	268	267
Nondurable goods	5,585	5,573	5,568	5,572	5,573	5,562	5,541	5,500	5,480	5,461	5,445	5,416	5,405
Food and kindred products	1,188	1,187	1,179	1,182	1,187	1,189	1,190	1,186	1,192	1,194	1,203	1,199	1,191
Tobacco products	33	34	34	34	35	35	34	34	35	34	34	33	33
Textile mill products	609	604	603	602	602	598	589	589	582	579	572	570	574
Apparel and other textile products	869	865	863	860	860	859	854	842	836	829	830	826	823
Paper and allied products	525	523	525	526	527	526	525	521	520	522	521	520	518
Printing and publishing	875	876	877	880	879	875	874	869	865	862	854	851	848
Chemicals and allied products	601	601	600	602	597	597	597	595	594	591	590	587	588
Petroleum and coal products	104	104	105	105	105	105	105	106	105	103	104	103	104
Rubber and misc. plastics products	673	672	676	677	678	676	673	660	654	650	642	633	633
Leather and leather products	108	107	106	104	103	102	100	98	97	97	95	94	93
Service-producing	56,829	56,978	57,176	57,186	57,252	57,318	57,292	57,266	57,202	57,219	57,024	56,941	56,930
Transportation and public utilities	4,831	4,848	4,866	4,852	4,843	4,868	4,870	4,874	4,892	4,892	4,858	4,846	4,844
Wholesale trade	5,109	5,106	5,130	5,118	5,117	5,109	5,095	5,084	5,074	5,045	5,022	5,015	4,990
Retail trade	17,517	17,533	17,563	17,588	17,573	17,570	17,525	17,461	17,405	17,393	17,279	17,223	17,202
Finance, insurance, and real estate	4,961	4,970	4,970	4,965	4,973	4,964	4,957	4,947	4,930	4,938	4,934	4,933	4,948
Services	24,411	24,521	24,647	24,663	24,746	24,807	24,845	24,900	24,901	24,951	24,931	24,924	24,946

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 reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1986 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 nonfarm payrolls, 356 industries¹												
Over 1-month span:												
1989	64.5	58.7	58.0	57.0	55.6	57.3	55.8	57.7	50.0	55.2	59.6	56.6
1990	55.6	58.6	53.7	49.9	55.8	49.9	50.8	48.2	45.8	42.3	38.8	41.4
1991	41.7	38.5	^P 36.9	^P 44.7								
Over 3-month span:												
1989	65.3	64.2	60.0	60.1	59.7	58.3	59.7	54.5	55.2	55.8	57.7	60.3
1990	58.4	56.7	54.8	53.1	53.7	55.3	50.1	45.2	40.9	36.8	35.0	35.3
1991	31.3	^P 31.0	^P 33.0									
Over 6-month span:												
1989	67.6	65.4	65.0	61.0	61.2	58.7	57.0	58.1	56.2	58.3	57.4	58.4
1990	57.3	56.5	55.5	55.9	51.4	48.3	45.4	39.9	36.8	33.6	29.9	^P 27.0
1991	^P 27.5											
Over 12-month span:												
1989	67.1	67.7	65.3	64.6	64.9	61.2	60.0	59.8	58.6	57.3	56.7	56.0
1990	54.8	54.1	54.1	50.0	46.8	43.3	40.4	37.1	^P 33.8	^P 32.4		
1991												
Manufacturing payrolls, 139 industries¹												
Over 1-month span:												
1989	60.4	48.6	50.4	47.1	45.3	45.7	45.0	45.7	34.2	48.6	43.5	48.2
1990	42.4	45.7	45.3	46.8	45.7	40.3	48.2	40.6	38.1	36.3	25.2	34.2
1991	37.4	31.3	^P 30.2	^P 41.4								
Over 3-month span:												
1989	54.0	54.7	45.3	43.9	43.2	42.8	41.7	33.1	36.3	34.9	41.7	39.2
1990	40.3	37.1	44.2	41.4	40.6	44.2	39.9	33.8	29.1	21.2	20.5	20.1
1991	21.2	^P 19.1	^P 22.7									
Over 6-month span:												
1989	56.5	49.6	49.3	43.5	42.1	37.1	36.7	34.9	34.2	35.3	33.1	36.0
1990	37.1	35.6	36.3	43.2	36.1	31.7	28.4	19.8	21.9	17.3	15.8	^P 12.2
1991	^P 11.9											
Over 12-month span:												
1989	53.6	55.0	49.3	45.3	43.9	39.9	37.1	35.6	33.8	32.4	30.9	31.7
1990	31.3	31.3	30.6	27.0	21.2	18.0	18.3	14.4	^P 10.4	^P 10.8		
1991												

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 reflect the 1967 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1989) and all seasonally adjusted data (beginning January 1986) are subject to revision.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Alabama	1,615.6	1,626.9	1,631.0	12.7	12.7	12.6	82.0	77.6	79.5
Birmingham	416.3	419.9	421.6	5.9	5.5	5.5	23.4	22.7	22.9
Huntsville	133.7	133.6	133.5	(¹)	(¹)	(¹)	5.4	5.2	5.2
Mobile	173.5	178.5	179.5	(¹)	(¹)	(¹)	10.4	10.5	10.9
Montgomery	133.4	135.5	135.3	(¹)	(¹)	(¹)	7.1	7.3	7.3
Tuscaloosa	66.4	66.6	66.3	3.2	3.4	3.3	4.2	3.8	3.9
Alaska	225.6	227.4	230.3	10.4	11.3	11.4	8.2	7.9	8.4
Arizona	1,489.7	1,518.9	1,527.2	12.2	12.7	12.8	81.2	76.7	76.8
Phoenix	981.5	1,001.2	1,003.7	.8	.7	.7	54.3	50.2	49.6
Tucson	256.2	258.8	262.2	2.1	2.2	2.3	14.4	14.5	14.7
Arkansas	911.7	930.1	937.9	4.0	3.7	3.8	34.3	34.7	35.6
Fayetteville-Springdale	55.6	56.6	56.6	(¹)	(¹)	(¹)	1.7	1.8	1.7
Fort Smith	78.9	79.0	79.4	1.0	.9	.9	2.5	2.6	2.7
Little Rock-North Little Rock	249.9	254.0	254.8	(¹)	(¹)	(¹)	9.9	10.6	10.7
Pine Bluff	34.2	33.5	34.0	(¹)	(¹)	(¹)	1.6	1.1	1.1
California	12,822.8	12,791.1	12,834.4	39.4	38.1	38.2	662.6	611.2	611.1
Anaheim-Santa Ana	1,216.5	1,204.6	1,207.1	1.3	1.2	1.2	71.0	58.8	58.9
Bakersfield	171.0	173.6	174.6	14.1	14.3	14.3	11.1	11.1	11.2
Fresno	224.0	236.0	237.7	.6	.6	.6	13.8	14.0	13.9
Los Angeles-Long Beach	4,303.3	4,263.1	4,277.8	8.5	8.3	8.2	161.3	153.0	154.4
Modesto	116.5	118.4	118.6	(²)	(²)	(²)	8.7	8.0	8.1
Oakland	891.1	903.8	905.7	3.4	2.9	2.9	49.6	48.1	47.3
Oxnard-Ventura	235.6	233.8	234.0	2.4	2.2	2.1	17.5	16.4	16.5
Riverside-San Bernardino	732.2	754.2	757.4	1.4	1.4	1.4	67.2	58.9	59.2
Sacramento	624.2	625.5	628.1	.5	.5	.5	39.3	33.9	33.2
Salinas-Seaside-Monterey	111.4	113.5	113.7	.3	.3	.3	4.5	4.5	4.5
San Diego	993.9	987.4	991.4	.7	.7	.7	62.7	57.6	57.2
San Francisco	969.6	973.2	976.8	.6	.6	.6	35.9	36.2	36.3
San Jose	835.4	823.7	828.1	.2	.2	.3	33.3	32.2	32.8
Santa Barbara-Santa Maria-Lompoc	151.8	151.5	152.0	1.2	1.2	1.2	7.5	7.0	7.0
Santa Rosa-Petaluma	140.8	148.1	148.7	.5	.5	.5	10.2	9.7	9.8
Stockton	152.6	154.7	153.8	.1	.1	.1	9.0	9.0	8.6
Vallejo-Fairfield-Napa	137.4	140.5	141.1	.6	.5	.4	10.6	10.9	10.8
Colorado	1,502.6	1,532.9	1,538.5	19.3	19.5	19.4	55.6	58.9	59.8
Boulder-Longmont	116.3	117.0	117.8	(¹)	(¹)	(¹)	3.5	3.3	3.4
Denver	824.7	841.8	844.5	10.8	11.2	11.2	29.0	31.6	32.1
Connecticut	1,637.6	1,599.5	1,604.8	.9	.7	.7	59.6	48.5	48.4
Bridgeport-Milford	193.1	187.0	187.0	(²)	(²)	(²)	6.6	6.0	6.1
Hartford	478.8	465.6	464.0	(¹)	(¹)	(¹)	16.2	12.6	12.3
New Britain	64.4	61.3	61.8	(²)	(²)	(²)	3.9	3.0	3.2
New Haven-Meriden	258.4	251.8	250.4	(¹)	(¹)	(¹)	10.2	7.7	7.5
Stamford	119.8	117.6	118.1	(¹)	(¹)	(¹)	4.1	3.6	3.7
Waterbury	84.4	80.5	81.0	(²)	(²)	(²)	3.3	2.7	2.7
Delaware	345.4	334.0	341.4	.1	.1	.1	19.8	17.9	18.2
Wilmington	298.5	289.3	296.8	.2	.2	.2	17.3	15.2	15.7
District of Columbia	688.6	681.2	685.9	.1	.1	.1	14.8	13.9	13.9
Washington MSA	2,234.4	2,202.3	2,214.2	1.3	1.1	1.1	138.9	117.2	117.9
Florida	5,445.9	5,406.1	5,421.1	9.1	8.1	8.1	333.9	279.0	274.7
Daytona Beach	127.6	129.3	129.8	(²)	(²)	(²)	7.9	7.5	7.4
Fort Lauderdale-Hollywood-Pompano Beach	523.8	520.9	519.3	.3	.2	.2	33.6	29.7	28.7
Fort Myers-Cape Coral	130.9	135.6	136.4	(²)	(²)	(²)	13.2	12.2	12.3
Gainesville	102.2	101.9	101.9	(²)	(²)	(²)	4.4	4.0	3.9
Jacksonville	422.1	424.3	425.1	.7	.6	.6	27.2	22.9	23.2
Lakeland-Winter Haven	157.5	158.6	159.1	4.1	3.7	3.8	8.5	8.1	8.1
Melbourne-Titusville-Palm Bay	166.0	163.8	163.9	(²)	(²)	(²)	9.2	7.9	7.9
Miami-Hialeah	891.3	877.5	876.1	.9	.8	.8	39.8	36.0	35.9
Orlando	568.9	567.8	570.1	(²)	(²)	(²)	38.1	33.7	33.2
Pensacola	130.7	130.1	130.5	.4	.4	.4	8.1	7.3	7.3
Sarasota	119.0	121.8	122.4	(²)	(²)	(²)	9.7	9.1	9.0
Tallahassee	125.5	127.2	127.9	(²)	(²)	(²)	5.9	5.4	5.4
Tampa-St. Petersburg-Clearwater	887.2	890.7	893.1	.6	.5	.5	50.4	45.6	44.7
West Palm Beach-Boca Raton-DeLray Beach	368.7	369.0	369.3	(²)	(²)	(²)	26.2	22.1	21.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Alabama	377.5	375.0	375.3	82.8	84.0	84.2	347.5	348.2	348.1
Birmingham	56.8	55.7	55.9	32.5	32.4	32.4	98.6	97.8	97.7
Huntsville	33.0	31.7	31.1	3.2	3.2	3.1	24.5	24.7	25.0
Mobile	26.8	27.8	28.1	10.1	10.4	10.5	46.0	46.2	46.1
Montgomery	17.3	17.9	17.2	5.6	5.7	5.6	30.4	30.1	30.1
Tuscaloosa	10.2	10.2	10.3	2.1	2.1	2.1	13.5	14.2	14.2
Alaska	14.6	13.9	15.0	18.8	19.3	19.5	43.1	43.6	44.3
Arizona	185.5	182.2	182.0	82.4	81.7	81.9	366.8	378.3	379.7
Phoenix	138.3	135.7	135.8	58.2	58.3	58.0	245.2	255.0	256.0
Tucson	27.0	25.9	25.8	9.6	9.4	9.4	60.3	60.7	60.7
Arkansas	230.0	231.1	231.7	54.9	56.2	56.1	202.5	204.7	207.5
Fayetteville-Springdale	14.0	14.1	14.2	4.9	4.9	4.8	12.0	12.3	12.3
Fort Smith	24.9	24.2	24.5	4.6	4.8	4.7	16.5	16.1	16.2
Little Rock-North Little Rock	33.1	32.6	32.7	16.5	16.3	16.4	60.2	60.5	60.5
Pine Bluff	6.4	6.0	6.3	2.6	2.6	2.6	7.2	7.2	7.3
California	2,133.5	2,059.0	2,054.2	622.4	625.4	625.6	2,992.4	2,980.2	2,983.5
Anaheim-Santa Ana	253.8	249.9	248.7	37.6	38.0	38.0	301.0	299.1	299.5
Bakersfield	10.7	10.8	10.9	8.1	8.3	8.3	39.7	40.7	40.8
Fresno	24.5	25.5	25.4	12.3	12.9	12.7	56.6	59.2	59.6
Los Angeles-Long Beach	873.7	829.9	826.6	221.0	221.3	221.3	963.9	954.2	955.0
Modesto	23.8	23.5	23.6	5.0	5.2	5.2	30.1	31.1	30.6
Oakland	112.5	112.5	112.3	60.0	61.9	62.2	215.6	220.5	219.9
Oxnard-Ventura	33.5	31.9	31.7	12.1	12.3	12.2	57.1	57.7	57.9
Riverside-San Bernardino	88.2	88.9	89.1	35.0	35.7	35.8	181.4	187.8	187.6
Sacramento	44.3	44.0	44.4	28.1	28.3	28.4	143.3	145.3	145.5
Salinas-Seaside-Monterey	9.8	9.9	9.9	4.6	4.8	4.8	29.5	30.0	30.1
San Diego	137.9	133.1	132.9	37.0	36.8	37.0	236.0	233.6	234.1
San Francisco	79.9	78.9	78.7	78.3	77.7	77.8	211.6	209.5	209.9
San Jose	265.1	258.9	259.7	22.5	23.0	22.9	169.0	166.4	166.5
Santa Barbara-Santa Maria-Lompoc	21.9	21.7	21.7	5.5	5.5	5.4	34.0	34.0	34.1
Santa Rosa-Petaluma	21.3	21.8	21.9	6.4	6.8	6.8	35.8	38.9	39.1
Stockton	23.2	23.8	23.6	8.6	8.8	8.6	35.3	35.2	35.1
Vallejo-Fairfield-Napa	12.3	12.4	12.3	5.0	5.0	5.1	33.7	35.1	35.3
Colorado	192.1	191.3	191.2	95.7	97.0	96.8	363.1	369.0	369.5
Boulder-Longmont	30.2	29.9	29.9	2.3	2.3	2.3	24.4	24.8	24.8
Denver	94.5	93.1	92.9	69.7	70.1	69.9	199.9	203.7	204.7
Connecticut	347.0	332.0	331.6	73.6	72.4	73.0	361.5	353.1	353.2
Bridgeport-Milford	51.8	47.9	47.1	8.2	8.2	8.3	43.2	42.4	42.5
Hartford	83.2	82.1	82.1	19.4	18.7	18.9	103.0	97.5	97.0
New Britain	18.6	17.9	17.9	3.3	3.2	3.3	13.3	13.2	13.2
New Haven-Meriden	45.2	42.4	42.2	17.5	16.9	16.9	55.8	52.7	53.1
Stamford	19.7	19.0	18.8	6.1	6.3	6.3	27.0	27.2	27.2
Waterbury	21.2	18.3	18.4	3.5	3.4	3.4	17.4	17.0	17.1
Delaware	72.7	65.9	71.0	15.4	15.1	15.3	73.2	73.1	72.9
Wilmington	62.5	56.2	61.7	16.8	16.7	17.0	60.3	60.2	59.9
District of Columbia	15.9	15.5	15.6	24.1	23.4	23.6	62.0	59.6	59.9
Washington MSA	88.4	85.3	84.8	106.7	106.6	107.0	429.4	422.4	424.0
Florida	529.5	506.9	504.0	275.7	268.1	269.1	1,475.0	1,461.8	1,465.6
Daytona Beach	12.3	12.6	12.5	4.2	4.3	4.3	38.3	37.3	38.4
Fort Lauderdale-Hollywood-Pompano Beach	43.9	43.2	42.7	23.5	23.3	23.1	152.8	153.8	153.3
Fort Myers-Cape Coral	6.1	5.9	5.9	5.5	5.8	5.8	39.5	42.4	42.8
Gainesville	5.6	5.5	5.4	1.9	1.9	2.0	21.8	21.4	21.2
Jacksonville	36.4	35.4	35.1	28.3	29.0	29.2	111.4	115.0	114.9
Lakeland-Winter Haven	22.8	22.6	22.2	7.5	7.6	7.5	44.0	44.6	44.9
Melbourne-Titusville-Palm Bay	30.5	29.7	29.7	4.4	4.6	4.5	39.1	38.8	38.9
Miami-Hialeah	90.0	87.3	87.5	72.3	66.0	65.9	239.9	236.8	235.7
Orlando	55.1	52.4	52.1	29.5	29.0	29.1	149.0	147.7	148.3
Pensacola	12.0	11.4	11.4	6.8	6.4	6.4	32.1	32.1	32.6
Sarasota	8.5	8.7	8.7	3.7	3.7	3.7	35.8	35.9	36.2
Tallahassee	4.7	4.4	4.3	3.1	3.1	3.1	26.7	27.3	27.4
Tampa-St. Petersburg-Clearwater	93.3	90.0	90.2	41.4	40.9	41.1	244.8	247.2	248.0
West Palm Beach-Boca Raton-Delray Beach	33.3	33.0	32.5	14.3	15.0	15.0	100.4	100.5	100.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Alabama	73.1	73.6	73.2	312.5	322.6	324.4	327.5	333.2	333.7
Birmingham	30.4	30.6	30.7	103.5	107.6	109.1	65.2	67.6	67.4
Huntsville	3.9	3.8	3.9	32.6	32.9	33.0	31.1	32.1	32.2
Mobile	8.0	8.0	7.8	42.5	43.9	44.4	29.7	31.7	31.7
Montgomery	8.1	8.4	8.3	30.1	31.1	31.3	34.8	35.0	35.5
Tuscaloosa	2.1	2.2	2.1	10.3	9.8	9.7	20.8	20.9	20.7
Alaska	10.1	10.2	10.2	48.6	49.7	50.1	71.8	71.5	71.4
Arizona	93.7	95.2	95.2	402.7	418.2	420.4	265.2	273.9	278.4
Phoenix	74.7	76.0	76.0	274.0	283.0	284.5	138.0	142.3	143.1
Tucson	11.6	11.6	11.6	74.0	77.5	77.7	57.2	57.0	60.0
Arkansas	37.9	38.2	38.2	185.5	196.4	199.0	182.8	165.1	166.0
Fayetteville-Springdale	1.6	1.7	1.7	9.6	9.7	9.7	11.8	12.1	12.2
Fort Smith	2.7	2.7	2.6	18.2	19.1	19.1	8.5	8.6	8.7
Little Rock-North Little Rock	15.5	15.6	15.8	65.2	67.1	67.5	49.5	51.3	51.4
Pine Bluff	1.2	1.2	1.2	7.4	7.2	7.2	7.8	8.2	8.3
California	842.0	844.0	844.8	3,442.2	3,521.2	3,549.4	2,088.3	2,112.0	2,127.6
Anaheim-Santa Ana	102.0	103.2	103.2	321.9	324.6	327.6	127.9	129.8	130.0
Bakersfield	6.7	6.7	6.7	36.1	36.5	36.8	44.5	45.2	45.6
Fresno	12.9	13.7	13.7	52.4	55.4	56.2	50.9	54.7	55.6
Los Angeles-Long Beach	292.6	292.6	293.2	1,238.3	1,263.5	1,274.5	544.0	540.3	544.6
Modesto	4.9	4.9	4.8	24.2	24.9	25.1	19.8	20.8	21.2
Oakland	57.6	57.4	57.5	223.1	229.9	232.0	169.3	170.6	171.6
Oxnard-Ventura	12.7	12.1	12.1	56.4	56.9	56.9	43.9	44.3	44.6
Riverside-San Bernardino	31.8	33.8	33.7	178.1	192.4	193.4	149.1	155.5	157.2
Sacramento	40.4	41.9	41.7	142.3	144.3	146.0	186.0	187.3	188.4
Salinas-Seaside-Monterey	6.2	6.5	6.5	28.5	28.7	28.8	28.0	28.8	28.8
San Diego	68.1	66.7	66.9	272.5	278.1	280.7	179.0	180.8	181.9
San Francisco	108.6	108.5	108.8	314.6	321.2	322.6	140.1	140.6	142.1
San Jose	32.7	32.2	32.2	223.2	220.7	223.0	89.4	90.1	90.7
Santa Barbara-Santa Maria-Lompoc	8.8	8.6	8.6	43.2	43.8	44.2	29.9	29.7	29.8
Santa Rosa-Petaluma	8.5	8.9	9.0	33.5	36.3	36.3	24.6	25.2	25.3
Stockton	9.7	9.6	9.6	33.1	33.7	33.6	33.6	34.5	34.6
Vallejo-Fairfield-Napa	5.0	5.2	5.2	31.7	33.6	33.9	38.5	37.8	38.1
Colorado	97.3	97.4	97.5	398.3	412.2	415.3	281.2	287.6	289.0
Boulder-Longmont	4.2	4.2	4.2	28.2	28.6	28.9	23.5	23.9	24.3
Denver	64.2	64.7	64.7	226.5	233.0	234.4	130.1	134.4	134.6
Connecticut	152.3	147.6	147.6	428.6	432.3	436.0	214.1	212.9	214.3
Bridgeport-Milford	11.9	11.3	11.3	50.9	51.3	51.9	20.5	19.9	19.8
Hartford	75.1	73.5	73.5	117.7	116.6	115.5	64.2	64.6	64.7
New Britain	3.6	2.8	2.8	14.7	14.5	14.4	7.0	6.7	7.0
New Haven-Meriden	16.8	16.4	16.2	80.4	83.6	82.8	32.5	31.9	31.7
Stamford	14.0	14.0	14.1	38.0	37.0	37.5	10.9	10.5	10.5
Waterbury	4.8	4.4	4.4	21.3	21.7	21.9	12.9	13.0	13.1
Delaware	31.2	31.9	32.3	84.0	83.3	84.0	49.0	46.7	47.6
Wilmington	27.8	28.9	29.2	74.8	74.5	75.0	38.8	37.4	38.1
District of Columbia	34.2	32.8	33.0	260.9	260.2	263.1	276.6	275.7	276.7
Washington MSA	131.4	128.6	128.4	752.8	751.3	759.3	585.5	589.8	591.7
Florida	370.9	365.6	364.0	1,598.5	1,642.8	1,656.4	853.3	873.8	879.2
Daytona Beach	5.8	5.6	5.6	37.8	39.6	39.1	21.3	22.4	22.5
Fort Lauderdale-Hollywood-Pompano Beach	40.7	40.1	39.9	157.2	159.0	159.3	71.8	71.6	72.1
Fort Myers-Cape Coral	9.3	9.1	9.1	37.4	39.1	39.2	19.8	21.0	21.2
Gainesville	4.5	4.5	4.5	25.7	26.0	26.3	38.2	38.5	38.5
Jacksonville	41.1	42.1	41.4	112.9	114.7	115.7	64.1	64.6	65.0
Lakeland-Winter Haven	9.1	9.0	8.9	38.4	39.0	39.5	23.1	24.0	24.2
Melbourne-Titusville-Palm Bay	5.8	5.5	5.5	53.0	53.6	53.6	23.9	23.7	23.8
Miami-Hialeah	71.2	70.2	70.2	254.5	257.5	256.7	122.9	122.9	123.4
Oriando	32.6	32.1	31.9	198.8	205.7	208.0	65.7	67.1	67.4
Pensacola	5.6	5.7	5.7	34.3	35.2	35.0	31.4	31.6	31.7
Sarasota	8.3	8.2	8.3	39.5	42.2	42.2	13.4	14.0	14.3
Tallahassee	5.2	5.2	5.3	27.3	28.1	28.2	52.3	53.4	53.9
Tampa-St. Petersburg-Clearwater	64.5	64.2	64.3	275.7	284.9	286.4	116.5	117.4	117.9
West Palm Beach-Boca Raton-Delray Beach	29.4	28.3	28.1	118.3	122.6	124.1	46.8	47.5	48.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Georgia	2,978.9	2,939.2	2,946.0	8.7	8.4	8.5	145.7	133.8	132.3
Albany	49.6	50.9	50.8	(?)	(?)	(?)	2.4	3.0	3.0
Athens	68.6	67.5	67.2	.1	.1	.1	2.6	2.6	2.7
Atlanta	1,472.1	1,456.2	1,462.1	1.2	1.1	1.1	67.5	60.0	59.8
Augusta	179.7	181.0	180.8	.5	.6	.6	17.1	18.2	18.2
Columbus	96.0	95.9	96.3	.1	.1	.1	5.1	5.4	5.5
Macon-Warner Robins	126.6	127.8	128.3	.2	.1	.1	5.4	4.6	4.7
Savannah	110.6	113.9	114.2	(?)	(?)	(?)	8.5	11.3	11.3
Hawaii	525.1	534.9	535.7	(?)	(?)	(?)	31.3	32.4	32.5
Honolulu	408.5	414.4	414.8	(?)	(?)	(?)	23.9	24.0	24.1
Idaho	372.8	387.1	390.3	3.6	3.5	3.5	15.3	17.2	17.4
Boise City	103.1	106.2	108.1	(?)	(?)	(?)	5.4	5.0	5.2
Illinois	5,228.4	5,212.8	5,235.6	19.2	19.1	19.2	199.9	195.7	199.2
Aurora-Elgin	147.0	147.1	148.2	(?)	(?)	(?)	7.7	7.4	7.7
Bloomington-Normal	66.1	66.8	66.4	(?)	(?)	(?)	1.5	1.5	1.5
Champaign-Urbana-Rantoul	90.9	91.1	92.3	(?)	(?)	(?)	2.4	2.2	2.3
Chicago	3,173.3	3,165.5	3,175.7	2.0	2.0	2.0	121.4	116.5	118.4
Davenport-Rock Island-Moline	160.2	160.8	160.8	(?)	(?)	(?)	4.6	4.8	4.9
Decatur	53.3	53.4	53.5	(?)	(?)	(?)	2.8	2.9	2.9
Joliet	104.4	103.8	104.3	(?)	(?)	(?)	7.1	7.0	7.1
Kankakee	35.6	36.2	36.2	(?)	(?)	(?)	1.6	1.7	1.7
Lake County	215.1	214.6	215.8	(?)	(?)	(?)	10.6	10.5	10.8
Peoria	148.5	147.9	148.5	(?)	(?)	(?)	6.5	7.0	7.1
Rockford	135.5	133.1	132.6	(?)	(?)	(?)	4.7	5.5	5.4
Springfield	104.4	105.3	105.3	(?)	(?)	(?)	3.1	3.3	3.3
Indiana	2,491.9	2,482.0	2,489.4	7.8	7.3	7.3	105.5	105.3	107.9
Anderson	50.5	50.1	49.5	(?)	(?)	(?)	1.3	1.1	1.2
Bloomington	55.4	56.8	56.3	(?)	(?)	(?)	2.1	2.1	2.2
Elkhart-Goshen	101.8	98.8	99.6	(?)	(?)	(?)	3.0	3.0	3.0
Evansville	132.9	134.2	134.9	2.1	1.8	1.8	6.6	5.6	5.9
Fort Wayne	199.8	198.6	199.1	(?)	(?)	(?)	8.8	8.8	9.1
Gary-Hammond	242.8	243.6	243.9	(?)	(?)	(?)	13.5	14.0	14.5
Indianapolis	661.2	667.0	670.1	.8	.7	.8	34.2	34.3	35.3
Kokomo	46.3	45.4	45.3	(?)	(?)	(?)	1.2	1.2	1.1
Lafayette-West Lafayette	71.0	70.8	70.4	(?)	(?)	(?)	2.6	2.5	2.6
Muncie	54.0	54.1	54.0	(?)	(?)	(?)	2.0	2.0	2.0
South Bend-Mishawaka	117.9	119.2	119.5	(?)	(?)	(?)	5.5	6.2	6.5
Terre Haute	57.7	58.6	58.4	.5	.5	.4	2.2	2.2	2.3
Iowa	1,203.3	1,213.5	1,220.7	1.8	1.8	1.9	36.0	35.9	36.9
Cedar Rapids	92.2	93.9	94.0	(?)	(?)	(?)	3.8	4.4	4.4
Des Moines	228.7	232.8	233.0	(?)	(?)	(?)	8.0	9.0	8.8
Dubuque	44.4	44.9	45.5	(?)	(?)	(?)	1.3	1.5	1.6
Iowa City	56.0	54.9	56.0	(?)	(?)	(?)	1.4	1.5	1.5
Sioux City	55.1	55.4	55.6	(?)	(?)	(?)	1.9	2.2	2.3
Waterloo-Cedar Falls	69.3	71.4	71.1	(?)	(?)	(?)	2.0	2.1	2.1
Kansas	1,080.4	1,081.7	1,090.8	9.5	10.3	10.3	38.0	37.8	39.5
Lawrence	36.5	37.3	37.3	(?)	(?)	(?)	1.4	1.5	1.5
Topeka	91.8	88.9	89.6	(?)	(?)	(?)	3.4	2.9	3.1
Wichita	240.4	244.5	245.8	1.7	2.0	2.0	8.7	9.4	9.8
Kentucky	1,454.9	1,469.6	1,476.2	35.6	35.2	35.4	62.5	63.3	64.2
Lexington-Fayette	199.0	196.7	197.9	.3	.2	.2	9.9	9.6	9.9
Louisville	470.5	480.9	481.6	.5	.5	.5	22.1	22.2	22.2
Owensboro	36.1	36.0	35.8	.5	.4	.4	2.2	2.0	2.0
Louisiana	1,567.2	1,611.8	1,614.4	54.8	55.9	55.7	88.3	93.1	93.8
Alexandria	46.6	46.5	46.6	.1	.1	.1	3.3	3.1	3.3
Baton Rouge	233.3	238.9	239.9	.8	.8	.9	27.6	27.0	27.1
Houma-Thibodaux	56.2	57.9	58.4	5.4	5.6	5.7	1.7	2.1	2.1
Lafayette	94.2	99.2	99.7	11.9	13.0	12.9	3.8	4.3	4.6
Lake Charles	65.4	67.9	68.1	1.3	1.4	1.4	5.3	7.0	7.2
Monroe	58.9	58.3	58.5	.4	.4	.4	2.7	2.5	2.7
New Orleans	529.1	540.3	542.0	13.7	14.1	14.2	23.0	23.2	23.6
Shreveport	131.1	133.1	131.0	3.2	3.2	3.2	5.7	5.7	5.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Georgia	564.0	537.3	536.0	195.1	190.4	190.7	733.4	725.2	724.6
Albany	7.8	8.1	8.1	2.9	2.8	2.9	11.8	11.9	12.0
Athens	15.4	14.9	14.8	2.0	1.8	1.9	15.1	14.9	14.8
Atlanta	176.0	185.8	165.8	127.1	122.8	123.2	398.7	393.0	392.7
Augusta	40.7	41.2	41.0	4.8	4.6	4.6	37.9	37.8	37.4
Columbus	20.6	20.1	20.3	3.4	3.1	3.1	20.3	19.1	19.0
Macon-Warner Robins	18.3	18.6	18.7	5.1	5.2	5.2	28.6	28.6	28.7
Savannah	17.1	17.2	16.9	9.1	9.6	9.5	26.7	26.1	26.3
Hawaii	21.2	20.6	20.1	41.4	42.9	42.6	134.4	135.2	135.2
Honolulu	16.0	15.5	15.1	33.5	34.9	34.5	101.4	102.0	101.9
Idaho	61.0	61.9	61.7	19.0	19.8	19.6	93.9	96.7	97.4
Boise City	15.5	16.1	16.1	5.6	5.8	5.9	26.1	26.5	27.0
Illinois	984.9	969.8	969.9	307.3	307.4	308.4	1,236.7	1,243.0	1,245.9
Aurora-Elgin	38.7	37.8	38.0	3.6	3.7	3.7	38.8	39.7	40.0
Bloomington-Normal	7.8	7.6	7.6	3.1	3.0	3.0	14.7	14.8	14.8
Champaign-Urbana-Rantoul	9.7	9.7	9.9	2.4	2.3	2.3	18.7	18.8	18.7
Chicago	561.6	554.2	555.1	206.5	208.1	208.5	751.6	752.4	753.7
Davenport-Rock Island-Moline	32.2	31.7	31.3	7.3	7.2	7.2	45.7	46.7	46.8
Decatur	14.5	14.2	14.3	4.2	4.3	4.3	11.5	11.5	11.5
Joliet	19.5	19.2	19.2	8.5	8.5	8.5	24.2	24.2	24.3
Kankakee	5.7	5.8	5.8	2.2	2.1	2.1	8.7	8.8	8.7
Lake County	48.1	48.3	48.4	5.9	5.8	5.8	56.4	57.9	57.7
Peoria	34.3	33.1	33.1	7.1	7.1	7.0	34.6	34.4	34.4
Rockford	48.2	44.4	44.1	5.0	4.9	4.9	29.1	29.4	29.4
Springfield	4.4	4.4	4.4	4.8	4.8	4.8	22.7	22.7	22.7
Indiana	635.2	611.8	610.2	130.5	131.5	132.2	590.1	587.6	587.8
Anderson	17.1	16.0	15.4	1.2	1.2	1.2	11.6	11.7	11.7
Bloomington	9.4	9.1	9.1	1.7	1.7	1.7	12.2	13.0	12.4
Elkhart-Goshen	51.7	48.7	49.2	3.3	3.3	3.3	18.9	18.2	17.9
Evansville	30.4	29.8	30.0	7.0	6.9	6.9	34.6	35.3	35.4
Fort Wayne	50.7	47.8	47.8	13.4	13.7	13.7	51.1	50.6	49.9
Gary-Hammond	56.3	54.9	54.6	16.5	16.4	16.5	57.9	57.9	57.8
Indianapolis	110.2	107.3	107.1	42.5	42.7	43.0	168.3	170.8	171.2
Kokomo	18.9	17.5	17.3	1.4	1.3	1.3	10.1	10.1	10.2
Lafayette-West Lafayette	13.7	13.7	13.7	1.9	2.0	2.0	14.4	14.5	14.0
Muncie	11.2	10.5	10.3	2.6	2.7	2.7	12.7	12.6	12.7
South Bend-Mishawaka	21.9	21.1	21.1	5.6	5.6	5.6	30.3	30.4	30.6
Terre Haute	10.6	10.6	10.7	2.8	2.7	2.7	15.6	16.0	15.8
Iowa	231.5	230.5	230.3	55.7	54.8	54.9	301.3	301.3	302.9
Cedar Rapids	21.6	21.5	21.3	6.0	6.0	6.0	21.9	22.3	22.2
Des Moines	26.2	26.3	26.2	12.9	12.0	12.1	58.7	58.4	58.5
Dubuque	12.3	12.1	12.2	1.6	1.7	1.7	10.5	10.4	10.3
Iowa City	4.6	4.3	4.4	1.4	1.4	1.4	10.6	10.8	10.8
Sioux City	10.9	10.9	10.8	3.2	3.2	3.2	14.1	13.9	13.9
Waterloo-Cedar Falls	16.0	16.8	16.5	1.8	1.8	1.8	16.4	16.7	16.7
Kansas	185.8	182.6	184.9	66.4	67.3	67.6	264.0	263.0	263.6
Lawrence	4.7	4.7	4.7	1.0	1.0	1.0	8.0	7.9	7.9
Topeka	9.4	9.6	9.7	7.2	6.7	6.7	20.2	18.7	18.9
Wichita	63.9	64.5	63.9	11.8	11.4	11.6	55.9	56.9	57.1
Kentucky	288.8	280.4	279.7	78.1	80.0	80.3	341.9	347.4	349.3
Lexington-Fayette	34.1	32.2	32.5	6.9	9.0	9.0	44.0	44.2	44.4
Louisville	88.7	88.4	86.8	30.1	30.5	30.8	116.0	120.3	121.0
Owensboro	6.6	6.4	6.3	2.1	2.3	2.3	9.3	9.2	9.1
Louisiana	179.7	184.3	182.6	110.4	110.4	110.4	362.8	372.9	373.9
Alexandria	3.6	3.2	3.2	2.3	2.3	2.3	10.2	10.3	10.3
Baton Rouge	22.0	23.3	23.3	11.2	11.4	11.5	52.0	54.0	54.1
Houma-Thibodaux	5.0	5.5	5.6	6.5	6.5	6.6	14.0	14.4	14.5
Lafayette	9.1	9.1	9.2	6.9	7.4	7.2	24.5	25.9	25.8
Lake Charles	12.0	11.4	11.3	4.3	4.4	4.4	15.2	15.2	15.2
Monroe	7.6	7.7	7.8	3.3	3.0	3.0	14.9	14.7	14.6
New Orleans	43.5	45.5	45.3	43.7	43.8	44.2	131.7	132.1	132.2
Shreveport	17.6	17.8	15.5	8.2	8.1	8.1	31.5	32.0	32.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Georgia	162.8	161.9	162.1	634.3	641.4	649.0	534.8	540.9	542.8
Albany	2.2	2.1	2.2	8.9	9.0	9.0	13.7	13.7	13.7
Athens	2.1	2.1	2.1	10.9	10.7	10.6	20.5	20.4	20.4
Atlanta	107.8	108.0	108.0	372.8	377.0	382.2	220.9	228.5	229.4
Augusta	6.1	6.0	5.9	36.3	36.0	36.4	36.3	36.7	36.6
Columbus	6.2	6.3	6.3	18.9	20.1	20.4	21.2	21.7	21.8
Macon-Warner Robins	7.6	8.1	8.2	25.8	27.2	27.1	35.7	35.3	35.5
Savannah	4.7	5.1	5.1	27.1	27.7	28.1	17.4	16.9	17.0
Hawaii	36.2	37.4	37.7	152.7	157.7	157.2	107.9	108.7	110.4
Honolulu	29.1	30.0	30.2	114.2	117.6	117.2	90.4	90.4	91.8
Idaho	19.4	19.8	20.0	79.5	83.2	84.4	81.1	85.0	86.3
Boise City	8.0	8.2	8.3	22.9	24.0	24.7	19.6	20.6	20.9
Illinois	374.8	372.5	372.9	1,326.9	1,339.6	1,347.6	776.7	765.7	772.5
Aurora-Elgin	8.3	8.3	8.4	33.4	33.7	33.8	16.5	16.5	16.6
Bloomington-Normal	11.1	11.3	11.3	14.3	14.4	14.5	13.6	14.2	13.7
Champaign-Urbana-Rantoul	3.2	3.3	3.3	18.1	18.3	18.5	36.4	36.5	37.3
Chicago	267.4	265.3	265.7	884.0	888.6	892.8	378.8	378.4	379.5
Davenport-Rock Island-Moline	7.6	7.8	7.8	36.4	36.6	36.7	26.4	26.0	26.1
Decatur	2.3	2.3	2.3	12.3	12.3	12.3	5.7	5.9	5.9
Joliet	3.6	3.7	3.7	23.7	23.5	23.7	17.8	17.7	17.8
Kankakee	1.8	1.8	1.8	9.0	9.4	9.5	6.6	6.6	6.6
Lake County	13.2	13.3	13.3	47.5	47.0	47.9	33.4	31.8	31.9
Peoria	7.5	7.7	7.7	41.5	41.5	41.9	17.0	17.1	17.3
Rockford	5.6	5.6	5.6	30.6	30.9	30.8	12.3	12.4	12.4
Springfield	8.1	8.2	8.2	27.1	27.0	27.1	34.2	34.9	34.8
Indiana	121.3	122.5	123.1	519.7	533.1	535.2	381.8	384.0	385.7
Anderson	1.6	1.6	1.6	11.0	11.6	11.6	6.7	6.9	6.9
Bloomington	2.0	2.0	2.0	9.9	10.4	10.5	18.3	18.8	18.4
Elkhart-Goshen	2.9	2.8	2.7	15.7	16.5	16.9	6.3	6.5	6.6
Evansville	5.3	5.4	5.4	33.8	35.4	35.6	13.2	13.8	13.9
Fort Wayne	12.9	12.9	12.9	43.6	45.5	45.9	19.3	19.8	19.9
Gary-Hammond	8.3	8.4	8.4	56.3	58.5	58.4	33.9	33.6	33.7
Indianapolis	49.2	51.1	51.3	157.3	159.5	160.3	98.9	100.7	101.1
Kokomo	1.4	1.3	1.3	7.2	7.6	7.5	6.1	6.5	6.6
Lafayette-West Lafayette	3.1	3.0	3.0	12.9	13.0	12.9	22.4	22.4	22.2
Muncie	1.7	1.7	1.7	11.6	12.2	12.0	12.4	12.6	12.6
South Bend-Mishawaka	6.3	6.3	6.3	36.3	37.4	37.3	12.1	12.1	12.2
Terre Haute	2.1	2.1	2.1	12.6	12.7	12.6	11.4	12.0	11.9
Iowa	68.3	69.9	70.4	285.7	292.9	296.0	223.0	226.4	227.4
Cedar Rapids	4.9	4.8	4.9	23.5	23.1	23.3	10.5	11.8	11.9
Des Moines	31.2	32.2	32.4	59.3	61.7	61.8	32.4	33.2	33.2
Dubuque	1.5	1.6	1.6	13.6	13.5	14.0	3.6	4.1	4.1
Iowa City	1.4	1.4	1.4	10.0	9.9	10.0	26.6	25.6	26.5
Sioux City	2.5	2.5	2.6	15.8	16.3	16.4	6.7	6.4	6.4
Waterloo-Cedar Falls	2.9	3.2	3.2	16.6	16.9	17.0	13.6	13.9	13.8
Kansas	57.8	57.8	58.2	239.4	244.9	245.5	219.5	218.0	221.2
Lawrence	1.6	1.5	1.5	7.5	8.0	8.1	12.3	12.7	12.6
Topeka	6.5	6.3	6.3	22.7	22.6	22.6	22.4	22.1	22.3
Wichita	10.9	11.4	11.5	58.3	59.1	59.9	29.2	29.8	30.0
Kentucky	60.9	60.9	61.1	321.9	333.4	336.5	267.2	269.0	269.7
Lexington-Fayette	9.4	9.5	9.5	48.7	48.6	48.9	43.7	43.4	43.5
Louisville	27.5	27.9	27.8	121.6	125.5	127.0	64.0	65.6	65.5
Owensboro	1.5	1.5	1.5	8.3	8.4	8.4	5.6	5.8	5.8
Louisiana	79.1	78.8	79.1	367.5	380.4	381.5	324.6	336.0	337.4
Alexandria	2.1	2.0	2.0	12.2	12.4	12.3	12.8	13.1	13.1
Baton Rouge	12.8	13.0	13.0	52.2	54.6	54.8	54.7	54.8	55.2
Houma-Thibodaux	2.1	2.1	2.1	10.5	10.7	10.8	11.0	11.0	11.0
Lafayette	3.3	3.4	3.3	21.3	22.3	22.6	13.4	13.8	14.1
Lake Charles	2.6	2.6	2.6	13.9	14.7	14.8	10.8	11.2	11.2
Monroe	4.3	4.4	4.4	13.2	13.4	13.5	12.5	12.2	12.1
New Orleans	31.6	31.3	31.4	153.5	159.9	160.5	88.4	90.4	90.6
Shreveport	6.2	6.4	6.4	32.1	33.0	33.0	26.6	26.9	26.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P
Maine	525.2	509.2	507.2	0.1	0.1	0.1	26.0	21.9	21.8
Lewiston-Auburn	39.5	38.0	37.7	(?)	(?)	(?)	1.8	1.6	1.6
Portland	128.2	123.6	122.8	(?)	(?)	(?)	6.3	4.8	4.6
Maryland	2,160.8	2,135.8	2,151.5	2.0	2.0	2.1	157.4	146.4	150.6
Baltimore MSA	1,153.1	1,134.3	1,142.1	.5	.5	.5	73.5	67.5	69.1
Baltimore City	470.9	461.8	465.3	(!)	(!)	(!)	18.3	16.8	16.9
Suburban Maryland-D.C.	773.0	770.8	776.0	(!)	(!)	(!)	67.8	62.8	63.9
Massachusetts	2,989.3	2,843.7	2,842.2	1.3	1.1	1.2	95.7	71.4	71.0
Boston	1,685.8	1,604.6	1,603.7	.6	.5	.5	49.9	39.8	39.3
Brockton	70.8	67.6	67.3	(?)	(?)	(?)	2.4	1.8	1.9
Fall River	53.1	51.0	50.8	(?)	(?)	(?)	1.7	1.2	1.3
Fitchburg-Leominster	39.3	36.4	36.6	(?)	(?)	(?)	1.4	1.0	1.0
Lawrence-Haverhill	155.0	147.4	147.5	(?)	(?)	(?)	5.4	4.2	4.2
Lowell	100.9	96.2	96.2	(!)	(!)	(!)	3.4	2.8	2.9
New Bedford	63.7	61.8	61.7	(?)	(?)	(?)	2.1	1.6	1.6
Pittsfield	41.8	40.6	40.3	.1	.1	.1	2.0	1.4	1.4
Springfield	235.2	227.3	227.6	.1	.1	.1	7.0	6.0	5.9
Worcester	195.0	181.4	181.3	.1	.2	.2	6.4	4.8	4.8
Michigan	3,928.2	3,832.1	3,816.0	9.5	9.4	9.3	124.7	111.8	110.1
Ann Arbor	180.7	181.5	183.3	(!)	(!)	(!)	4.1	3.6	3.7
Battle Creek	60.0	59.8	60.2	(!)	(!)	(!)	1.8	1.8	1.8
Benton Harbor	65.8	65.4	65.7	(!)	(!)	(!)	1.7	1.7	1.8
Detroit	1,925.2	1,875.1	1,871.6	1.0	1.0	1.0	57.4	52.8	51.3
Flint	171.1	167.6	164.9	(!)	(!)	(!)	4.6	4.2	4.3
Grand Rapids	354.8	353.2	353.5	(!)	(!)	(!)	15.7	13.6	13.8
Jackson	54.0	53.3	53.8	(!)	(!)	(!)	1.7	1.7	1.7
Kalamazoo	114.9	114.9	114.9	(!)	(!)	(!)	3.5	3.5	3.5
Lansing-East Lansing	218.5	218.1	217.8	(!)	(!)	(!)	5.9	5.5	5.3
Muskegon	58.8	58.3	58.1	(!)	(!)	(!)	2.3	2.1	2.1
Saginaw-Bay City-Midland	159.9	162.5	160.4	(!)	(!)	(!)	7.1	6.5	6.5
Minnesota	2,086.8	2,081.4	2,087.4	7.4	7.2	7.5	65.2	60.4	61.0
Duluth	94.9	97.3	97.9	5.2	5.2	5.4	2.9	3.0	2.9
Minneapolis-St. Paul	1,352.6	1,343.5	1,347.6	(?)	(?)	(?)	42.6	39.6	39.9
Rochester	63.7	66.2	66.5	(!)	(!)	(!)	1.8	2.0	1.9
St. Cloud	76.6	78.7	77.5	(!)	(!)	(!)	2.9	2.4	2.3
Mississippi	928.6	931.8	933.5	6.1	6.0	6.0	35.2	33.5	33.6
Jackson	184.7	185.1	185.2	.6	.6	.5	7.1	6.9	6.8
Missouri	2,323.3	2,291.8	2,309.6	5.0	4.6	4.8	92.3	89.3	91.5
Kansas City	778.3	774.4	784.5	(!)	(!)	(!)	31.0	30.9	31.7
St. Louis	1,173.1	1,161.8	1,168.8	(!)	(!)	(!)	54.6	48.7	49.7
Springfield	121.0	122.5	122.6	(!)	(!)	(!)	4.5	4.5	4.6
Montana	288.6	291.2	292.3	6.1	5.8	5.9	8.1	7.5	8.2
Nebraska	716.9	743.8	751.0	1.5	1.4	1.6	23.9	25.7	27.4
Lincoln	121.0	123.7	124.6	(!)	(!)	(!)	4.1	3.7	3.9
Omaha	322.9	335.9	338.2	(!)	(!)	(!)	11.2	12.0	12.4
Nevada	606.3	627.9	631.2	14.0	14.2	14.1	46.4	45.4	45.0
Las Vegas	366.5	384.6	386.9	.2	.3	.3	34.8	33.4	33.0
Reno	140.7	142.7	143.8	1.4	1.5	1.5	6.7	6.8	7.1
New Hampshire	507.2	485.8	482.9	.4	.3	.3	21.0	15.1	14.9
Manchester	82.4	78.7	77.9	(!)	(!)	(!)	3.4	2.1	2.0
Nashua	89.3	84.6	83.8	(!)	(!)	(!)	3.0	1.8	1.8
Portsmouth-Dover-Rochester	109.3	107.4	107.8	(!)	(!)	(!)	3.5	2.6	2.7
New Jersey	3,650.7	3,565.2	3,576.2	2.3	2.2	2.2	146.1	122.5	125.4
Atlantic City	169.9	162.6	162.5	(!)	(!)	(!)	9.3	6.5	6.4
Bergen-Passaic	656.0	631.0	632.3	(!)	(!)	(!)	27.1	21.8	21.9
Camden	447.9	441.6	444.2	(!)	(!)	(!)	23.0	20.4	21.0
Jersey City	246.6	237.8	238.7	(!)	(!)	(!)	6.3	5.4	5.5
Middlesex-Somerset-Hunterdon	546.3	540.0	541.7	.6	.5	.5	21.4	19.7	20.4
Monmouth-Ocean	327.8	318.7	320.8	(!)	(!)	(!)	16.8	12.7	13.0
Newark	941.6	923.0	924.7	.7	.7	.7	33.8	30.8	31.3
Trenton	200.0	194.6	195.9	(!)	(!)	(!)	4.7	4.0	4.1
Vineland-Millville-Bridgeton	58.9	58.2	58.4	.4	.3	.3	2.1	1.7	1.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Maine	102.0	96.4	95.3	21.8	21.2	21.5	128.2	121.9	122.3
Lewiston-Auburn	8.9	7.9	7.9	1.4	1.3	1.3	10.0	9.9	9.8
Portland	16.7	16.2	16.2	6.2	6.6	6.7	37.2	35.9	35.4
Maryland	207.7	200.1	198.3	100.6	100.6	101.8	522.1	513.7	517.0
Baltimore MSA	131.4	126.4	124.8	55.6	54.9	55.7	267.0	260.9	263.5
Baltimore City	44.5	43.5	43.6	27.9	27.7	27.9	87.1	84.1	85.1
Suburban Maryland-D.C.	37.2	36.0	35.5	32.2	33.4	33.7	194.9	195.3	196.0
Massachusetts	529.2	496.7	494.8	130.5	123.4	122.4	694.3	653.6	651.5
Boston	245.0	228.5	227.7	74.6	72.4	72.2	370.9	350.0	347.5
Brockton	9.4	8.5	8.4	4.5	4.5	4.4	22.6	21.5	21.4
Fall River	13.8	13.7	13.3	2.0	1.9	1.9	14.0	12.9	13.0
Fitchburg-Leominster	11.5	10.6	10.7	1.5	1.4	1.4	10.2	9.1	9.2
Lawrence-Haverhill	44.4	42.2	42.1	6.5	5.9	6.0	35.3	33.9	33.9
Lowell	31.4	30.0	29.9	5.2	5.1	5.1	22.6	21.1	21.2
New Bedford	16.3	15.3	15.1	2.8	2.5	2.6	15.9	15.8	15.8
Pittsfield	9.8	9.0	8.8	1.3	1.2	1.2	9.6	9.4	9.3
Springfield	46.5	44.3	44.1	10.3	9.7	9.7	54.1	51.1	51.2
Worcester	40.9	38.0	37.8	9.6	8.6	8.5	47.5	42.7	42.7
Michigan	948.6	879.7	867.4	154.7	150.7	150.1	921.1	909.9	907.7
Ann Arbor	39.1	36.8	37.5	5.1	5.7	5.9	31.6	31.0	31.1
Battle Creek	16.3	15.1	15.3	1.6	1.5	1.5	12.6	12.7	12.7
Benton Harbor	21.8	20.7	20.5	2.6	2.6	2.6	13.6	13.3	13.5
Detroit	448.3	412.3	410.1	88.3	86.6	86.0	466.0	455.0	453.1
Flint	53.0	47.4	44.2	4.4	4.4	4.3	43.1	42.8	42.6
Grand Rapids	101.1	99.1	98.6	12.3	11.9	11.8	94.0	94.4	94.7
Jackson	13.0	12.1	12.6	3.9	3.8	3.8	12.9	13.1	13.1
Kalamazoo	29.5	28.3	28.2	3.3	3.4	3.4	25.7	25.7	25.7
Lansing-East Lansing	32.0	31.4	31.0	5.6	5.7	5.7	47.1	46.5	46.4
Muskegon	16.6	16.4	16.1	2.2	2.2	2.2	13.8	13.8	13.9
Saginaw-Bay City-Midland	43.4	42.9	40.7	6.2	6.3	6.3	38.4	40.2	40.2
Minnesota	394.7	382.0	383.2	107.4	106.6	106.8	503.7	497.8	499.2
Duluth	8.3	8.5	8.6	5.6	5.8	5.8	23.5	23.9	23.9
Minneapolis-St. Paul	261.7	249.1	250.4	76.4	74.9	74.8	323.7	316.9	317.4
Rochester	11.8	11.8	11.8	1.8	1.9	1.9	12.7	13.2	13.2
St. Cloud	13.8	14.5	14.5	3.7	3.9	3.9	23.0	23.1	22.8
Mississippi	243.1	240.4	238.4	44.9	44.6	45.2	195.3	197.5	199.0
Jackson	21.4	20.3	19.9	12.9	12.7	13.0	43.1	43.6	43.8
Missouri	436.8	415.3	417.0	152.7	152.3	152.9	551.5	539.8	544.7
Kansas City	110.3	103.6	107.9	63.1	62.6	63.4	198.3	195.7	196.5
St. Louis	221.5	210.8	210.6	77.8	77.1	77.7	278.5	274.8	276.2
Springfield	21.6	21.5	21.2	7.7	7.4	7.3	33.6	34.5	34.7
Montana	21.1	21.7	20.2	19.7	20.1	20.0	75.2	76.0	76.6
Nebraska	96.4	100.5	100.4	45.3	45.8	45.5	182.8	186.4	188.1
Lincoln	14.8	15.1	15.1	6.7	6.9	6.9	26.4	26.6	26.6
Omaha	36.0	38.0	38.4	23.4	23.6	23.3	80.2	81.9	82.8
Nevada	25.7	26.8	26.9	31.8	33.3	33.4	121.1	127.2	128.6
Las Vegas	10.5	10.6	10.6	18.7	20.2	20.2	74.7	77.6	78.6
Reno	8.7	8.9	8.9	9.8	9.8	9.9	32.1	33.5	33.7
New Hampshire	107.2	100.2	99.7	17.8	16.9	16.8	127.8	119.0	117.8
Manchester	11.5	10.9	10.8	4.7	4.7	4.6	21.9	20.4	20.1
Nashua	31.3	29.5	29.2	2.4	2.2	2.1	22.0	19.7	19.6
Portsmouth-Dover-Rochester	20.6	19.9	19.8	3.0	2.8	2.8	26.5	26.5	26.5
New Jersey	607.1	567.4	566.1	238.3	233.3	234.5	865.5	848.7	847.0
Atlantic City	8.1	7.0	7.3	7.0	6.9	6.9	32.8	32.2	32.4
Bergen-Passaic	138.8	128.6	128.2	30.4	29.8	29.5	186.0	180.7	180.1
Camden	68.0	64.1	64.3	19.5	19.2	19.1	120.0	118.2	118.7
Jersey City	39.1	34.7	35.1	31.3	28.5	28.5	62.5	61.1	61.2
Middlesex-Somerset-Hunterdon	109.1	103.5	103.7	42.9	42.2	42.1	134.0	129.4	129.2
Monmouth-Ocean	26.7	23.7	23.8	14.8	15.2	15.3	86.3	86.6	86.3
Newark	159.3	151.6	151.4	78.2	76.3	76.5	188.2	182.4	182.2
Trenton	27.7	25.1	25.1	7.1	7.2	7.2	31.3	30.8	30.8
Vineland-Millville-Bridgeton	15.1	14.7	14.7	2.3	2.4	2.4	11.3	10.8	10.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Maine	25.1	24.8	24.8	123.8	126.2	124.9	98.2	96.7	96.5
Lewiston-Auburn	2.3	2.2	2.1	10.7	10.8	10.6	4.4	4.3	4.4
Portland	12.0	12.4	12.4	33.4	31.6	31.2	16.4	16.1	16.3
Maryland	131.1	131.2	130.9	616.5	616.2	623.8	423.4	425.6	427.0
Baltimore MSA	76.3	75.6	75.7	328.7	330.0	333.8	220.1	218.5	219.0
Baltimore City	45.2	44.5	44.5	155.3	153.7	155.1	92.6	91.5	92.2
Suburban Maryland-D.C.	46.4	46.1	45.9	234.4	232.7	235.7	160.1	164.5	165.3
Massachusetts	214.8	210.0	209.5	919.1	897.4	901.8	404.4	390.1	390.0
Boston	147.5	140.4	139.4	593.9	575.8	580.6	203.4	197.2	196.5
Brockton	3.4	3.1	3.1	16.2	16.5	16.5	12.3	11.7	11.6
Fall River	3.6	3.2	3.2	10.9	11.1	11.1	7.1	7.0	7.0
Fitchburg-Leominster	1.4	1.4	1.4	8.6	8.4	8.4	4.7	4.5	4.5
Lawrence-Haverhill	6.0	5.7	5.7	35.9	35.0	35.2	21.5	20.5	20.4
Lowell	3.6	3.3	3.2	21.0	20.5	20.5	13.7	13.4	13.4
New Bedford	2.4	2.4	2.4	14.4	14.7	14.8	9.8	9.5	9.4
Pittsfield	1.9	1.9	1.8	12.2	12.7	12.8	4.9	4.9	4.9
Springfield	15.5	15.0	14.9	62.5	63.5	64.0	39.2	37.6	37.7
Worcester	14.0	13.9	14.0	52.1	49.4	49.4	24.4	23.8	23.9
Michigan	189.7	191.2	190.9	929.7	932.0	933.1	650.2	647.4	647.3
Ann Arbor	4.9	4.8	4.7	38.9	40.4	40.7	56.9	59.2	59.8
Battle Creek	3.3	3.5	3.5	12.5	13.3	13.4	11.9	11.9	12.0
Benton Harbor	2.6	2.6	2.6	14.6	15.5	15.5	9.0	9.0	9.1
Detroit	111.7	114.1	114.4	512.5	513.6	515.3	240.0	239.7	240.4
Flint	6.2	6.5	6.5	36.1	37.9	38.5	23.6	24.3	24.5
Grand Rapids	16.0	16.1	16.2	80.4	82.2	82.6	35.3	35.8	35.8
Jackson	1.8	1.7	1.7	10.5	10.7	10.7	10.2	10.2	10.2
Kalamazoo	5.4	5.5	5.6	28.2	28.9	29.2	19.2	19.6	19.4
Lansing-East Lansing	12.6	13.0	13.1	43.3	43.9	44.2	72.0	72.0	73.1
Muskegon	1.5	1.5	1.5	12.5	12.5	12.6	9.9	9.7	9.7
Saginaw-Bay City-Midland	5.9	6.5	6.5	37.3	38.8	38.8	21.6	21.3	21.4
Minnesota	123.8	124.1	124.3	542.9	552.6	556.7	341.7	350.7	348.7
Duluth	3.2	3.3	3.3	24.2	25.0	25.3	22.0	22.6	22.7
Minneapolis-St. Paul	96.9	96.8	97.0	363.7	372.9	375.2	187.1	192.9	192.4
Rochester	1.8	1.8	1.8	26.9	28.5	28.8	6.9	7.0	7.1
St. Cloud	2.4	2.5	2.5	17.7	18.4	18.4	13.1	13.9	13.1
Mississippi	38.7	38.7	38.9	158.4	162.0	164.1	206.9	209.2	208.4
Jackson	14.4	14.2	14.2	42.8	43.9	44.2	42.5	42.8	42.7
Missouri	137.7	138.2	138.5	569.3	573.6	580.1	378.0	378.7	380.1
Kansas City	59.4	59.2	59.4	194.8	197.7	199.7	121.4	124.7	125.9
St. Louis	76.3	75.8	76.0	318.2	327.0	329.9	146.2	147.6	148.7
Springfield	5.3	5.3	5.3	32.6	33.4	33.4	15.7	15.9	16.1
Montana	13.1	13.2	13.3	72.9	75.6	76.0	72.4	71.3	72.1
Nebraska	48.3	49.1	49.4	174.4	186.5	188.8	144.3	148.4	149.8
Lincoln	8.5	8.5	8.5	27.8	28.9	29.4	32.7	34.0	34.2
Omaha	28.8	29.1	29.3	95.9	102.6	102.9	47.4	48.7	49.1
Nevada	27.4	28.4	28.7	264.4	270.6	271.6	75.5	82.0	82.9
Las Vegas	17.8	18.8	18.9	171.2	181.2	182.1	38.6	42.5	43.2
Reno	6.9	7.2	7.3	56.6	55.5	55.7	18.5	19.5	19.7
New Hampshire	31.5	30.6	30.5	126.6	127.6	126.1	74.9	76.1	76.8
Manchester	8.5	8.4	8.3	23.6	23.2	23.2	8.8	9.0	8.9
Nashua	3.4	3.4	3.4	19.4	20.2	20.0	7.8	7.8	7.7
Portsmouth-Dover-Rochester	7.0	7.0	7.0	22.3	21.8	21.9	26.4	26.8	27.1
New Jersey	241.1	233.8	234.3	976.1	982.0	988.3	574.2	575.3	578.4
Atlantic City	6.7	6.4	6.4	78.5	76.1	75.5	27.5	27.5	27.6
Bergen-Passaic	38.4	36.2	35.6	164.8	164.2	166.3	70.5	69.7	70.7
Camden	24.9	24.3	24.3	115.6	116.8	118.0	76.9	78.6	78.8
Jersey City	16.5	16.1	16.1	49.7	50.6	50.9	41.2	41.4	41.4
Middlesex-Somerset-Hunterdon	42.3	41.7	42.1	120.1	124.3	124.9	75.9	78.7	78.8
Monmouth-Ocean	19.7	18.6	18.7	97.9	97.0	97.9	65.6	64.9	65.8
Newark	76.4	73.3	73.3	267.1	270.8	271.8	137.9	137.1	137.5
Trenton	11.2	11.1	11.2	61.1	60.6	61.0	56.9	55.8	56.5
Vineland-Millville-Bridgeton	4.2	4.4	4.4	10.8	11.1	11.2	12.7	12.8	12.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
New Mexico	572.1	574.1	577.1	15.4	15.9	15.8	28.6	28.0	28.1
Albuquerque	245.5	244.3	245.1	(¹)	(¹)	(¹)	13.3	11.9	11.8
Las Cruces	44.1	44.5	44.8	(¹)	(¹)	(¹)	2.2	2.0	2.1
Santa Fe	59.2	60.5	60.6	(¹)	(¹)	(¹)	3.0	2.8	2.8
New York	8,185.4	7,992.5	8,027.6	5.0	4.4	4.6	299.8	251.7	257.3
Albany-Schenectady-Troy	429.9	429.6	430.5	.4	.2	.2	17.2	15.5	15.9
Binghamton	119.2	116.2	115.9	(¹)	(¹)	(¹)	4.4	3.8	3.8
Buffalo	458.8	454.0	456.8	(¹)	(¹)	(¹)	16.4	15.0	15.8
Elmira	41.7	39.4	39.5	(¹)	(¹)	(¹)	1.4	1.2	1.3
Glens Falls	45.8	44.8	44.6	(¹)	(¹)	(¹)	1.9	1.7	1.8
Nassau-Suffolk	1,119.4	1,087.6	1,096.2	(¹)	(¹)	(¹)	52.5	45.8	47.5
New York PMSA	4,110.0	3,993.6	4,018.6	(¹)	(¹)	(¹)	142.9	119.4	120.6
New York City	3,586.1	3,483.6	3,506.2	.3	.2	.2	115.1	96.5	97.5
Niagara Falls	83.6	82.9	82.8	(¹)	(¹)	(¹)	3.2	3.2	3.2
Orange County	106.1	102.9	103.2	(¹)	(¹)	(¹)	4.2	3.3	3.3
Poughkeepsie	121.1	119.0	119.0	(¹)	(¹)	(¹)	6.0	4.8	4.8
Rochester	485.0	485.1	483.6	.6	.6	.6	16.6	16.5	16.6
Rockland County	100.9	98.9	99.2	(¹)	(¹)	(¹)	4.2	3.5	3.6
Syracuse	312.9	312.1	309.0	(¹)	(¹)	(¹)	13.3	11.8	11.8
Utica-Rome	125.9	123.7	124.0	(¹)	(¹)	(¹)	3.3	2.8	2.9
Westchester County	404.5	392.4	394.3	(¹)	(¹)	(¹)	21.8	17.9	18.0
North Carolina	3,109.7	3,091.6	3,092.9	5.2	5.0	5.1	163.6	156.8	155.6
Asheville	86.4	86.3	86.8	(¹)	(¹)	(¹)	4.4	4.4	4.4
Charlotte-Gastonia-Rock Hill	626.7	626.1	627.4	(¹)	(¹)	(¹)	36.4	36.8	36.8
Greensboro-Winston-Salem-High Point	497.9	491.8	491.5	(¹)	(¹)	(¹)	24.9	23.1	23.0
Raleigh-Durham	431.9	431.3	432.6	(¹)	(¹)	(¹)	22.3	21.5	21.4
North Dakota	259.4	263.5	265.2	4.0	4.0	4.0	7.4	7.4	7.7
Bismarck	39.0	40.2	40.3	(¹)	(¹)	(¹)	1.5	1.6	1.5
Fargo-Moorhead	75.9	78.4	78.2	(¹)	(¹)	(¹)	2.8	2.7	2.7
Grand Forks	31.3	31.9	31.8	(¹)	(¹)	(¹)	.9	.9	.8
Ohio	4,819.8	4,807.8	4,838.7	17.2	16.4	16.6	178.6	169.0	169.2
Akron	282.0	282.0	285.1	.6	.6	.6	9.4	8.6	8.9
Canton	163.0	162.7	163.6	.8	.8	.8	6.9	6.2	6.5
Cincinnati	732.2	737.9	744.2	.4	.3	.4	32.4	29.7	30.8
Cleveland	936.9	926.4	936.8	.8	.8	.8	31.3	29.3	30.7
Columbus	709.5	717.7	723.0	.8	.9	.9	27.3	25.2	26.3
Dayton-Springfield	449.2	445.1	446.6	.4	.4	.4	15.5	13.4	14.0
Toledo	288.4	280.0	280.1	.2	.2	.2	11.0	9.6	10.0
Youngstown-Warren	196.6	193.7	194.7	.4	.3	.3	7.2	6.3	6.6
Oklahoma	1,183.9	1,193.2	1,195.4	42.0	43.9	43.7	36.9	34.4	34.4
Enid	21.5	21.6	21.5	.9	.9	.9	.6	.6	.6
Lawton	35.3	34.8	35.3	.2	.3	.3	.9	1.0	1.0
Oklahoma City	429.1	427.2	428.3	10.6	9.9	9.7	11.4	10.9	11.2
Tulsa	314.5	318.5	318.6	12.0	12.3	12.0	11.3	11.3	11.3
Oregon	1,224.4	1,239.5	1,243.9	1.3	1.5	1.6	48.0	49.2	49.2
Eugene-Springfield	116.8	116.1	116.2	.2	.2	.2	3.6	3.5	3.5
Medford	53.1	52.1	52.3	.1	.1	.1	1.8	1.7	1.7
Portland	626.6	636.9	639.7	.4	.5	.5	28.2	27.2	27.4
Salem	105.1	106.6	107.5	.1	.1	.1	4.1	4.1	4.1
Pennsylvania	5,144.8	5,104.2	5,125.6	27.1	25.8	26.1	211.8	198.1	203.8
Allentown-Bethlehem	285.1	286.2	287.2	.5	.4	.5	12.0	11.2	11.5
Altoona	53.6	53.2	53.5	(¹)	(¹)	(¹)	2.3	2.1	2.1
Beaver County	50.0	49.6	49.7	(¹)	(¹)	(¹)	2.2	2.2	2.1
Erie	118.3	119.6	119.3	(¹)	(¹)	(¹)	3.2	3.3	3.2
Harrisburg-Lebanon-Carlisle	312.4	310.4	311.4	.4	.4	.5	13.6	12.7	13.0
Johnstown	81.4	82.2	82.2	2.8	2.5	2.5	2.7	2.8	2.8
Lancaster	193.1	189.2	190.4	.4	.4	.4	12.0	11.1	11.3
Philadelphia PMSA	2,206.6	2,191.8	2,197.5	1.0	.9	1.0	94.1	88.2	90.7
Philadelphia City	754.8	735.4	735.7	(¹)	(¹)	(¹)	15.6	13.1	13.4
Pittsburgh	905.4	906.2	910.7	4.5	3.9	3.9	39.4	38.4	39.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
New Mexico	42.1	42.5	42.7	29.1	28.8	28.9	134.2	134.4	135.7
Albuquerque	21.1	20.5	20.8	12.7	12.8	12.8	60.3	59.6	59.9
Las Cruces	3.4	3.5	3.5	1.6	1.6	1.6	8.9	9.2	9.1
Santa Fe	1.9	1.9	1.9	1.0	1.0	1.0	11.3	11.5	11.6
New York	1,145.2	1,081.1	1,080.0	421.8	424.7	425.6	1,672.5	1,611.9	1,618.5
Albany-Schenectady-Troy	45.7	45.6	45.8	17.0	16.8	16.8	90.8	90.5	90.9
Binghamton	34.8	33.0	32.9	4.3	4.1	4.1	24.9	25.0	24.8
Buffalo	75.1	71.4	71.6	22.9	23.0	23.1	113.3	113.3	113.3
Elmira	9.0	8.1	8.0	1.5	1.4	1.4	10.2	9.8	9.8
Glens Falls	10.2	9.7	9.7	1.6	1.5	1.5	10.4	10.0	9.9
Nassau-Suffolk	155.3	141.1	139.8	49.6	50.3	50.7	286.1	274.5	276.4
New York PMSA	417.9	389.4	391.9	249.1	247.8	248.1	727.3	692.1	696.0
New York City	342.9	320.6	323.4	222.9	220.9	221.0	610.3	578.7	582.4
Niagara Falls	23.6	21.9	21.7	3.7	3.7	3.8	20.1	20.6	20.5
Orange County	14.0	13.0	12.9	6.4	6.3	6.3	28.3	27.0	27.2
Poughkeepsie	30.4	29.7	29.6	3.7	3.8	3.8	21.8	21.2	21.1
Rochester	132.9	131.8	131.2	15.1	15.2	15.3	103.8	101.3	101.2
Rockland County	15.2	14.6	14.7	5.1	5.1	5.1	22.3	22.0	22.1
Syracuse	52.1	49.6	47.9	19.3	19.3	19.2	75.2	76.4	76.3
Utica-Rome	23.8	22.0	21.9	4.3	4.4	4.4	27.0	26.9	27.0
Westchester County	57.6	52.0	51.6	20.5	21.1	21.3	90.4	86.9	87.1
North Carolina	868.9	836.6	830.3	151.1	152.9	151.7	700.3	699.2	702.1
Asheville	20.4	20.1	20.1	4.1	4.0	4.1	21.0	21.1	21.2
Charlotte-Gastonia-Rock Hill	154.6	148.1	146.7	51.4	51.0	51.3	152.5	151.2	151.2
Greensboro-Winston-Salem-High Point	152.3	145.1	144.5	26.2	25.5	25.7	112.7	113.1	112.4
Raleigh-Durham	63.3	63.5	63.6	21.9	21.3	21.4	89.2	89.6	89.3
North Dakota	16.9	17.6	17.6	16.8	17.1	17.0	67.8	68.9	69.6
Bismarck	2.1	2.2	2.2	2.8	2.8	2.8	10.1	10.2	10.3
Fargo-Moorhead	5.4	5.6	5.6	4.6	4.7	4.7	21.6	22.7	22.6
Grand Forks	1.6	1.7	1.7	1.7	1.7	1.7	9.0	9.1	9.1
Ohio	1,109.7	1,070.9	1,069.0	216.1	216.7	217.8	1,146.1	1,142.1	1,152.3
Akron	66.3	65.6	66.5	13.6	13.6	13.7	67.8	67.1	67.5
Canton	44.8	43.5	43.5	5.4	5.6	5.5	40.2	40.3	40.4
Cincinnati	147.3	146.6	146.0	40.6	41.5	41.7	186.6	185.3	186.8
Cleveland	206.9	199.2	201.8	42.2	41.2	41.7	221.9	222.6	223.7
Columbus	103.9	103.6	103.6	30.5	30.3	30.3	180.3	179.8	180.9
Dayton-Springfield	102.2	98.7	96.9	18.1	18.3	18.4	100.4	99.8	101.0
Toledo	58.9	52.9	50.0	14.5	14.3	14.4	70.4	69.2	69.8
Youngstown-Warren	49.0	47.5	47.0	7.4	7.0	7.0	52.2	51.9	52.2
Oklahoma	167.0	167.6	167.6	67.1	67.2	67.5	274.0	273.0	273.5
Enid	1.6	1.6	1.5	2.2	2.1	2.0	6.1	6.1	6.1
Lawton	3.3	3.5	3.5	1.8	1.7	1.7	8.3	8.6	8.8
Oklahoma City	49.5	48.8	48.6	21.0	20.9	20.9	102.2	101.2	100.8
Tulsa	55.8	56.6	56.7	25.3	25.6	25.8	72.5	72.7	73.1
Oregon	215.1	206.2	205.1	83.3	63.0	63.3	302.6	308.6	310.1
Eugene-Springfield	20.7	18.5	18.4	4.5	4.4	4.4	29.4	29.2	29.3
Medford	8.8	7.3	7.3	2.8	2.8	2.8	15.0	15.6	15.7
Portland	103.0	102.8	102.7	37.0	37.2	37.2	159.9	162.6	163.5
Salem	13.7	13.6	13.9	2.9	2.9	2.9	23.4	23.3	23.8
Pennsylvania	1,019.5	976.5	976.9	262.4	267.2	268.0	1,167.9	1,160.9	1,166.4
Allentown-Bethlehem	74.2	74.1	73.7	14.6	14.5	14.5	62.6	63.7	63.8
Altoona	10.9	10.4	10.6	4.8	4.8	4.8	14.1	14.1	14.2
Beaver County	9.2	8.8	8.9	5.2	4.8	4.9	11.4	11.7	11.6
Erie	35.9	35.9	35.7	4.2	4.4	4.3	25.1	25.5	25.3
Harrisburg-Lebanon-Carlisle	49.8	47.2	46.9	19.6	20.7	20.8	69.8	68.1	67.7
Johnstown	14.0	14.3	14.3	5.5	5.5	5.4	17.7	17.7	17.7
Lancaster	58.2	55.8	55.4	7.7	7.6	7.6	47.8	45.7	46.3
Philadelphia PMSA	350.9	334.2	333.5	99.7	99.1	99.0	504.8	499.4	498.9
Philadelphia City	83.7	78.1	77.7	39.8	39.3	39.3	138.9	129.4	129.6
Pittsburgh	118.5	115.8	115.7	53.2	54.7	54.5	221.0	219.7	220.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
New Mexico	26.0	25.7	25.8	145.0	146.9	148.0	151.7	151.9	152.1
Albuquerque	14.1	13.8	13.9	73.8	75.6	75.7	50.2	50.1	50.4
Las Cruces	1.6	1.6	1.6	7.8	8.0	8.1	18.6	18.6	18.8
Santa Fe	2.3	2.3	2.3	15.8	16.2	16.3	23.9	24.8	24.7
New York	782.5	754.1	756.1	2,371.5	2,392.7	2,409.4	1,487.2	1,472.0	1,478.2
Albany-Schenectady-Troy	24.8	25.1	25.2	117.1	119.8	120.3	117.0	116.1	115.5
Binghamton	4.1	4.0	4.0	24.9	24.7	24.8	21.8	21.7	21.5
Buffalo	27.4	27.2	27.3	126.1	127.3	128.4	77.3	76.8	77.2
Elmira	1.6	1.4	1.4	10.6	10.3	10.3	7.3	7.2	7.2
Glens Falls	1.6	1.6	1.6	10.6	10.7	10.6	9.4	9.6	9.6
Nassau-Suffolk	80.7	80.5	81.0	306.1	308.4	313.4	189.2	186.9	187.4
New York PMSA	559.9	533.1	534.5	1,317.8	1,327.3	1,335.7	695.2	684.6	691.9
New York City	524.3	497.6	498.9	1,159.1	1,168.5	1,175.0	611.3	600.6	608.0
Niagara Falls	2.0	2.0	2.0	17.7	18.3	18.6	13.2	13.2	13.1
Orange County	4.8	5.0	5.0	23.9	24.4	24.5	24.5	24.0	24.0
Poughkeepsie	4.6	4.7	4.7	29.2	30.2	30.2	25.3	24.6	24.8
Rochester	23.0	22.6	22.7	123.4	127.4	127.0	69.5	69.8	69.1
Rockland County	5.3	5.3	5.3	27.0	27.1	27.2	21.8	21.3	21.3
Syracuse	20.2	20.6	20.6	79.0	80.4	79.4	53.8	53.9	53.8
Utica-Rome	7.5	7.5	7.5	28.1	28.7	28.8	31.9	31.5	31.4
Westchester County	29.5	29.4	29.5	126.6	126.6	128.4	58.1	58.5	58.4
North Carolina	133.2	134.0	133.7	586.7	597.5	602.9	500.7	509.6	511.5
Asheville	3.0	2.9	2.8	20.4	20.9	21.1	13.1	12.9	13.1
Charlotte-Gastonia-Rock Hill	38.0	37.8	37.7	123.0	126.2	128.1	70.8	75.0	75.6
Greensboro-Winston-Salem-High Point	24.2	23.7	23.7	101.7	104.8	105.2	55.9	56.5	57.0
Raleigh-Durham	24.3	24.0	23.9	114.5	115.4	116.4	96.4	96.0	96.6
North Dakota	12.2	12.4	12.4	67.5	69.8	70.3	66.8	66.3	66.6
Bismarck	1.5	1.5	1.5	12.1	12.8	12.8	8.9	9.1	9.2
Fargo-Moorhead	4.5	4.6	4.6	21.6	22.5	22.6	15.4	15.6	15.4
Grand Forks	1.1	1.1	1.1	7.0	7.4	7.4	10.0	10.0	10.0
Ohio	252.3	254.0	254.8	1,161.5	1,194.7	1,208.9	738.3	744.0	750.2
Akron	10.8	10.5	10.5	66.5	68.7	69.5	47.0	47.3	47.9
Canton	7.0	6.5	6.6	38.5	39.8	40.4	19.5	19.9	19.9
Cincinnati	43.2	43.9	44.1	186.1	192.5	196.1	95.7	98.1	98.4
Cleveland	57.5	57.7	57.9	255.0	255.7	259.2	121.3	119.9	121.0
Columbus	59.9	60.6	60.7	176.0	184.5	186.8	130.6	132.8	133.5
Dayton-Springfield	17.1	17.4	17.5	117.3	118.8	119.7	78.2	78.4	78.8
Toledo	12.0	11.9	11.9	75.4	76.6	77.8	46.2	45.3	45.9
Youngstown-Warren	8.5	8.2	8.3	46.8	47.1	47.7	25.1	25.3	25.5
Oklahoma	59.6	58.2	58.2	269.7	279.4	280.4	267.6	269.5	270.1
Enid .....	.9	.9	.9	5.3	5.3	5.4	3.9	4.1	4.1
Lawton	1.8	1.6	1.6	6.7	6.1	6.3	12.3	12.0	12.1
Oklahoma City	24.5	24.5	24.6	105.5	107.6	108.2	104.4	103.4	104.3
Tulsa	17.2	17.7	17.6	81.8	83.3	83.3	38.6	39.0	38.8
Oregon	77.6	80.5	80.7	291.8	300.2	302.5	224.7	230.3	231.4
Eugene-Springfield	5.7	5.7	5.7	28.0	29.1	29.1	24.7	25.5	25.6
Medford	2.6	2.5	2.5	12.2	12.6	12.7	9.8	9.5	9.5
Portland	50.4	51.8	51.9	163.3	168.3	169.4	84.4	86.5	87.1
Salem	5.8	6.0	6.0	23.1	23.7	24.0	32.0	32.9	32.7
Pennsylvania	299.5	298.3	298.4	1,436.1	1,459.3	1,466.9	720.5	718.1	719.1
Allentown-Bethlehem	14.5	14.6	14.7	74.4	75.7	76.3	32.3	32.0	32.2
Altoona	2.1	2.1	2.1	11.9	12.2	12.2	7.5	7.5	7.5
Beaver County	1.6	1.5	1.6	12.3	12.6	12.6	8.1	8.0	8.0
Erie	5.5	5.5	5.5	29.9	30.4	30.8	14.5	14.6	14.5
Harrisburg-Lebanon-Carlisle	20.7	21.5	21.6	69.2	70.3	71.0	69.3	69.5	69.9
Johnstown	4.6	4.5	4.6	21.2	21.8	21.9	12.9	13.1	13.0
Lancaster	7.6	7.9	7.9	41.8	42.9	43.5	17.6	17.8	18.0
Philadelphia PMSA	162.1	160.2	160.2	686.2	704.2	708.3	307.8	305.6	305.9
Philadelphia City	66.2	63.4	63.3	267.9	271.8	272.2	142.9	140.3	140.2
Pittsburgh	55.4	55.3	55.5	305.7	310.8	313.1	107.7	107.6	108.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P
Pennsylvania-Continued									
Reading	153.6	150.4	151.3	(¹)	(¹)	(¹)	6.9	6.5	6.8
Scranton-Wilkes-Barre	306.3	303.4	304.3	0.6	0.6	0.6	12.0	10.8	11.1
Sharon	43.7	44.0	43.8	(¹)	(¹)	(¹)	1.3	1.2	1.2
State College	61.1	61.7	61.5	.4	.4	.4	2.2	1.9	2.0
Williamsport	51.3	50.9	50.7	(¹)	(¹)	(¹)	2.5	2.4	2.5
York	181.1	180.4	180.5	.5	.5	.5	9.6	9.3	9.3
Rhode Island									
Pawtucket-Woonsocket-Attleboro	449.9	436.4	436.2	.1	.1	.1	16.9	14.0	13.9
Providence	129.1	121.5	121.4	.2	.1	.1	4.1	3.0	3.0
Providence	319.7	311.2	310.8	.1	.1	.1	12.5	10.5	10.6
South Carolina									
.....	1,533.6	1,538.1	1,544.9	2.0	2.0	2.0	100.4	95.4	96.6
Charleston	204.7	210.9	212.1	(¹)	(¹)	(¹)	16.1	15.8	15.8
Columbia	246.0	249.6	250.5	(¹)	(¹)	(¹)	14.2	13.9	13.7
Greenville-Spartanburg	335.1	337.1	337.5	(¹)	(¹)	(¹)	25.3	24.8	24.9
South Dakota									
.....	279.9	286.2	287.7	2.4	2.6	2.6	9.4	10.2	10.4
Rapid City	36.8	37.6	37.6	.2	.2	.2	2.0	2.3	2.3
Sioux Falls	73.7	75.2	75.4	(¹)	(¹)	(¹)	3.1	3.1	3.1
Tennessee									
.....	2,175.4	2,157.8	2,169.0	6.2	5.8	6.0	90.3	81.9	82.8
Chattanooga	201.5	199.3	199.7	.6	.6	.6	6.9	7.0	7.0
Johnson City-Kingsport-Bristol	171.4	169.5	170.3	(¹)	(¹)	(¹)	6.8	6.4	6.4
Knoxville	264.5	258.9	260.9	1.4	1.4	1.4	13.5	11.6	11.8
Memphis	472.9	475.3	477.8	(¹)	(¹)	(¹)	19.5	19.3	19.5
Nashville	501.4	500.4	501.6	(¹)	(¹)	(¹)	24.2	23.3	23.4
Texas									
.....	6,989.5	7,084.0	7,093.4	176.3	182.8	182.5	324.9	335.4	336.8
Abilene	48.4	48.4	48.6	1.4	1.5	1.5	1.5	1.5	1.5
Amarillo	76.8	77.3	77.5	1.1	1.1	1.1	2.9	2.8	2.7
Austin	374.5	382.8	383.8	.7	.7	.7	11.2	12.1	12.2
Beaumont-Port Arthur	139.6	146.8	148.2	1.6	1.9	1.8	10.5	12.8	13.3
Brazoria	85.3	67.2	67.4	1.9	2.1	2.0	8.3	8.4	8.6
Brownsville-Harlingen	75.4	76.3	77.4	(¹)	(¹)	(¹)	2.2	2.3	2.5
Bryan-College Station	55.1	55.1	55.9	.6	.6	.5	2.0	1.8	1.8
Corpus Christi	134.5	137.7	137.8	3.9	4.1	4.1	12.6	11.7	11.4
Dallas	1,365.1	1,373.7	1,374.7	17.8	17.9	17.9	44.7	46.4	46.6
El Paso	206.4	209.8	209.7	(¹)	(¹)	(¹)	7.9	8.1	8.1
Ft. Worth-Arlington	581.6	584.7	584.0	4.2	4.7	4.7	21.1	21.8	21.8
Galveston-Texas City	75.2	75.1	76.4	.5	.6	.7	4.7	4.1	4.1
Houston	1,570.0	1,614.0	1,622.4	66.1	72.1	72.4	108.5	107.4	108.6
Killeen-Temple	73.7	72.4	72.8	(¹)	(¹)	(¹)	2.6	2.2	2.3
Laredo	44.0	45.0	45.1	1.7	1.8	1.8	1.3	1.3	1.3
Longview-Marshall	69.3	68.4	68.4	3.5	3.4	3.4	3.7	3.4	3.4
Lubbock	97.6	98.4	98.5	.3	.2	.2	2.9	3.2	3.2
McAllen-Edinburg-Mission	101.6	102.7	103.1	.9	.9	.9	4.4	4.5	4.6
Midland	43.9	44.7	44.8	8.9	9.1	9.0	1.3	1.4	1.4
Odessa	43.5	44.1	44.2	5.2	5.1	5.1	2.2	2.2	2.2
San Angelo	38.2	36.4	36.7	.5	.5	.5	1.1	1.1	1.2
San Antonio	519.7	517.8	518.0	1.8	1.8	1.8	20.9	22.0	22.0
Sherman-Denison	37.5	37.9	37.7	(¹)	(¹)	(¹)	1.4	1.4	1.4
Texarkana	47.1	46.2	45.8	.1	.1	.1	1.2	1.4	1.3
Tyler	61.8	62.0	62.2	1.7	1.7	1.7	1.6	1.6	1.6
Victoria	27.7	28.8	28.7	1.5	1.7	1.6	1.6	1.5	1.7
Waco	81.4	82.5	82.6	(¹)	(¹)	(¹)	3.1	3.0	3.0
Wichita Falls	50.2	49.6	50.0	1.4	1.4	1.4	1.9	1.7	1.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Pennsylvania—Continued									
Reading	46.3	43.6	43.5	6.6	6.6	6.7	34.1	33.5	33.6
Scranton-Wilkes-Barre	70.7	67.5	67.6	16.5	16.8	16.8	72.5	72.4	72.5
Sharon	11.6	11.3	11.4	2.1	2.0	2.0	10.6	10.9	10.7
State College	8.7	8.6	8.6	1.7	1.7	1.7	11.6	12.2	12.3
Williamsport	15.7	15.2	15.1	1.7	1.7	1.7	11.5	11.4	11.4
York	57.9	55.1	55.9	8.0	8.0	7.9	46.1	46.4	46.3
Rhode Island									
Pawtucket-Woonsocket-Attleboro	101.3	94.1	93.6	15.6	15.1	15.1	98.2	92.9	92.8
Providence	46.4	43.8	43.7	3.7	3.4	3.4	32.7	30.7	30.7
	64.0	59.8	59.5	11.9	11.5	11.4	66.9	62.2	61.7
South Carolina									
Charleston	384.8	368.6	365.6	66.4	66.2	65.9	339.8	338.6	341.3
Columbia	21.0	21.0	20.8	10.6	10.8	10.7	50.0	52.0	52.6
Greenville-Spartanburg	28.3	27.1	27.3	11.4	11.3	11.1	54.7	55.2	55.3
	99.8	97.0	95.5	14.4	14.5	14.6	77.4	78.2	78.8
South Dakota									
Rapid City	33.5	33.4	33.8	13.1	13.8	13.9	72.2	74.8	75.1
Sioux Falls	3.9	3.8	3.7	1.9	1.9	1.9	10.2	10.8	10.7
	8.9	9.0	9.1	4.8	4.9	5.0	20.3	21.2	20.9
Tennessee									
Chattanooga	523.2	509.6	509.5	114.8	115.6	116.5	505.2	505.0	507.2
Johnson City-Kingsport-Bristol	47.2	44.8	44.7	9.1	9.1	9.1	47.3	47.3	47.7
Knoxville	54.2	50.9	51.3	6.1	6.3	6.3	39.3	38.9	38.8
Memphis	51.0	47.5	47.8	11.2	11.4	11.3	68.4	67.5	68.3
Nashville	62.4	60.2	60.7	46.7	47.6	47.9	124.2	124.0	124.3
	89.7	87.1	87.0	27.2	27.0	27.0	122.8	122.4	122.9
Texas									
Abiene	985.9	976.0	974.3	415.9	426.2	427.0	1,684.7	1,692.9	1,695.6
Amarillo	5.0	4.5	4.5	2.7	2.7	2.7	12.4	12.6	12.6
Austin	8.6	8.8	9.0	5.4	5.5	5.6	22.3	21.9	21.9
Beaumont-Port Arthur	47.2	49.1	48.8	11.7	12.0	12.0	76.8	75.3	75.5
Brazoria	24.9	25.8	26.0	9.6	9.6	9.6	31.7	33.0	33.2
Brownsville-Harlingen	16.3	16.8	16.8	2.9	3.2	3.0	12.3	12.5	12.8
Bryan-College Station	11.2	11.7	11.8	3.2	3.3	3.4	20.4	20.3	20.5
Corpus Christi	3.6	3.3	3.3	1.3	1.3	1.3	11.1	11.2	11.0
Dallas	11.7	12.5	12.3	6.6	6.7	6.5	31.5	31.8	32.0
El Paso	221.4	217.1	215.7	82.2	82.4	82.7	347.8	352.0	351.7
Ft. Worth-Arlington	40.8	41.2	41.4	10.7	10.7	10.7	51.3	52.2	52.5
Galveston-Texas City	119.4	108.5	108.0	54.2	56.2	56.2	148.2	150.0	149.7
Houston	8.9	8.6	8.7	5.0	5.0	5.1	14.7	14.8	15.3
Killeen-Temple	171.7	176.5	176.8	107.5	112.6	112.4	368.1	367.6	369.3
Laredo	8.7	8.8	8.8	2.6	2.4	2.4	16.6	15.4	15.6
Longview-Marshall	1.7	1.5	1.5	6.2	6.2	6.3	13.8	14.0	14.0
Lubbock	16.5	16.0	16.0	3.4	3.5	3.5	16.9	16.7	16.7
McAllen-Edinburg-Mission	7.3	7.2	7.1	5.7	5.6	5.5	27.8	28.3	28.5
Midland	13.1	13.2	13.0	3.1	3.2	3.2	31.4	32.0	32.1
Odessa	2.2	2.3	2.3	2.4	2.3	2.3	10.2	10.6	10.5
San Angelo	4.2	4.3	4.3	2.0	2.0	2.0	12.3	12.7	12.7
San Antonio	5.0	4.9	5.1	2.6	2.6	2.6	9.0	8.6	8.8
Sherman-Denison	46.1	43.8	43.1	21.8	21.7	21.9	127.8	128.4	128.5
Texasarkana	10.9	10.7	10.6	1.5	1.6	1.6	7.6	7.8	7.8
Tyler	7.1	6.9	6.9	2.4	2.4	2.4	10.9	10.7	10.7
Victoria	10.7	10.8	10.8	2.8	2.9	2.9	16.0	15.8	15.8
Waco	2.9	3.1	3.1	1.4	1.4	1.4	7.5	7.6	7.3
Wichita Falls	15.9	15.9	16.1	3.5	3.4	3.4	18.3	19.2	19.2
	8.2	8.0	8.0	2.7	2.6	2.7	11.5	11.4	11.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Pennsylvania-Continued									
Reading	8.3	8.3	8.3	33.2	33.4	33.8	18.2	18.5	18.6
Scranton-Wilkes-Barre	13.7	13.5	13.5	77.2	79.5	79.7	43.1	42.3	42.5
Sharon	1.3	1.3	1.3	11.4	11.7	11.6	5.4	5.6	5.6
State College	1.9	1.9	1.9	11.0	10.9	11.0	23.6	24.1	23.6
Williamsport	2.3	2.3	2.4	10.8	10.8	10.5	6.8	7.1	7.1
York	5.2	5.3	5.4	34.5	36.4	35.8	19.3	19.4	19.4
Rhode Island									
Pawtucket-Woonsocket-Attleboro	27.2	26.5	26.6	127.4	129.0	128.9	63.2	64.7	65.2
Providence	3.8	3.6	3.6	26.7	25.2	25.2	11.5	11.7	11.7
Providence	22.3	22.1	22.2	95.6	97.7	97.7	46.4	47.3	47.6
South Carolina									
Charleston	65.9	65.0	65.0	289.0	302.0	306.7	285.3	300.3	301.8
Columbia	7.8	7.5	7.6	44.6	47.4	48.0	54.6	56.4	56.6
Columbia	18.3	17.6	17.6	50.6	54.2	54.5	68.5	70.3	71.0
Greenville-Spartanburg	11.8	11.9	11.9	64.2	66.1	67.0	42.2	44.6	44.8
South Dakota									
Rapid City	16.2	16.3	16.4	69.6	71.1	71.3	63.5	64.0	64.2
Rapid City	1.5	1.4	1.4	9.8	9.7	9.9	7.3	7.5	7.5
Sioux Falls	8.0	8.2	8.2	20.8	21.2	21.4	7.8	7.6	7.7
Tennessee									
Chattanooga	102.2	101.0	101.3	478.3	483.1	489.4	355.2	355.8	356.3
Chattanooga	12.9	13.3	13.4	42.6	42.1	42.2	34.9	35.1	35.0
Johnson City-Kingsport-Bristol	5.2	5.0	5.1	34.5	35.8	36.1	25.3	26.2	26.3
Knoxville	9.9	10.4	10.4	56.8	57.1	57.7	52.3	52.0	52.2
Memphis	25.0	25.2	25.2	118.0	120.7	121.5	77.1	78.3	78.7
Nashville	31.0	30.3	30.4	135.8	140.0	140.7	70.7	70.3	70.2
Texas									
Abiene	430.5	428.9	428.4	1,694.8	1,728.7	1,731.5	1,276.5	1,313.9	1,317.3
Abiene	2.0	1.9	1.9	14.2	14.5	14.7	9.2	9.2	9.2
Amarillo	4.2	4.3	4.3	17.7	17.8	17.7	14.6	15.1	15.2
Austin	23.2	23.4	23.4	94.6	98.0	98.7	109.1	112.2	112.5
Beaumont-Port Arthur	5.3	5.4	5.4	34.4	36.7	37.1	21.6	21.6	21.8
Brazoria	1.8	1.8	1.8	9.7	9.8	9.9	12.1	12.6	12.5
Brownsville-Harlingen	3.6	3.4	3.6	17.2	17.5	17.7	17.6	17.8	17.9
Bryan-College Station	1.8	1.8	1.8	10.3	10.7	11.0	24.4	24.4	25.2
Corpus Christi	6.4	6.3	6.3	31.7	33.3	33.7	30.1	31.3	31.5
Dallas	126.6	123.1	123.1	364.1	371.3	373.1	160.5	163.5	163.9
El Paso	8.3	8.3	8.3	43.1	43.7	43.7	44.3	45.6	45.0
Ft. Worth-Arlington	27.4	26.8	26.8	132.2	138.1	138.1	74.9	78.6	78.7
Galveston-Texas City	5.0	5.0	5.0	14.2	14.1	14.6	22.2	22.9	22.9
Houston	101.1	103.0	103.3	438.6	461.8	465.0	208.4	213.0	214.6
Killeen-Temple	3.3	3.4	3.3	17.2	17.3	17.5	22.7	22.9	22.9
Laredo	1.8	1.8	1.8	7.8	8.2	8.3	9.7	10.2	10.1
Longview-Marshall	2.7	2.6	2.6	13.4	13.9	13.9	9.2	8.9	8.9
Lubbock	5.3	5.4	5.6	25.2	25.2	25.0	23.1	23.3	23.4
McAllen-Edinburg-Mission	3.9	4.1	4.1	17.8	18.4	18.3	27.0	26.4	26.9
Midland	2.4	2.4	2.4	9.3	9.5	9.8	7.2	7.1	7.1
Odessa	1.5	1.3	1.3	7.9	8.3	8.4	8.2	8.2	8.2
San Angelo	1.6	1.6	1.6	8.9	9.2	9.1	7.5	7.9	7.8
San Antonio	40.2	38.1	37.9	139.7	139.7	140.6	121.4	122.3	122.2
Sherman-Denison	2.1	2.1	2.1	9.5	9.8	9.7	4.5	4.5	4.5
Texarkana	1.8	1.7	1.7	10.7	11.1	11.2	12.9	11.9	11.5
Tyler	3.5	3.5	3.5	15.5	16.0	16.0	10.0	9.7	9.9
Victoria	1.6	1.6	1.6	5.9	6.4	6.5	5.3	5.5	5.5
Waco	5.1	5.2	5.2	22.4	22.4	22.3	13.1	13.4	13.4
Wichita Falls	2.2	2.1	2.1	12.5	12.5	12.7	9.8	9.9	9.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Utah	707.5	730.7	737.7	8.3	8.6	8.6	23.7	24.6	25.7
Provo-Orem	91.5	96.7	97.5	(¹)	(¹)	(¹)	2.5	2.8	3.1
Salt Lake City-Ogden	483.1	496.6	499.9	2.6	2.9	3.0	16.9	17.9	18.6
Vermont	257.6	252.2	250.1	.5	.4	.5	12.4	12.5	12.2
Barre-Montpelier	34.1	33.8	33.9	(¹)	(¹)	(¹)	1.7	1.8	1.9
Burlington	80.1	77.9	78.4	(¹)	(¹)	(¹)	4.0	3.6	3.7
Virginia	2,881.9	2,833.8	2,839.3	15.5	14.6	14.9	184.7	156.3	156.4
Bristol	34.4	34.4	34.7	(¹)	(¹)	(¹)	1.0	1.1	1.1
Charlottesville	72.6	72.8	72.7	(¹)	(¹)	(¹)	4.5	3.7	3.6
Danville	42.3	40.8	40.1	(¹)	(¹)	(¹)	2.0	1.9	2.0
Lynchburg	77.2	76.6	76.2	(¹)	(¹)	(¹)	3.4	3.5	3.5
Norfolk-Virginia Beach-Newport News	579.1	569.9	572.2	(¹)	(¹)	(¹)	35.6	31.1	31.4
Northern Virginia	773.0	750.1	752.1	.6	.5	.5	56.9	40.9	40.5
Richmond-Petersburg	473.2	473.5	475.4	.7	.7	.7	30.8	28.2	28.5
Roanoke	126.1	126.6	125.9	(¹)	(¹)	(¹)	7.5	7.0	6.9
Washington	2,108.1	2,156.4	2,169.7	3.6	3.5	3.5	108.9	113.7	114.9
Seattle	1,095.0	1,107.7	1,112.8	.6	.6	.6	58.7	57.3	58.2
West Virginia	621.0	618.1	622.5	35.0	34.4	34.0	25.1	23.0	25.4
Charleston	110.3	110.4	111.2	2.1	2.1	2.1	4.4	4.0	4.2
Huntington-Ashland	109.8	110.9	111.9	1.5	1.5	1.5	4.8	4.8	5.0
Parkersburg-Marietta	61.0	60.8	61.2	.5	.5	.5	2.6	2.4	2.6
Wheeling	59.7	59.0	59.1	2.3	2.0	2.0	1.6	1.5	1.6
Wisconsin	2,236.0	2,246.9	2,253.4	1.7	1.5	1.6	72.2	68.0	69.8
Appleton-Oshkosh-Neenah	157.1	159.7	160.9	(¹)	(¹)	(¹)	6.4	7.4	7.6
Eau Claire	56.6	57.7	58.2	(¹)	(¹)	(¹)	1.6	1.5	1.7
Green Bay	102.9	106.0	107.0	(¹)	(¹)	(¹)	4.2	4.9	5.0
Janesville-Beloit	59.9	56.4	57.8	(¹)	(¹)	(¹)	1.6	1.3	1.5
Kenosha	40.1	41.4	41.4	(¹)	(¹)	(¹)	1.6	1.7	1.6
La Crosse	53.0	52.9	52.8	(¹)	(¹)	(¹)	1.3	1.1	1.2
Madison	216.2	221.5	223.2	(¹)	(¹)	(¹)	7.3	7.0	7.1
Milwaukee	749.1	750.3	750.0	(¹)	(¹)	(¹)	24.7	23.5	23.7
Racine	75.6	75.9	76.3	(¹)	(¹)	(¹)	2.4	2.0	1.9
Sheboygan	51.0	51.3	51.2	(¹)	(¹)	(¹)	1.6	1.3	1.1
Wausau	51.6	52.1	52.6	(¹)	(¹)	(¹)	1.9	2.0	2.2
Wyoming	190.2	191.7	193.9	17.2	17.7	17.5	9.1	8.3	9.4
Casper	27.8	28.1	28.6	2.3	2.5	2.4	1.6	1.5	1.7
Puerto Rico	842.0	835.0	831.4	1.0	.9	.9	44.3	47.1	46.5
Caguas	54.4	54.3	53.7	(¹)	(¹)	(¹)	1.5	1.5	1.4
Mayaguez	58.0	58.1	57.1	(¹)	(¹)	(¹)	2.3	2.1	2.1
Ponce	55.9	55.3	55.1	(¹)	(¹)	(¹)	4.6	4.1	4.0
San Juan	520.3	515.4	514.9	.6	.5	.5	31.6	32.7	33.1
Virgin Islands	43.0	43.4	43.3	(¹)	(¹)	(¹)	4.0	4.2	4.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Utah	104.6	108.0	108.3	41.8	42.1	42.5	165.5	170.6	171.6
Provo-Orem	13.7	14.0	14.0	2.6	2.4	2.4	20.5	22.2	22.2
Salt Lake City-Ogden	68.1	69.5	70.2	32.2	32.8	33.0	117.7	118.0	118.5
Vermont	46.7	43.7	43.7	10.8	10.6	10.6	59.2	57.7	57.4
Barre-Montpelier	4.5	4.2	4.2	1.0	.9	1.0	7.3	7.0	6.9
Burlington	16.1	14.9	15.0	3.5	3.2	3.2	19.1	19.0	19.0
Virginia	427.8	412.0	407.2	147.5	148.0	147.6	642.6	634.3	636.3
Bristol	10.9	10.4	10.6	1.5	1.6	1.6	8.7	8.7	8.7
Charlottesville	9.0	8.8	8.3	2.6	2.6	2.6	14.8	14.9	14.8
Danville	16.7	14.9	14.1	1.1	1.1	1.1	8.5	8.7	8.7
Lynchburg	23.9	23.5	23.2	3.0	2.9	2.9	16.5	16.2	16.0
Norfolk-Virginia Beach-Newport News	65.3	64.6	64.1	27.6	28.0	27.7	139.8	135.2	135.4
Northern Virginia	35.2	34.0	33.5	50.5	49.9	49.8	172.5	167.5	168.1
Richmond-Petersburg	64.6	64.6	64.3	23.8	23.9	23.9	107.8	106.0	106.5
Roanoke	19.9	19.4	18.8	8.3	8.2	8.2	34.0	34.4	34.2
Washington	366.9	359.8	360.4	110.7	114.1	114.5	505.8	510.7	514.5
Seattle	223.6	219.9	219.6	67.4	68.4	68.3	257.7	259.2	261.0
West Virginia	87.8	84.5	83.6	37.0	36.8	36.7	141.8	141.5	142.1
Charleston	10.9	10.6	10.5	8.8	9.0	9.0	28.5	28.6	29.0
Huntington-Ashland	20.0	19.8	19.6	7.4	8.0	8.2	27.7	27.8	28.0
Parkersburg-Marietta	14.5	14.0	13.9	2.5	2.4	2.4	14.5	14.6	14.7
Wheeling	7.2	7.1	7.1	3.3	3.2	3.2	15.7	15.9	15.9
Wisconsin	551.4	542.3	540.6	103.8	105.9	106.4	521.4	522.0	523.8
Appleton-Oshkosh-Neenah	53.3	51.9	52.1	6.2	6.5	6.4	33.1	33.8	34.0
Eau Claire	9.9	10.9	10.8	3.1	3.1	3.2	15.4	15.0	15.1
Green Bay	22.7	22.6	22.8	7.4	7.5	7.5	26.8	27.0	27.1
Janesville-Beloit	19.1	15.7	16.3	2.5	2.2	2.3	13.9	14.1	14.2
Kenosha	9.9	9.3	9.3	1.4	1.4	1.4	10.5	11.3	11.3
La Crosse	10.5	10.7	10.7	2.4	2.4	2.4	14.2	14.4	14.3
Madison	25.1	25.9	26.1	7.9	8.7	8.7	48.1	49.7	49.6
Milwaukee	175.6	172.9	171.2	36.4	37.1	37.3	169.5	168.8	169.1
Racine	26.6	25.9	25.8	2.4	2.3	2.3	16.9	17.4	17.7
Sheboygan	21.5	21.8	21.7	1.6	1.7	1.7	9.4	9.6	9.6
Wausau	14.8	14.4	14.5	3.1	3.2	3.2	12.3	12.3	12.4
Wyoming	9.0	9.3	9.3	14.2	14.2	14.2	41.9	42.9	43.2
Casper	1.6	1.7	1.7	1.7	1.7	1.7	7.5	7.7	7.7
Puerto Rico	158.5	152.7	151.9	21.4	20.1	19.9	154.2	153.5	151.5
Caguas	15.7	15.7	15.5	.5	.6	.6	11.3	11.0	10.8
Mayaguez	19.6	18.7	17.8	.5	.5	.6	8.3	8.8	8.7
Ponce	11.0	9.9	10.4	1.7	1.3	1.4	8.6	8.5	8.4
San Juan	65.9	64.3	64.7	16.9	16.9	16.8	105.7	105.3	104.3
Virgin Islands	2.4	2.5	2.5	2.2	2.3	2.3	9.4	9.5	9.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Utah	34.0	34.8	35.1	177.6	187.4	190.3	152.0	154.6	155.6
Provo-Orem	2.3	2.3	2.3	35.1	37.8	38.2	14.8	15.2	15.3
Salt Lake City-Ogden	27.5	28.5	28.7	119.0	125.5	126.7	99.1	101.5	101.2
Vermont	12.9	11.5	11.3	70.5	70.5	69.4	44.6	45.3	45.0
Barre-Montpelier	3.2	2.6	2.6	8.3	9.0	8.9	8.1	8.3	8.4
Burlington	4.1	4.0	4.0	20.4	20.5	20.5	12.9	12.7	13.0
Virginia	153.5	149.8	150.2	724.5	729.1	737.1	585.8	589.7	589.6
Bristol	1.2	1.1	1.1	5.5	5.6	5.6	5.6	5.9	6.0
Charlottesville	3.8	3.5	3.6	13.9	14.5	14.8	24.0	24.8	25.0
Danville	1.4	1.4	1.4	6.9	7.1	7.1	5.7	5.7	5.7
Lynchburg	3.4	3.4	3.4	17.1	17.1	17.2	9.9	10.0	10.0
Norfolk-Virginia Beach-Newport News	26.4	26.0	25.9	147.7	147.5	150.0	136.7	137.5	137.7
Northern Virginia	50.8	49.5	49.5	257.7	258.3	260.6	148.8	149.5	149.6
Richmond-Petersburg	39.9	39.7	40.0	106.7	110.9	112.8	98.9	99.5	98.7
Roanoke	8.7	8.5	8.6	31.8	33.3	33.2	15.9	15.8	16.0
Washington	115.3	117.3	117.8	498.9	525.7	529.4	398.0	411.6	414.7
Seattle	73.4	74.9	74.9	266.7	277.2	279.1	146.9	150.2	151.1
West Virginia	24.6	24.6	24.6	142.4	148.4	150.0	127.3	124.9	126.1
Charleston	6.6	6.5	6.6	28.8	29.8	29.9	20.2	19.8	19.9
Huntington-Ashland	3.8	3.9	3.9	24.6	25.7	26.0	20.0	19.4	19.7
Parkersburg-Marietta	2.2	2.2	2.2	14.4	15.0	15.1	9.8	9.7	9.8
Wheeling	3.0	3.1	3.1	17.0	17.0	17.1	9.6	9.2	9.1
Wisconsin	118.2	121.3	120.9	519.6	532.9	536.7	347.5	353.0	353.6
Appleton-Oshkosh-Neenah	7.5	7.9	8.0	32.2	33.5	34.0	18.3	18.8	18.8
Eau Claire	1.8	1.8	1.8	13.3	13.3	13.4	11.4	12.0	12.1
Green Bay	5.4	6.3	6.4	24.6	25.3	25.5	11.8	12.4	12.8
Janesville-Beloit	1.7	1.7	1.6	13.8	13.9	14.2	7.4	7.6	7.6
Kenosha	1.3	1.4	1.3	9.0	9.9	9.8	6.4	6.5	6.6
La Crosse	1.6	1.6	1.6	14.8	14.9	14.9	8.1	7.8	7.7
Madison	18.8	19.5	19.6	48.5	49.4	50.3	60.5	61.4	61.7
Milwaukee	50.2	50.7	50.5	206.1	209.4	210.1	86.6	87.9	88.2
Racine	2.2	2.3	2.3	16.9	17.3	17.7	8.3	8.7	8.6
Sheboygan	2.4	2.2	2.2	9.1	9.2	9.1	5.5	5.6	5.8
Wausau	3.6	3.8	4.0	9.4	9.8	9.9	6.5	6.6	6.6
Wyoming	7.0	7.0	7.0	35.5	35.8	36.3	56.3	56.5	57.0
Casper	1.4	1.4	1.4	6.5	6.4	6.6	5.2	5.2	5.4
Puerto Rico	37.0	36.5	36.4	134.5	134.0	134.8	291.1	290.4	289.4
Caguas	1.3	1.3	1.3	7.8	7.6	7.8	16.3	16.5	16.4
Mayaguez	1.4	1.5	1.5	7.0	7.7	7.8	18.9	18.8	18.7
Ponce	1.8	1.8	1.8	11.1	12.0	11.6	17.1	17.7	17.5
San Juan	29.2	29.1	29.0	95.6	94.1	94.6	174.9	172.3	171.9
Virgin Islands	2.1	2.1	2.1	9.2	9.4	9.3	13.7	13.4	13.4

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 1990 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm 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	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989	34.6	9.66	334.24	43.0	13.25	569.75	37.9	13.52	512.41
1990	34.5	10.03	346.04	44.0	13.65	600.60	38.2	13.73	524.49
Monthly data, not seasonally adjusted									
1990:									
April	34.4	\$9.97	\$342.97	43.1	\$13.66	\$588.75	37.3	\$13.58	\$506.53
May	34.4	9.97	342.97	43.2	13.56	585.79	38.2	13.68	522.58
June	34.8	9.98	347.30	44.4	13.66	606.50	39.1	13.63	532.93
July	34.9	10.00	349.00	43.6	13.69	596.88	38.3	13.70	524.71
August	34.8	10.00	348.00	44.0	13.63	599.72	39.0	13.74	535.86
September	34.8	10.16	353.57	45.1	13.82	623.28	39.0	13.92	542.88
October	34.3	10.16	348.49	44.6	13.69	610.57	38.0	13.92	528.96
November	34.3	10.17	348.83	44.9	13.78	618.72	38.2	13.82	527.92
December	34.7	10.20	353.94	45.4	13.84	628.34	38.3	13.87	531.22
1991:									
January	33.8	10.24	346.11	44.4	14.16	628.70	36.1	13.97	504.32
February	33.9	10.24	347.14	44.4	14.07	624.71	37.0	13.86	512.82
March ^p	34.0	10.25	348.50	44.1	14.06	620.05	37.2	13.85	515.22
April ^p	34.1	10.30	351.23	43.9	14.15	621.19	37.8	13.90	525.42

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 nonfarm 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	\$102.36
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.27
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.08
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.87	115.85
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.89
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.74
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.43	136.91
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.68
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.42
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.74
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	170.11
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.42
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.15
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	208.76
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	227.87
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.65
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.4	6.95	267.13
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.75
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.23
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.25
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.78
1985	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.08
1986	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.57
1987	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.30
1988	41.1	10.19	9.73	418.81	38.8	12.26	475.69	38.1	9.98	380.24
1989	41.0	10.49	10.02	430.09	38.9	12.61	490.53	38.0	10.39	394.82
1990	40.8	10.84	10.38	442.27	38.9	12.95	503.76	38.1	10.80	411.48
Monthly data, not seasonally adjusted										
1990:										
April	39.8	\$10.75	\$10.37	\$427.85	38.9	\$12.96	\$504.14	38.1	\$10.78	\$410.72
May	40.9	10.81	10.36	442.13	38.9	12.82	498.70	38.0	10.73	407.74
June	41.1	10.85	10.37	445.94	39.4	12.86	506.68	38.2	10.76	411.03
July	40.5	10.88	10.41	440.64	39.4	12.99	511.81	38.3	10.82	414.41
August	40.8	10.82	10.33	441.46	39.2	12.96	508.03	38.1	10.77	410.34
September	41.3	10.94	10.42	451.82	39.2	13.07	512.34	38.3	10.94	419.00
October	40.9	10.95	10.46	447.86	38.6	13.07	504.50	38.1	10.87	414.15
November	40.8	10.98	10.49	447.98	38.8	13.07	507.12	38.0	10.94	415.72
December	41.3	11.06	10.58	456.78	39.0	13.13	512.07	38.4	11.05	424.32
1991:										
January	40.2	11.06	10.63	444.61	38.2	13.17	503.09	37.7	11.05	416.59
February	39.9	11.03	10.62	440.10	38.2	13.15	502.33	37.8	11.09	419.20
March ^p	40.1	11.07	10.65	443.91	38.2	13.16	502.71	37.9	11.07	419.55
April ^p	40.1	11.12	10.70	445.91	38.4	13.22	507.65	38.0	11.14	423.32

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 nonfarm 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	\$64.81	37.3	\$2.30	\$85.77	36.1	\$1.94	\$70.05
1965	36.6	1.82	66.65	37.2	2.39	88.85	35.9	2.05	73.60
1966	35.9	1.91	68.50	37.3	2.47	92.21	35.5	2.17	76.92
1967	35.3	2.01	70.86	37.1	2.58	95.70	35.1	2.29	80.30
1968	34.7	2.16	74.93	37.0	2.75	101.70	34.7	2.42	84.08
1969	34.2	2.30	78.67	37.1	2.93	108.56	34.7	2.61	90.62
1970	33.8	2.44	82.31	36.7	3.07	112.79	34.4	2.81	96.52
1971	33.7	2.60	87.51	36.6	3.22	118.02	33.9	3.04	103.04
1972	33.4	2.75	92.03	36.6	3.36	122.94	33.9	3.27	110.62
1973	33.1	2.91	96.45	36.6	3.53	129.34	33.8	3.47	117.49
1974	32.7	3.14	102.55	36.5	3.77	137.68	33.6	3.75	126.22
1975	32.4	3.36	108.63	36.5	4.06	147.89	33.5	4.02	134.73
1976	32.1	3.57	114.56	36.4	4.27	155.51	33.3	4.31	143.53
1977	31.6	3.85	121.54	36.4	4.54	165.42	33.0	4.65	153.59
1978	31.0	4.20	130.14	36.4	4.89	178.03	32.8	4.99	163.89
1979	30.6	4.53	138.83	36.2	5.27	190.92	32.7	5.36	175.36
1980	30.2	4.88	147.24	36.2	5.79	209.68	32.6	5.85	190.98
1981	30.1	5.25	157.99	36.3	6.31	228.73	32.6	6.41	209.16
1982	29.9	5.48	163.83	36.2	6.78	245.68	32.6	6.92	225.87
1983	29.8	5.74	171.13	36.2	7.29	263.68	32.7	7.31	239.04
1984	29.8	5.85	174.47	36.5	7.63	278.04	32.6	7.59	247.25
1985	29.4	5.94	174.81	36.4	7.94	289.20	32.5	7.90	256.49
1986	29.2	6.03	175.80	36.4	8.36	304.49	32.5	8.18	265.93
1987	29.2	6.12	178.80	36.3	8.73	316.37	32.5	8.49	276.03
1988	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989	28.9	6.53	188.72	35.8	9.54	341.53	32.6	9.39	306.11
1990	28.8	6.78	195.26	35.8	9.99	357.64	32.6	9.86	321.44
	Monthly data, not seasonally adjusted								
1990:									
April	29.0	\$6.75	\$195.75	36.1	\$9.97	\$359.92	32.6	\$9.82	\$320.13
May	28.8	6.75	194.40	35.5	9.90	351.45	32.3	9.77	315.57
June	29.3	6.75	197.78	35.8	9.90	354.42	32.7	9.75	318.83
July	29.7	6.74	200.18	36.2	10.00	362.00	33.0	9.79	323.07
August	29.4	6.75	198.45	35.7	9.96	355.57	32.8	9.78	320.78
September	28.9	6.85	197.97	36.1	10.12	365.33	32.7	9.98	326.35
October	28.4	6.85	194.54	35.5	10.10	358.55	32.4	9.99	323.68
November	28.4	6.88	195.39	35.6	10.14	360.98	32.4	10.05	325.62
December	29.3	6.86	201.00	36.2	10.25	371.05	32.7	10.14	331.58
1991:									
January	27.7	6.92	191.68	35.7	10.26	366.28	32.1	10.15	325.82
February	28.0	6.91	193.48	35.8	10.32	369.46	32.4	10.18	329.83
March ^p	28.2	6.93	195.43	35.7	10.35	369.50	32.3	10.19	329.14
April ^p	28.3	6.99	197.82	35.7	10.38	370.57	32.4	10.21	330.80

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 reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1989 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 nonfarm payrolls by detailed industry

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Total private		34.3	34.4	33.9	34.0	34.1	-	-	-	-	-
Mining		43.0	43.1	44.4	44.1	43.9	-	-	-	-	-
Metal mining	10	42.0	43.3	42.0	42.3	-	-	-	-	-	-
Iron ores	101	42.8	42.7	42.8	42.3	-	-	-	-	-	-
Copper ores	102	43.8	47.6	45.4	45.8	-	-	-	-	-	-
Coal mining	12	43.8	43.3	44.8	44.6	-	-	-	-	-	-
Bituminous coal and lignite mining	122	43.8	43.3	44.8	44.6	-	-	-	-	-	-
Oil and gas extraction	13	42.5	42.4	45.2	44.5	-	-	-	-	-	-
Crude petroleum and natural gas	131	41.7	42.6	42.1	41.6	-	-	-	-	-	-
Oil and gas field services	138	43.0	42.3	46.9	46.1	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	44.2	44.8	42.3	42.9	-	-	-	-	-	-
Crushed and broken stone	142	44.7	45.3	41.4	42.7	-	-	-	-	-	-
Construction		37.9	37.3	37.0	37.2	37.8	-	-	-	-	-
General building contractors	15	37.6	37.0	36.9	36.9	-	-	-	-	-	-
Residential building construction	152	37.0	36.6	35.6	35.4	-	-	-	-	-	-
Operative builders	153	38.3	37.4	36.5	36.2	-	-	-	-	-	-
Nonresidential building construction	154	38.3	37.4	38.1	38.4	-	-	-	-	-	-
Heavy construction, except building	16	41.4	40.6	40.0	39.8	-	-	-	-	-	-
Highway and street construction	161	40.1	41.1	38.7	39.0	-	-	-	-	-	-
Heavy construction, except highway	162	41.9	40.4	40.4	40.1	-	-	-	-	-	-
Special trade contractors	17	37.1	36.5	36.3	36.6	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	38.3	37.4	37.6	37.7	-	-	-	-	-	-
Painting and paper hanging	172	36.1	34.5	35.1	35.3	-	-	-	-	-	-
Electrical work	173	39.2	38.1	38.4	38.9	-	-	-	-	-	-
Masonry, stonework, and plastering	174	34.9	34.4	34.2	34.3	-	-	-	-	-	-
Carpentry and floor work	175	35.5	34.9	34.2	35.1	-	-	-	-	-	-
Roofing, siding, and sheet metal work	176	33.3	33.2	31.8	31.8	-	-	-	-	-	-
Manufacturing		40.7	39.8	39.9	40.1	40.1	3.5	2.9	3.0	3.1	3.1
Durable goods		41.4	40.3	40.4	40.5	40.5	3.7	2.8	3.0	3.1	3.1
Lumber and wood products	24	40.2	40.1	38.5	38.9	39.4	3.5	3.3	2.6	2.8	-
Logging	241	40.3	41.9	39.6	39.8	-	4.7	5.1	4.2	4.4	-
Sawmills and planing mills	242	41.1	41.1	39.9	40.0	-	4.2	4.1	3.4	3.7	-
Sawmills and planing mills, general	2421	41.5	41.8	40.4	40.6	-	4.6	4.6	3.8	4.1	-
Hardwood dimension and flooring mills	2426	39.7	38.6	37.9	37.5	-	2.9	2.5	2.1	2.1	-
Millwork, plywood, and structural members	243	40.0	39.8	37.4	38.1	-	3.0	2.8	1.8	2.1	-
Millwork	2431	39.2	38.7	36.8	36.4	-	2.2	1.8	1.3	1.4	-
Wood kitchen cabinets	2434	39.9	39.4	36.0	38.2	-	3.1	2.7	1.2	1.9	-
Hardwood veneer and plywood	2435	41.1	40.6	40.1	40.2	-	3.6	3.4	3.2	3.1	-
Softwood veneer and plywood	2436	42.6	43.9	40.0	41.4	-	4.9	5.2	3.1	3.7	-
Wood containers	244	39.4	38.6	38.9	39.4	-	3.4	3.1	2.5	2.8	-
Wood buildings and mobile homes	245	37.5	37.8	34.5	35.5	-	1.6	1.4	.7	1.1	-
Mobile homes	2451	37.2	37.9	34.1	35.1	-	1.5	1.5	.5	.9	-
Miscellaneous wood products	249	40.4	39.4	39.5	39.2	-	3.2	2.6	2.5	2.4	-
Furniture and fixtures	25	39.0	38.0	37.0	37.9	38.3	2.4	1.8	1.4	1.8	-
Household furniture	251	38.8	37.7	36.5	37.5	-	2.4	1.7	1.3	1.7	-
Wood household furniture	2511	39.4	38.3	36.8	38.0	-	2.5	2.0	1.5	2.0	-
Upholstered household furniture	2512	37.4	36.4	35.1	35.8	-	1.8	1.2	.8	1.1	-
Metal household furniture	2514	41.1	39.0	36.9	41.0	-	3.8	2.1	2.0	2.8	-
Mattresses and bedsprings	2515	39.3	39.0	38.2	38.7	-	3.0	2.5	1.7	2.1	-
Office furniture	252	38.2	37.5	35.5	35.7	-	2.0	1.8	1.0	1.0	-
Public building and related furniture	253	40.0	38.8	38.7	40.0	-	3.1	2.0	2.0	2.1	-
Partitions and fixtures	254	39.6	39.3	40.0	40.3	-	2.2	2.0	2.1	2.3	-
Miscellaneous furniture and fixtures	259	39.4	37.6	37.1	38.4	-	2.5	1.6	1.5	1.9	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Total private		\$9.93	\$9.97	\$10.24	\$10.25	\$10.30	\$340.60	\$342.97	\$347.14	\$348.50	\$351.23
Mining		13.57	13.66	14.07	14.06	14.15	583.51	588.75	624.71	620.05	621.19
Metal mining	10	13.80	13.92	14.80	14.91	-	579.60	602.74	621.60	630.69	-
Iron ores	101	13.86	14.11	15.56	15.62	-	593.21	602.50	665.97	660.73	-
Copper ores	102	12.33	12.03	13.19	13.25	-	540.05	572.63	598.83	606.85	-
Coal mining	12	16.58	16.58	16.96	16.92	-	726.20	717.91	759.81	754.63	-
Bituminous coal and lignite mining	122	16.71	16.72	17.12	17.10	-	731.90	723.98	766.98	762.66	-
Oil and gas extraction	13	12.75	12.93	13.27	13.32	-	541.88	548.23	599.80	592.74	-
Crude petroleum and natural gas	131	16.01	16.34	16.76	16.70	-	667.62	696.08	705.60	694.72	-
Oil and gas field services	138	10.90	10.95	11.58	11.64	-	468.70	463.19	543.10	536.60	-
Nonmetallic minerals, except fuels	14	11.40	11.49	11.70	11.58	-	503.88	514.75	494.91	496.78	-
Crushed and broken stone	142	10.84	10.86	11.01	11.01	-	484.55	491.96	455.81	470.13	-
Construction		13.63	13.58	13.86	13.85	13.90	516.58	506.53	512.82	515.22	525.42
General building contractors	15	12.85	12.80	13.16	13.15	-	483.16	473.60	485.60	485.24	-
Residential building construction	152	12.27	12.15	12.26	12.25	-	453.99	444.69	436.46	433.65	-
Operative builders	153	12.79	12.67	13.85	13.76	-	489.86	473.86	505.53	498.11	-
Nonresidential building construction	154	13.43	13.46	13.95	13.95	-	514.37	503.40	531.50	535.68	-
Heavy construction, except building	16	13.09	13.14	13.44	13.35	-	541.93	533.48	537.60	531.33	-
Highway and street construction	161	12.31	12.59	12.62	12.43	-	493.63	517.45	488.39	484.77	-
Heavy construction, except highway	162	13.33	13.36	13.70	13.66	-	558.53	539.74	553.48	547.77	-
Special trade contractors	17	14.11	14.01	14.27	14.28	-	523.48	511.37	518.00	522.65	-
Plumbing, heating, and air conditioning	171	14.35	14.29	14.66	14.70	-	549.61	534.45	551.22	554.19	-
Painting and paper hanging	172	13.16	12.93	13.01	13.01	-	475.08	446.09	456.65	459.25	-
Electrical work	173	15.02	14.83	15.21	15.34	-	588.78	565.02	584.06	596.73	-
Masonry, stonework, and plastering	174	14.15	14.19	13.98	14.00	-	493.84	488.14	478.12	480.20	-
Carpentry and floor work	175	13.90	14.08	14.19	14.20	-	493.45	491.39	485.30	498.42	-
Roofing, siding, and sheet metal work	176	12.23	12.09	12.09	12.07	-	407.26	401.39	384.46	383.83	-
Manufacturing		10.75	10.75	11.03	11.07	11.12	437.53	427.85	440.10	443.91	445.91
Durable goods		11.25	11.22	11.55	11.60	11.65	465.75	452.17	466.62	469.80	471.83
Lumber and wood products	24	9.05	9.09	9.11	9.11	9.23	363.81	364.51	350.74	354.38	363.66
Logging	241	11.28	11.43	10.94	11.01	-	454.58	478.92	433.22	438.20	-
Sawmills and planing mills	242	9.20	9.24	9.26	9.27	-	378.12	379.76	369.47	370.80	-
Sawmills and planing mills, general	2421	9.57	9.60	9.58	9.58	-	397.16	401.28	387.03	388.95	-
Hardwood dimension and flooring mills	2426	7.51	7.49	7.71	7.75	-	298.15	289.11	292.21	290.63	-
Millwork, plywood, and structural members	243	9.02	9.04	9.11	9.13	-	360.80	359.79	340.71	347.85	-
Millwork	2431	9.21	9.26	9.38	9.45	-	361.03	358.36	345.18	343.98	-
Wood kitchen cabinets	2434	8.55	8.49	8.58	8.57	-	341.15	334.51	308.88	327.37	-
Hardwood veneer and plywood	2435	7.57	7.59	7.80	7.81	-	311.13	308.15	312.78	313.96	-
Softwood veneer and plywood	2436	10.33	10.46	10.26	10.23	-	440.06	459.19	410.40	423.52	-
Wood containers	244	6.65	6.64	6.60	6.61	-	262.01	256.30	256.74	260.43	-
Wood buildings and mobile homes	245	8.53	8.51	8.80	8.78	-	319.88	321.68	303.60	311.69	-
Mobile homes	2451	8.64	8.63	8.86	8.87	-	321.41	327.08	302.13	311.34	-
Miscellaneous wood products	249	8.16	8.16	8.39	8.41	-	329.66	321.50	331.41	329.67	-
Furniture and fixtures	25	8.43	8.42	8.66	8.69	8.71	328.77	319.96	320.42	329.35	333.59
Household furniture	251	7.83	7.79	8.02	8.07	-	303.80	293.68	292.73	302.63	-
Wood household furniture	2511	7.30	7.30	7.59	7.62	-	287.62	279.59	279.31	289.56	-
Upholstered household furniture	2512	8.60	8.51	8.72	8.79	-	321.64	309.76	306.07	314.68	-
Metal household furniture	2514	7.86	7.80	7.97	8.04	-	323.05	304.20	310.03	329.64	-
Mattresses and bedsprings	2515	8.27	8.18	8.28	8.36	-	325.01	319.02	316.30	323.53	-
Office furniture	252	9.48	9.58	9.46	9.48	-	362.14	359.25	335.83	338.44	-
Public building and related furniture	253	8.94	8.88	9.41	9.40	-	357.60	344.54	364.17	376.00	-
Partitions and fixtures	254	9.71	9.71	9.92	9.96	-	384.52	381.60	396.80	401.39	-
Miscellaneous furniture and fixtures	259	8.78	8.77	9.19	9.24	-	345.93	329.75	340.95	354.82	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Stone, clay, and glass products	32	41.5	41.8	40.6	40.7	41.3	4.7	4.6	3.8	3.9	-
Flat glass	321	43.3	45.0	40.9	40.9	-	5.8	5.3	2.9	2.7	-
Glass and glassware, pressed or blown	322	41.4	42.2	42.2	42.0	-	4.5	5.1	4.5	4.4	-
Glass containers	3221	41.8	42.6	42.7	42.5	-	5.3	5.9	5.4	5.5	-
Pressed and blown glass, nec	3229	41.0	41.8	41.6	41.4	-	3.6	4.2	3.5	3.3	-
Products of purchased glass	323	40.1	39.6	39.7	39.9	-	2.9	2.4	1.8	2.2	-
Cement, hydraulic	324	43.1	42.8	42.6	43.5	-	5.3	4.9	4.6	5.5	-
Structural clay products	325	40.5	40.7	39.8	40.0	-	3.4	3.4	2.4	2.5	-
Pottery and related products	326	39.4	38.9	38.7	39.2	-	2.5	2.2	2.3	2.4	-
Concrete, gypsum, and plaster products	327	42.0	42.8	40.3	40.5	-	5.9	5.8	4.4	4.5	-
Concrete block and brick	3271	44.3	44.7	40.1	40.3	-	7.1	7.0	3.8	4.6	-
Concrete products, nec	3272	42.6	42.1	41.2	41.4	-	5.5	4.9	4.3	4.3	-
Ready-mixed concrete	3273	40.3	42.3	38.9	38.9	-	5.4	6.0	4.3	4.3	-
Misc. nonmetallic mineral products	329	42.2	41.6	41.0	40.9	-	4.8	4.3	4.3	4.1	-
Abrasive products	3291	42.3	41.1	40.3	39.9	-	3.4	2.4	3.1	2.6	-
Asbestos products	3292	40.5	37.5	39.1	38.1	-	4.1	1.8	3.3	3.5	-
Primary metal industries	33	42.7	41.6	41.3	41.4	41.7	4.8	4.2	4.1	4.0	-
Blast furnaces and basic steel products	331	42.9	42.8	41.2	41.5	42.0	5.2	5.1	4.2	4.1	-
Blast furnaces and steel mills	3312	42.9	42.9	41.1	41.5	-	5.2	5.3	4.3	4.3	-
Steel pipe and tubes	3317	44.4	42.2	41.5	41.8	-	6.5	4.2	3.9	4.0	-
Iron and steel foundries	332	42.3	40.7	40.6	40.5	-	4.6	3.4	3.6	3.5	-
Gray and ductile iron foundries	3321	42.5	41.0	40.0	40.0	-	4.9	3.7	3.4	3.1	-
Malleable iron foundries	3322	40.5	40.9	41.7	40.7	-	3.4	3.7	4.4	4.0	-
Steel foundries, nec	3325	41.8	40.0	41.2	41.7	-	4.3	2.9	3.6	4.1	-
Primary nonferrous metals	333	44.2	44.3	43.5	43.8	-	4.9	4.8	5.0	5.1	-
Primary aluminum	3334	43.6	43.9	43.3	43.7	-	5.1	5.4	5.2	5.5	-
Nonferrous rolling and drawing	335	43.5	41.4	42.1	42.3	-	5.6	4.5	5.1	4.9	-
Copper rolling and drawing	3351	43.9	41.9	41.6	41.3	-	5.9	4.6	5.2	4.7	-
Aluminum sheet, plate, and foil	3353	44.4	42.7	44.2	45.5	-	7.5	7.9	7.3	7.9	-
Nonferrous wire drawing and insulating	3357	42.4	40.8	40.8	41.2	-	4.8	3.6	4.1	4.0	-
Nonferrous foundries (castings)	336	40.3	38.7	40.0	40.0	-	2.9	1.6	2.7	2.7	-
Aluminum foundries	3365	41.1	39.6	39.8	40.8	-	3.3	1.9	2.7	3.5	-
Fabricated metal products	34	41.5	40.0	40.4	40.3	40.5	3.6	2.6	2.9	3.0	-
Metal cans and shipping containers	341	43.6	43.3	42.7	42.9	-	5.1	4.8	4.8	4.9	-
Metal cans	3411	43.9	43.5	42.9	43.4	-	5.2	5.0	4.8	4.9	-
Cutlery, handtools, and hardware	342	41.2	39.8	39.8	39.5	-	3.1	2.1	2.1	2.1	-
Hand and edge tools, and blades and handsaws	3423,5	41.3	39.5	39.4	39.3	-	3.0	1.7	2.0	2.2	-
Hardware, nec	3429	40.5	39.3	39.3	38.9	-	2.7	1.9	1.8	1.7	-
Plumbing and heating, except electric	343	41.5	39.3	39.2	39.2	-	3.1	2.1	2.2	2.3	-
Plumbing fixture fittings and trim	3432	42.1	39.4	40.1	40.0	-	3.1	1.9	2.8	2.7	-
Heating equipment, except electric	3433	39.5	37.9	36.9	37.0	-	1.9	1.4	1.0	1.3	-
Fabricated structural metal products	344	40.8	39.8	39.8	39.9	-	3.4	2.6	2.6	2.7	-
Fabricated structural metal	3441	42.0	41.0	40.5	40.7	-	3.8	3.0	2.9	3.1	-
Metal doors, sash, and trim	3442	39.1	38.5	36.7	37.3	-	2.0	1.7	.9	1.0	-
Fabricated plate work (boiler shops)	3443	42.2	40.5	42.2	41.8	-	4.6	3.1	3.9	3.8	-
Sheet metal work	3444	40.3	39.3	39.8	39.9	-	2.9	2.3	2.5	2.6	-
Architectural metal work	3446	38.9	38.4	37.9	38.8	-	3.4	2.8	2.1	2.1	-
Screw machine products, bolts, etc	345	42.4	40.5	40.9	40.3	-	4.6	3.1	3.1	3.3	-
Screw machine products	3451	41.0	39.7	40.1	40.2	-	3.7	2.5	2.6	2.6	-
Bolts, nuts, rivets, and washers	3452	43.8	41.4	41.7	40.5	-	5.5	3.7	3.6	4.0	-
Metal forgings and stampings	346	42.2	39.7	40.8	40.6	-	3.9	2.3	2.8	2.8	-
Iron and steel forgings	3462	42.6	41.0	42.4	42.2	-	4.2	2.8	3.7	3.5	-
Automotive stampings	3465	43.0	39.5	40.4	40.0	-	4.3	2.3	2.4	2.4	-
Metal stampings, nec	3469	40.8	39.4	40.3	40.3	-	3.4	2.3	2.7	2.9	-
Metal services, nec	347	40.9	39.8	40.5	40.3	-	3.7	2.9	3.4	3.5	-
Plating and polishing	3471	40.3	39.4	39.7	39.5	-	3.2	2.4	2.7	2.6	-
Metal coating and allied services	3479	42.1	40.5	41.9	41.6	-	4.7	3.8	4.6	5.0	-
Ordnance and accessories, nec	348	41.4	40.8	41.5	41.2	-	3.2	2.7	4.2	4.5	-
Ammunition, except for small arms, nec	3483	40.3	40.0	41.5	40.5	-	2.6	2.1	3.6	3.3	-
Misc. fabricated metal products	349	41.5	39.8	40.6	40.6	-	3.5	2.3	2.9	3.1	-
Valves and pipe fittings, nec	3494	42.5	42.6	41.9	41.1	-	3.4	2.2	3.8	3.6	-
Misc. fabricated wire products	3496	40.4	39.2	39.5	39.7	-	3.2	2.1	2.4	2.6	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Stone, clay, and glass products	32	\$11.03	\$11.18	\$11.24	\$11.26	\$11.43	\$457.75	\$467.32	\$456.34	\$458.28	\$472.06
Flat glass	321	15.12	15.77	15.02	15.19	-	654.70	709.65	614.32	621.27	-
Glass and glassware, pressed or blown	322	12.12	12.49	12.57	12.63	-	501.77	527.08	530.45	530.46	-
Glass containers	3221	12.72	13.29	13.21	13.26	-	531.70	566.15	564.07	563.55	-
Pressed and blown glass, nec	3229	11.46	11.63	11.87	11.93	-	469.86	486.13	493.79	493.90	-
Products of purchased glass	323	9.52	9.71	9.72	9.80	-	381.75	384.52	385.88	391.02	-
Cement, hydraulic	324	13.97	14.36	14.02	14.23	-	602.11	614.61	597.25	619.01	-
Structural clay products	325	9.50	9.53	9.60	9.76	-	384.75	387.87	382.08	390.40	-
Pottery and related products	326	9.60	9.57	9.65	9.68	-	378.24	372.27	373.46	379.46	-
Concrete, gypsum, and plaster products	327	10.72	10.76	10.82	10.77	-	450.24	460.53	436.05	436.19	-
Concrete block and brick	3271	9.62	9.57	9.90	10.02	-	426.17	427.78	396.99	403.81	-
Concrete products, nec	3272	9.59	9.60	9.72	9.78	-	408.53	404.16	400.46	404.89	-
Ready-mixed concrete	3273	11.70	11.68	11.75	11.59	-	471.51	494.06	457.08	450.85	-
Misc. nonmetallic mineral products	329	11.56	11.72	11.62	11.62	-	487.83	487.55	476.42	475.26	-
Abrasive products	3291	10.42	10.35	10.29	10.16	-	440.77	425.39	414.69	405.38	-
Asbestos products	3292	10.94	10.75	11.16	11.22	-	443.07	403.13	436.36	427.48	-
Primary metal industries	33	12.71	12.86	13.00	13.16	13.27	542.72	534.98	536.90	544.82	553.36
Blast furnaces and basic steel products	331	14.56	14.84	14.97	15.19	15.36	624.62	635.15	616.76	630.39	645.12
Blast furnaces and steel mills	3312	15.35	15.66	15.78	16.04	-	658.52	671.81	648.56	665.66	-
Steel pipe and tubes	3317	11.75	11.60	12.09	12.13	-	521.70	489.52	501.74	507.03	-
Iron and steel foundries	332	11.48	11.46	11.33	11.63	-	485.60	466.42	460.00	471.02	-
Gray and ductile iron foundries	3321	11.96	11.93	11.63	12.06	-	508.30	489.13	465.20	482.40	-
Malleable iron foundries	3322	12.50	12.58	12.60	12.72	-	506.25	514.52	525.42	517.70	-
Steel foundries, nec	3325	10.90	10.70	10.95	11.05	-	455.62	428.00	451.14	460.79	-
Primary nonferrous metals	333	14.04	14.30	14.55	14.57	-	620.57	633.49	632.93	638.17	-
Primary aluminum	3334	14.37	14.77	14.69	14.82	-	626.53	648.40	636.08	647.63	-
Nonferrous rolling and drawing	335	12.13	12.20	12.52	12.59	-	527.66	505.08	527.09	532.56	-
Copper rolling and drawing	3351	11.47	11.39	11.61	11.76	-	503.53	477.24	482.98	485.69	-
Aluminum sheet, plate, and foil	3353	14.87	15.49	15.52	15.56	-	660.23	661.42	685.98	707.98	-
Nonferrous wire drawing and insulating	3357	12.02	11.97	12.20	12.20	-	509.65	488.38	497.76	502.64	-
Nonferrous foundries (castings)	336	10.15	10.01	10.44	10.51	-	409.05	387.39	417.60	420.40	-
Aluminum foundries	3365	9.67	9.59	10.12	10.24	-	397.44	379.76	402.78	417.79	-
Fabricated metal products	34	10.75	10.65	11.01	11.08	11.11	446.13	426.00	444.80	446.52	449.96
Metal cans and shipping containers	341	14.21	14.39	14.44	14.69	-	619.56	623.09	616.59	630.20	-
Metal cans	3411	15.05	15.31	15.28	15.55	-	660.70	665.99	655.51	674.87	-
Cutlery, handtools, and hardware	342	10.81	10.72	10.82	10.88	-	445.37	426.66	430.64	429.76	-
Hand and edge tools, and blades and handsaws	3423,5	9.97	9.88	10.14	10.11	-	411.76	390.26	399.52	397.32	-
Hardware, nec	3429	11.20	11.07	10.96	11.09	-	453.60	435.05	430.73	431.40	-
Plumbing and heating, except electric	343	9.64	9.48	9.88	9.90	-	400.06	372.56	387.30	388.08	-
Plumbing fixture fittings and trim	3432	9.22	9.04	9.53	9.44	-	388.16	356.18	382.15	377.60	-
Heating equipment, except electric	3433	9.57	9.39	9.72	9.88	-	378.02	355.88	358.67	365.56	-
Fabricated structural metal products	344	10.06	9.98	10.42	10.46	-	410.45	397.20	414.72	417.35	-
Fabricated structural metal	3441	10.29	10.22	10.32	10.42	-	432.18	419.02	417.96	424.09	-
Metal doors, sash, and trim	3442	8.50	8.41	8.72	8.67	-	332.35	323.79	320.02	323.39	-
Fabricated plate work (boiler shops)	3443	10.97	10.82	11.20	11.25	-	462.93	438.21	472.64	470.25	-
Sheet metal work	3444	10.22	10.23	10.78	10.86	-	411.87	402.04	429.04	433.31	-
Architectural metal work	3446	9.62	9.67	10.42	10.36	-	374.22	371.33	394.92	401.97	-
Screw machine products, bolts, etc	345	10.51	10.44	10.87	10.95	-	445.62	422.82	444.58	441.29	-
Screw machine products	3451	9.94	9.88	10.11	10.17	-	407.54	392.24	405.41	408.83	-
Bolts, nuts, rivets, and washers	3452	11.07	11.00	11.63	11.77	-	484.87	455.40	484.97	476.69	-
Metal forgings and stampings	346	12.68	12.53	12.79	12.88	-	535.10	497.44	521.83	522.93	-
Iron and steel forgings	3462	13.07	12.81	12.89	13.01	-	556.78	525.21	546.54	549.02	-
Automotive stampings	3465	14.34	14.25	14.53	14.65	-	616.62	562.88	587.01	586.00	-
Metal stampings, nec	3469	10.03	9.97	10.41	10.47	-	409.22	392.82	419.52	421.94	-
Metal services, nec	347	8.88	8.82	9.26	9.27	-	363.19	351.04	375.03	373.58	-
Plating and polishing	3471	8.76	8.73	9.14	9.15	-	353.03	343.96	362.86	361.43	-
Metal coating and allied services	3479	9.09	8.97	9.45	9.46	-	382.69	363.29	395.96	393.54	-
Ordnance and accessories, nec	348	11.80	11.88	12.45	12.40	-	488.52	484.70	516.68	510.88	-
Ammunition, except for small arms, nec	3483	11.48	11.64	12.32	12.15	-	462.64	465.60	511.28	492.08	-
Misc. fabricated metal products	349	10.06	9.86	10.39	10.44	-	417.49	392.43	421.83	423.86	-
Valves and pipe fittings, nec	3494	10.44	9.87	10.63	10.70	-	443.70	420.46	445.40	439.77	-
Misc. fabricated wire products	3496	8.76	8.62	8.95	9.00	-	353.90	337.90	353.53	357.30	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Industrial machinery and equipment	35	42.1	40.6	41.4	41.5	41.1	4.0	2.8	3.5	3.6	-
Engines and turbines	351	43.2	40.9	41.5	41.9	-	4.4	2.4	3.3	3.9	-
Turbines and turbine generator sets	3511	43.5	41.9	42.9	44.4	-	5.1	4.6	4.6	5.4	-
Internal combustion engines, nec	3519	43.1	40.5	40.9	40.8	-	4.1	1.6	2.8	3.2	-
Farm and garden machinery	352	42.4	40.5	40.6	40.3	-	4.7	2.8	2.9	2.9	-
Farm machinery and equipment	3523	41.9	40.6	40.2	40.0	-	4.4	2.9	3.2	3.3	-
Construction and related machinery	353	42.4	40.6	42.6	42.5	-	4.0	2.9	3.7	3.4	-
Construction machinery	3531	42.4	40.8	42.0	42.1	-	3.7	2.9	2.1	2.2	-
Mining machinery	3532	42.9	40.8	41.0	39.8	-	5.0	3.5	3.4	2.6	-
Oil and gas field machinery	3533	45.3	42.3	47.1	46.8	-	6.0	4.3	6.7	5.7	-
Conveyors and conveying equipment	3535	41.3	39.9	42.3	42.2	-	4.1	2.7	4.9	4.6	-
Industrial trucks and tractors	3537	39.6	38.7	39.1	39.0	-	1.7	1.4	1.7	1.8	-
Metalworking machinery	354	42.7	40.9	42.1	42.1	-	4.6	3.5	4.4	4.2	-
Machine tools, metal cutting types	3541	42.3	39.7	42.3	42.0	-	4.3	2.8	4.2	4.2	-
Machine tools, metal forming types	3542	43.0	41.0	41.0	42.0	-	5.3	3.4	3.2	3.5	-
Special dies, tools, jigs, and fixtures	3544	43.4	41.5	42.6	42.9	-	5.5	4.3	5.4	5.3	-
Machine tool accessories	3545	41.6	40.5	40.9	40.7	-	3.6	2.7	2.8	2.8	-
Power driven handtools	3546	41.8	40.3	42.1	40.9	-	3.0	1.7	3.0	2.3	-
Special industry machinery	355	42.5	40.5	41.3	41.7	-	4.3	2.9	3.5	3.7	-
Textile machinery	3552	42.8	41.6	41.3	41.4	-	3.9	2.6	3.0	2.8	-
Printing trades machinery	3555	38.9	37.1	37.8	38.1	-	4.2	2.6	3.2	3.6	-
Food products machinery	3556	41.7	40.7	42.0	42.0	-	3.8	2.9	4.1	4.1	-
General industrial machinery	356	41.6	39.9	41.3	41.2	-	3.8	2.4	3.6	3.4	-
Pumps and pumping equipment	3561	40.7	38.8	41.0	41.1	-	3.7	1.8	3.7	3.6	-
Ball and roller bearings	3562	42.2	40.3	41.3	40.8	-	4.6	2.7	4.0	3.2	-
Air and gas compressors	3563	43.5	42.2	44.0	44.5	-	4.6	3.3	5.0	5.3	-
Blowers and fans	3564	39.2	38.3	39.7	39.7	-	1.9	1.4	2.4	2.5	-
Speed changers, drives, and gears	3566	41.8	40.5	41.2	41.8	-	5.0	3.3	4.5	4.9	-
Power transmission equipment, nec	3568	43.0	39.7	40.7	40.8	-	4.4	2.8	3.6	3.3	-
Computer and office equipment	357	41.8	41.9	41.0	41.0	-	3.2	2.8	2.8	3.1	-
Electronic computers	3571	41.6	41.5	41.1	40.0	-	3.1	3.0	3.3	3.2	-
Computer terminals, calculators, and office machines, nec	3575,8,9	39.8	38.6	40.4	41.8	-	2.7	1.8	3.1	3.6	-
Refrigeration and service machinery	358	39.7	39.1	39.8	39.8	-	2.2	1.5	2.0	2.2	-
Refrigeration and heating equipment	3585	39.5	39.2	39.7	39.8	-	2.1	1.6	2.1	2.2	-
Misc. industrial and commercial machinery	359	42.5	40.9	41.7	42.1	-	4.4	3.3	4.2	4.5	-
Carburetors, pistons, rings, valves	3592	41.4	38.9	40.1	41.2	-	3.3	2.2	2.8	3.2	-
Scales, balances, and industrial machinery, nec	3596,9	42.5	41.1	41.9	42.2	-	4.5	3.5	4.4	4.7	-
Electronic and other electrical equipment	36	41.0	39.6	40.3	40.1	40.0	3.0	2.2	2.9	2.9	-
Electric distribution equipment	361	41.2	39.6	40.7	41.0	-	2.7	1.7	2.4	2.5	-
Transformers, except electronic	3612	41.8	40.8	40.9	40.8	-	3.2	2.3	2.7	2.7	-
Switchgear and switchboard apparatus	3613	40.6	38.4	40.4	41.2	-	2.2	1.1	2.1	2.3	-
Electrical industrial apparatus	362	41.4	39.9	41.7	41.8	-	3.2	2.2	2.9	2.9	-
Motors and generators	3621	41.1	39.6	41.3	41.4	-	3.4	2.3	2.9	2.9	-
Relays and industrial controls	3625	41.2	39.4	41.7	42.1	-	2.5	1.6	2.6	2.7	-
Household appliances	363	39.6	38.5	38.8	39.2	-	2.3	1.6	2.1	2.1	-
Household refrigerators and freezers	3632	38.6	37.9	38.3	38.8	-	2.5	2.3	1.8	1.6	-
Household laundry equipment	3633	40.4	39.1	40.2	39.8	-	1.7	1.0	2.1	1.5	-
Electric housewares and fans	3634	40.2	38.5	37.8	38.9	-	2.1	1.3	1.5	1.9	-
Electric lighting and wiring equipment	364	40.2	38.3	39.6	39.6	-	3.0	1.8	2.3	2.5	-
Electric lamps	3641	40.8	39.0	41.2	41.5	-	3.3	2.1	3.3	3.3	-
Current-carrying wiring devices	3643	40.1	38.6	39.5	39.4	-	3.0	2.0	2.3	2.5	-
Noncurrent-carrying wiring devices	3644	41.6	37.6	41.0	40.8	-	2.6	.9	2.1	2.1	-
Residential lighting fixtures	3645	39.2	37.2	37.0	37.8	-	2.4	1.5	1.1	1.6	-
Household audio and video equipment	365	40.6	38.2	38.1	36.1	-	2.9	2.3	2.2	2.2	-
Household audio and video equipment	3651	40.4	37.3	38.4	35.6	-	2.0	1.7	1.5	1.4	-
Communications equipment	366	43.4	41.6	41.7	41.7	-	2.6	2.0	3.9	3.8	-
Telephone and telegraph apparatus	3661	45.1	43.5	43.1	42.8	-	2.6	2.0	5.3	5.0	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Industrial machinery and equipment	35	\$11.64	\$11.55	\$12.06	\$12.13	\$12.11	\$490.04	\$468.93	\$499.28	\$503.40	\$497.72
Engines and turbines	351	14.41	14.21	14.94	15.09	-	622.51	581.19	620.01	632.27	-
Turbines and turbine generator sets	3511	14.62	14.60	15.20	15.32	-	635.97	611.74	652.08	680.21	-
Internal combustion engines, nec	3519	14.34	14.07	14.83	14.99	-	618.05	569.84	606.55	611.59	-
Farm and garden machinery	352	10.79	10.67	11.12	11.18	-	457.50	432.14	451.47	450.55	-
Farm machinery and equipment	3523	12.03	11.85	12.33	12.41	-	504.06	481.11	495.67	496.40	-
Construction and related machinery	353	11.76	11.71	12.25	12.33	-	498.62	475.43	521.85	524.03	-
Construction machinery	3531	13.15	13.18	14.20	14.37	-	557.56	537.74	596.40	604.98	-
Mining machinery	3532	11.76	11.69	12.15	12.04	-	504.50	476.95	498.15	479.19	-
Oil and gas field machinery	3533	11.22	11.11	11.33	11.40	-	508.27	469.95	533.64	533.52	-
Conveyors and conveying equipment	3535	10.53	10.40	11.16	11.15	-	434.89	414.96	472.07	470.53	-
Industrial trucks and tractors	3537	10.23	10.28	10.60	10.55	-	405.11	397.84	414.46	411.45	-
Metalworking machinery	354	12.10	12.06	12.58	12.59	-	516.67	493.25	529.62	530.04	-
Machine tools, metal cutting types	3541	12.04	12.02	12.61	12.61	-	509.29	477.19	533.40	529.62	-
Machine tools, metal forming types	3542	12.32	12.11	12.37	12.41	-	529.76	496.51	507.17	521.22	-
Special dies, tools, jigs, and fixtures	3544	12.77	12.72	13.20	13.19	-	554.22	527.88	562.32	565.85	-
Machine tool accessories	3545	10.74	10.74	11.13	11.21	-	446.78	434.97	455.22	456.25	-
Power driven handtools	3546	9.73	9.73	10.37	10.39	-	406.71	392.12	436.58	424.95	-
Special industry machinery	355	11.84	11.72	12.13	12.25	-	503.20	474.66	500.97	510.83	-
Textile machinery	3552	10.02	9.98	10.39	10.37	-	428.86	415.17	429.11	429.32	-
Printing trades machinery	3555	13.86	13.67	13.93	14.15	-	539.15	507.16	526.55	539.12	-
Food products machinery	3556	11.69	11.63	12.00	12.12	-	487.47	473.34	504.00	509.04	-
General industrial machinery	356	11.17	11.07	11.53	11.58	-	464.67	441.69	476.19	477.10	-
Pumps and pumping equipment	3561	11.66	11.41	12.15	12.23	-	474.56	442.71	498.15	502.65	-
Ball and roller bearings	3562	11.79	11.61	12.23	12.19	-	497.54	467.88	505.10	497.35	-
Air and gas compressors	3563	11.57	11.49	11.96	12.01	-	503.30	484.88	526.24	534.45	-
Blowers and fans	3564	9.90	9.75	10.12	10.15	-	388.08	373.43	401.76	402.96	-
Speed changers, drives, and gears	3566	11.61	11.40	12.15	12.20	-	485.30	461.70	500.58	509.96	-
Power transmission equipment, nec	3568	10.62	10.72	11.11	11.12	-	456.66	425.58	452.18	453.70	-
Computer and office equipment	357	11.31	11.35	12.16	12.29	-	472.76	475.57	498.56	503.89	-
Electronic computers	3571	11.84	11.95	12.68	12.74	-	492.54	495.93	521.15	509.60	-
Computer terminals, calculators, and office machines, nec	3575,8,9	10.82	10.77	11.76	12.22	-	430.64	415.72	475.10	510.80	-
Refrigeration and service machinery	358	10.82	10.77	11.09	11.11	-	429.55	421.11	441.38	442.18	-
Refrigeration and heating equipment	3585	10.94	10.89	11.27	11.24	-	432.13	426.89	447.42	447.35	-
Misc. industrial and commercial machinery	359	11.51	11.42	11.71	11.81	-	489.18	467.08	488.31	497.20	-
Carburetors, pistons, rings, valves	3592	12.82	12.59	12.09	12.15	-	530.75	489.75	484.81	500.58	-
Scales, balances, and industrial machinery, nec	3596,9	11.15	11.10	11.43	11.56	-	473.88	456.21	478.92	487.83	-
Electronic and other electrical equipment	36	10.17	10.17	10.59	10.56	10.60	416.97	402.73	426.78	423.46	424.00
Electric distribution equipment	361	9.99	9.98	10.47	10.60	-	411.59	395.21	426.13	434.60	-
Transformers, except electronic	3612	9.71	9.76	10.00	10.22	-	405.88	398.21	409.00	416.98	-
Switchgear and switchboard apparatus	3613	10.28	10.23	10.97	11.01	-	417.37	392.83	443.19	453.61	-
Electrical industrial apparatus	362	9.99	9.97	10.23	10.23	-	413.59	397.80	426.59	427.61	-
Motors and generators	3621	10.04	9.94	9.87	9.84	-	412.64	393.62	407.63	407.38	-
Relays and industrial controls	3625	9.94	10.02	10.81	10.87	-	409.53	394.79	450.78	457.63	-
Household appliances	363	10.19	10.16	10.39	10.31	-	403.52	391.16	403.13	404.15	-
Household refrigerators and freezers	3632	11.41	11.45	11.73	11.66	-	440.43	433.96	449.26	452.41	-
Household laundry equipment	3633	12.08	11.89	12.54	12.38	-	488.03	464.90	504.11	492.72	-
Electric housewares and fans	3634	7.62	7.58	7.76	7.74	-	306.32	291.83	293.33	301.09	-
Electric lighting and wiring equipment	364	10.07	10.05	10.28	10.25	-	404.81	384.92	407.09	405.90	-
Electric lamps	3641	11.42	11.45	11.62	11.68	-	465.94	446.55	478.74	484.72	-
Current-carrying wiring devices	3643	9.92	9.77	10.24	10.24	-	397.79	377.12	404.48	403.46	-
Noncurrent-carrying wiring devices	3644	9.46	9.40	9.59	9.62	-	393.54	353.44	393.19	392.50	-
Residential lighting fixtures	3645	7.35	7.58	7.71	7.72	-	288.12	281.98	285.27	291.82	-
Household audio and video equipment	365	9.49	9.41	10.53	10.03	-	385.29	359.46	401.19	362.08	-
Household audio and video equipment	3651	9.93	9.79	11.03	10.30	-	401.17	365.17	423.55	366.68	-
Communications equipment	366	10.92	10.88	11.53	11.57	-	473.93	452.61	480.80	482.47	-
Telephone and telegraph apparatus	3661	11.34	11.26	12.27	12.33	-	511.43	489.81	528.84	527.72	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Electronic and other electrical equipment—Continued											
Electric components and accessories	367	40.8	40.0	40.3	40.2	-	3.5	2.9	3.5	3.4	-
Electron tubes	3671	41.3	40.6	41.4	41.6	-	4.0	2.0	3.7	3.7	-
Semiconductors and related devices	3674	41.0	41.0	40.9	41.1	-	4.4	4.0	4.7	4.8	-
Electronic components, nec	3679	39.9	39.6	39.8	39.7	-	2.7	2.2	2.7	2.7	-
Misc. electrical equipment and supplies	369	40.6	39.3	39.9	39.1	-	2.8	2.1	2.3	2.3	-
Storage batteries	3691	39.8	37.5	39.1	38.3	-	2.0	.8	2.0	1.8	-
Engine electrical equipment	3694	40.8	39.6	39.5	38.3	-	3.3	2.4	2.0	2.1	-
Transportation equipment	37	42.3	40.8	40.7	40.9	41.1	4.1	2.9	2.8	2.9	-
Motor vehicles and equipment	371	42.7	40.9	40.3	40.4	41.2	4.1	2.6	2.4	2.5	-
Motor vehicles and car bodies	3711	42.5	41.1	41.2	41.0	-	3.7	2.5	2.9	3.1	-
Truck and bus bodies	3713	40.7	39.9	40.7	41.1	-	3.5	2.2	2.6	2.9	-
Motor vehicle parts and accessories	3714	43.3	41.2	39.9	40.0	-	4.6	2.8	2.1	2.0	-
Truck trailers	3715	40.2	38.9	40.9	39.7	-	2.7	2.0	2.4	2.1	-
Aircraft and parts	372	42.8	41.4	41.6	41.9	-	4.8	3.8	3.7	3.9	-
Aircraft	3721	42.7	41.8	41.1	41.5	-	4.7	4.2	3.8	4.0	-
Aircraft engines and engine parts	3724	42.8	40.9	41.9	42.2	-	5.0	3.3	3.9	4.1	-
Aircraft parts and equipment, nec	3728	42.8	41.2	42.0	42.3	-	4.7	3.6	3.4	3.5	-
Ship and boat building and repairing	373	40.4	39.5	39.8	40.5	-	3.1	2.4	2.3	2.7	-
Ship building and repairing	3731	41.0	39.8	40.9	41.6	-	3.4	2.5	2.5	3.0	-
Boat building and repairing	3732	39.3	38.9	37.1	37.9	-	2.6	2.3	1.9	2.0	-
Railroad equipment	374	41.8	39.7	41.9	41.3	-	3.2	2.0	2.3	2.3	-
Guided missiles, space vehicles, and parts	376	42.4	41.4	43.1	42.5	-	4.0	3.3	3.7	3.7	-
Guided missiles and space vehicles	3761	42.3	41.2	43.7	42.7	-	4.1	3.5	4.2	4.1	-
Misc. transportation equipment	379	39.7	39.1	37.6	38.5	-	2.6	1.8	1.4	1.8	-
Travel trailers and campers	3792	38.6	37.7	34.9	37.0	-	1.5	1.1	.6	1.0	-
Instruments and related products	38	41.2	40.3	41.0	40.9	40.8	2.8	2.1	2.9	3.0	-
Search and navigation equipment	381	41.1	40.2	41.1	40.5	-	2.4	1.9	2.4	2.5	-
Measuring and controlling devices	382	41.4	40.7	40.9	40.9	-	2.7	2.1	2.5	2.5	-
Environmental controls	3822	40.6	39.3	39.6	39.5	-	2.1	1.6	2.1	2.1	-
Process control instruments	3823	43.0	41.3	41.8	41.5	-	3.9	3.0	3.3	3.1	-
Instruments to measure electricity	3825	40.3	40.7	40.5	40.6	-	2.2	1.6	1.9	2.0	-
Medical instruments and supplies	384	41.3	40.2	41.0	40.8	-	3.1	2.1	3.6	3.6	-
Surgical and medical instruments	3841	41.1	40.5	41.0	40.5	-	3.3	2.3	4.0	4.0	-
Surgical appliances and supplies	3842	41.1	39.4	40.8	40.7	-	2.6	1.6	3.2	3.2	-
Ophthalmic goods	385	39.7	38.8	39.3	39.9	-	2.6	1.8	1.6	2.0	-
Photographic equipment and supplies	386	41.2	41.3	42.5	43.0	-	3.1	2.6	4.0	4.5	-
Watches, clocks, watchcases, and parts	387	39.0	36.3	38.3	38.7	-	1.8	1.1	.9	1.0	-
Miscellaneous manufacturing industries	39	39.4	38.2	39.0	39.3	39.3	2.5	1.7	1.9	2.3	-
Jewelry, silverware, and plated ware	391	38.0	37.4	37.3	38.2	-	1.4	1.1	1.1	1.6	-
Jewelry, precious metal	3911	37.5	37.2	36.8	37.8	-	1.2	1.1	1.0	1.7	-
Musical instruments	393	40.0	37.8	38.8	38.8	-	2.3	1.6	1.8	2.0	-
Toys and sporting goods	394	39.8	38.4	39.6	39.9	-	2.7	1.7	2.3	2.8	-
Dolls, games, toys, and children's vehicles	3942, 4	38.5	36.9	39.5	39.7	-	2.0	1.1	2.5	2.9	-
Sporting and athletic goods, nec	3949	40.6	39.5	39.6	40.0	-	3.1	2.1	2.2	2.8	-
Pens, pencils, office, and art supplies	395	40.3	39.2	40.3	40.6	-	2.3	1.7	1.9	2.1	-
Costume jewelry and notions	396	39.5	37.8	38.7	39.3	-	2.6	2.0	1.2	2.1	-
Costume jewelry	3961	39.2	37.6	38.7	39.5	-	2.7	2.2	1.4	2.6	-
Miscellaneous manufactures	399	39.2	38.1	39.0	39.1	-	2.7	1.8	2.2	2.3	-
Signs and advertising specialties	3993	40.0	39.4	38.7	39.3	-	3.0	2.4	2.2	2.3	-
Nondurable goods		39.8	39.2	39.4	39.6	39.5	3.4	2.9	3.1	3.2	3.2
Food and kindred products	20	40.1	39.8	39.7	39.9	39.9	3.9	3.7	3.7	3.8	-
Meat products	201	39.1	38.9	38.4	38.8	-	3.6	3.2	3.1	3.3	-
Meat packing plants	2011	40.2	40.6	39.3	39.9	-	4.2	3.9	3.4	4.0	-
Sausages and other prepared meats	2013	40.9	40.5	40.3	41.3	-	4.5	4.4	4.1	4.5	-
Poultry slaughtering and processing	2015	37.8	37.2	37.2	37.1	-	2.8	2.3	2.5	2.3	-
Dairy products	202	41.2	41.4	40.4	41.0	-	4.4	4.5	4.0	4.3	-
Cheese, natural and processed	2022	39.5	39.9	38.5	39.4	-	3.5	3.7	3.2	3.5	-
Fluid milk	2026	41.7	42.3	40.6	41.3	-	4.7	5.2	4.1	4.6	-
Preserved fruits and vegetables	203	39.8	39.4	40.0	39.8	-	3.3	3.2	3.3	3.1	-
Canned specialties	2032	41.0	40.5	42.8	41.7	-	3.3	2.3	5.6	5.5	-
Canned fruits and vegetables	2033	39.1	38.4	39.4	39.4	-	3.1	2.7	2.8	2.7	-
Frozen fruits and vegetables	2037	39.0	38.2	38.5	38.7	-	3.2	3.5	2.9	3.0	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Durable goods—Continued											
Electronic and other electrical equipment—Continued											
Electronic components and accessories	367	\$9.84	\$9.89	\$10.31	\$10.29	-	\$401.47	\$395.60	\$415.49	\$413.66	-
Electron tubes	3671	11.87	11.94	12.09	11.91	-	490.23	484.76	500.53	495.46	-
Semiconductors and related devices	3674	12.00	11.99	12.53	12.43	-	492.00	491.59	512.48	510.87	-
Electronic components, nec	3679	9.29	9.38	9.53	9.52	-	370.67	371.45	379.29	377.94	-
Misc. electrical equipment and supplies	369	11.02	11.04	11.39	11.37	-	447.41	433.87	454.46	444.57	-
Storage batteries	3691	11.89	11.82	12.61	12.46	-	473.22	443.25	493.05	477.22	-
Engine electrical equipment	3694	11.87	11.89	11.92	11.95	-	484.30	470.84	470.84	457.69	-
Transportation equipment	37	14.02	13.89	14.34	14.44	\$14.53	593.05	566.71	583.64	590.60	\$597.18
Motor vehicles and equipment	371	14.59	14.41	14.74	14.89	15.04	622.99	589.37	594.02	601.56	619.65
Motor vehicles and car bodies	3711	16.95	16.84	17.93	18.19	-	720.38	692.12	738.72	745.79	-
Truck and bus bodies	3713	12.69	12.37	12.43	11.98	-	516.48	493.56	505.90	492.38	-
Motor vehicle parts and accessories	3714	13.55	13.30	13.31	13.39	-	586.72	547.96	531.07	535.60	-
Truck trailers	3715	9.56	9.46	9.57	9.75	-	384.31	367.99	391.41	387.08	-
Aircraft and parts	372	14.68	14.61	15.23	15.31	-	628.30	604.85	633.57	641.49	-
Aircraft	3721	(¹)	(¹)	(¹)	(¹)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$14.69	\$14.51	\$15.01	\$15.17	-	\$628.73	\$593.46	\$628.92	\$640.17	-
Aircraft parts and equipment, nec	3728	13.35	13.18	13.76	13.88	-	571.38	543.02	577.92	587.12	-
Ship and boat building and repairing	373	10.75	10.59	11.24	11.31	-	434.30	418.31	447.35	458.06	-
Ship building and repairing	3731	11.89	11.66	11.93	12.06	-	487.49	464.07	487.94	501.70	-
Boat building and repairing	3732	8.72	8.72	9.42	9.39	-	342.70	339.21	349.48	355.88	-
Railroad equipment	374	13.06	13.16	14.14	13.86	-	545.91	522.45	592.47	572.42	-
Guided missiles, space vehicles, and parts	376	14.16	14.12	14.69	14.66	-	600.38	584.57	633.14	623.05	-
Guided missiles and space vehicles	3761	(¹)	(¹)	(¹)	(¹)	-	-	-	-	-	-
Misc. transportation equipment	379	\$10.85	\$10.76	\$11.14	\$11.03	-	\$430.75	\$420.72	\$418.86	\$424.66	-
Travel trailers and campers	3792	9.39	9.52	9.43	9.24	-	362.45	358.90	329.11	341.88	-
Instruments and related products	38	11.19	11.20	11.66	11.69	\$11.63	461.03	451.36	478.06	478.12	\$474.50
Search and navigation equipment	381	14.41	14.51	15.07	15.11	-	592.25	583.30	619.38	611.96	-
Measuring and controlling devices	382	10.55	10.60	11.06	11.10	-	436.77	431.42	452.35	453.99	-
Environmental controls	3822	9.25	9.23	9.68	9.68	-	375.55	362.74	383.33	382.36	-
Process control instruments	3823	10.06	10.24	10.86	10.83	-	432.58	422.91	453.95	449.45	-
Instruments to measure electricity	3825	10.72	10.77	11.26	11.32	-	432.02	438.34	456.03	459.59	-
Medical instruments and supplies	384	9.71	9.63	10.22	10.28	-	401.02	387.13	419.02	419.42	-
Surgical and medical instruments	3841	9.71	9.65	10.29	10.37	-	399.08	390.83	421.89	419.99	-
Surgical appliances and supplies	3842	9.43	9.31	9.93	9.95	-	387.57	366.81	405.14	404.97	-
Ophthalmic goods	385	8.16	8.08	8.46	8.44	-	323.95	313.50	332.48	336.76	-
Photographic equipment and supplies	386	13.95	14.06	14.32	14.46	-	574.74	580.68	608.60	621.78	-
Watches, clocks, watchcases, and parts	387	7.62	7.67	7.90	7.95	-	297.18	278.42	302.57	307.67	-
Miscellaneous manufacturing industries	39	8.59	8.56	8.70	8.75	8.76	338.45	326.99	339.30	343.88	344.27
Jewelry, silverware, and plated ware	391	9.23	9.22	9.23	9.24	-	350.74	344.83	344.28	352.97	-
Jewelry, precious metal	3911	9.20	9.17	9.18	9.17	-	345.00	341.12	337.82	346.63	-
Musical instruments	393	8.49	8.50	8.84	8.96	-	339.60	321.30	342.99	347.65	-
Toys and sporting goods	394	7.93	7.89	8.15	8.23	-	315.61	302.98	322.74	328.38	-
Dolls, games, toys, and children's vehicles	3942,4	7.89	7.76	8.09	8.07	-	303.77	286.34	319.56	320.38	-
Sporting and athletic goods, nec	3949	7.95	7.97	8.19	8.35	-	322.77	314.82	324.32	334.00	-
Pens, pencils, office, and art supplies	395	8.88	8.79	9.05	9.07	-	357.86	344.57	364.72	368.24	-
Costume jewelry and notions	396	7.45	7.47	7.28	7.48	-	294.28	282.37	281.74	293.96	-
Costume jewelry	3961	6.72	6.67	6.35	6.58	-	263.42	250.79	245.75	259.91	-
Miscellaneous manufactures	399	9.16	9.11	9.23	9.24	-	359.07	347.09	359.97	361.28	-
Signs and advertising specialties	3993	9.78	9.73	10.02	9.85	-	391.20	383.36	387.77	387.11	-
Nondurable goods		10.04	10.10	10.33	10.37	10.40	399.59	395.92	407.00	410.65	410.80
Food and kindred products	20	9.61	9.61	9.77	9.84	9.85	385.36	382.48	387.87	392.62	393.02
Meat products	201	7.91	7.92	7.95	7.99	-	309.28	308.09	305.28	310.01	-
Meat packing plants	2011	8.68	8.63	8.68	8.73	-	348.94	350.38	341.12	348.33	-
Sausages and other prepared meats	2013	9.33	9.38	9.32	9.37	-	381.60	379.89	375.60	386.98	-
Poultry slaughtering and processing	2015	6.80	6.82	6.89	6.90	-	257.04	253.70	256.31	255.99	-
Dairy products	202	10.44	10.41	10.65	10.71	-	430.13	430.97	430.26	439.11	-
Cheese, natural and processed	2022	9.64	9.61	9.65	9.74	-	380.78	383.44	371.53	383.76	-
Fluid milk	2026	10.86	10.93	11.16	11.24	-	452.86	462.34	453.10	464.21	-
Preserved fruits and vegetables	203	9.07	8.97	9.35	9.44	-	360.99	353.42	374.00	375.71	-
Canned specialties	2032	10.92	10.77	12.19	12.36	-	447.72	436.19	521.73	515.41	-
Canned fruits and vegetables	2033	9.44	9.29	9.59	9.71	-	369.10	356.74	377.85	382.57	-
Frozen fruits and vegetables	2037	8.21	8.13	8.42	8.56	-	320.19	310.57	324.17	331.27	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Grain mill products	204	43.7	42.3	44.2	44.0	-	5.1	4.6	6.2	6.1	-
Flour and other grain mill products	2041	46.6	44.8	46.5	47.4	-	6.2	4.6	6.4	6.9	-
Prepared feeds, nec	2048	41.5	40.9	41.9	42.5	-	4.3	4.3	5.0	5.5	-
Bakery products	205	39.7	39.4	38.9	38.8	-	3.9	3.7	3.6	3.4	-
Bread, cake, and related products	2051	39.3	39.9	38.5	38.6	-	4.0	4.4	3.8	3.7	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	40.6	38.5	39.7	39.2	-	3.7	2.3	3.2	2.9	-
Sugar and confectionery products	206	39.3	39.2	39.3	39.7	-	3.0	2.4	3.1	3.0	-
Raw cane sugar	2061	38.7	39.6	51.2	49.2	-	3.0	2.6	10.9	10.4	-
Cane sugar refining	2062	47.0	46.9	44.7	45.5	-	9.1	8.6	7.3	8.5	-
Beet sugar	2063	38.2	38.4	43.0	38.9	-	2.7	3.3	3.2	2.2	-
Candy and other confectionery products	2064	38.1	38.1	36.3	37.8	-	2.2	1.6	2.1	1.9	-
Fats and oils	207	42.7	43.4	43.9	44.0	-	4.8	5.2	5.7	5.3	-
Beverages	208	41.0	41.2	40.6	41.8	-	4.3	4.8	4.0	4.6	-
Malt beverages	2082	43.2	43.4	42.1	44.1	-	6.9	8.3	6.1	6.8	-
Bottled and canned soft drinks	2086	40.3	40.3	40.2	41.0	-	3.6	3.5	3.5	4.0	-
Misc. food and kindred products	209	39.3	38.8	39.0	39.4	-	4.3	4.1	4.0	4.1	-
Tobacco products	21	38.8	38.1	38.4	39.0	38.2	2.1	1.8	2.2	1.9	-
Cigarettes	211	39.1	38.3	37.9	39.3	-	2.3	1.8	1.9	2.0	-
Textile mill products	22	39.8	39.0	38.8	39.2	39.4	3.5	2.6	3.0	3.2	-
Broadwoven fabric mills, cotton	221	40.0	39.1	39.2	39.2	-	4.1	3.6	4.0	3.6	-
Broadwoven fabric mills, synthetics	222	40.7	39.9	39.0	39.2	-	3.6	2.8	2.9	3.1	-
Broadwoven fabric mills, wool	223	40.2	37.6	40.3	39.8	-	3.2	.8	3.5	3.2	-
Narrow fabric mills	224	40.4	40.1	39.5	39.6	-	2.4	2.2	2.7	2.7	-
Knitting mills	225	38.2	37.3	37.3	37.6	-	2.7	2.1	2.2	2.4	-
Women's hosiery, except socks	2251	37.8	37.0	37.8	38.1	-	2.5	2.0	2.3	2.2	-
Hosiery, nec	2252	36.4	35.1	37.6	37.6	-	1.6	1.1	1.8	1.7	-
Knit outerwear mills	2253	37.6	37.4	35.6	35.7	-	3.1	2.5	2.0	2.2	-
Knit underwear mills	2254	38.8	37.0	36.3	35.7	-	1.9	.9	1.5	1.5	-
Weft knit fabric mills	2257	40.3	39.3	38.5	40.2	-	3.7	3.2	2.6	3.6	-
Textile finishing, except wool	226	41.8	40.4	42.1	42.4	-	4.9	3.2	5.2	5.8	-
Finishing plants, cotton	2261	41.6	40.4	41.8	41.4	-	4.7	3.1	4.7	5.5	-
Finishing plants, synthetics	2262	42.3	40.4	43.6	43.7	-	5.2	3.2	6.3	6.5	-
Carpets and rugs	227	42.0	41.2	39.2	41.4	-	4.6	2.9	3.0	4.0	-
Yarn and thread mills	228	39.2	38.7	37.9	38.2	-	3.3	2.5	2.7	2.9	-
Yarn spinning mills	2281	39.6	39.1	38.3	38.8	-	3.6	2.7	2.8	3.0	-
Throwing and winding mills	2282	36.6	37.8	34.3	33.7	-	2.0	2.2	2.2	2.1	-
Miscellaneous textile goods	229	41.1	40.3	40.6	40.9	-	3.6	3.1	3.1	2.9	-
Apparel and other textile products	23	36.2	35.2	36.3	36.3	36.2	1.5	1.0	1.5	1.5	-
Men's and boys' suits and coats	231	34.7	34.2	36.5	36.0	-	.7	.6	1.1	1.0	-
Men's and boys' furnishings	232	35.8	34.9	35.9	36.0	-	1.1	.8	1.3	1.5	-
Men's and boys' shirts	2321	35.9	35.1	35.8	36.3	-	1.2	.5	1.3	1.6	-
Men's and boys' trousers and slacks	2325	34.7	33.2	35.7	35.8	-	1.0	.7	1.4	1.5	-
Men's and boys' work clothing	2326	36.3	35.1	35.4	34.9	-	1.0	.8	1.0	1.1	-
Women's and misses' outerwear	233	35.0	33.8	35.5	35.5	-	1.5	1.1	1.6	1.5	-
Women's and misses' blouses and shirts	2331	35.3	33.9	35.8	35.6	-	1.2	.7	1.0	1.1	-
Women's, juniors', and misses' dresses	2335	34.0	32.1	34.8	34.5	-	1.4	1.0	1.6	1.5	-
Women's and misses' suits and coats	2337	34.9	34.0	34.9	34.6	-	1.0	.8	1.4	1.0	-
Women's and misses' outerwear, nec	2339	35.4	34.3	35.9	36.0	-	1.8	1.2	1.7	1.7	-
Women's and children's undergarments	234	36.9	36.4	37.4	37.9	-	1.4	.8	1.3	1.7	-
Women's and children's underwear	2341	37.2	36.8	37.5	38.1	-	1.4	.8	1.3	1.8	-
Brassieres, girdles, and allied garments	2342	35.7	34.2	36.7	36.9	-	1.4	1.0	1.6	1.2	-
Girls' and children's outerwear	236	36.1	35.1	36.8	36.3	-	1.5	.9	1.7	1.5	-
Girls' and children's dresses and blouses	2361	35.4	34.5	36.1	35.0	-	1.9	.9	1.5	1.6	-
Misc. apparel and accessories	238	36.9	36.3	36.3	36.4	-	1.1	1.0	1.0	1.1	-
Misc. fabricated textile products	239	38.4	37.4	37.6	37.6	-	2.3	1.5	1.8	1.8	-
Curtains and draperies	2391	36.6	36.2	35.3	35.7	-	1.5	1.3	.9	1.1	-
House furnishings, nec	2392	37.7	36.8	36.6	36.5	-	1.5	1.1	1.5	1.4	-
Automotive and apparel trimmings	2396	40.7	39.1	39.0	39.3	-	3.8	2.2	2.2	2.2	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Grain mill products	204	\$11.32	\$11.28	\$11.65	\$11.68	-	\$494.68	\$477.14	\$514.93	\$513.92	-
Flour and other grain mill products	2041	10.62	10.31	10.51	10.69	-	494.89	461.89	488.72	506.71	-
Prepared feeds, nec	2048	8.92	9.05	9.32	9.36	-	370.18	370.15	390.51	397.80	-
Bakery products	205	10.74	10.71	11.00	11.07	-	426.38	421.97	427.90	429.52	-
Bread, cake, and related products	2051	10.73	10.76	11.04	11.05	-	421.69	429.32	425.04	426.53	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	10.75	10.61	10.93	11.10	-	436.45	408.49	433.92	435.12	-
Sugar and confectionery products	206	10.33	10.39	10.39	10.63	-	405.97	407.29	408.33	422.01	-
Raw cane sugar	2061	10.07	10.08	10.31	10.69	-	389.71	399.17	527.87	525.95	-
Cane sugar refining	2062	14.29	14.02	14.20	14.89	-	671.63	657.54	634.74	677.50	-
Beet sugar	2063	10.86	11.50	10.20	10.64	-	414.85	441.60	438.60	413.90	-
Candy and other confectionery products	2064	9.26	9.23	9.46	9.66	-	352.81	351.66	343.40	365.15	-
Fats and oils	207	9.94	10.02	10.15	10.22	-	424.44	434.87	445.59	449.68	-
Beverages	208	13.50	13.66	13.66	13.77	-	553.50	562.79	554.60	575.59	-
Malt beverages	2082	18.81	19.05	18.67	18.73	-	812.59	826.77	786.01	825.99	-
Bottled and canned soft drinks	2086	10.59	10.63	11.20	11.21	-	426.78	428.39	450.24	459.61	-
Misc. food and kindred products	209	8.93	8.99	9.15	9.14	-	350.95	348.81	356.85	360.12	-
Tobacco products	21	16.46	17.09	16.32	17.64	\$17.70	638.65	651.13	626.69	687.96	\$676.14
Cigarettes	211	19.29	19.13	20.15	20.29	-	754.24	732.68	763.69	797.40	-
Textile mill products	22	7.94	7.91	8.13	8.16	8.18	316.01	308.49	315.44	319.87	322.29
Broadwoven fabric mills, cotton	221	8.23	8.17	8.41	8.39	-	329.20	319.45	329.67	328.89	-
Broadwoven fabric mills, synthetics	222	8.50	8.56	8.76	8.76	-	345.95	341.54	341.64	343.39	-
Broadwoven fabric mills, wool	223	8.53	8.42	8.63	8.68	-	342.91	316.59	347.79	345.46	-
Narrow fabric mills	224	7.27	7.33	7.71	7.65	-	293.71	293.93	304.55	302.94	-
Knitting mills	225	7.28	7.29	7.46	7.47	-	278.10	271.92	278.26	280.87	-
Women's hosiery, except socks	2251	6.80	6.74	6.98	7.05	-	257.04	249.38	263.84	268.61	-
Hosiery, nec	2252	6.89	6.98	7.16	7.16	-	250.80	245.00	269.22	269.22	-
Knit outerwear mills	2253	7.15	7.18	7.38	7.31	-	268.84	268.53	262.73	260.97	-
Knit underwear mills	2254	7.41	7.36	7.40	7.41	-	287.51	272.32	268.62	264.54	-
Weft knit fabric mills	2257	8.00	8.06	8.15	8.24	-	322.40	316.76	313.78	331.25	-
Textile finishing, except wool	226	8.35	8.27	8.66	8.69	-	349.03	334.11	364.59	368.46	-
Finishing plants, cotton	2261	8.27	8.18	8.54	8.58	-	344.03	330.47	356.97	355.21	-
Finishing plants, synthetics	2262	8.71	8.62	9.06	9.05	-	368.43	348.25	395.02	395.49	-
Carpets and rugs	227	8.29	8.17	8.15	8.31	-	348.18	336.60	319.48	344.03	-
Yarn and thread mills	228	7.62	7.58	7.80	7.87	-	298.70	293.35	295.62	300.63	-
Yarn spinning mills	2281	7.62	7.57	7.78	7.87	-	301.75	295.99	297.97	305.36	-
Throwing and winding mills	2282	7.75	7.82	8.05	8.03	-	283.65	295.60	276.12	270.61	-
Miscellaneous textile goods	229	8.95	8.95	9.28	9.25	-	367.85	360.69	376.77	378.33	-
Apparel and other textile products	23	6.53	6.56	6.62	6.65	6.72	236.39	230.91	240.31	241.40	243.26
Men's and boys' suits and coats	231	7.39	7.37	7.33	7.40	-	256.43	252.05	267.55	266.40	-
Men's and boys' furnishings	232	5.97	6.10	6.12	6.15	-	213.73	212.89	219.71	221.40	-
Men's and boys' shirts	2321	5.91	6.02	6.08	6.09	-	212.17	211.30	217.66	221.07	-
Men's and boys' trousers and slacks	2325	5.83	6.03	5.98	6.01	-	202.30	200.20	213.49	215.16	-
Men's and boys' work clothing	2326	5.73	5.90	5.95	5.99	-	208.00	207.09	210.63	209.05	-
Women's and misses' outerwear	233	6.17	6.20	6.40	6.37	-	215.95	209.56	227.20	226.14	-
Women's and misses' blouses and shirts	2331	5.50	5.52	5.69	5.75	-	194.15	187.13	203.70	204.70	-
Women's, juniors', and misses' dresses	2335	6.54	6.55	6.77	6.75	-	222.36	210.26	235.60	232.88	-
Women's and misses' suits and coats	2337	6.59	6.77	7.08	6.85	-	229.99	230.18	247.09	237.01	-
Women's and misses' outerwear, nec	2339	6.10	6.11	6.30	6.27	-	215.94	209.57	226.17	225.72	-
Women's and children's undergarments	234	6.15	6.20	6.34	6.40	-	226.94	225.68	237.12	242.56	-
Women's and children's underwear	2341	5.98	6.05	6.20	6.27	-	222.46	222.64	232.50	238.89	-
Brassieres, girdles, and allied garments	2342	7.02	7.00	7.09	7.12	-	250.61	239.40	260.20	262.73	-
Girls' and children's outerwear	236	5.82	5.84	5.97	6.08	-	210.10	204.98	219.70	220.70	-
Girls' and children's dresses and blouses	2361	5.78	5.77	5.80	5.92	-	204.61	199.07	209.38	207.20	-
Misc. apparel and accessories	238	6.34	6.39	6.50	6.48	-	233.95	231.96	235.95	235.87	-
Misc. fabricated textile products	239	7.91	7.84	7.77	7.86	-	303.74	293.22	292.15	295.54	-
Curtains and draperies	2391	6.45	6.47	6.67	6.75	-	236.07	234.21	235.45	240.98	-
House furnishings, nec	2392	6.56	6.55	6.84	6.84	-	247.31	241.04	250.34	249.66	-
Automotive and apparel trimmings	2396	11.58	11.35	10.49	10.81	-	471.31	443.79	409.11	424.83	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods—Continued											
Paper and allied products	26	42.9	42.5	42.6	42.8	42.7	4.4	4.3	4.3	4.3	-
Paper mills	262	44.9	45.8	45.0	45.2	-	4.8	6.0	5.4	5.3	-
Paperboard mills	263	44.5	45.3	45.2	44.9	-	6.8	7.9	6.8	6.3	-
Paperboard containers and boxes	265	42.1	40.7	41.4	41.8	-	3.9	3.1	3.5	3.7	-
Corrugated and solid fiber boxes	2653	42.4	41.0	41.5	41.9	-	4.1	3.5	3.6	3.9	-
Sanitary food containers	2656	44.3	41.2	41.5	42.7	-	4.1	2.5	3.3	4.4	-
Folding paperboard boxes	2657	41.7	40.1	41.9	42.0	-	4.1	2.8	3.8	3.8	-
Misc. converted paper products	267	41.9	40.8	41.3	41.5	-	3.8	3.0	3.5	3.6	-
Paper, coated and laminated, nec	2672	43.9	42.3	42.2	42.3	-	4.5	3.3	3.2	3.3	-
Bags: plastics, laminated, and coated	2673	41.5	40.9	41.5	41.1	-	4.5	4.4	4.4	4.4	-
Envelopes	2677	41.9	40.6	40.3	40.7	-	3.6	2.7	2.7	2.5	-
Printing and publishing	27	38.1	37.4	37.4	37.7	37.5	3.0	2.5	2.4	2.7	-
Newspapers	271	32.9	32.7	32.5	32.7	-	1.2	1.2	.8	1.0	-
Periodicals	272	38.0	37.5	38.1	37.2	-	3.1	2.8	2.6	2.3	-
Books	273	39.3	37.9	38.7	39.9	-	3.4	2.6	2.8	3.3	-
Book publishing	2731	39.8	38.5	39.1	39.9	-	3.1	2.4	2.3	2.5	-
Book printing	2732	38.6	37.1	38.3	40.0	-	3.7	2.8	3.4	4.4	-
Miscellaneous publishing	274	37.1	36.4	36.5	36.6	-	1.9	1.8	2.0	2.0	-
Commercial printing	275	39.7	38.8	38.8	39.1	-	3.7	3.0	3.0	3.2	-
Commercial printing, lithographic	2752	39.3	38.6	38.6	39.2	-	3.8	3.2	3.1	3.3	-
Commercial printing, nec	2759	40.0	39.2	38.8	39.1	-	3.4	2.6	2.7	3.0	-
Manifold business forms	276	41.5	40.5	40.9	41.2	-	3.0	2.2	3.2	3.4	-
Blankbooks and bookbinding	278	37.4	36.8	37.0	38.2	-	2.5	2.3	1.6	2.4	-
Printing trade services	279	39.4	38.7	38.8	39.1	-	4.2	3.6	3.7	3.8	-
Chemicals and allied products	28	42.5	42.6	42.3	42.6	42.5	4.4	4.2	4.1	4.2	-
Industrial inorganic chemicals	281	42.6	43.1	43.3	43.8	-	4.4	4.7	4.5	4.7	-
Industrial inorganic chemicals, nec	2819	42.4	42.9	43.3	43.8	-	4.3	4.6	4.5	4.7	-
Plastics materials and synthetics	282	42.3	43.3	42.1	42.0	-	4.9	5.2	4.4	4.5	-
Plastics materials and resins	2821	43.7	44.8	42.6	42.6	-	5.4	5.9	4.8	4.8	-
Organic fibers, noncellulosic	2824	40.9	41.9	41.7	41.4	-	4.4	4.3	3.8	4.1	-
Drugs	283	41.4	41.4	42.4	42.7	-	3.7	3.4	4.2	4.1	-
Pharmaceutical preparations	2834	41.4	41.4	42.6	42.8	-	3.7	3.3	4.1	4.0	-
Soap, cleaners, and toilet goods	284	41.2	39.7	40.0	40.5	-	3.1	2.2	2.6	2.7	-
Soap and other detergents	2841	42.7	40.9	41.1	41.3	-	4.4	2.6	4.4	4.3	-
Polishing, sanitation, and finishing preparations	2842,3	41.5	40.4	40.1	41.0	-	2.9	2.4	2.5	2.9	-
Toilet preparations	2844	40.1	38.7	39.3	39.6	-	2.3	1.8	1.4	1.4	-
Paints and allied products	285	41.9	41.1	40.7	41.1	-	3.5	3.2	2.6	3.0	-
Industrial organic chemicals	286	45.1	45.6	44.5	45.0	-	6.0	5.8	5.4	5.4	-
Cyclic crudes and intermediates	2865	44.3	44.3	43.4	43.5	-	5.8	5.5	4.5	4.4	-
Industrial organic chemicals, nec	2869	45.4	46.0	44.9	45.5	-	6.2	6.0	5.7	5.8	-
Agricultural chemicals	287	44.5	45.2	44.3	44.6	-	5.8	6.0	5.6	5.5	-
Miscellaneous chemical products	289	42.7	42.6	42.0	42.0	-	4.0	3.3	3.9	3.7	-
Petroleum and coal products	29	44.2	44.5	43.8	43.6	43.7	5.8	5.9	5.5	5.6	-
Petroleum refining	291	44.4	45.0	44.7	44.2	-	5.6	5.8	5.9	6.0	-
Asphalt paving and roofing materials	295	44.9	44.4	41.2	42.5	-	7.9	7.4	4.7	5.1	-
Rubber and misc. plastics products	30	41.3	40.1	40.4	40.6	40.7	3.6	2.7	3.0	3.1	-
Tires and inner tubes	301	43.4	41.3	42.3	41.5	-	4.9	3.5	3.9	3.3	-
Rubber and plastics footwear	302	41.3	38.7	42.5	43.6	-	2.3	1.5	3.4	3.8	-
Hose, belting, gaskets, and packing	305	43.4	41.3	41.3	40.9	-	4.3	2.7	2.9	2.8	-
Rubber and plastics hose and belting	3052	43.9	41.8	41.3	41.6	-	4.8	3.0	2.8	2.9	-
Fabricated rubber products, nec	306	40.9	39.3	40.1	39.7	-	3.1	1.9	2.4	2.2	-
Miscellaneous plastics products, nec	308	40.9	40.0	40.1	40.5	-	3.5	2.8	2.9	3.2	-
Leather and leather products	31	37.3	36.4	36.8	36.7	36.6	1.8	1.3	1.5	1.5	-
Leather tanning and finishing	311	42.2	40.6	41.7	41.7	-	4.0	3.1	4.1	3.7	-
Footwear, except rubber	314	36.3	35.9	35.4	35.2	-	1.2	.8	1.0	.9	-
Men's footwear, except athletic	3143	36.6	35.7	35.8	35.9	-	1.0	.5	1.2	1.1	-
Women's footwear, except athletic	3144	35.7	35.8	34.9	34.0	-	1.1	.9	.9	.8	-
Luggage	316	38.0	37.3	40.9	41.4	-	1.7	1.4	2.0	2.3	-
Handbags and personal leather goods	317	37.4	34.7	36.5	36.7	-	2.6	1.7	.6	.5	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Nondurable goods—Continued											
Paper and allied products	26	\$12.11	\$12.25	\$12.51	\$12.57	\$12.57	\$519.52	\$520.63	\$532.93	\$538.00	\$536.74
Paper mills	262	14.81	15.07	15.25	15.33	-	664.97	690.21	686.25	692.92	-
Paperboard mills	263	14.97	15.18	15.49	15.49	-	666.17	687.65	700.15	695.50	-
Paperboard containers and boxes	265	10.23	10.20	10.53	10.61	-	430.68	415.14	435.94	443.50	-
Corrugated and solid fiber boxes	2653	10.38	10.33	10.56	10.65	-	440.11	423.53	438.24	446.24	-
Sanitary food containers	2656	9.65	9.97	10.22	10.34	-	427.50	410.76	424.13	441.52	-
Folding paperboard boxes	2657	10.59	10.49	10.87	10.95	-	441.60	420.65	455.45	459.90	-
Misc. converted paper products	267	10.65	10.64	11.01	11.03	-	446.24	434.11	454.71	457.75	-
Paper, coated and laminated, nec	2672	12.11	12.02	12.44	12.49	-	531.63	508.45	524.97	528.33	-
Bags: plastics, laminated, and coated	2673	10.11	10.24	10.57	10.60	-	419.57	418.82	438.66	435.66	-
Envelopes	2677	9.98	9.86	10.29	10.29	-	418.16	400.32	414.69	418.80	-
Printing and publishing	27	11.17	11.12	11.37	11.38	11.35	425.58	415.89	425.24	429.03	425.63
Newspapers	271	11.21	11.21	11.44	11.41	-	368.81	366.57	371.80	373.11	-
Periodicals	272	11.89	11.93	11.88	11.99	-	451.82	447.38	452.63	446.03	-
Books	273	9.75	9.82	10.00	10.08	-	383.18	372.18	387.00	402.19	-
Book publishing	2731	9.40	9.56	9.83	9.86	-	374.12	368.06	384.35	393.41	-
Book printing	2732	10.23	10.17	10.22	10.36	-	394.88	377.31	391.43	414.40	-
Miscellaneous publishing	274	10.08	10.12	10.50	10.53	-	373.97	368.37	383.25	385.40	-
Commercial printing	275	11.46	11.36	11.65	11.68	-	454.96	440.77	452.02	456.69	-
Commercial printing, lithographic	2752	11.59	11.48	11.76	11.78	-	455.49	443.13	453.94	461.78	-
Commercial printing, nec	2759	11.17	11.07	11.36	11.43	-	446.80	433.94	440.77	446.91	-
Manifold business forms	276	11.43	11.49	11.99	12.01	-	474.35	465.35	490.39	494.81	-
Blankbooks and bookbinding	278	8.80	8.81	9.03	8.99	-	329.12	324.21	334.11	343.42	-
Printing trade services	279	13.90	13.77	13.69	13.72	-	547.66	532.90	531.17	536.45	-
Chemicals and allied products	28	13.34	13.53	13.81	13.84	13.97	566.95	576.38	584.16	589.58	593.73
Industrial inorganic chemicals	281	14.48	14.59	14.87	14.91	-	616.85	628.83	643.87	653.06	-
Industrial inorganic chemicals, nec	2819	14.58	14.68	15.20	15.24	-	618.19	629.77	658.16	667.51	-
Plastics materials and synthetics	282	13.79	14.18	14.46	14.54	-	583.32	613.99	608.77	610.68	-
Plastics materials and resins	2821	14.54	14.96	15.20	15.18	-	635.40	670.21	647.52	646.67	-
Organic fibers, noncellulosic	2824	13.24	13.65	13.79	13.92	-	541.52	571.94	575.04	576.29	-
Drugs	283	12.71	12.74	13.26	13.36	-	526.19	527.44	562.22	570.47	-
Pharmaceutical preparations	2834	12.67	12.71	13.25	13.37	-	524.54	526.19	564.45	572.24	-
Soap, cleaners, and toilet goods	284	11.60	11.54	12.04	12.03	-	477.92	458.14	481.60	487.22	-
Soap and other detergents	2841	15.45	15.19	15.31	15.39	-	659.72	621.27	629.24	635.61	-
Polishing, sanitation, and finishing preparations	2842,3	10.28	10.27	10.50	10.49	-	426.62	414.91	421.05	430.09	-
Toilet preparations	2844	9.88	9.95	10.61	10.55	-	396.19	385.07	416.97	417.78	-
Paints and allied products	285	11.88	11.93	12.34	12.46	-	497.77	490.32	502.24	512.11	-
Industrial organic chemicals	286	15.81	16.19	16.13	16.13	-	713.03	738.26	717.79	725.85	-
Cyclic crudes and intermediates	2865	15.86	15.87	15.83	15.83	-	702.60	703.04	687.02	688.61	-
Industrial organic chemicals, nec	2869	16.00	16.47	16.41	16.42	-	726.40	757.62	736.81	747.11	-
Agricultural chemicals	287	13.26	13.33	13.76	13.56	-	590.07	602.52	609.57	604.78	-
Miscellaneous chemical products	289	12.03	12.23	12.41	12.43	-	513.68	521.00	521.22	522.06	-
Petroleum and coal products	29	16.11	16.31	17.02	16.98	16.85	712.06	725.80	745.48	740.33	736.35
Petroleum refining	291	17.44	17.75	18.35	18.41	-	774.34	798.75	820.25	813.72	-
Asphalt paving and roofing materials	295	12.32	12.25	12.36	12.24	-	553.17	543.90	509.23	520.20	-
Rubber and misc. plastics products	30	9.68	9.66	10.01	10.04	10.11	399.78	387.37	404.40	407.62	411.48
Tires and inner tubes	301	15.19	15.07	15.86	15.79	-	659.25	622.39	670.88	655.29	-
Rubber and plastics footwear	302	6.57	6.64	6.78	6.69	-	271.34	256.97	288.15	291.68	-
Hose, belting, gaskets, and packing	305	9.66	9.58	9.82	9.88	-	419.24	395.65	405.57	404.09	-
Rubber and plastics hose and belting	3052	9.99	9.86	10.06	10.06	-	438.56	412.15	415.48	418.50	-
Fabricated rubber products, nec	306	9.27	9.24	9.55	9.54	-	379.14	363.13	382.96	378.74	-
Miscellaneous plastics products, nec	308	9.07	9.06	9.33	9.39	-	370.96	362.40	374.13	380.30	-
Leather and leather products	31	6.87	6.94	7.11	7.12	7.17	256.25	252.62	261.65	261.30	262.42
Leather tanning and finishing	311	8.90	9.01	9.42	9.27	-	375.58	365.81	392.81	386.56	-
Footwear, except rubber	314	6.56	6.61	6.75	6.79	-	238.13	237.30	238.95	239.01	-
Men's footwear, except athletic	3143	7.05	7.09	7.28	7.34	-	258.03	253.11	260.62	263.51	-
Women's footwear, except athletic	3144	6.06	6.14	6.24	6.28	-	216.34	219.81	217.78	213.52	-
Luggage	316	6.83	7.06	6.78	6.79	-	259.54	263.34	277.30	281.11	-
Handbags and personal leather goods	317	6.04	6.11	6.23	6.19	-	225.90	212.02	227.40	227.17	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Transportation and public utilities		38.7	38.9	38.2	38.2	38.4	-	-	-	-	-
Railroad transportation:											
Class I railroads ³	4011	45.5	45.9	45.0	44.5	-	-	-	-	-	-
Local and interurban passenger transit	41	32.8	32.6	32.4	32.5	-	-	-	-	-	-
Local and suburban transportation	411	38.1	38.6	37.5	37.6	-	-	-	-	-	-
Intercity and rural bus transportation	413	34.9	38.3	37.7	36.9	-	-	-	-	-	-
Trucking and warehousing	42	38.0	38.1	37.4	37.4	-	-	-	-	-	-
Trucking and courier services, except air	421	37.9	38.0	37.3	37.3	-	-	-	-	-	-
Public warehousing and storage	422	39.0	38.9	38.9	38.8	-	-	-	-	-	-
Pipelines, except natural gas	46	41.5	41.8	41.1	41.3	-	-	-	-	-	-
Transportation services:											
Freight transportation arrangement	473	37.2	37.7	37.6	37.5	-	-	-	-	-	-
Communications	48	39.0	39.3	38.8	38.7	-	-	-	-	-	-
Telephone communications	481	40.5	40.8	40.3	40.2	-	-	-	-	-	-
Radio and television broadcasting	483	34.5	35.0	34.2	34.2	-	-	-	-	-	-
Cable and other pay television services	484	37.8	38.2	38.0	38.3	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.7	41.8	41.3	41.3	-	-	-	-	-	-
Electric services	491	41.6	42.0	41.1	41.2	-	-	-	-	-	-
Gas production and distribution	492	41.8	41.9	42.4	42.0	-	-	-	-	-	-
Combination utility services	493	42.2	41.8	40.9	41.5	-	-	-	-	-	-
Sanitary services	495	41.4	41.3	41.4	41.5	-	-	-	-	-	-
Wholesale trade		37.9	38.1	37.8	37.9	38.0	-	-	-	-	-
Durable goods	50	38.5	38.5	38.3	38.5	-	-	-	-	-	-
Motor vehicles, parts, and supplies	501	38.0	37.9	37.5	37.6	-	-	-	-	-	-
Furniture and home furnishings	502	37.0	36.9	36.1	36.4	-	-	-	-	-	-
Lumber and other construction materials	503	39.3	39.6	38.6	39.0	-	-	-	-	-	-
Professional and commercial equipment	504	38.6	38.8	38.9	39.1	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.2	39.6	39.8	39.5	-	-	-	-	-	-
Electrical goods	506	38.6	38.5	38.4	38.5	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.6	38.5	38.3	38.4	-	-	-	-	-	-
Machinery, equipment, and supplies	508	38.9	39.0	38.6	38.8	-	-	-	-	-	-
Misc. wholesale trade durable goods	509	37.2	36.8	37.0	37.2	-	-	-	-	-	-
Nondurable goods	51	37.1	37.4	37.0	37.1	-	-	-	-	-	-
Paper and paper products	511	37.2	37.4	37.3	36.9	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.2	37.3	36.5	36.7	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.6	36.3	36.5	36.7	-	-	-	-	-	-
Groceries and related products	514	37.5	37.9	37.6	37.7	-	-	-	-	-	-
Chemicals and allied products	516	39.9	39.9	39.5	39.7	-	-	-	-	-	-
Petroleum and petroleum products	517	37.9	38.4	37.8	37.7	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	36.4	36.5	35.9	36.2	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	519	36.5	37.1	36.2	36.5	-	-	-	-	-	-
Retail trade		28.5	29.0	28.0	28.2	28.3	-	-	-	-	-
Building materials and garden supplies	52	35.8	36.1	34.9	35.1	-	-	-	-	-	-
Lumber and other building materials	521	37.7	37.7	36.6	36.8	-	-	-	-	-	-
Hardware stores	525	31.7	32.0	31.4	31.7	-	-	-	-	-	-
General merchandise stores	53	27.5	28.0	26.8	27.6	-	-	-	-	-	-
Department stores	531	27.4	27.8	26.6	27.5	-	-	-	-	-	-
Variety stores	533	28.0	29.2	27.7	28.1	-	-	-	-	-	-
Misc. general merchandise stores	539	28.4	28.6	28.2	28.4	-	-	-	-	-	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Transportation and public utilities		\$12.83	\$12.96	\$13.15	\$13.16	\$13.22	\$496.52	\$504.14	\$502.33	\$502.71	\$507.65
Railroad transportation:											
Class I railroads ³	4011	16.10	16.22	15.85	15.60	-	732.55	744.50	713.25	694.20	
Local and interurban passenger transit	41	8.89	8.97	9.20	9.18	-	291.59	292.42	298.08	298.35	-
Local and suburban transportation	411	9.81	9.94	9.95	9.95	-	373.76	383.68	373.13	374.12	-
Intercity and rural bus transportation	413	10.77	10.95	12.05	11.96	-	375.87	419.39	454.29	441.32	-
Trucking and warehousing	42	11.70	11.74	11.76	11.78	-	444.60	447.29	439.82	440.57	-
Trucking and courier services, except air	421	11.86	11.90	11.91	11.93	-	449.49	452.20	444.24	444.99	-
Public warehousing and storage	422	9.47	9.58	9.77	9.77	-	369.33	372.66	380.05	379.08	-
Pipelines, except natural gas	46	16.90	17.27	17.51	17.61	-	701.35	721.89	719.66	727.29	
Transportation services:											
Freight transportation arrangement	473	12.04	12.22	12.40	12.42	-	447.89	460.69	466.24	465.75	
Communications	48	13.32	13.32	13.72	13.75	-	519.48	523.48	532.34	532.13	-
Telephone communications	481	14.01	13.97	14.37	14.43	-	567.41	569.98	579.11	580.09	-
Radio and television broadcasting	483	12.29	12.42	13.13	13.05	-	424.01	434.70	449.05	446.31	-
Cable and other pay television services	484	10.38	10.43	10.58	10.65	-	392.36	398.43	402.04	407.90	-
Electric, gas, and sanitary services	49	15.04	15.14	15.73	15.87	-	627.17	632.85	649.65	655.43	-
Electric services	491	15.71	15.86	16.18	16.38	-	653.54	666.12	665.00	674.86	-
Gas production and distribution	492	13.96	14.10	14.72	14.63	-	583.53	590.79	624.13	614.46	-
Combination utility services	493	16.98	16.96	18.71	18.99	-	716.56	708.93	765.24	788.09	-
Sanitary services	495	11.48	11.55	11.67	11.75	-	475.27	477.02	483.14	487.63	-
Wholesale trade		10.66	10.78	11.09	11.07	11.14	404.01	410.72	419.20	419.55	423.32
Durable goods	50	10.97	11.12	11.47	11.44	-	422.35	428.12	439.30	440.44	-
Motor vehicles, parts, and supplies	501	9.83	9.97	10.15	10.15	-	373.54	377.86	380.63	381.64	-
Furniture and home furnishings	502	10.05	10.16	10.38	10.33	-	371.85	374.90	374.72	376.01	-
Lumber and other construction materials	503	10.30	10.42	10.67	10.67	-	404.79	412.63	411.86	416.13	-
Professional and commercial equipment	504	12.80	12.97	13.61	13.58	-	494.08	503.24	529.43	530.98	-
Metals and minerals, except petroleum	505	11.15	11.26	11.57	11.58	-	448.23	445.90	460.49	457.41	-
Electrical goods	506	11.28	11.43	11.71	11.61	-	435.41	440.06	449.66	446.99	-
Hardware, plumbing, and heating equipment	507	10.38	10.52	10.74	10.71	-	400.67	405.02	411.34	411.26	-
Machinery, equipment, and supplies	508	11.00	11.17	11.41	11.40	-	427.90	435.63	440.43	442.32	-
Misc. wholesale trade durable goods	509	8.62	8.76	8.96	8.93	-	320.66	322.37	331.52	332.20	-
Nondurable goods	51	10.19	10.27	10.53	10.54	-	378.05	384.10	389.61	391.03	-
Paper and paper products	511	10.92	11.02	11.08	11.08	-	406.22	412.15	413.28	408.85	-
Drugs, proprietaries, and sundries	512	11.59	11.82	12.56	12.50	-	431.15	440.89	458.44	458.75	-
Apparel, piece goods, and notions	513	10.06	10.16	10.28	10.25	-	368.20	368.81	375.22	376.18	-
Groceries and related products	514	10.35	10.43	10.68	10.70	-	388.13	395.30	401.57	403.39	-
Chemicals and allied products	516	12.51	12.61	12.53	12.53	-	499.15	503.14	494.94	497.44	-
Petroleum and petroleum products	517	10.15	10.28	10.25	10.27	-	384.69	394.75	387.45	387.18	-
Beer, wine, and distilled beverages	518	11.89	11.98	12.27	12.46	-	432.80	437.27	440.49	451.05	-
Misc. wholesale trade nondurable goods	519	8.46	8.50	8.91	8.89	-	308.79	315.35	322.54	324.49	-
Retail trade		6.74	6.75	6.91	6.93	6.99	192.09	195.75	193.48	195.43	197.82
Building materials and garden supplies	52	7.91	7.93	8.09	8.08	-	283.18	286.27	282.34	283.61	-
Lumber and other building materials	521	8.25	8.29	8.39	8.42	-	311.03	312.53	307.07	309.86	-
Hardware stores	525	6.65	6.70	6.96	6.93	-	210.81	214.40	218.54	219.68	-
General merchandise stores	53	6.88	6.82	6.89	6.95	-	189.20	190.96	184.65	191.82	-
Department stores	531	7.08	7.01	7.03	7.10	-	193.99	194.88	187.00	195.25	-
Variety stores	533	5.56	5.56	5.81	5.79	-	155.68	162.35	160.94	162.70	-
Misc. general merchandise stores	539	6.29	6.27	6.62	6.68	-	178.64	179.32	186.68	189.71	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Retail trade—Continued											
Food stores	54	29.1	30.1	28.8	28.8	-	-	-	-	-	-
Grocery stores	541	29.2	30.2	28.8	28.9	-	-	-	-	-	-
Retail bakeries	546	28.8	29.8	28.6	28.7	-	-	-	-	-	-
Automotive dealers and service stations	55	36.1	36.2	35.6	35.8	-	-	-	-	-	-
New and used car dealers	551	37.1	37.2	36.9	37.0	-	-	-	-	-	-
Auto and home supply stores	553	38.0	38.3	37.0	37.5	-	-	-	-	-	-
Gasoline service stations	554	33.8	33.8	33.2	33.3	-	-	-	-	-	-
Automotive dealers, nec	559	34.8	36.1	35.4	34.4	-	-	-	-	-	-
Apparel and accessory stores	56	26.8	27.4	25.9	26.4	-	-	-	-	-	-
Men's and boys' clothing stores	561	27.6	28.6	27.7	27.3	-	-	-	-	-	-
Women's clothing stores	562	23.8	24.4	22.9	23.6	-	-	-	-	-	-
Family clothing stores	565	26.9	27.9	26.2	27.0	-	-	-	-	-	-
Shoe stores	566	30.2	31.0	29.5	30.0	-	-	-	-	-	-
Furniture and home furnishings stores	57	32.7	32.8	32.1	32.4	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.3	33.3	32.7	32.9	-	-	-	-	-	-
Household appliance stores	572	33.3	33.3	31.8	32.4	-	-	-	-	-	-
Radio, television, and computer stores	573	31.6	31.8	31.3	31.4	-	-	-	-	-	-
Radio, television, and electronic stores	5731	31.3	31.6	30.8	31.0	-	-	-	-	-	-
Record and prerecorded tape stores	5735	26.0	25.9	25.2	25.1	-	-	-	-	-	-
Eating and drinking places ⁴	58	25.0	25.4	24.4	24.6	-	-	-	-	-	-
Miscellaneous retail establishments	59	29.1	29.5	29.3	29.1	-	-	-	-	-	-
Drug stores and proprietary stores	591	27.0	27.3	27.4	27.5	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	27.8	28.2	27.2	27.3	-	-	-	-	-	-
Nonstore retailers	596	32.4	32.3	32.4	33.0	-	-	-	-	-	-
Fuel dealers	598	37.5	37.6	38.7	37.6	-	-	-	-	-	-
Retail stores, nec	599	30.6	31.8	32.5	30.7	-	-	-	-	-	-
Finance, insurance, and real estate⁵		35.6	36.1	35.8	35.7	35.7	-	-	-	-	-
Depository institutions	60	35.4	36.0	35.6	35.3	-	-	-	-	-	-
Commercial banks	602	35.2	35.9	35.4	35.1	-	-	-	-	-	-
Credit unions	606	35.7	36.0	35.5	35.7	-	-	-	-	-	-
Nondepository institutions	61	37.4	38.5	37.5	37.5	-	-	-	-	-	-
Personal credit institutions	614	38.1	38.6	37.2	37.4	-	-	-	-	-	-
Security and commodity brokers: Security and commodity services	628	37.5	38.0	38.0	37.3	-	-	-	-	-	-
Insurance carriers	63	37.3	37.6	37.5	37.5	-	-	-	-	-	-
Life insurance	631	37.1	37.4	37.2	37.0	-	-	-	-	-	-
Medical service and health insurance	632	38.3	38.1	38.7	38.4	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.0	37.2	37.2	37.4	-	-	-	-	-	-
Services		32.4	32.6	32.4	32.3	32.4	-	-	-	-	-
Hotels and other lodging places: Hotels and motels ⁴	701	30.6	31.1	29.7	29.8	-	-	-	-	-	-
Personal services: Laundry, cleaning, and garment services	721	33.9	34.2	33.3	33.7	-	-	-	-	-	-
Beauty shops ⁴	723	29.4	29.8	29.4	29.6	-	-	-	-	-	-
Miscellaneous personal services	729	26.2	28.2	31.5	28.3	-	-	-	-	-	-
Business services	73	33.3	33.1	33.2	33.2	-	-	-	-	-	-
Advertising	731	36.9	37.5	36.3	36.0	-	-	-	-	-	-
Services to buildings	734	28.8	28.9	28.2	28.3	-	-	-	-	-	-
Personnel supply services: Help supply services	7363	31.0	30.1	30.9	31.0	-	-	-	-	-	-
Computer and data processing services	737	38.2	38.6	37.9	37.9	-	-	-	-	-	-
Miscellaneous business services	738	34.4	34.3	34.1	34.0	-	-	-	-	-	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Retail trade—Continued											
Food stores	54	\$7.36	\$7.37	\$7.51	\$7.55	-	\$214.18	\$221.84	\$216.29	\$217.44	-
Grocery stores	541	7.46	7.46	7.61	7.64	-	217.83	225.29	219.17	220.80	-
Retail bakeries	546	6.25	6.36	6.45	6.50	-	180.00	189.53	184.47	186.55	-
Automotive dealers and service stations	55	8.86	8.96	8.94	8.99	-	319.85	324.35	318.26	321.84	-
New and used car dealers	551	10.96	11.12	10.91	11.01	-	406.62	413.66	402.58	407.37	-
Auto and home supply stores	553	7.70	7.77	7.95	7.98	-	292.60	297.59	294.15	299.25	-
Gasoline service stations	554	6.14	6.18	6.29	6.30	-	207.53	208.88	208.83	209.79	-
Automotive dealers, nec	559	10.84	10.95	10.47	10.35	-	377.23	395.30	370.64	356.04	-
Apparel and accessory stores	56	6.19	6.24	6.48	6.53	-	165.89	170.98	167.83	172.39	-
Men's and boys' clothing stores	561	7.57	7.68	7.85	7.85	-	208.93	219.65	217.45	214.31	-
Women's clothing stores	562	5.91	5.98	6.26	6.30	-	140.66	145.91	143.35	148.68	-
Family clothing stores	565	6.09	6.13	6.48	6.43	-	163.82	171.03	169.78	173.61	-
Shoe stores	566	6.10	6.15	6.20	6.49	-	184.22	190.65	182.90	194.70	-
Furniture and home furnishings stores	57	8.45	8.54	8.81	8.85	-	276.32	280.11	282.80	286.74	-
Furniture and home furnishings stores	571	8.34	8.42	8.57	8.60	-	277.72	280.39	280.24	282.94	-
Household appliance stores	572	8.53	8.66	9.27	9.29	-	284.05	288.38	294.79	301.00	-
Radio, television, and computer stores	573	8.63	8.72	9.07	9.16	-	272.71	277.30	283.89	287.62	-
Radio, television, and electronic stores	5731	8.61	8.60	9.07	9.28	-	269.49	271.76	279.36	287.68	-
Record and prerecorded tape stores	5735	5.03	5.13	5.51	5.58	-	130.78	132.87	138.85	140.06	-
Eating and drinking places ⁴	58	4.88	4.93	5.08	5.08	-	122.00	125.22	123.95	124.97	-
Miscellaneous retail establishments	59	7.09	7.09	7.35	7.39	-	206.32	209.16	215.36	215.05	-
Drug stores and proprietary stores	591	6.69	6.68	7.08	7.09	-	180.63	182.36	193.99	194.98	-
Miscellaneous shopping goods stores	594	6.66	6.67	6.95	7.01	-	185.15	188.09	189.04	191.37	-
Nonstore retailers	596	7.91	7.92	8.07	8.10	-	256.28	255.82	261.47	267.30	-
Fuel dealers	598	9.82	9.82	10.16	10.11	-	368.25	369.23	393.19	380.14	-
Retail stores, nec	599	7.35	7.34	7.41	7.53	-	224.91	233.41	240.83	231.17	-
Finance, insurance, and real estate⁵		9.84	9.97	10.32	10.35	\$10.38	350.30	359.92	369.46	369.50	\$370.57
Depository institutions	60	8.41	8.49	8.78	8.79	-	297.71	305.64	312.57	310.29	-
Commercial banks	602	8.09	8.13	8.42	8.44	-	284.77	291.87	298.07	296.24	-
Credit unions	606	8.03	8.14	8.40	8.40	-	286.67	293.04	298.20	299.88	-
Nondepository institutions	61	10.19	10.32	10.63	10.69	-	381.11	397.32	398.63	400.88	-
Personal credit institutions	614	9.12	9.23	9.70	9.75	-	347.47	356.28	360.84	364.65	-
Security and commodity brokers:											
Security and commodity services	628	13.06	12.96	13.94	13.96	-	489.75	492.48	529.72	520.71	-
Insurance carriers	63	11.02	11.15	11.51	11.57	-	411.05	419.24	431.63	433.88	-
Life insurance	631	10.26	10.35	10.56	10.64	-	380.65	387.09	392.83	393.68	-
Medical service and health insurance	632	10.62	10.80	10.97	11.09	-	406.75	411.48	424.54	425.86	-
Fire, marine, and casualty insurance	633	11.83	11.94	12.49	12.50	-	437.71	444.17	464.63	467.50	-
Services		9.76	9.82	10.18	10.19	10.21	316.22	320.13	329.83	329.14	330.80
Hotels and other lodging places:											
Hotels and motels ⁴	701	6.92	6.96	7.16	7.18	-	211.75	216.46	212.65	213.96	-
Personal services:											
Laundry, cleaning, and garment services	721	6.72	6.80	6.95	6.93	-	227.81	232.56	231.44	233.54	-
Beauty shops ⁴	723	7.07	7.13	7.08	7.21	-	207.86	212.47	208.15	213.42	-
Miscellaneous personal services	729	6.96	6.79	6.70	6.86	-	182.35	191.48	211.05	194.14	-
Business services	73	9.45	9.58	9.78	9.78	-	314.69	317.10	324.70	324.70	-
Advertising	731	13.37	13.77	13.66	13.70	-	493.35	516.38	495.86	493.20	-
Services to buildings	734	7.07	7.21	7.19	7.24	-	203.62	208.37	202.76	204.89	-
Personnel supply services:											
Help supply services	7363	8.10	8.06	8.31	8.36	-	251.10	242.61	256.78	259.16	-
Computer and data processing services	737	14.76	15.05	15.39	15.33	-	563.83	580.93	583.28	581.01	-
Miscellaneous business services	738	7.82	7.91	8.01	8.02	-	269.01	271.31	273.14	272.68	-

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 nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Services—Continued											
Detective and armored car services	7381	34.3	34.0	34.2	34.0	-	-	-	-	-	-
Auto repair, services, and parking	75	36.6	36.6	36.2	36.2	-	-	-	-	-	-
Automotive repair shops	753	38.2	38.1	37.7	37.9	-	-	-	-	-	-
Miscellaneous repair services	76	37.5	37.3	37.3	37.5	-	-	-	-	-	-
Motion pictures	78	27.5	27.6	28.2	27.8	-	-	-	-	-	-
Motion picture production and services	781	36.7	36.2	37.1	36.8	-	-	-	-	-	-
Amusement and recreation services	79	26.7	27.2	26.5	25.9	-	-	-	-	-	-
Misc. amusement and recreation services	799	25.9	26.9	25.2	24.7	-	-	-	-	-	-
Health services	80	32.4	32.5	32.4	32.4	-	-	-	-	-	-
Offices and clinics of medical doctors	801	31.8	31.7	31.8	31.8	-	-	-	-	-	-
Offices and clinics of dentists	802	28.3	28.6	28.2	28.2	-	-	-	-	-	-
Nursing and personal care facilities	805	31.5	32.2	31.9	31.8	-	-	-	-	-	-
Hospitals	806	34.1	34.1	34.0	34.1	-	-	-	-	-	-
Home health care services	808	25.2	25.6	25.8	25.7	-	-	-	-	-	-
Legal services	81	34.7	35.3	34.8	34.8	-	-	-	-	-	-
Engineering and management services	87	37.8	38.0	37.6	37.6	-	-	-	-	-	-
Engineering and architectural services	871	39.1	38.9	38.7	38.7	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	872	39.8	40.5	39.6	40.0	-	-	-	-	-	-
Research and testing services	873	36.1	36.2	35.9	36.0	-	-	-	-	-	-
Management and public relations	874	35.3	35.8	35.5	35.2	-	-	-	-	-	-
Services, nec	89	37.7	38.0	36.2	35.3	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Services—Continued											
Detective and armored car services	7381	\$6.12	\$6.20	\$6.29	\$6.26	-	\$209.92	\$210.80	\$215.12	\$212.84	-
Auto repair, services, and parking	75	8.71	8.75	8.94	8.96	-	318.79	320.25	323.63	324.35	-
Automotive repair shops	753	9.63	9.65	9.77	9.78	-	367.87	367.67	368.33	370.66	-
Miscellaneous repair services	76	10.37	10.29	10.49	10.54	-	388.88	383.82	391.28	395.25	-
Motion pictures	78	11.35	10.71	12.02	11.83	-	312.13	295.60	338.96	328.87	-
Motion picture production and services	781	17.25	16.41	18.11	17.83	-	633.08	594.04	671.88	656.14	-
Amusement and recreation services	79	8.31	8.33	8.66	8.76	-	221.88	226.58	229.49	226.88	-
Misc. amusement and recreation services	799	7.56	7.53	7.61	7.63	-	195.80	202.56	191.77	188.46	-
Health services	80	10.25	10.29	10.77	10.78	-	332.10	334.43	348.95	349.27	-
Offices and clinics of medical doctors	801	10.34	10.44	11.10	11.03	-	328.81	330.95	352.98	350.75	-
Offices and clinics of dentists	802	9.94	10.06	10.48	10.48	-	281.30	287.72	295.54	295.54	-
Nursing and personal care facilities	805	7.09	7.16	7.46	7.45	-	223.34	230.55	237.97	236.91	-
Hospitals	806	11.62	11.65	12.17	12.18	-	396.24	397.27	413.78	415.34	-
Home health care services	808	8.54	8.68	9.24	9.37	-	215.21	222.21	238.39	240.81	-
Legal services	81	13.96	14.16	14.48	14.45	-	484.41	499.85	503.90	502.86	-
Engineering and management services	87	13.28	13.50	13.97	13.96	-	501.98	513.00	525.27	524.90	-
Engineering and architectural services	871	14.59	14.75	15.35	15.37	-	570.47	573.78	594.05	594.82	-
Accounting, auditing, and bookkeeping	872	11.64	11.98	12.20	12.27	-	463.27	485.19	483.12	490.80	-
Research and testing services	873	13.80	14.05	14.82	14.70	-	498.18	508.61	532.04	529.20	-
Management and public relations	874	12.42	12.63	12.89	12.86	-	438.43	452.15	457.60	452.67	-
Services, nec	89	13.28	13.62	14.18	14.30	-	500.66	517.56	513.32	504.79	-

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 the nonsupervisory count for all series in this division.

- Data not available.

^P = preliminary.

NOTE: Establishment survey estimates reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1989 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 earning 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 bargaining 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.

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)			
	Feb. 1990	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Feb. 1990	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Average hourly earnings, excluding lump-sum payments	\$15.44	\$15.47	\$16.32	\$16.31	\$14.58	\$14.56	\$15.02	\$15.01
Average hourly earnings, including lump-sum payments	16.14	16.17	16.79	16.77	15.04	15.04	15.37	15.35

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^P	Apr. 1991 ^P
Manufacturing	\$10.30	\$10.37	\$10.62	\$10.65	\$10.70
Durable goods	10.78	10.84	11.14	11.17	11.22
Lumber and wood products	8.67	8.73	8.81	8.79	(?)
Furniture and fixtures	8.19	8.23	8.49	8.49	(?)
Stone, clay, and glass products	10.44	10.60	10.73	10.74	(?)
Primary metal industries	12.03	12.25	12.38	12.55	(?)
Fabricated metal products	10.30	10.32	10.63	10.68	(?)
Industrial machinery and equipment	11.11	11.17	11.56	11.62	(?)
Electronic and other electrical equipment	9.81	9.89	10.22	10.19	(?)
Transportation equipment	13.37	13.41	13.86	13.93	(?)
Instruments and related products	10.82	10.92	11.26	11.28	(?)
Miscellaneous manufacturing	8.33	8.38	8.49	8.51	(?)
Nondurable goods	9.63	9.73	9.94	9.97	\$10.00
Food and kindred products	9.17	9.19	9.33	9.40	(?)
Tobacco products	16.01	16.70	15.87	17.23	(?)
Textile mill products	7.60	7.65	7.82	7.83	(?)
Apparel and other textile products	6.39	6.47	6.49	6.51	(?)
Paper and allied products	11.52	11.67	11.91	11.96	(?)
Printing and publishing	10.74	10.76	11.01	10.99	(?)
Chemicals and allied products	12.69	12.90	13.17	13.19	(?)
Petroleum and coal products	15.12	15.30	16.00	15.94	(?)
Rubber and misc. plastics products	9.27	9.35	9.66	9.67	(?)
Leather and leather products	6.71	6.81	6.97	6.98	(?)

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 reflect the 1987

Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1989 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, in current and constant (1982) dollars

Industry	Average hourly earnings					Average weekly earnings				
	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^p	Apr. 1991 ^p	Mar. 1990	Apr. 1990	Feb. 1991	Mar. 1991 ^p	Apr. 1991 ^p
Total private:										
Current dollars	\$9.93	\$9.97	\$10.24	\$10.25	\$10.30	\$340.60	\$342.97	\$347.14	\$348.50	\$351.23
Constant (1982) dollars	7.57	7.59	7.47	7.47	(²)	259.60	261.01	253.39	253.82	(²)
Mining:										
Current dollars	13.57	13.66	14.07	14.06	\$14.15	583.51	588.75	624.71	620.05	\$621.19
Constant (1982) dollars	10.34	10.40	10.27	10.24	(²)	444.75	448.06	455.99	451.60	(²)
Construction:										
Current dollars	13.63	13.58	13.86	13.85	\$13.90	516.58	506.53	512.82	515.22	\$525.42
Constant (1982) dollars	10.39	10.33	10.12	10.09	(²)	393.73	385.49	374.32	375.25	(²)
Manufacturing:										
Current dollars	10.75	10.75	11.03	11.07	\$11.12	437.53	427.85	440.10	443.91	\$445.91
Constant (1982) dollars	8.19	8.18	8.05	8.06	(²)	333.48	325.61	321.24	323.31	(²)
Transportation and public utilities:										
Current dollars	12.83	12.96	13.15	13.16	\$13.22	496.52	504.14	502.33	502.71	\$507.65
Constant (1982) dollars	9.78	9.86	9.60	9.58	(²)	378.45	383.67	366.66	366.14	(²)
Wholesale trade:										
Current dollars	10.66	10.78	11.09	11.07	\$11.14	404.01	410.72	419.20	419.55	\$423.32
Constant (1982) dollars	8.13	8.20	8.09	8.06	(²)	307.93	312.57	305.99	305.57	(²)
Retail trade:										
Current dollars	6.74	6.75	6.91	6.93	\$6.99	192.09	195.75	193.48	195.43	\$197.82
Constant (1982) dollars	5.14	5.14	5.04	5.05	(²)	146.41	148.97	141.23	142.34	(²)
Finance, insurance, and real estate:										
Current dollars	9.84	9.97	10.32	10.35	\$10.38	350.30	359.92	369.46	369.50	\$370.57
Constant (1982) dollars	7.50	7.59	7.53	7.54	(²)	267.00	273.91	269.68	269.12	(²)
Services:										
Current dollars	9.76	9.82	10.18	10.19	\$10.21	316.22	320.13	329.83	329.14	\$330.80
Constant (1982) dollars	7.44	7.47	7.43	7.42	(²)	241.02	243.63	240.75	239.72	(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 reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1989 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

Industry	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	34.5	34.5	34.7	34.5	34.5	34.7	34.2	34.4	34.6	34.1	34.3	34.2	34.1
Mining	43.4	43.6	44.4	43.7	43.9	44.7	44.0	44.8	44.7	44.4	44.9	44.6	44.2
Construction	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Manufacturing	40.7	40.9	41.0	40.9	41.0	41.0	40.7	40.5	40.7	40.4	40.3	40.1	40.2
<i>Overtime hours</i>	3.5	3.8	3.8	3.7	3.8	3.7	3.6	3.5	3.6	3.4	3.3	3.2	3.3
Durable goods	41.2	41.5	41.6	41.5	41.5	41.7	41.3	40.9	41.2	40.8	40.6	40.4	40.6
<i>Overtime hours</i>	3.5	3.9	3.9	3.8	3.9	3.8	3.6	3.5	3.6	3.3	3.2	3.2	3.2
Lumber and wood products	40.2	40.4	40.3	40.2	40.4	40.7	39.8	39.5	39.9	39.4	39.3	39.1	39.3
Furniture and fixtures	39.0	39.2	39.3	39.6	39.4	39.1	38.6	38.5	38.8	38.5	37.5	38.1	38.7
Stone, clay, and glass products	42.0	42.1	42.3	41.7	42.3	42.2	41.2	41.8	42.0	41.0	41.7	41.2	41.2
Primary metal industries	41.8	43.0	43.0	43.1	42.9	43.0	42.9	42.6	42.3	42.0	41.5	41.4	41.9
Blast furnaces and basic steel products ..	42.9	43.5	43.3	44.1	43.5	43.9	43.8	43.9	43.4	42.6	41.4	41.6	42.1
Fabricated metal products	41.2	41.7	41.6	41.7	41.6	41.6	41.2	40.8	41.1	40.7	40.7	40.3	40.5
Industrial machinery and equipment	41.8	42.1	42.0	42.0	42.1	42.1	42.1	41.8	42.1	41.6	41.5	41.4	41.1
Electronic and other electrical equipment ..	40.9	40.9	41.0	40.7	40.6	41.1	40.7	40.7	40.8	40.3	40.5	40.1	40.3
Transportation equipment	41.9	42.5	42.6	42.8	42.6	42.8	42.5	41.1	41.5	41.5	40.9	40.6	40.9
Motor vehicles and equipment	41.8	43.4	43.7	43.6	43.7	43.5	42.9	40.3	41.3	41.5	40.7	40.0	40.8
Instruments and related products	41.2	41.1	41.2	41.2	41.3	41.3	41.0	41.0	41.2	40.8	41.0	40.8	40.8
Miscellaneous manufacturing	39.2	39.4	39.4	39.5	39.9	39.9	39.8	39.6	39.2	39.0	39.3	39.3	39.3
Nondurable goods	40.0	40.1	40.3	40.1	40.2	40.2	40.0	39.9	40.0	39.8	39.8	39.8	39.8
<i>Overtime hours</i>	3.4	3.6	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.4	3.4	3.3	3.4
Food and kindred products	40.6	40.8	40.9	40.5	41.0	41.2	40.6	40.8	40.9	40.7	40.6	40.5	40.5
Tobacco products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Textile mill products	40.0	40.2	40.4	40.2	40.0	40.0	39.9	39.3	39.4	39.4	39.2	39.4	39.5
Apparel and other textile products	36.4	36.6	36.7	36.6	36.6	36.6	36.4	36.3	36.6	36.3	36.5	36.4	36.3
Paper and allied products	43.3	43.3	43.5	43.5	43.5	43.2	43.5	43.4	43.5	43.0	42.9	43.1	42.9
Printing and publishing	37.8	37.9	38.0	38.0	38.2	38.0	37.9	37.8	37.8	37.7	37.6	37.5	37.6
Chemicals and allied products	42.6	42.6	42.6	42.4	42.3	42.7	42.6	42.6	42.8	42.5	42.4	42.6	42.5
Petroleum and coal products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Rubber and misc. plastics products	40.9	41.4	41.6	41.5	41.3	41.4	41.1	40.9	41.0	40.8	40.6	40.6	40.7
Leather and leather products	37.5	37.4	37.5	37.4	37.7	37.5	37.2	36.8	37.4	36.9	37.2	37.1	37.0
Transportation and public utilities	39.0	39.1	39.2	39.0	38.9	39.1	38.4	38.7	38.9	38.7	38.5	38.5	38.5
Wholesale trade	38.1	38.0	38.1	38.1	38.1	38.2	37.9	38.0	38.3	37.9	38.0	38.1	38.0
Retail trade	29.0	29.0	29.0	28.9	28.7	28.9	28.4	28.7	28.8	28.4	28.6	28.7	28.4
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	32.6	32.5	32.6	32.6	32.5	32.8	32.3	32.5	32.8	32.2	32.6	32.4	32.4

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 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 reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1986 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-6. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(1982 = 100)

Industry	1990									1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	124.2	124.6	125.3	124.8	124.6	125.3	123.1	123.4	124.0	121.8	122.2	121.4	121.0
Goods-producing	110.1	111.2	111.7	110.5	110.5	110.3	108.0	107.0	107.0	104.1	104.1	102.5	102.4
Mining	65.2	65.9	68.0	66.9	66.1	67.3	66.6	67.9	68.1	67.1	68.1	67.3	66.2
Construction	138.6	142.1	144.3	138.4	139.8	139.7	132.1	135.4	135.0	124.1	129.7	124.6	124.5
Manufacturing	107.0	107.5	107.6	107.4	107.1	106.8	105.6	103.5	103.5	102.3	100.9	100.1	100.0
Durable goods	106.5	107.3	107.1	107.1	106.5	105.9	104.6	101.8	101.9	100.4	98.4	97.3	97.4
Lumber and wood products	131.7	131.9	130.5	129.7	129.7	130.5	126.1	122.9	123.3	120.1	117.7	116.5	117.1
Furniture and fixtures	125.4	125.7	126.0	125.8	125.7	123.9	121.4	118.0	117.7	116.5	111.1	112.3	114.7
Stone, clay, and glass products	110.7	110.5	110.5	108.2	109.5	108.7	105.9	106.2	106.2	101.4	102.6	99.4	98.9
Primary metal industries	90.9	93.5	93.5	94.3	93.0	92.9	92.7	90.9	89.5	88.8	85.6	85.0	85.6
Blast furnaces and basic steel products	79.1	81.2	80.4	82.3	80.8	81.6	81.8	81.6	80.2	78.0	73.2	73.2	72.9
Fabricated metal products	107.2	108.3	107.8	108.5	108.1	107.4	105.9	103.5	103.8	102.5	99.5	97.8	98.2
Industrial machinery and equipment	98.2	98.9	98.4	98.5	98.1	96.8	96.8	95.4	95.5	94.1	93.1	92.5	91.1
Electronic and other electrical equipment	109.7	109.5	109.6	108.3	107.2	107.6	106.1	104.9	104.6	102.2	102.1	100.3	100.9
Transportation equipment	120.2	121.8	123.3	124.1	122.2	121.3	120.0	110.0	112.0	111.2	106.3	105.1	105.9
Motor vehicles and equipment	123.4	131.2	133.7	133.2	131.2	129.1	127.2	109.3	114.8	114.0	107.7	105.0	109.7
Instruments and related products	88.4	87.7	87.2	86.8	86.5	86.0	84.8	84.3	84.7	84.2	84.1	83.9	83.7
Miscellaneous manufacturing	102.9	104.2	102.7	104.5	104.8	104.8	103.8	102.1	100.7	100.6	99.9	99.1	98.7
Nondurable goods	107.6	107.9	108.2	107.7	108.0	107.9	106.9	106.0	105.8	104.9	104.5	103.9	103.7
Food and kindred products	108.7	109.2	108.7	107.9	109.7	110.4	108.9	109.1	109.9	109.5	110.1	109.4	108.7
Tobacco products	64.7	65.8	64.3	66.6	68.8	68.5	66.0	66.8	69.0	68.3	66.8	64.7	63.4
Textile mill products	101.2	100.9	101.2	100.6	100.1	99.4	97.6	96.2	95.3	94.8	93.2	93.3	94.2
Apparel and other textile products	92.9	92.9	93.0	92.4	92.4	92.3	91.3	89.7	89.8	88.3	88.9	88.3	87.7
Paper and allied products	110.8	110.4	111.4	111.6	111.8	110.8	111.4	110.2	110.3	109.4	109.0	109.3	108.3
Printing and publishing	127.6	128.1	128.6	129.0	129.6	128.3	127.8	126.7	126.2	125.4	123.9	123.1	123.0
Chemicals and allied products	104.6	104.6	104.4	104.3	103.2	104.1	103.9	103.5	103.9	102.6	102.2	102.2	102.1
Petroleum and coal products	88.0	88.0	93.0	88.3	88.0	89.9	86.8	92.0	86.4	85.1	87.7	86.3	86.0
Rubber and misc. plastics products	124.6	126.0	127.3	127.2	126.8	126.7	125.2	122.2	121.4	120.1	118.0	116.4	116.7
Leather and leather products	62.2	61.5	61.1	59.8	59.6	58.8	57.1	55.4	55.7	55.0	54.3	53.6	52.9
Service-producing	130.5	130.6	131.4	131.2	130.9	132.0	129.9	130.8	131.7	129.8	130.3	129.9	129.3
Transportation and public utilities	115.2	116.0	116.7	115.8	115.2	116.4	114.4	115.4	116.4	115.8	114.4	114.1	114.1
Wholesale trade	119.3	118.9	119.8	119.5	119.5	119.6	118.4	118.4	119.1	117.2	117.0	117.1	116.2
Retail trade	125.0	125.1	125.3	125.1	124.1	124.9	122.5	123.3	123.3	121.5	121.6	121.6	120.2
Finance, insurance, and real estate	122.6	122.5	122.9	123.1	122.9	124.1	121.2	122.0	123.6	121.7	122.0	122.0	121.0
Services	144.4	144.6	145.8	145.9	146.0	147.7	145.7	146.9	148.2	145.8	147.5	146.6	146.7

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.

^P = preliminary.

NOTE: Establishment survey estimates reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1986 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

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

Industry	1990										1991			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P	
Average hourly earnings														
Total private (in current dollars)	\$9.96	\$9.98	\$10.03	\$10.07	\$10.09	\$10.13	\$10.12	\$10.14	\$10.19	\$10.19	\$10.21	\$10.24	\$10.29	
Mining	13.59	13.58	13.73	13.79	13.73	13.83	13.79	13.84	13.77	14.03	13.93	14.00	14.08	
Construction	13.62	13.71	13.73	13.76	13.78	13.82	13.82	13.79	13.79	13.93	13.90	13.88	13.94	
Manufacturing	10.75	10.81	10.86	10.89	10.90	10.93	10.97	10.97	11.00	11.04	11.02	11.05	11.12	
Excluding overtime²	10.34	10.35	10.38	10.40	10.40	10.44	10.50	10.50	10.55	10.60	10.60	10.63	10.67	
Transportation and public utilities	12.96	12.88	12.92	13.02	13.00	13.02	13.03	13.02	13.10	13.16	13.11	13.20	13.22	
Wholesale trade	10.74	10.74	10.80	10.84	10.84	10.94	10.89	10.93	11.03	11.01	11.06	11.08	11.10	
Retail trade	6.74	6.76	6.78	6.79	6.82	6.83	6.84	6.87	6.85	6.87	6.88	6.92	6.98	
Finance, insurance, and real estate	9.88	9.87	9.98	10.08	10.06	10.17	10.11	10.12	10.27	10.18	10.21	10.33	10.29	
Services	9.79	9.80	9.85	9.92	9.93	9.98	9.96	9.99	10.07	10.05	10.10	10.15	10.18	
Total private (in constant dollars)³	7.58	7.58	7.58	7.58	7.53	7.50	7.45	7.44	7.45	7.43	7.44	7.46	(⁴)	
Average weekly earnings														
Total private:														
In current dollars	343.62	344.31	348.04	347.42	348.11	351.51	346.10	348.82	352.57	347.48	350.20	350.21	350.89	
In constant (1982) dollars ³	261.51	261.44	262.87	261.61	259.78	260.19	254.67	255.92	257.92	253.27	255.06	255.07	(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 Derived by assuming that overtime hours are paid at the rate of time and one-half.

³ The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

⁴ Not available.

^P = preliminary.

NOTE: Establishment survey estimates reflect the 1987 Standard Industrial Classification (SIC) system and are currently projected from March 1989 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1986 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		
	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P
Alabama	40.7	40.0	40.2	\$9.33	\$9.63	\$9.65	\$379.73	\$385.20	\$387.93
Birmingham	41.2	40.1	40.6	9.51	9.89	10.14	391.81	396.59	411.68
Mobile	41.9	40.4	41.5	11.35	11.30	11.36	475.57	456.52	471.44
Alaska	45.7	48.4	47.0	12.24	10.83	11.25	559.37	524.17	528.75
Arizona	41.2	39.9	40.4	10.13	10.49	10.47	417.36	418.55	422.99
Arkansas	40.9	40.2	40.3	8.44	8.70	8.73	345.20	349.74	351.82
Fayetteville-Springdale	39.1	41.7	38.4	7.57	7.82	7.82	295.99	326.09	300.29
Fort Smith	40.6	39.3	40.8	8.81	8.96	9.04	357.69	352.13	368.83
Little Rock-North Little Rock	40.9	40.3	41.4	9.12	9.41	9.39	373.01	379.22	388.75
Pine Bluff	42.5	41.2	41.8	10.53	10.30	10.27	447.53	424.36	429.29
California	40.7	40.1	40.4	11.34	11.73	11.79	461.54	470.37	476.32
Anaheim-Santa Ana	42.0	39.9	40.2	11.34	11.92	12.05	476.28	475.61	484.41
Bakersfield	39.5	40.8	39.1	12.23	12.24	12.33	483.09	499.39	482.10
Fresno	39.0	39.7	39.4	9.45	9.92	9.90	368.55	393.82	390.06
Los Angeles-Long Beach	41.2	40.8	41.1	10.71	11.10	11.08	441.25	452.88	455.39
Modesto	39.9	39.6	38.8	10.50	10.95	10.79	418.95	433.62	418.65
Oakland	41.7	40.2	40.0	13.52	13.53	13.55	563.78	543.91	542.00
Oxnard-Ventura	40.8	40.2	40.5	10.73	11.20	11.36	437.78	450.24	460.08
Riverside-San Bernardino	40.0	39.2	39.6	10.29	10.66	10.63	411.60	417.87	420.95
Sacramento	40.0	37.5	37.8	11.53	12.21	12.31	461.20	457.88	465.32
Salinas-Seaside-Monterey	37.0	38.4	39.1	11.14	11.50	11.37	412.18	441.60	444.57
San Diego	40.5	40.4	40.7	11.39	11.70	11.82	461.30	472.68	481.07
San Francisco	40.2	39.4	39.8	12.68	13.10	13.02	509.74	516.14	518.20
San Jose	40.4	40.1	40.8	13.54	14.05	14.14	547.02	563.41	576.91
Santa Barbara-Santa Maria-Lompoc	40.5	41.5	41.8	11.77	12.13	12.33	476.69	503.40	515.39
Santa Rosa-Petaluma	37.4	37.6	38.1	11.19	11.57	11.70	418.51	435.03	445.77
Stockton	41.0	40.4	40.8	11.04	11.40	11.43	452.64	460.56	466.34
Vallejo-Fairfield-Napa	37.8	39.8	42.0	13.33	13.52	13.70	503.87	538.10	575.40
Colorado	40.9	40.6	40.5	10.74	11.33	11.51	439.27	460.00	466.16
Denver	40.0	40.7	41.3	12.11	12.45	12.56	484.40	506.72	518.73
Connecticut	42.3	42.0	41.8	11.42	11.79	11.83	483.07	495.18	494.49
Bridgeport-Milford	42.1	41.9	41.9	11.99	12.44	12.58	504.78	521.24	527.10
Hartford	42.9	41.5	41.7	12.29	12.54	12.58	527.24	520.41	524.59
New Britain	42.0	41.9	40.6	12.14	12.75	12.35	509.88	534.23	501.41
New Haven-Meriden	41.6	40.4	39.8	10.87	11.10	11.14	452.19	448.44	443.37
Stamford	41.3	40.9	40.9	12.28	12.09	12.12	507.16	494.48	495.71
Waterbury	41.8	41.4	41.6	10.46	10.83	10.91	437.23	448.36	453.86
Delaware	41.6	39.7	39.1	12.87	11.00	12.14	535.39	436.70	474.67
Wilmington	43.2	40.0	39.6	15.62	13.40	14.37	674.78	536.00	569.05
District of Columbia:									
Washington MSA	39.6	38.4	38.4	12.36	12.84	13.11	489.46	493.06	503.42
Florida	40.9	40.3	40.4	8.90	9.16	9.19	364.01	369.15	371.28
Fort Lauderdale-Hollywood-Pompano Beach	41.0	40.7	40.3	8.99	9.40	9.40	368.59	382.58	378.82
Jacksonville	41.3	41.1	40.7	9.36	9.51	9.53	386.57	390.86	387.87
Miami-Hialeah	40.5	39.9	39.4	7.48	7.44	7.58	302.94	296.86	298.65
Orlando	40.8	41.2	41.3	10.18	10.36	10.41	415.34	426.83	429.93
Pensacola	43.7	42.7	43.2	11.26	11.69	11.51	492.06	499.16	497.23
Tampa-St. Petersburg-Clearwater	41.1	39.7	39.4	9.13	9.42	9.53	375.24	373.97	375.48
West Palm Beach-Boca Raton-Delray Beach	40.4	43.3	42.0	9.64	10.08	10.24	389.46	436.46	430.08
Georgia	40.3	39.5	40.2	9.07	9.38	9.35	365.52	370.51	375.87
Atlanta	41.4	40.1	40.7	10.52	10.90	10.86	435.53	437.09	442.00
Savannah	46.0	47.4	44.7	11.38	11.78	11.84	523.48	558.37	529.25
Hawaii	39.4	38.3	38.7	10.94	11.52	11.55	431.04	441.22	446.99
Honolulu	40.1	38.0	38.7	11.16	12.09	12.15	447.52	459.42	470.21
Idaho	38.6	37.2	36.8	10.33	11.02	10.91	398.74	409.94	401.49

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		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Illinois	41.3	40.8	40.6	\$11.32	\$11.57	\$11.57	\$467.52	\$472.06	\$469.74
Aurora-Elgin	42.2	40.3	39.8	10.77	11.40	11.40	454.49	459.42	453.72
Bloomington-Normal	43.4	40.3	41.1	12.65	13.80	13.75	549.01	556.14	565.13
Champaign-Urbana-Rantoul	41.3	41.1	41.9	9.61	10.14	10.23	396.89	416.75	428.64
Chicago	41.5	40.1	40.1	11.11	11.26	11.30	461.07	451.53	453.13
Davenport-Rock Island-Moline	41.8	40.6	38.6	13.19	13.94	13.85	551.34	565.96	534.61
Decatur	45.0	44.5	43.0	14.51	15.01	15.01	652.95	667.95	645.43
Joliet	42.1	42.2	41.1	12.98	13.34	13.27	546.46	562.95	545.40
Kankakee	42.9	42.7	40.9	11.83	12.11	12.14	507.51	517.10	496.53
Lake County	40.4	40.2	40.4	11.57	11.78	11.86	467.43	473.56	479.14
Peoria	42.2	41.6	42.4	13.76	14.18	14.11	580.67	589.89	598.26
Rockford	41.6	39.9	40.8	12.25	12.20	12.08	509.60	486.78	492.86
Springfield	37.8	38.6	38.5	10.00	11.33	11.32	378.00	437.34	435.82
Indiana	41.3	39.8	39.4	11.95	12.20	12.12	493.54	485.56	477.53
Anderson	40.2	40.9	39.9	14.81	15.23	14.93	595.36	622.91	506.13
Bloomington	39.1	38.9	38.6	10.51	11.05	11.03	410.94	429.85	425.76
Elkhart-Goshen	39.9	37.0	38.7	9.98	10.03	10.16	398.20	371.11	393.19
Evansville	42.3	39.8	40.3	11.77	12.51	12.56	497.87	497.90	506.17
Fort Wayne	40.8	39.5	39.6	12.02	12.43	12.42	490.42	490.99	491.83
Gary-Hammond	42.7	40.2	40.0	15.73	16.36	16.27	671.67	657.67	650.80
Indianapolis	40.9	41.3	41.1	12.23	12.58	12.68	500.21	519.55	521.15
Kokomo	42.6	37.3	24.8	16.52	16.65	16.53	703.75	621.05	409.94
Lafayette-West Lafayette	39.9	43.8	41.5	11.82	12.48	12.53	471.62	546.62	520.00
Muncie	43.8	44.3	41.4	12.83	13.25	12.80	561.95	586.98	529.92
South Bend-Mishawaka	41.3	39.3	41.9	11.14	11.43	11.49	460.08	449.20	481.43
Terre Haute	42.9	40.0	40.0	9.99	11.30	11.30	428.57	452.00	452.00
Iowa	40.7	39.5	39.4	11.21	11.53	11.62	456.25	455.44	457.83
Cedar Rapids	39.0	39.0	38.9	13.22	13.66	13.78	515.58	532.74	536.04
Des Moines	40.7	40.8	41.1	12.40	12.45	12.69	504.68	507.96	521.56
Dubuque	40.0	40.8	41.0	11.93	12.07	12.53	477.20	492.46	513.73
Sioux City	38.5	39.2	39.4	8.70	8.96	9.06	334.95	351.23	356.96
Kansas	40.2	39.6	40.1	10.88	10.99	11.08	437.38	435.20	444.31
Topeka	41.0	38.5	38.8	12.04	12.45	12.57	493.64	479.33	487.72
Wichita	41.0	40.4	40.5	12.11	12.51	12.56	496.51	505.40	508.68
Kentucky	40.2	39.7	39.7	10.58	10.89	10.90	425.32	432.33	432.73
Lexington-Fayette	41.4	41.2	40.9	10.97	11.36	11.64	454.16	468.03	476.08
Louisville	41.0	41.7	41.8	12.06	12.43	12.35	494.46	518.33	516.23
Louisiana	42.4	41.0	41.9	11.64	11.93	11.60	493.54	489.13	486.04
Baton Rouge	44.4	45.2	44.2	13.69	13.68	13.76	607.84	618.34	608.19
New Orleans	42.2	39.6	40.7	11.10	11.31	11.28	468.42	447.88	459.10
Shreveport	41.2	39.9	39.5	12.46	12.84	11.37	513.35	512.32	449.12
Maine	40.9	39.7	40.1	10.44	10.94	11.02	427.00	434.32	441.90
Lewiston-Auburn	39.4	37.6	39.8	9.13	9.31	9.43	359.72	350.06	375.31
Portland	38.8	36.8	37.0	10.54	10.38	10.48	408.95	381.98	387.76
Maryland	40.5	40.3	40.4	11.52	11.79	11.84	466.56	475.14	478.34
Baltimore MSA	40.8	40.7	40.9	11.90	12.32	12.29	485.52	501.42	502.66
Massachusetts	40.7	41.0	40.9	11.24	11.64	11.66	457.47	477.24	476.89
Boston	40.5	40.3	40.3	11.74	12.43	12.30	475.47	500.93	495.69
Springfield	41.4	40.4	40.4	10.61	11.10	11.11	439.25	448.44	448.84
Worcester	41.2	42.5	42.4	11.14	11.18	11.22	458.97	475.15	475.73
Michigan	42.0	40.0	40.2	13.74	14.06	14.12	577.08	562.40	567.62
Ann Arbor	44.5	41.2	41.9	14.77	15.09	15.32	657.26	621.71	641.91
Battle Creek	42.4	42.6	41.7	14.11	14.65	14.84	598.26	624.09	618.83
Detroit	43.2	40.1	40.5	14.80	15.04	15.09	639.36	603.10	611.14
Flint	41.6	39.6	39.8	17.29	18.33	18.37	719.26	725.87	731.13
Grand Rapids	40.5	39.5	39.2	11.92	11.93	11.98	482.76	471.23	469.62
Jackson	41.2	39.5	39.7	10.70	10.73	10.71	440.84	423.83	425.19
Kalamazoo	41.6	41.9	41.4	13.48	14.56	14.33	560.77	610.06	593.26
Lansing-East Lansing	38.3	40.4	42.4	15.42	17.08	17.02	590.59	690.03	721.65
Muskegon	41.2	39.1	40.4	12.23	12.36	12.29	503.88	483.28	496.52
Saginaw-Bay City-Midland	43.3	40.1	39.8	15.78	16.16	16.02	683.27	648.02	637.60

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Minnesota	40.0	39.8	39.7	\$11.19	\$11.40	\$11.43	\$447.60	\$453.72	\$453.77
Duluth	39.9	40.4	42.7	12.07	11.50	11.19	481.59	464.60	477.81
Minneapolis-St. Paul	40.2	40.1	39.9	11.75	12.03	12.06	472.35	482.40	481.19
St. Cloud	41.0	38.4	38.3	9.78	10.15	10.10	400.98	389.76	386.83
Mississippi	39.2	38.5	38.5	8.30	8.46	8.55	325.36	325.71	329.18
Jackson	40.6	39.4	39.9	9.21	9.44	9.63	373.93	371.94	384.24
Missouri	40.3	39.6	39.7	10.71	10.61	10.72	431.61	420.16	425.58
Kansas City	40.3	40.3	40.3	11.35	11.53	11.74	457.41	464.66	473.12
St. Louis	42.4	40.7	41.1	12.72	12.85	12.93	539.33	523.00	531.42
Springfield	39.4	38.0	38.1	9.24	9.49	9.59	364.06	360.62	365.38
Montana	38.0	39.6	38.4	11.30	11.39	11.52	429.40	451.04	442.37
Nebraska	39.6	39.8	40.3	9.56	9.77	9.75	378.58	388.85	392.93
Lincoln	39.3	38.8	39.0	10.79	10.92	10.87	424.05	423.70	423.93
Omaha	40.1	40.2	40.8	10.18	10.77	10.76	408.22	432.95	439.01
Nevada	40.8	39.9	40.2	10.90	10.84	10.86	444.72	432.52	436.57
Las Vegas	42.7	39.7	40.7	13.06	12.55	12.26	557.66	498.24	498.98
New Hampshire	41.2	40.5	40.3	10.76	10.75	10.69	443.31	435.38	430.81
Manchester	42.9	41.0	41.7	10.43	10.79	10.70	447.45	442.39	446.19
Nashua	40.5	40.2	39.9	13.30	12.90	12.95	538.65	518.58	516.71
Portsmouth-Dover-Rochester	42.3	40.8	40.9	10.03	10.44	10.22	424.27	425.95	418.00
New Jersey	41.3	41.2	41.2	11.69	12.03	12.09	482.80	495.64	498.11
New Mexico	40.3	40.8	40.6	9.00	9.24	9.28	362.70	376.99	376.77
Albuquerque	39.4	40.2	40.6	9.05	9.41	9.50	356.57	378.28	385.70
New York	39.8	39.4	39.5	11.00	11.28	11.25	437.80	444.43	444.38
Albany-Schenectady-Troy	41.6	40.3	40.7	11.67	11.74	11.87	485.47	473.12	483.11
Binghamton	40.7	38.5	39.2	9.62	9.85	9.51	391.53	379.23	372.79
Buffalo	41.7	40.6	40.7	13.52	13.19	13.39	563.78	535.51	544.97
Elmira	40.3	40.1	41.4	9.58	10.29	10.28	386.07	412.63	425.59
Nassau-Suffolk	40.0	40.0	39.7	11.70	11.89	11.99	468.00	475.60	476.00
New York PMSA	37.4	37.1	37.6	10.31	10.39	10.34	385.59	385.47	388.78
New York City	37.0	36.9	37.5	10.17	10.34	10.28	376.29	381.55	385.50
Niagara Falls	40.5	40.2	39.9	14.02	13.81	14.16	567.81	555.16	564.98
Orange County	39.2	39.0	40.1	9.28	9.71	9.66	363.78	378.69	387.37
Poughkeepsie	40.1	40.1	39.9	11.09	10.89	11.04	444.71	436.69	440.50
Rochester	42.4	41.5	41.3	12.67	13.00	13.09	537.21	539.50	540.62
Rockland County	40.1	39.6	39.8	8.67	10.03	9.76	347.67	397.19	388.45
Syracuse	41.2	40.3	40.1	11.99	12.41	12.17	493.99	500.12	488.02
Utica-Rome	41.2	39.4	40.0	10.34	10.54	10.59	426.01	415.28	423.60
Westchester County	39.5	38.3	38.6	12.06	11.05	11.11	476.37	423.22	428.85
North Carolina	39.6	38.5	39.0	8.69	9.01	9.06	344.12	346.89	353.34
Asheville	41.1	39.2	40.7	8.60	8.94	8.95	353.46	350.45	364.27
Charlotte-Gastonia-Rock Hill	39.3	38.0	38.8	9.25	9.71	9.70	363.53	368.98	376.36
Greensboro-Winston-Salem-High Point	38.5	38.5	38.7	9.33	9.63	9.74	359.21	370.76	376.94
Raleigh-Durham	42.1	41.3	41.4	9.85	10.24	10.31	414.69	422.91	426.83
North Dakota	38.5	40.0	39.2	8.94	8.90	8.95	344.19	356.00	350.84
Fargo-Moorhead	35.6	37.8	37.7	8.79	8.74	8.79	312.92	330.37	331.38
Ohio	42.3	41.2	41.5	12.51	12.76	12.86	529.17	525.71	533.69
Akron	42.7	41.4	41.8	11.71	11.70	11.90	500.02	484.38	497.42
Canton	42.1	41.5	41.9	11.22	11.24	11.26	472.36	466.46	471.79
Cincinnati	43.3	42.0	42.0	11.91	12.28	12.28	515.70	515.76	515.76
Cleveland	43.0	41.3	41.5	12.16	12.02	12.24	522.88	496.43	507.96
Columbus	41.6	41.3	42.0	12.31	12.69	12.86	512.10	524.10	540.12
Dayton-Springfield	41.9	40.6	41.0	13.22	13.44	13.48	553.92	545.66	552.68
Toledo	43.6	42.2	42.4	13.50	13.30	13.01	588.60	561.26	551.62
Youngstown-Warren	41.9	42.0	42.1	14.23	15.37	15.33	596.24	645.54	645.39

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		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Oklahoma	41.6	41.4	40.5	\$10.96	\$10.81	\$10.95	\$455.94	\$447.53	\$443.48
Oklahoma City	40.9	44.5	41.3	12.53	11.59	12.30	512.48	515.76	507.99
Tulsa	41.6	40.9	41.3	11.37	11.64	11.60	472.99	476.08	479.08
Oregon	39.5	39.0	38.9	11.04	11.44	11.45	436.08	446.16	445.41
Eugene-Springfield	40.1	37.3	37.1	10.97	11.08	11.14	439.90	413.28	413.29
Medford	39.1	38.2	37.5	10.86	11.09	11.24	424.63	423.64	421.50
Portland	40.0	39.9	40.1	11.23	11.69	11.68	449.20	466.43	468.37
Salem	37.8	36.8	36.5	9.93	10.21	10.09	375.35	375.73	368.29
Pennsylvania	40.6	40.1	40.2	10.95	11.22	11.26	444.57	449.92	452.65
Allentown-Bethlehem	39.9	39.5	39.4	11.01	11.28	11.39	439.30	445.56	448.77
Altoona	39.0	38.7	39.8	9.40	9.30	9.30	366.60	359.91	370.14
Beaver County	43.2	43.2	43.4	10.92	11.35	11.24	471.74	490.32	487.82
Erie	44.1	42.5	41.9	11.36	11.84	11.87	500.98	503.20	497.35
Harrisburg-Lebanon-Carlisle	40.2	38.6	38.3	11.09	11.30	11.26	445.82	436.18	431.26
Johnstown	38.0	38.6	38.7	8.51	8.72	8.74	323.38	336.59	338.24
Lancaster	39.9	38.8	39.1	10.84	11.13	11.23	432.52	431.84	439.09
Philadelphia PMSA	40.1	40.1	40.1	11.91	12.20	12.28	477.59	489.22	492.43
Pittsburgh	41.5	40.7	41.0	11.37	11.45	11.53	471.86	466.02	472.73
Reading	41.1	40.2	40.4	11.46	11.70	11.76	471.01	470.34	475.10
Scranton-Wilkes-Barre	39.1	38.6	39.3	9.55	9.92	9.91	373.41	382.91	389.46
Sharon	42.7	41.8	41.9	11.91	12.21	12.19	508.56	510.38	510.76
State College	39.9	38.6	39.3	9.65	9.92	9.81	385.04	382.91	385.53
Williamsport	39.4	40.0	40.5	9.60	10.84	10.91	378.24	433.60	441.86
York	41.4	41.2	40.8	10.46	10.81	11.03	433.04	445.37	450.02
Rhode Island	39.7	40.1	39.6	9.33	9.71	9.76	370.40	389.37	386.50
Pawtucket-Woonsocket-Attleboro	39.5	39.6	39.4	8.76	9.00	9.08	346.02	356.40	357.75
Providence	39.3	39.2	39.3	8.86	9.82	9.92	348.20	384.94	389.86
South Carolina	41.0	40.6	40.8	8.76	9.04	9.07	359.16	367.02	370.06
Charleston	40.9	40.4	40.2	9.12	9.29	9.37	373.01	375.32	376.67
Columbia	41.6	40.7	40.9	8.96	9.24	9.28	372.74	376.07	379.55
Greenville-Spartanburg	40.7	40.4	40.3	8.71	9.02	9.03	354.50	364.41	363.91
South Dakota	40.5	40.3	39.6	8.46	8.75	8.77	342.63	352.63	347.29
Rapid City	41.7	37.6	39.3	9.48	9.05	9.05	395.32	340.28	355.67
Sioux Falls	42.5	41.0	42.7	8.73	9.08	9.14	371.03	372.28	390.28
Tennessee	38.1	38.6	39.0	9.34	9.77	9.76	355.85	377.12	380.64
Chattanooga	39.8	40.1	40.9	8.62	8.87	8.86	343.08	355.69	362.37
Johnson City-Kingsport-Bristol	40.3	40.6	40.4	9.13	10.44	10.45	367.94	423.86	422.18
Knoxville	37.5	38.1	38.8	8.72	9.77	10.01	327.00	372.24	388.39
Memphis	40.2	40.2	40.6	9.56	10.30	10.29	384.31	414.06	417.77
Nashville	37.9	40.3	40.6	10.78	11.06	11.09	408.56	445.72	450.25
Texas	41.5	41.3	41.5	10.41	10.69	10.77	432.02	441.50	446.96
Dallas	41.5	41.0	41.4	10.29	10.45	10.54	427.04	428.45	436.36
Ft. Worth-Arlington	41.5	40.2	40.2	11.29	11.31	11.34	468.54	454.66	455.87
Houston	44.0	44.8	45.3	12.04	12.39	12.61	529.76	555.07	571.23
San Antonio	40.5	39.7	39.3	7.63	8.14	8.12	309.02	323.16	319.12
Utah	39.6	39.4	39.4	10.28	10.47	10.44	407.09	412.52	411.34
Salt Lake City-Ogden	40.0	39.2	39.4	10.23	10.71	10.74	409.20	419.83	423.16
Vermont	41.0	40.9	40.9	10.42	10.90	10.96	427.22	445.81	448.26
Burlington	41.2	39.3	39.1	11.05	11.38	11.41	455.26	447.23	446.13
Virginia	40.4	39.4	39.3	9.97	10.25	10.28	402.79	403.85	404.00
Bristol	38.0	40.3	41.3	8.40	8.83	8.64	319.20	355.85	356.83
Charlottesville	42.1	39.2	38.8	8.84	8.91	9.00	372.16	349.27	349.20
Danville	41.4	40.8	40.6	9.55	9.98	10.12	395.37	407.18	410.87
Lynchburg	41.3	39.5	39.6	9.76	9.77	9.89	403.09	385.92	391.64
Northern Virginia	41.4	38.4	38.8	11.08	11.71	11.74	458.71	449.66	455.51
Richmond-Petersburg	42.3	41.8	41.0	12.81	13.40	13.50	541.86	560.12	553.50
Roanoke	40.5	40.6	40.5	11.89	12.26	12.40	481.55	497.76	502.20
Washington	40.4	39.4	40.0	12.53	13.18	13.16	506.21	519.29	526.40

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		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
West Virginia	40.5	40.5	40.2	\$11.29	\$11.55	\$11.49	\$457.25	\$467.78	\$461.90
Charleston	43.8	43.1	44.0	13.58	13.68	13.68	594.80	589.61	601.92
Huntington-Ashland	41.4	39.4	39.2	13.10	13.20	13.36	542.34	520.08	523.71
Parkersburg-Marietta	40.9	40.7	40.7	12.95	13.77	13.68	529.66	560.44	556.78
Wheeling	41.3	39.1	41.6	13.58	13.87	13.78	560.85	542.32	573.25
Wisconsin	41.5	40.8	40.7	11.09	11.34	11.37	460.24	462.67	462.76
Appleton-Oshkosh	43.0	42.2	42.3	11.88	12.24	12.28	510.84	516.53	519.44
Eau Claire	45.0	44.7	44.4	10.69	12.49	12.42	481.05	558.30	551.45
Green Bay	41.0	42.7	41.7	12.04	12.25	12.43	493.64	523.08	518.33
Janesville-Beloit	41.5	45.3	42.9	12.82	13.60	13.70	532.03	616.08	587.73
Kenosha	41.9	39.5	39.1	11.70	11.30	11.25	490.23	446.35	439.88
La Crosse	39.1	41.4	42.4	9.71	10.06	9.90	379.66	416.48	419.76
Madison	40.6	41.5	41.3	10.44	10.76	10.76	423.86	446.54	444.39
Milwaukee	41.8	40.9	41.0	11.88	12.11	12.11	496.58	495.30	496.51
Racine	39.2	38.8	39.5	11.21	12.03	11.94	439.43	466.76	471.63
Sheboygan	40.8	40.2	39.6	10.86	11.10	11.00	443.09	446.22	435.60
Wausau	42.2	40.2	41.6	10.91	11.16	11.10	460.40	448.63	461.76
Wyoming	39.9	38.7	38.2	10.95	10.45	10.76	436.91	404.42	411.03
Puerto Rico	39.2	39.3	39.8	5.95	6.23	6.29	233.24	244.84	250.34
Virgin Islands	41.4	41.6	40.9	11.56	12.02	12.34	478.58	500.03	504.71

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 1990 benchmarks.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	Feb. 1991 ^r	Mar. 1991 ^r	Apr. 1991 ^p	Apr. 1990 to Apr. 1991 ^p	Feb. 1991 to Mar. 1991 ^r	Mar. 1991 to Apr. 1991 ^p
Total	202,032	201,051	200,564	-1.1	-0.5	-0.2
Private sector	165,159	164,164	163,790	-2.2	-.6	-.2
Mining	1,728	1,712	1,689	2.0	-.9	-1.3
Construction	9,712	9,344	9,397	-8.0	-3.8	.6
Manufacturing	38,853	38,585	38,569	-5.2	-.7	.0
Durable goods	22,562	22,354	22,367	-7.0	-.9	.1
Nondurable goods	16,291	16,231	16,202	-2.6	-.4	-.2
Transportation and public utilities	11,698	11,674	11,668	-1.0	-.2	-.1
Wholesale trade	12,391	12,386	12,324	-2.2	.0	-.5
Retail trade	29,096	29,109	28,747	-3.6	.0	-1.2
Finance, insurance, and real estate	12,704	12,670	12,675	-1.0	-.3	.0
Services	48,978	48,683	48,720	1.7	-.6	.1
Government	36,873	36,887	36,774	4.0	.0	-.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

(1982=100)

Item	Annual average		Quarterly index										
	1989	1990 ^r	1988		1989				1990				1991
			III	IV	I	II	III	IV	I	II	III	IV ^r	
Business sector													
Output per hour of all persons	112.6	111.9	113.6	113.1	113.0	113.0	112.6	111.9	111.7	111.9	112.1	111.8	112.0
Output	135.8	136.1	133.8	134.5	135.6	135.9	136.1	135.5	136.0	136.4	136.5	135.4	134.0
Hours	120.5	121.6	117.8	118.8	120.0	120.2	120.9	121.0	121.7	121.9	121.8	121.1	119.7
Compensation per hour	132.9	137.7	129.7	130.8	131.8	132.7	133.1	133.8	135.3	137.0	138.6	139.8	141.1
Real compensation per hour	103.4	101.7	105.1	104.8	104.4	103.5	103.0	102.5	101.8	102.2	101.7	100.8	100.9
Unit labor costs	117.9	123.1	114.2	115.6	116.7	117.4	118.2	119.5	121.1	122.5	123.6	125.0	126.0
Unit nonlabor payments	133.1	136.8	128.8	130.2	130.9	133.3	133.9	134.5	135.5	137.0	137.8	136.7	139.8
Implicit price deflator	122.8	127.5	118.9	120.3	121.2	122.5	123.3	124.3	125.8	127.2	128.2	128.8	130.4
Nonfarm business sector													
Output per hour of all persons	111.7	110.8	112.8	112.9	112.1	112.0	111.7	111.0	110.7	110.7	110.9	110.7	111.0
Output	136.7	136.9	134.8	136.0	136.4	136.8	137.1	136.3	136.8	137.2	137.4	136.1	134.8
Hours	122.3	123.6	119.5	120.5	121.7	122.2	122.7	122.8	123.7	123.9	123.9	123.0	121.5
Compensation per hour	131.9	136.6	128.8	130.0	131.0	131.6	132.1	132.9	134.2	135.8	137.4	138.7	140.1
Real compensation per hour	102.7	100.8	104.3	104.2	103.8	102.7	102.3	101.9	101.0	101.3	100.8	100.0	100.2
Unit labor costs	118.1	123.3	114.2	115.2	116.9	117.5	118.3	119.7	121.3	122.7	123.9	125.3	126.2
Unit nonlabor payments	133.8	137.3	128.8	132.1	131.0	134.0	134.8	135.4	135.7	137.5	138.3	137.7	140.6
Implicit price deflator	123.0	127.7	118.8	120.5	121.4	122.7	123.5	124.7	125.8	127.3	128.4	129.2	130.8
Manufacturing¹													
Output per hour of all persons	133.3	136.8	133.4	133.3	133.3	133.7	132.9	133.5	135.1	136.1	137.9	137.5	137.2
Output	146.4	147.0	146.1	147.1	147.1	147.1	146.0	145.3	145.9	147.5	148.8	145.7	141.7
Hours	109.8	107.4	109.5	110.3	110.4	110.0	109.9	108.8	108.0	108.3	107.9	106.0	103.3
Compensation per hour	127.7	132.0	123.6	125.0	126.7	127.1	128.2	128.9	129.7	131.2	132.5	134.0	135.1
Real compensation per hour	99.4	97.4	100.1	100.2	100.3	99.1	99.2	98.8	97.6	97.8	97.2	96.7	96.6
Unit labor costs	95.8	96.5	92.6	93.8	95.1	95.0	96.4	96.6	96.0	96.4	96.1	97.5	98.5
Durable goods¹													
Output per hour of all persons	145.5	150.3	143.8	144.4	144.4	146.2	145.7	145.5	147.2	149.6	152.3	151.2	150.9
Output	161.0	161.4	159.6	161.7	161.7	162.2	161.0	159.1	159.7	162.6	164.3	159.1	153.7
Hours	110.7	107.4	111.0	112.0	112.0	110.9	110.5	109.3	108.5	108.7	107.9	105.2	101.9
Compensation per hour	126.4	130.4	121.7	123.4	125.3	125.7	127.0	127.6	128.1	129.5	131.0	132.6	133.7
Real compensation per hour	98.4	96.3	98.6	98.9	99.2	98.1	98.3	97.8	96.4	96.6	96.1	95.6	95.6
Unit labor costs	86.9	86.8	84.7	85.5	86.8	86.0	87.2	87.7	87.0	86.5	86.0	87.7	88.6
Nondurable goods¹													
Output per hour of all persons	116.9	118.9	119.3	118.2	118.0	116.9	115.6	117.3	118.8	118.1	118.7	119.4	119.3
Output	126.9	127.7	128.1	127.6	127.6	127.1	126.1	126.9	127.6	127.4	128.0	127.8	125.6
Hours	108.5	107.4	107.4	107.9	108.1	108.7	109.0	108.1	107.4	107.9	107.9	107.0	105.3
Compensation per hour	129.6	134.6	126.3	127.4	128.5	129.1	130.0	131.1	132.2	134.0	135.1	136.7	138.0
Real compensation per hour	100.9	99.4	102.3	102.1	101.8	100.7	100.6	100.5	99.6	99.9	99.1	98.6	98.7
Unit labor costs	110.8	113.3	105.9	107.8	108.9	110.5	112.4	111.7	111.3	113.5	113.8	114.5	115.7
Nonfinancial corporations													
Output per all-employee hour	111.6	110.4	113.4	113.0	111.9	111.6	111.8	110.5	110.1	110.6	110.3	110.4	(²)
Output	136.4	136.2	135.4	136.3	136.2	136.4	137.1	135.9	136.0	136.9	136.6	135.2	(²)
Hours	122.2	123.3	119.4	120.6	121.7	122.2	122.7	123.0	123.5	123.8	123.9	122.5	(²)
Compensation per hour	129.3	133.6	125.9	126.9	128.3	128.8	129.3	130.0	130.9	133.0	134.4	135.7	(²)
Real compensation per hour	100.6	98.6	102.0	101.7	101.6	100.5	100.1	99.6	98.5	99.2	98.6	97.9	(²)
Total unit costs	114.7	120.2	109.7	110.9	112.7	114.1	115.0	117.0	118.1	119.1	120.9	122.4	(²)
Unit labor costs	115.8	121.0	111.1	112.3	114.6	115.4	115.7	117.6	118.9	120.2	121.9	122.9	(²)
Unit nonlabor costs	111.8	118.0	106.0	107.3	108.0	110.6	113.3	115.2	116.2	116.2	118.6	121.2	(²)
Unit profits	157.9	144.1	171.4	179.1	162.3	162.9	159.3	147.2	147.6	153.9	143.1	131.6	(²)
Implicit price deflator	117.4	121.7	113.5	115.2	115.9	117.1	117.8	118.9	120.0	121.3	122.3	123.0	(²)

¹ Measures of productivity, output and unit labor costs were revised in the manufacturing sector.

² Not available.

^p = preliminary.

^r = revised.

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

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	IV 1989	I 1990	II 1990	III 1990	IV 1990 ¹	I 1991 ²	IV 1989	I 1990	II 1990	III 1990	IV 1990 ¹	I 1991 ²
Business sector												
Output per hour of all persons	-2.3	-0.9	0.6	0.9	-1.2	0.7	-1.1	-1.2	-1.0	-0.4	-0.1	0.3
Output	-1.8	1.4	1.2	.5	-3.4	-4.0	.8	.3	.3	.3	-.1	-1.4
Hours .....	.4	2.3	.5	-.4	-2.2	-4.6	1.9	1.4	1.4	.7	.1	-1.7
Compensation per hour	2.2	4.5	5.4	4.6	3.5	3.7	2.3	2.6	3.3	4.2	4.5	4.3
Real compensation per hour	-1.8	-2.7	1.4	-2.1	-3.2	.2	-2.2	-2.5	-1.3	-1.3	-1.7	-1.0
Unit labor costs	4.6	5.4	4.7	3.7	4.8	3.0	3.4	3.8	4.4	4.6	4.6	4.0
Unit nonlabor payments	1.7	3.1	4.5	2.4	-3.2	9.2	3.2	3.6	2.8	2.9	1.7	3.1
Implicit price deflator	3.5	4.6	4.6	3.2	2.0	5.1	3.4	3.7	3.8	4.0	3.6	3.7
Nonfarm business sector												
Output per hour of all persons	-2.5	-1.3	.3	.6	-.7	1.0	-1.6	-1.3	-1.1	-.7	-.3	.3
Output	-2.1	1.4	1.2	.4	-3.6	-3.9	.3	.3	.3	.2	-.1	-1.5
Hours .....	.5	2.8	.9	-.2	-2.8	-4.9	1.9	1.6	1.4	1.0	.1	-1.8
Compensation per hour	2.3	3.9	5.0	4.7	3.9	4.0	2.2	2.4	3.2	4.0	4.4	4.4
Real compensation per hour	-1.6	-3.2	1.0	-2.0	-2.9	.5	-2.2	-2.6	-1.3	-1.5	-1.8	-.9
Unit labor costs	5.0	5.3	4.7	4.1	4.7	3.0	3.9	3.7	4.4	4.8	4.7	4.1
Unit nonlabor payments	1.7	1.0	5.2	2.6	-1.7	8.7	2.5	3.6	2.6	2.6	1.7	3.6
Implicit price deflator	3.9	3.8	4.8	3.6	2.5	4.9	3.4	3.7	3.8	4.0	3.7	3.9
Manufacturing¹												
Output per hour of all persons	1.8	4.9	3.1	5.4	-1.3	-.9	.1	1.4	1.8	3.8	3.0	1.5
Output	-2.0	1.8	4.3	3.5	-8.1	-10.5	-1.2	-.8	.2	1.9	.3	-2.9
Hours	-3.7	-2.9	1.2	-1.7	-6.9	-9.7	-1.3	-2.1	-1.5	-1.8	-2.6	-4.4
Compensation per hour	2.4	2.3	4.7	4.0	4.7	3.4	3.1	2.4	3.2	3.3	3.9	4.2
Real compensation per hour	-1.6	-4.8	.8	-2.7	-2.1	-.1	-1.4	-2.7	-1.3	-2.1	-2.2	-1.0
Unit labor costs .....	.6	-2.5	1.6	-1.3	6.1	4.4	3.0	1.0	1.4	-.4	.9	2.7
Durable goods¹												
Output per hour of all persons	-.5	4.8	6.6	7.5	-2.9	-.9	.8	2.0	2.3	4.5	3.9	2.5
Output	-4.7	1.6	7.3	4.3	-12.1	-12.9	-1.6	-1.2	.3	2.0	.0	-3.8
Hours	-4.1	-3.1	.7	-3.0	-9.5	-12.2	-2.3	-3.1	-2.0	-2.4	-3.8	-6.1
Compensation per hour	1.8	1.5	4.4	4.6	5.0	3.5	3.4	2.2	3.0	3.1	3.9	4.4
Real compensation per hour	-2.1	-5.5	.5	-2.1	-1.8	.0	-1.1	-2.8	-1.5	-2.3	-2.2	-.9
Unit labor costs	2.4	-3.1	-2.0	-2.7	8.1	4.4	2.6	.2	.7	-1.4	.0	1.9
Nondurable goods¹												
Output per hour of all persons	5.9	5.2	-2.4	2.2	2.3	-.4	-.8	.6	1.0	2.7	1.8	.4
Output	2.5	2.3	-.6	2.1	-.9	-6.5	-.6	.0	.2	1.6	.7	-1.5
Hours	-3.2	-2.7	1.8	.0	-3.1	-6.2	.2	-.7	-.8	-1.1	-1.0	-1.9
Compensation per hour	3.4	3.6	5.4	3.3	4.9	3.9	2.9	2.9	3.7	3.9	4.3	4.4
Real compensation per hour	-.5	-3.5	1.4	-3.3	-1.9	.3	-1.6	-2.2	-.8	-1.5	-1.9	-.9
Unit labor costs	-2.3	-1.5	8.0	1.1	2.6	4.3	3.7	2.2	2.7	1.2	2.5	4.0
Nonfinancial corporations												
Output per all-employee hour	-4.6	-1.5	1.9	-1.0	.4	(²)	-2.2	-1.7	-1.0	-1.3	-.1	(²)
Output	-3.6	.2	2.8	-.8	-4.1	(²)	-.3	-.2	.4	-.4	-.5	(²)
Hours	1.1	1.8	.9	.2	-4.5	(²)	2.0	1.5	1.3	1.0	-.4	(²)
Compensation per hour	1.9	2.8	6.6	4.4	3.9	(²)	2.5	2.0	3.2	3.9	4.4	(²)
Real compensation per hour	-2.0	-4.3	2.6	-2.3	-2.9	(²)	-2.0	-3.0	-1.3	-1.5	-1.7	(²)
Total unit costs	6.9	4.1	3.4	6.3	5.0	(²)	5.5	4.8	4.4	5.1	4.7	(²)
Unit labor costs	6.9	4.4	4.6	5.5	3.4	(²)	4.8	3.8	4.2	5.3	4.5	(²)
Unit nonlabor costs	6.9	3.3	.2	8.3	9.1	(²)	7.4	7.6	5.1	4.6	5.2	(²)
Unit profits	-27.1	1.2	18.2	-25.3	-28.4	(²)	-17.8	-9.0	-5.5	-10.2	-10.6	(²)
Implicit price deflator	3.6	3.9	4.5	3.4	2.2	(²)	3.2	3.6	3.6	3.8	3.5	(²)

¹ Measures of productivity, output and unit labor costs were revised in the manufacturing sector.

² Not available.

^P = preliminary.

^r = revised.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P	Mar. 1990	Feb. 1991	Mar. 1991P
Alabama	1,883.8	1,891.9	1,903.5	129.3	140.7	141.2	6.9	7.4	7.4
Birmingham	437.7	439.8	442.2	24.2	25.2	25.7	5.5	5.7	5.8
Huntsville	132.1	133.7	133.9	6.1	8.2	8.7	4.6	6.2	6.5
Mobile	207.2	210.9	212.9	13.6	14.2	15.0	6.6	6.7	7.1
Montgomery	136.2	137.3	138.2	7.9	8.4	9.2	5.8	6.2	6.6
Tuscaloosa	72.9	73.6	73.6	2.9	4.1	4.0	4.0	5.6	5.4
Alaska	251.0	250.2	252.4	20.1	22.0	21.2	8.0	8.8	8.4
Arizona	1,704.9	1,700.0	1,708.1	89.2	88.3	83.3	5.2	5.2	4.9
Phoenix	1,059.4	1,058.2	1,060.6	46.1	47.3	45.2	4.4	4.5	4.3
Tucson	308.0	310.9	314.5	12.7	11.6	10.9	4.1	3.7	3.5
Arkansas	1,127.4	1,127.1	1,109.0	82.7	84.4	88.6	7.3	7.5	8.0
Fayetteville-Springdale	63.8	64.1	62.6	2.3	2.1	2.3	3.6	3.2	3.7
Fort Smith	92.2	92.4	90.6	7.2	8.5	8.2	7.8	9.2	9.0
Little Rock-North Little Rock	266.7	269.0	263.0	15.9	15.1	16.8	6.0	5.6	6.3
Pine Bluff	37.0	36.9	36.7	3.0	3.7	4.0	8.1	10.1	10.9
California ¹	14,545.3	14,722.1	14,570.8	785.9	1,143.3	1,126.5	5.3	7.8	7.7
Anaheim-Santa Ana	1,382.3	1,376.5	1,392.0	35.3	65.6	65.0	2.6	4.8	4.7
Bakersfield	226.4	235.5	229.8	25.7	31.5	34.1	11.4	13.4	14.9
Fresno	296.0	320.1	311.5	35.7	47.6	49.5	12.1	14.9	15.9
Los Angeles-Long Beach ¹	4,437.0	4,479.0	4,459.0	262.0	329.0	307.0	5.9	7.4	6.9
Modesto	156.1	185.6	160.5	18.2	27.4	27.5	11.6	16.5	17.1
Oakland	1,080.7	1,093.0	1,072.9	38.2	60.4	60.7	3.5	5.5	5.7
Oxnard-Ventura	372.0	368.6	361.5	14.7	26.4	25.1	4.0	7.2	6.9
Riverside-San Bernardino	1,054.7	1,102.9	1,086.7	52.8	103.8	99.1	5.0	9.4	9.1
Sacramento	731.7	736.7	725.9	31.4	52.6	54.0	4.3	7.1	7.4
Salinas-Seaside-Monterey	155.3	160.2	158.8	15.9	25.2	23.3	10.3	15.7	14.7
San Diego	1,169.9	1,166.8	1,148.9	41.0	73.9	73.0	3.5	6.3	6.4
San Francisco	870.0	866.5	853.4	24.0	38.5	38.3	2.8	4.4	4.5
San Jose	815.1	809.3	788.4	27.8	45.6	46.1	3.4	5.6	5.8
Santa Barbara-Santa Maria-Lompoc	178.7	177.6	176.2	7.7	11.8	12.3	4.3	6.5	7.0
Santa Rosa-Petaluma	204.5	214.0	212.8	7.9	13.3	14.2	3.9	6.2	6.7
Stockton	190.9	196.6	193.6	18.0	27.3	27.3	9.4	13.9	14.1
Vallejo-Fairfield-Napa	194.4	199.5	196.9	9.4	14.5	15.3	4.8	7.3	7.8
Colorado	1,716.1	1,774.4	1,788.5	94.1	108.0	113.9	5.5	6.1	6.4
Boulder-Longmont	136.3	138.7	138.5	5.6	5.8	6.4	4.1	4.2	4.6
Denver	871.4	903.5	898.9	44.1	49.2	52.8	5.1	5.4	5.9
Connecticut	1,788.3	1,757.1	1,768.5	94.9	104.9	100.0	5.3	6.0	5.7
Bridgeport-Milford	232.7	227.6	228.2	15.4	15.6	15.2	6.6	6.8	6.6
Hartford	436.8	430.0	429.3	20.3	23.0	22.1	4.6	5.3	5.2
New Britain	74.8	73.0	73.7	4.8	5.7	5.5	6.5	7.8	7.4
New Haven-Meriden	289.3	282.8	284.7	14.4	15.9	15.1	5.0	5.6	5.3
Stamford	113.2	112.6	113.4	3.9	4.6	4.3	3.4	4.1	3.8
Waterbury	103.2	101.1	101.5	8.0	9.3	8.8	7.8	9.2	8.6
Delaware	360.8	364.7	365.5	16.8	27.7	25.1	4.7	7.6	6.9
Wilmington	314.9	317.5	317.2	14.2	26.6	20.7	4.5	8.4	6.5
District of Columbia	302.5	283.3	285.2	18.9	20.9	19.8	6.3	7.4	6.9
Washington	2,207.4	2,167.4	2,185.4	63.0	98.5	92.5	2.9	4.5	4.2
Florida ¹	6,345.4	6,310.5	6,410.2	318.3	444.4	444.1	5.0	7.0	6.9
Daytona Beach	161.7	162.0	184.7	7.8	11.1	11.0	4.8	6.9	6.7
Fort Lauderdale-Hollywood-Pompano Beach	661.1	653.5	661.7	30.1	45.2	47.1	4.6	6.9	7.1
Fort Myers-Cape Coral	153.0	157.8	161.1	5.0	9.0	9.2	3.2	5.7	5.7
Gainesville	108.3	106.5	108.2	2.9	4.6	4.7	2.7	4.3	4.4
Jacksonville	452.4	449.4	454.8	22.6	30.1	29.9	5.0	6.7	6.6
Lakeland-Winter Haven	183.1	182.1	180.1	15.8	16.1	15.0	8.6	8.9	8.3
Melbourne-Titusville-Palm Bay	194.0	190.0	193.9	9.2	13.9	13.7	4.7	7.3	7.0
Miami-Hialeah	950.5	936.5	950.2	52.6	78.7	79.9	5.5	8.4	8.4
Orlando	632.2	624.9	634.8	27.7	39.8	40.2	4.4	6.4	6.3
Pensacola	147.9	145.1	147.3	7.3	9.7	9.3	4.9	6.7	6.3
Sarasota	125.6	126.9	128.3	4.2	6.3	5.9	3.4	5.0	4.6
Tallahassee	135.3	135.5	136.2	4.7	7.7	5.9	3.5	5.7	4.3
Tampa-St. Petersburg-Clearwater	1,017.1	1,009.5	1,027.7	44.3	62.4	64.4	4.4	6.2	6.3
West Palm Beach-Boca Raton-Delray Beach	433.2	431.9	438.3	22.9	30.1	30.5	5.3	7.0	7.0

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		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Georgia	3,193.5	3,202.0	3,174.5	147.9	224.2	177.4	4.6	7.0	5.6
Albany	53.3	54.7	54.1	3.1	3.8	3.0	5.8	7.0	5.6
Athens	77.0	76.2	75.4	2.9	4.3	3.3	3.8	5.6	4.4
Atlanta	1,512.5	1,514.5	1,504.3	64.3	96.2	78.9	4.2	6.4	5.2
Augusta	195.1	197.4	195.9	6.9	11.3	9.4	3.5	5.7	4.8
Columbus	99.4	99.6	99.4	5.0	6.2	5.4	5.0	6.2	5.5
Macon-Warner Robins	133.2	134.4	133.8	5.9	7.3	5.9	4.4	5.4	4.4
Savannah	114.7	118.4	117.4	4.9	6.4	5.1	4.3	5.4	4.3
Hawaii	540.7	553.7	554.6	17.0	13.9	14.3	3.1	2.5	2.6
Honolulu	395.7	401.6	402.1	11.7	9.1	9.3	3.0	2.3	2.3
Idaho	494.3	492.0	496.7	33.9	38.2	37.6	6.9	7.8	7.6
Boise City	118.7	119.1	120.2	4.8	5.5	5.4	4.0	4.6	4.5
Illinois ¹	5,948.4	6,038.0	6,040.6	353.9	384.9	427.8	5.9	6.4	7.1
Aurora-Elgin	187.3	191.8	192.7	10.9	13.3	14.5	5.8	7.0	7.5
Bloomington-Normal	75.3	77.6	76.0	3.0	3.3	3.6	4.0	4.2	4.7
Champaign-Urbana-Rantoul	91.8	94.1	93.9	3.3	3.9	4.1	3.6	4.1	4.4
Chicago	3,296.6	3,296.5	3,298.5	182.6	192.2	217.6	5.6	5.8	6.6
Davenport-Rock Island-Moline	178.8	182.2	182.4	10.7	12.2	13.3	6.0	6.7	7.3
Decatur	59.1	60.5	60.1	4.0	4.4	4.7	6.8	7.3	7.9
Joliet	206.0	208.9	209.1	13.8	15.3	16.7	6.7	7.3	8.0
Kankakee	46.8	48.0	48.1	3.4	3.7	4.0	7.2	7.7	8.4
Lake County	301.7	306.7	307.1	11.3	14.0	15.0	3.7	4.6	4.9
Peoria	163.8	166.0	165.5	9.4	9.7	11.3	5.7	5.9	6.8
Rockford	152.8	156.5	156.1	9.2	13.0	15.5	6.0	8.3	9.9
Springfield	112.7	115.8	114.4	4.8	5.2	5.4	4.2	4.5	4.7
Indiana	2,821.9	2,802.3	2,822.4	168.5	201.8	206.3	6.0	7.2	7.3
Anderson	59.6	59.3	60.1	4.0	5.2	6.5	6.7	8.8	10.8
Bloomington	60.7	60.9	60.2	2.3	2.4	2.2	3.8	3.9	3.6
Elkhart-Goshen	93.6	91.6	92.0	5.0	7.8	7.5	5.4	8.5	8.1
Evansville	143.8	141.6	141.8	9.5	9.6	8.8	6.6	6.8	6.2
Fort Wayne	202.2	198.5	200.0	11.5	14.9	15.8	5.7	7.5	7.9
Gary-Hammond	262.6	258.1	257.5	17.2	18.4	18.1	6.5	7.1	7.0
Indianapolis	663.6	680.3	684.7	28.3	38.3	39.2	4.3	5.6	5.7
Kokomo	46.9	46.1	49.0	2.8	5.8	6.8	5.9	12.2	13.9
Lafayette-West Lafayette	69.6	67.8	67.2	2.3	2.5	2.1	3.3	3.6	3.1
Muncie	60.5	59.9	61.5	3.5	4.3	6.0	5.8	7.3	9.7
South Bend-Mishawaka	131.5	128.8	129.1	8.9	8.1	8.0	6.8	6.3	6.2
Terre Haute	61.1	60.3	60.6	3.5	3.5	3.8	5.7	5.8	6.3
Iowa	1,494.8	1,506.1	1,503.9	70.8	89.1	83.0	4.7	5.9	5.5
Cedar Rapids	96.9	98.2	98.6	5.7	6.4	6.1	5.9	6.5	6.2
Des Moines	234.8	239.1	240.1	7.8	10.2	9.8	3.3	4.3	4.1
Dubuque	44.7	45.8	46.1	2.5	3.6	3.3	5.7	7.9	7.2
Iowa City	62.8	61.3	62.9	1.0	1.4	1.3	1.7	2.3	2.0
Sioux City	60.9	61.4	61.4	2.3	3.1	3.0	3.7	5.0	4.9
Waterloo-Cedar Falls	72.8	75.1	75.0	3.7	4.8	4.7	5.1	6.3	6.2
Kansas	1,287.3	1,315.1	1,315.3	55.0	70.3	64.4	4.3	5.3	4.9
Lawrence	43.9	45.5	45.3	1.6	1.9	1.7	3.6	4.1	3.9
Topeka	92.8	92.6	92.2	4.0	5.0	4.7	4.4	5.4	5.1
Wichita	255.1	264.2	263.4	11.0	13.0	12.4	4.3	4.9	4.7
Kentucky	1,749.5	1,746.7	1,762.3	110.8	130.3	132.4	6.3	7.5	7.5
Lexington-Fayette	197.8	190.4	193.5	7.6	8.3	8.1	3.9	4.4	4.2
Louisville	513.7	511.3	518.0	27.7	27.8	32.0	5.4	5.4	6.2
Owensboro	44.7	43.8	43.8	2.7	3.2	3.1	6.1	7.3	7.2
Louisiana	1,836.4	1,860.4	1,900.8	116.9	122.3	118.0	6.4	6.6	6.2
Alexandria	57.3	56.5	57.6	3.7	3.9	3.4	6.5	6.9	5.9
Baton Rouge	265.2	268.5	274.7	14.3	14.7	13.9	5.4	5.5	5.0
Houma-Thibodaux	67.1	68.6	70.3	4.1	4.3	3.8	6.1	6.2	5.4
Lafayette	100.8	104.5	107.3	5.1	5.0	4.9	5.1	4.8	4.6
Lake Charles	75.5	77.4	78.9	5.0	5.0	4.6	6.6	6.4	5.9
Monroe	67.8	66.9	68.4	3.9	4.3	3.9	5.8	6.4	5.7
New Orleans	567.1	568.4	582.2	32.6	29.7	29.7	5.8	5.2	5.1
Shreveport	151.0	151.6	155.2	10.0	10.0	12.6	6.6	6.6	8.1
Maine	627.0	636.4	636.9	36.1	56.4	56.6	5.8	8.9	8.9
Lewiston-Auburn	43.3	44.0	43.4	3.2	5.1	5.0	7.3	11.6	11.6
Portland	132.9	132.3	131.2	4.9	8.3	8.5	3.7	6.3	6.5

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Maryland	2,535.7	2,490.7	2,512.3	93.1	160.8	149.9	3.7	6.5	6.0
Baltimore	1,217.1	1,193.7	1,206.0	48.1	83.3	81.4	4.0	7.0	6.8
Massachusetts ¹	3,165.9	3,102.7	3,136.1	188.2	306.8	322.1	5.9	9.9	10.3
Boston	1,570.0	1,525.9	1,539.7	76.3	125.6	132.5	4.9	8.2	8.6
Brockton	100.0	96.9	99.6	7.2	11.6	12.1	7.2	11.8	12.2
Fall River	78.0	78.2	79.0	8.7	12.2	12.8	11.2	15.6	16.3
Fitchburg-Leominster	47.8	45.2	46.3	3.8	6.0	6.2	7.9	13.3	13.4
Lawrence-Haverhill	186.6	184.1	188.0	13.8	20.0	20.8	7.4	10.9	11.2
Lowell	151.0	147.3	149.1	10.2	14.7	15.4	6.8	10.0	10.4
New Bedford	86.3	87.6	88.7	8.8	13.8	14.5	10.2	15.8	16.3
Pittsfield	41.2	41.9	42.2	2.7	5.0	5.3	6.5	11.9	12.7
Springfield	257.1	256.1	259.0	14.4	25.0	26.3	5.6	9.8	10.2
Worcester	221.0	212.5	214.8	13.7	22.2	23.6	6.2	10.5	11.0
Michigan ¹	4,489.0	4,539.1	4,621.2	340.5	464.7	508.2	7.6	10.2	11.0
Ann Arbor	162.7	166.6	169.3	7.2	11.5	10.9	4.4	6.9	6.4
Battle Creek	64.0	64.7	65.9	5.3	6.4	6.6	8.4	10.0	9.9
Benton Harbor	76.0	77.0	78.5	6.0	7.5	8.0	7.9	9.7	10.1
Detroit	2,115.4	2,120.0	2,149.2	154.6	217.1	230.1	7.3	10.2	10.7
Flint	181.0	185.4	193.4	15.8	24.3	33.3	8.7	13.1	17.2
Grand Rapids	370.3	375.1	381.4	21.6	29.0	31.3	5.8	7.7	8.2
Jackson	63.8	65.0	65.4	5.1	7.2	6.9	8.1	11.1	10.6
Kalamazoo	119.1	119.0	121.2	6.6	7.1	7.9	5.5	5.9	6.5
Lansing-East Lansing	238.9	239.5	244.1	13.1	15.2	17.6	5.5	6.3	7.2
Muskegon	67.2	68.1	69.6	6.3	8.4	9.5	9.4	12.4	13.7
Saginaw-Bay City-Midland	180.6	187.3	190.4	13.8	18.5	21.9	7.6	9.9	11.5
Minnesota	2,348.8	2,394.6	2,436.2	129.7	157.0	137.7	5.5	6.6	5.7
Duluth	110.1	113.5	115.8	7.5	9.2	8.2	6.8	8.1	7.0
Minneapolis-St. Paul	1,380.8	1,391.4	1,418.2	61.2	76.2	68.5	4.4	5.5	4.8
Rochester	62.4	65.3	66.6	2.2	2.4	2.0	3.6	3.7	3.1
St. Cloud	100.7	104.1	104.1	7.1	8.3	7.5	7.1	8.0	7.2
Mississippi	1,175.7	1,200.7	1,189.5	66.4	107.4	103.7	7.3	8.9	8.7
Jackson	199.6	201.7	200.5	9.8	12.4	12.4	4.9	6.1	6.2
Missouri	2,618.0	2,666.2	2,692.5	153.5	189.2	181.4	5.9	7.1	6.7
Kansas City	845.1	865.9	873.1	40.3	54.6	48.9	4.8	6.3	5.6
St. Louis LMA	1,259.3	1,275.8	1,266.3	73.7	88.0	88.9	5.9	6.9	6.9
Springfield	128.8	132.1	133.2	5.5	6.8	6.8	4.3	5.2	5.1
Montana	406.7	400.3	405.9	23.0	30.2	35.7	5.7	7.6	8.8
Nebraska	833.0	852.3	857.4	20.4	24.1	23.7	2.4	2.8	2.8
Lincoln	131.0	133.4	134.1	2.4	3.1	2.7	1.8	2.3	2.0
Omaha	337.8	351.1	350.8	9.1	11.0	10.6	2.7	3.1	3.0
Nevada	615.5	650.1	645.2	30.2	39.6	39.5	4.9	6.1	6.1
Las Vegas	378.0	406.0	402.9	17.3	24.8	25.0	4.6	6.1	6.2
Reno	134.6	138.8	137.9	6.9	8.3	8.2	5.1	6.0	6.0
New Hampshire	623.5	629.4	633.8	34.5	43.9	46.6	5.5	7.0	7.4
Manchester	88.6	88.4	88.8	4.8	6.1	6.3	5.4	6.9	7.1
Nashua	100.2	99.0	98.6	5.5	6.2	6.5	5.5	6.2	6.6
Portsmouth-Dover-Rochester	136.4	141.9	142.4	5.4	8.1	8.3	4.0	5.7	5.9
New Jersey ¹	4,048.2	3,962.0	4,003.9	199.0	268.4	280.3	4.9	6.8	7.0
Atlantic City	181.3	177.6	178.4	11.3	18.0	17.9	6.2	10.2	10.1
Bergen-Passaic	713.5	686.7	693.2	32.8	42.9	44.8	4.6	6.2	6.5
Jersey City	276.9	267.7	271.1	21.3	25.0	26.4	7.7	9.4	9.7
Middlesex-Somerset-Hunterdon	590.8	581.8	587.6	20.8	29.5	30.6	3.5	5.1	5.2
Monmouth-Ocean	483.5	472.8	479.3	22.5	32.7	34.1	4.6	6.9	7.1
Newark	958.7	938.0	948.2	50.5	63.8	67.7	5.3	6.8	7.1
Trenton	177.4	173.1	175.4	6.8	10.1	10.5	3.9	5.8	6.0
Vineyard-Millville-Bridgeton	61.3	61.6	62.0	5.2	7.3	7.3	8.4	11.9	11.7
New Mexico	696.8	697.3	702.2	44.7	50.7	52.2	6.4	7.3	7.4
Albuquerque	264.2	262.9	262.6	12.6	14.5	15.2	4.8	5.5	5.8
Las Cruces	58.3	57.8	59.1	4.2	4.7	5.2	7.1	8.2	8.7
Santa Fe	69.2	66.9	70.5	2.3	2.6	2.9	3.4	3.7	4.2

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
New York¹	8,599.5	8,562.3	8,551.8	456.5	566.5	610.8	5.3	6.6	7.1
Albany-Schenectady-Troy	436.5	440.0	433.3	17.4	24.8	25.7	4.0	5.6	5.9
Binghamton	123.3	120.7	118.8	5.9	7.4	7.7	4.8	6.1	6.5
Buffalo	458.6	460.2	454.9	22.9	32.4	33.0	5.0	7.1	7.3
Elmira	44.2	42.3	42.1	2.1	2.9	3.2	4.7	6.9	7.5
Glens Falls	51.7	51.3	51.3	3.6	5.3	5.6	7.0	10.2	10.9
Nassau-Suffolk	1,393.1	1,361.5	1,352.7	49.1	69.8	74.1	3.5	5.1	5.5
New York	3,982.2	3,969.8	4,011.2	247.6	275.5	305.9	6.2	6.9	7.6
New York City ¹	3,318.0	3,315.0	3,382.0	227.0	243.0	272.0	6.8	7.3	8.1
Orange County	134.7	132.2	130.8	8.3	9.0	9.3	4.7	6.8	7.1
Poughkeepsie	128.3	127.2	126.0	3.7	6.3	6.8	2.9	5.0	5.4
Rochester	505.2	505.6	495.9	20.6	25.4	25.9	4.1	5.0	5.2
Syracuse	322.2	325.8	319.1	14.5	21.3	24.0	4.5	6.6	7.5
Utica-Rome	135.9	135.0	133.1	7.2	10.0	10.2	5.3	7.4	7.7
North Carolina¹	3,365.2	3,409.6	3,365.0	120.6	195.4	191.4	3.6	5.7	5.7
Asheville	90.2	91.8	90.8	2.7	4.4	4.3	3.0	4.8	4.8
Charlotte-Gastonia-Rock Hill	640.9	649.1	640.6	19.6	31.1	30.9	3.1	4.8	4.8
Greensboro-Winston-Salem-High Point	519.6	521.8	512.3	17.2	25.5	25.3	3.3	4.9	4.9
Raleigh-Durham	417.4	420.4	414.1	9.0	13.2	13.1	2.1	3.1	3.2
North Dakota	320.9	314.9	318.5	15.5	14.6	13.8	4.8	4.7	4.3
Bismarck	46.5	46.6	47.1	2.2	2.1	2.0	4.8	4.5	4.3
Fargo-Moorhead	86.8	88.9	89.4	2.9	3.6	3.1	3.4	4.1	3.5
Grand Forks	35.6	35.3	35.8	1.3	1.2	1.2	3.7	3.3	3.4
Ohio¹	5,353.0	5,341.4	5,417.4	318.2	409.2	413.9	5.9	7.7	7.6
Akron	327.3	328.0	333.1	18.2	23.3	23.4	5.6	7.1	7.0
Canton	190.5	190.3	192.9	12.9	15.2	16.0	6.8	8.0	8.3
Cincinnati	775.4	773.0	785.3	32.6	38.5	40.6	4.2	5.0	5.2
Cleveland	941.3	931.5	944.3	46.8	60.0	57.1	5.0	6.4	6.0
Columbus	725.6	727.5	736.9	33.8	38.0	38.4	4.7	5.2	5.2
Dayton-Springfield	473.9	468.1	475.7	26.4	31.4	34.7	5.6	6.7	7.3
Toledo	310.8	309.6	314.9	21.9	33.4	36.8	7.1	10.8	11.7
Youngstown-Warren	220.2	217.8	220.7	16.3	19.9	20.6	7.4	9.1	9.3
Oklahoma	1,540.1	1,514.3	1,523.0	86.1	109.0	101.7	5.6	7.2	6.7
Enid	27.4	26.9	27.1	1.3	1.6	1.6	4.7	6.1	5.7
Lawton	48.8	47.1	47.5	2.9	3.3	3.1	5.9	6.9	6.5
Oklahoma City	501.8	484.3	489.4	22.6	28.3	28.0	4.5	5.9	5.7
Tulsa	345.9	339.5	341.3	19.9	24.6	22.6	5.8	7.2	6.6
Oregon	1,440.0	1,475.7	1,473.4	82.2	98.5	93.0	5.7	6.7	6.3
Eugene-Springfield	144.7	148.4	147.6	8.4	10.7	10.4	5.6	7.2	7.1
Medford	70.7	71.7	71.4	5.2	6.7	6.4	7.3	9.3	8.9
Portland	664.6	688.7	688.1	27.5	31.9	31.0	4.1	4.6	4.5
Salem	133.1	136.7	137.2	7.7	8.7	8.1	5.8	6.4	5.9
Pennsylvania¹	5,915.3	5,875.5	5,797.2	316.2	443.4	438.0	5.3	7.5	7.6
Allentown-Bethlehem	336.2	336.9	333.0	18.6	25.3	25.0	5.5	7.5	7.5
Altoona	61.5	61.7	60.9	4.2	6.3	6.2	6.8	10.2	10.2
Beaver County	60.4	60.3	59.1	4.9	6.9	6.5	8.2	11.4	10.9
Erie	134.2	135.4	132.5	7.8	10.4	10.1	5.8	7.7	7.6
Harrisburg-Lebanon-Carlisle	332.3	328.2	324.2	13.5	19.3	19.3	4.1	5.9	5.9
Johnstown	97.1	98.5	97.3	7.8	10.4	10.8	8.1	10.6	11.1
Lancaster	229.3	222.7	222.0	8.7	12.6	13.2	3.8	5.6	5.9
Philadelphia	2,448.9	2,437.3	2,413.5	107.6	159.0	162.0	4.4	6.5	6.7
Pittsburgh	991.7	987.9	973.0	49.7	67.5	64.1	5.0	6.8	6.6
Reading	177.2	173.9	172.2	9.1	13.5	13.4	5.1	7.8	7.8
Scranton-Wilkes-Barre	367.3	365.1	359.2	25.2	34.1	32.8	6.9	9.3	9.1
Sharon	51.8	51.9	51.7	2.6	4.0	4.3	5.0	7.6	8.3
State College	68.3	68.0	66.6	3.5	4.5	4.2	5.1	6.7	8.3
Williamsport	60.8	60.1	59.2	4.4	6.0	5.7	7.2	9.9	9.6
York	226.1	224.3	220.4	11.7	14.2	15.0	5.2	8.3	6.8
Rhode Island	516.9	520.2	520.4	40.1	45.9	44.0	7.8	8.8	8.5
Pawtucket-Woonsocket-Attleboro	168.4	163.9	164.2	14.1	16.3	16.0	8.4	10.0	9.8
Providence	339.9	345.1	345.0	24.8	28.9	27.8	7.3	8.4	8.1
South Carolina	1,718.2	1,711.3	1,721.0	74.0	118.6	106.9	4.3	6.9	6.2
Charleston	234.2	236.9	239.1	7.0	11.1	10.3	3.0	4.7	4.3
Columbia	241.9	240.1	242.5	7.3	11.0	9.9	3.0	4.6	4.1
Greenville-Spartanburg	341.7	338.2	341.1	12.5	18.8	18.9	3.7	5.6	5.5
South Dakota	354.3	357.8	355.7	14.8	14.0	15.5	4.2	3.9	4.4
Rapid City	39.3	39.8	39.1	1.5	1.6	1.7	3.9	4.0	4.3
Sioux Falls	75.6	76.8	75.4	2.5	2.4	2.7	3.3	3.1	3.5

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P	Mar. 1990	Feb. 1991	Mar. 1991 ^P
Tennessee	2,373.7	2,384.5	2,388.1	121.9	161.8	159.2	5.1	6.8	6.7
Chattanooga	209.8	212.5	211.6	9.4	14.2	12.9	4.5	6.7	6.1
Johnson City-Kingsport-Bristol	218.3	219.0	218.6	9.9	13.2	12.6	4.6	6.0	5.8
Knoxville	284.9	281.9	281.6	15.9	18.9	17.6	5.6	6.7	6.2
Memphis	467.5	471.4	472.9	21.0	24.7	23.8	4.5	5.2	5.0
Nashville	528.3	532.2	531.2	19.5	26.4	25.2	3.7	5.0	4.7
Texas¹	8,346.5	8,444.4	8,527.9	472.5	523.0	549.9	5.7	6.2	6.4
Ablene	50.6	50.2	50.7	2.6	2.6	2.8	5.2	5.1	5.6
Amarillo	94.9	94.5	94.8	4.8	4.4	4.7	5.1	4.7	5.0
Austin	430.1	439.3	443.1	17.5	18.4	19.7	4.1	4.2	4.4
Beaumont-Port Arthur	160.6	167.4	169.6	11.0	10.5	10.8	6.8	6.3	6.4
Brazoria	85.4	87.5	88.0	4.3	4.4	4.6	5.0	5.0	5.2
Brownsville-Harlingen	104.0	106.5	108.6	11.6	13.4	13.9	11.2	12.6	12.8
Bryan-College Station	62.3	62.2	63.1	2.0	2.2	2.0	3.2	3.5	3.2
Corpus Christi	161.4	166.4	167.6	9.4	11.5	11.7	5.8	6.9	7.0
Dallas	1,421.7	1,434.1	1,445.6	63.8	74.8	80.7	4.5	5.2	5.6
El Paso	247.1	252.0	253.9	23.6	26.2	27.2	9.6	10.4	10.7
Fort Worth-Arlington	723.3	734.0	738.6	32.2	42.9	46.3	4.5	5.8	6.3
Galveston-Texas City	107.8	107.7	109.6	6.9	7.3	7.5	6.4	6.6	6.9
Houston	1,687.3	1,727.0	1,749.4	76.4	84.3	91.8	4.5	4.9	5.2
Killeen-Temple	96.1	94.8	95.5	6.2	6.5	6.5	6.5	6.9	6.8
Laredo	53.1	54.0	54.2	6.2	6.5	6.5	11.6	12.1	12.0
Longview-Marshall	79.1	78.2	78.8	4.9	6.0	6.1	6.2	7.7	7.7
Lubbock	113.4	115.2	116.1	4.4	5.3	5.9	3.8	4.6	5.1
McAllen-Edinburg-Mission	169.6	166.4	166.9	36.7	34.5	33.1	21.7	20.7	19.8
Midland	47.4	47.6	47.9	2.4	2.2	2.4	5.2	4.7	5.0
Odessa	51.1	51.4	52.1	3.0	2.7	3.1	5.9	5.2	6.0
San Angelo	44.0	43.1	43.4	2.4	1.9	2.1	5.5	4.5	4.8
San Antonio	601.4	599.2	603.0	35.8	37.7	39.0	5.9	6.3	6.5
Sherman-Denison	47.0	47.4	47.5	2.3	2.9	3.1	4.9	6.1	6.4
Texarkana	56.7	56.5	56.2	3.3	3.8	4.2	5.6	6.7	7.4
Tyler	73.3	73.6	74.4	3.9	4.6	4.8	5.3	6.2	6.5
Victoria	35.0	36.1	36.2	1.6	1.7	1.7	4.5	4.7	4.6
Waco	91.0	92.6	93.0	4.3	5.3	5.3	4.8	5.8	5.7
Wichita Falls	54.8	55.0	55.3	2.8	3.6	3.7	5.1	6.5	6.6
Utah	777.1	794.4	797.7	39.4	37.8	37.7	5.1	4.8	4.7
Provo-Orem	114.8	116.6	117.8	4.7	4.8	5.1	4.1	4.1	4.3
Salt Lake City-Ogden	500.4	515.8	517.0	23.9	22.9	22.6	4.8	4.4	4.4
Vermont	308.9	306.9	307.3	15.1	24.3	22.1	4.9	7.9	7.2
Burlington	78.6	76.9	77.1	2.4	4.0	3.7	3.1	5.2	4.8
Virginia	3,144.2	3,224.2	3,231.7	126.7	210.5	201.3	4.0	6.5	6.2
Charlottesville	72.0	73.9	73.8	2.5	3.5	3.5	3.4	4.8	4.8
Danville	52.1	53.8	53.1	3.3	6.3	6.4	6.3	11.7	12.0
Lynchburg	74.1	74.7	74.5	3.3	3.7	3.8	4.5	4.9	5.1
Norfolk-Virginia Beach-Newport News	608.6	622.0	620.7	25.7	42.2	39.4	4.2	6.8	6.4
Richmond-Petersburg	453.7	467.6	487.7	16.8	25.8	24.7	3.7	5.5	5.3
Roanoke	121.1	125.7	125.2	4.2	6.2	6.4	3.4	4.9	5.1
Washington	2,520.1	2,501.9	2,485.6	131.0	172.3	172.3	5.2	6.9	6.9
Seattle	1,143.9	1,133.4	1,117.6	40.6	54.7	57.9	3.6	4.8	5.2
West Virginia	763.3	771.7	769.6	59.0	80.7	79.6	7.7	10.5	10.3
Charleston	118.9	118.1	118.0	7.0	9.1	9.0	5.9	7.7	7.7
Huntington-Ashland	130.1	133.2	134.7	8.8	12.4	13.0	6.7	9.3	9.7
Parkersburg-Marietta	72.3	72.9	72.8	4.7	6.7	6.4	6.4	9.2	8.8
Wheeling	71.5	71.4	71.3	4.5	6.5	6.4	6.3	9.1	9.0
Wisconsin	2,544.4	2,536.2	2,535.4	126.4	160.0	170.3	5.0	6.3	6.7
Appleton-Oshkosh-Neenah	170.8	170.7	170.9	7.8	9.5	10.0	4.6	5.6	5.9
Eau Claire	71.5	70.0	72.2	5.3	4.4	6.7	7.4	6.3	9.2
Green Bay	108.9	109.9	110.1	4.5	5.6	5.7	4.1	5.1	5.2
Janesville-Beloit	73.9	73.4	74.8	3.9	9.1	9.4	5.2	12.3	12.6
Kenosha	52.3	53.0	52.8	3.7	4.3	4.5	7.1	8.1	8.6
La Crosse	53.2	52.0	51.5	2.4	2.6	2.6	4.5	5.0	5.0
Madison	224.2	223.9	223.7	7.4	7.6	7.7	3.3	3.4	3.4
Milwaukee	754.9	744.7	741.6	27.9	36.4	39.7	3.7	4.9	5.4
Racine	89.0	88.4	89.0	4.5	5.9	6.8	5.0	6.7	7.7
Sheboygan	57.2	57.0	56.8	2.4	3.6	3.9	4.3	6.2	6.9
Wausau	63.1	63.0	62.8	3.2	4.2	4.1	5.1	6.7	6.5
Wyoming	243.7	241.5	241.8	15.8	16.1	14.6	6.5	6.7	6.1
Casper	32.6	32.3	32.4	2.1	2.4	2.1	6.5	7.5	6.5

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

^P = preliminary.

NOTE: Data refer to place of residence. Estimates for 1990 have been benchmarked to 1990 Current Population Survey annual averages. Except in the

11 States and 2 areas designated by footnote 1, estimates for 1991 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

Annual Averages

States and Areas

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry

(In thousands)

State and area	Total			Mining			Construction		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Alabama	1,558.7	1,601.2	1,636.6	11.2	11.6	12.9	78.0	78.1	82.3
Birmingham	401.5	411.0	420.9	5.3	5.4	5.9	24.4	22.5	23.7
Huntsville	128.1	132.2	136.1	(¹)	(¹)	(¹)	5.5	5.0	5.5
Mobile	166.7	170.7	177.2	(¹)	(¹)	(¹)	10.8	10.4	11.1
Montgomery	129.5	131.8	135.5	(¹)	(¹)	(¹)	8.2	7.3	7.4
Tuscaloosa	60.7	63.4	66.3	2.5	2.6	3.3	3.1	3.6	4.3
Alaska	213.7	227.0	237.2	9.6	10.2	11.5	9.0	9.8	10.5
Arizona	1,419.3	1,454.5	1,490.9	11.9	12.2	12.4	93.7	85.8	82.8
Phoenix	938.5	961.6	985.6	.7	.8	.8	64.2	57.7	55.5
Tucson	249.4	250.1	253.9	1.9	2.1	2.2	17.2	15.5	14.7
Arkansas	865.4	893.4	925.2	4.3	4.2	4.1	33.3	33.3	37.6
Fayetteville-Springdale	51.2	53.6	56.1	(¹)	(¹)	(¹)	1.7	1.7	1.8
Fort Smith	78.3	78.3	80.5	1.0	.9	.9	2.6	2.5	2.7
Little Rock-North Little Rock	237.6	245.2	253.1	(¹)	(¹)	(¹)	(²)	10.0	11.0
Pine Bluff	33.2	34.0	34.7	(¹)	(¹)	(¹)	1.5	1.6	1.9
California	12,103.4	12,569.9	12,872.7	42.0	40.2	39.0	603.3	648.1	667.3
Anaheim-Santa Ana	1,149.4	1,190.5	1,219.0	1.4	1.3	1.3	67.6	72.5	69.0
Bakersfield	164.2	167.3	171.4	14.1	13.6	14.3	11.0	10.6	11.3
Fresno	209.4	217.7	232.0	.7	.6	.6	12.1	12.7	14.5
Los Angeles-Long Beach	4,096.8	4,220.6	4,297.8	9.5	8.7	8.4	146.8	154.4	160.5
Modesto	108.6	115.3	120.9	.1	.1	(²)	7.3	8.3	8.9
Oakland	848.8	880.0	901.0	3.5	3.9	3.3	51.1	52.6	51.8
Oxnard-Ventura	216.9	228.0	236.3	2.6	2.4	2.2	14.3	16.9	17.8
Riverside-San Bernardino	636.4	688.2	739.9	1.4	1.4	1.4	55.7	65.3	67.5
Sacramento	573.3	602.1	629.4	.7	.6	.6	34.5	36.7	40.7
Salinas-Seaside-Monterey	107.1	110.7	113.1	.3	.3	.3	4.4	4.5	4.6
San Diego	916.6	964.6	995.1	.8	.8	.7	57.4	63.8	62.3
San Francisco	936.6	958.7	975.5	.7	.6	.6	33.5	34.7	37.1
San Jose	818.0	831.6	834.5	.2	.2	.2	32.8	33.7	34.2
Santa Barbara-Santa Maria-Lompoc	146.6	149.2	151.8	1.4	1.3	1.2	6.4	6.9	7.4
Santa Rosa-Petaluma	130.1	135.6	144.7	.7	.6	.5	9.3	10.3	10.8
Stockton	147.9	152.8	156.0	.1	.1	.1	8.5	8.9	9.6
Vallejo-Fairfield-Napa	128.9	133.7	141.1	.6	.6	.6	8.8	9.9	11.6
Colorado	1,436.1	1,482.3	1,518.2	20.7	19.6	19.8	60.4	60.0	62.3
Boulder-Longmont	109.7	113.9	117.1	(¹)	(¹)	(¹)	3.9	3.7	3.7
Denver	804.5	822.6	837.3	12.9	11.4	10.9	32.8	31.2	32.8
Connecticut	1,674.9	1,674.1	1,640.9	1.6	1.1	1.0	81.3	75.4	63.1
Bridgeport-Milford	201.8	198.2	192.8	(²)	(²)	(²)	9.2	8.4	7.0
Hartford	482.5	482.5	478.0	(¹)	(¹)	(¹)	21.1	20.0	17.0
New Britain	66.0	66.7	64.3	(²)	(²)	(²)	4.5	5.1	4.4
New Haven-Meriden	257.7	261.3	258.7	(¹)	(¹)	(¹)	13.9	12.8	10.4
Stamford	125.7	124.4	120.5	(¹)	(¹)	(¹)	5.9	5.0	4.4
Waterbury	86.0	87.9	84.4	(²)	(²)	(²)	4.6	4.3	3.6
Delaware	334.2	344.5	346.4	.1	.1	.1	21.7	20.8	20.2
Wilmington	286.3	295.2	298.3	.2	.2	.2	19.3	18.6	17.8
District of Columbia	673.6	680.6	687.9	.1	.1	.1	14.0	14.4	14.5
Washington MSA	2,167.2	2,226.7	2,241.5	1.1	1.2	1.2	141.4	146.9	136.2
Florida	5,066.6	5,260.9	5,403.0	9.1	9.2	8.7	346.3	340.2	324.1
Daytona Beach	116.8	121.6	125.3	(²)	(²)	(²)	8.3	8.2	7.9
Fort Lauderdale-Hollywood-Pompano Beach	486.6	505.3	516.8	.3	.3	.2	36.2	35.0	33.8
Fort Myers-Cape Coral	115.4	123.1	129.2	(²)	(²)	(²)	12.7	13.4	13.0
Gainesville	95.4	98.2	101.7	(²)	(²)	(²)	4.3	4.4	4.3
Jacksonville	406.5	414.7	425.6	.6	.7	.7	27.2	26.9	26.1
Lakeland-Winter Haven	148.6	155.2	156.3	3.9	4.1	4.0	8.8	9.0	8.8
Melbourne-Titusville-Palm Bay	153.0	160.4	165.7	(²)	(²)	(²)	9.7	9.6	9.0
Miami-Hialeah	854.1	872.4	888.7	1.0	.9	.9	41.3	39.9	38.7
Orlando	506.6	543.0	568.5	(²)	(²)	(²)	37.0	36.9	37.1
Pensacola	124.9	127.9	130.7	.3	.4	.4	8.2	8.1	7.9
Sarasota	108.9	113.2	118.6	(²)	(²)	(²)	10.1	10.3	9.5
Tallahassee	114.2	120.7	125.6	(²)	(²)	(²)	5.8	5.9	5.8
Tampa-St. Petersburg-Clearwater	833.7	861.9	883.9	.7	.6	.6	57.3	53.6	49.6
West Palm Beach-Boca Raton-DeLray Beach	342.7	354.1	361.1	(²)	(²)	(²)	29.7	28.7	25.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Alabama	380.6	385.6	384.6	79.5	81.8	83.6	339.7	350.4	354.8
Birmingham	57.0	57.6	57.6	32.1	32.5	32.6	99.3	100.3	99.6
Huntsville	32.3	32.8	33.4	2.9	3.0	3.2	24.4	25.1	25.3
Mobile	26.3	26.8	27.7	10.1	10.1	10.1	44.1	46.1	47.0
Montgomery	19.1	18.4	17.8	5.1	5.4	5.7	29.5	30.5	30.7
Tuscaloosa	10.0	10.3	10.0	2.0	2.1	2.1	12.8	13.1	13.9
Alaska	15.0	15.7	16.7	17.4	21.2	20.5	42.0	44.2	46.1
Arizona	189.0	188.2	185.4	74.1	76.8	81.9	351.3	364.4	370.3
Phoenix	138.3	139.8	138.2	51.4	53.6	58.4	238.4	245.7	248.2
Tucson	30.3	27.9	26.5	9.4	9.4	9.5	57.2	58.9	60.2
Arkansas	226.3	231.0	232.6	52.2	54.5	56.0	196.7	202.2	206.5
Fayetteville-Springdale	12.8	13.4	14.0	4.9	5.0	5.0	11.8	12.0	12.3
Fort Smith	27.2	25.6	25.4	4.1	4.3	4.7	16.4	16.7	16.7
Little Rock-North Little Rock	32.9	33.5	33.3	16.4	16.5	16.5	57.6	59.5	61.1
Pine Bluff	6.5	6.5	6.3	2.6	2.8	2.7	7.2	7.4	7.4
California	2,149.2	2,161.4	2,122.8	589.0	607.1	628.6	2,874.4	2,973.9	3,025.8
Anaheim-Santa Ana	258.9	256.6	253.0	34.2	34.8	37.9	286.9	297.9	303.3
Bakersfield	10.8	10.8	10.9	8.0	8.1	8.3	39.3	39.9	40.2
Fresno	23.6	24.9	26.6	11.7	12.3	12.9	54.6	55.8	58.9
Los Angeles-Long Beach	897.7	886.2	858.9	207.6	213.6	221.6	933.6	961.4	972.0
Modesto	23.5	25.3	26.2	4.5	4.7	5.1	28.3	29.4	31.0
Oakland	110.9	113.5	113.3	55.7	58.1	61.2	208.5	213.9	220.0
Oxnard-Ventura	31.5	32.3	32.7	11.1	11.7	12.2	54.4	56.5	58.2
Riverside-San Bernardino	84.8	88.2	89.8	31.4	33.3	35.4	158.2	170.5	184.2
Sacramento	42.3	43.9	45.6	25.4	27.2	28.5	137.5	142.1	145.7
Salinas-Seaside-Monterey	9.6	10.3	10.4	4.6	4.7	4.7	28.5	29.5	30.2
San Diego	130.1	135.4	136.5	35.1	35.8	37.1	223.0	233.7	238.1
San Francisco	80.3	81.0	79.6	75.6	75.9	78.6	212.7	217.2	213.9
San Jose	266.8	269.6	264.6	21.8	21.8	22.8	167.0	171.0	170.0
Santa Barbara-Santa Maria-Lompoc	22.3	22.3	22.0	5.2	5.4	5.5	34.2	34.3	34.5
Santa Rosa-Petaluma	20.2	21.1	21.7	6.0	6.2	6.7	33.4	34.9	37.4
Stockton	24.5	24.8	24.7	8.7	8.9	8.9	34.6	35.8	36.1
Vallejo-Fairfield-Napa	12.2	12.8	12.9	4.6	4.8	5.1	31.3	32.4	35.1
Colorado	189.6	193.4	193.2	91.4	93.7	96.5	352.9	363.9	370.4
Boulder-Longmont	30.3	30.8	30.4	2.3	2.4	2.4	23.0	24.1	24.9
Denver	94.5	95.6	94.7	67.0	68.2	69.7	198.7	202.1	204.9
Connecticut	373.3	360.5	342.2	73.1	72.7	73.7	377.7	378.3	365.6
Bridgeport-Milford	56.1	53.7	50.3	8.6	8.6	8.3	46.2	44.9	43.5
Hartford	89.4	85.6	83.4	18.6	18.5	19.3	103.5	105.3	103.1
New Britain	20.1	19.7	18.5	3.2	3.2	3.3	13.6	13.8	13.4
New Haven-Meriden	47.4	46.3	44.4	17.3	16.8	17.5	59.6	59.1	55.8
Stamford	23.0	21.2	19.5	5.6	5.8	6.2	29.6	29.4	27.5
Waterbury	23.8	22.7	20.3	3.3	3.5	3.4	17.7	18.0	17.7
Delaware	70.3	73.1	71.7	14.3	15.3	15.3	74.0	75.5	75.9
Wilmington	59.7	62.6	61.6	15.1	16.2	16.7	60.6	61.3	61.3
District of Columbia	16.3	15.8	15.7	25.1	24.5	24.0	63.8	63.0	61.8
Washington MSA	88.8	89.0	87.6	105.5	108.9	108.0	429.9	436.1	434.8
Florida	539.6	537.9	522.3	260.8	266.4	276.6	1,378.8	1,432.6	1,457.5
Daytona Beach	12.2	12.3	12.1	3.7	4.0	4.2	34.6	35.6	36.9
Fort Lauderdale-Hollywood-Pompano Beach	46.3	45.4	43.7	22.6	23.0	23.4	144.2	150.1	151.7
Fort Myers-Cape Coral	5.8	6.1	6.0	5.0	5.2	5.5	34.3	36.6	38.7
Gainesville	5.7	5.7	5.6	1.8	1.9	2.0	21.2	21.3	21.7
Jacksonville	37.9	38.1	36.4	27.7	28.5	29.2	110.9	110.6	113.2
Lakeland-Winter Haven	23.4	23.4	22.2	6.6	7.0	7.5	41.1	43.3	43.6
Melbourne-Titusville-Palm Bay	29.5	29.7	30.8	5.3	4.3	4.5	35.2	37.6	38.6
Miami-Hialeah	92.3	91.7	88.6	70.3	68.6	72.4	231.9	237.1	240.1
Orlando	56.9	55.3	54.1	25.8	28.2	29.4	131.4	143.1	148.1
Pensacola	11.2	11.5	11.8	6.6	6.7	6.6	32.0	32.7	32.7
Sarasota	8.5	8.5	8.7	3.5	3.6	3.7	32.7	33.8	34.7
Tallahassee	4.8	4.9	4.7	2.9	3.1	3.1	24.4	26.1	27.0
Tampa-St. Petersburg-Clearwater	95.3	95.1	92.6	39.2	40.4	41.6	232.3	239.4	243.3
West Palm Beach-Boca Raton-DeLray Beach	35.8	34.1	33.1	12.7	13.7	14.5	91.4	95.2	96.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Alabama	70.3	72.0	73.9	289.8	303.9	318.1	309.5	317.9	326.2
Birmingham	28.5	29.6	30.6	93.3	99.5	105.5	61.7	63.5	65.4
Huntsville	3.7	3.8	3.9	29.9	31.6	33.1	29.6	30.9	31.8
Mobile	8.1	8.1	8.1	38.9	40.5	42.9	28.5	28.8	30.3
Montgomery	7.5	7.9	8.4	27.7	29.0	30.9	32.3	33.3	34.6
Tuscaloosa	2.1	2.1	2.1	8.8	9.5	10.2	19.3	20.1	20.4
Alaska	10.7	10.3	10.3	43.6	46.9	50.9	66.5	68.7	70.8
Arizona	94.2	92.6	94.6	368.0	388.1	406.0	237.2	246.4	257.6
Phoenix	74.9	73.9	75.4	247.8	263.2	275.9	122.9	126.8	133.3
Tucson	12.3	11.7	11.7	69.4	71.4	74.0	51.7	53.3	55.1
Arkansas	38.1	38.2	38.3	164.6	175.9	191.0	150.0	154.2	159.1
Fayetteville-Springdale	1.6	1.6	1.7	8.0	8.8	9.8	10.5	11.1	11.6
Fort Smith	2.8	2.8	2.7	16.4	17.4	19.0	7.7	8.1	8.3
Little Rock-North Little Rock	15.7	15.6	15.6	57.7	62.0	66.6	46.9	48.2	49.0
Pine Bluff	1.3	1.3	1.2	6.6	7.0	7.4	7.5	7.5	7.8
California	807.3	832.8	845.1	3,104.1	3,307.8	3,472.6	1,934.1	1,998.7	2,071.4
Anaheim-Santa Ana	93.7	96.9	102.5	289.0	310.0	326.3	117.8	120.5	125.8
Bakersfield	6.4	6.5	6.8	34.1	35.5	36.0	40.7	42.4	43.7
Fresno	12.1	12.3	13.3	48.2	50.9	54.3	46.5	48.1	51.0
Los Angeles-Long Beach	281.9	288.4	292.5	1,114.0	1,186.1	1,245.7	505.6	521.8	538.4
Modesto	4.7	5.2	5.0	22.2	23.5	24.7	18.0	18.8	20.1
Oakland	56.0	57.1	57.9	202.3	216.3	225.9	160.8	164.6	167.5
Oxnard-Ventura	11.0	12.2	12.5	51.0	53.8	56.7	41.1	42.1	44.0
Riverside-San Bernardino	27.3	29.8	32.6	149.0	162.0	179.5	128.6	137.8	149.5
Sacramento	38.0	38.4	41.1	125.1	134.4	142.3	171.9	178.7	185.0
Salinas-Seaside-Monterey	5.7	5.9	6.3	27.0	28.0	28.7	27.1	27.5	28.0
San Diego	65.0	66.5	67.9	242.5	259.5	275.7	162.8	169.3	176.8
San Francisco	109.6	109.4	108.6	289.7	303.7	318.7	134.6	136.2	138.6
San Jose	32.0	32.4	32.7	211.1	215.9	220.5	86.4	86.9	89.6
Santa Barbara-Santa Maria-Lompoc	8.5	8.6	8.6	40.9	42.0	43.3	27.5	28.4	29.3
Santa Rosa-Petaluma	8.3	8.1	8.7	29.5	31.2	34.9	22.7	23.2	24.0
Stockton	9.1	9.4	9.6	30.9	32.4	33.2	31.6	32.5	33.9
Vallejo-Fairfield-Napa	4.8	5.0	5.2	28.9	29.9	32.5	37.8	38.4	38.1
Colorado	95.7	96.8	97.1	358.8	383.6	401.8	266.7	271.4	277.2
Boulder-Longmont	4.0	4.2	4.2	24.2	26.4	28.5	22.0	22.3	23.0
Denver	63.3	64.0	64.7	209.2	222.0	230.5	126.3	128.3	129.2
Connecticut	152.1	151.7	151.6	409.4	426.8	432.4	206.3	207.7	211.3
Bridgeport-Milford	12.7	12.4	11.7	49.6	50.7	51.9	19.6	19.6	20.1
Hartford	75.4	74.5	75.0	112.7	115.9	116.7	61.8	62.8	63.6
New Britain	3.9	3.7	3.1	14.1	14.7	14.7	6.6	6.7	6.9
New Haven-Meriden	16.1	16.5	16.9	71.2	77.9	81.7	32.1	31.9	32.1
Stamford	13.5	14.0	14.0	37.4	38.3	38.3	10.6	10.6	10.6
Waterbury	4.5	4.5	4.7	21.6	22.3	21.8	12.6	12.7	13.0
Delaware	29.0	30.3	31.7	77.4	82.2	84.7	47.5	47.1	46.9
Wilmington	25.8	27.0	28.4	68.2	72.5	75.3	37.6	36.8	37.1
District of Columbia	34.3	33.7	33.7	243.8	252.3	260.3	276.1	276.8	277.7
Washington MSA	127.2	130.0	131.0	702.6	733.9	756.5	570.7	580.6	586.2
Florida	365.1	370.3	370.6	1,393.9	1,504.3	1,599.0	773.0	800.1	844.3
Daytona Beach	6.2	6.0	5.8	32.7	35.4	37.1	19.1	20.3	21.2
Fort Lauderdale-Hollywood-Pompano Beach	40.2	40.6	40.5	135.1	146.1	154.8	61.6	64.8	68.7
Fort Myers-Cape Coral	8.2	9.0	9.4	32.0	34.5	36.8	17.3	18.3	19.8
Gainesville	4.5	4.5	4.6	23.2	24.7	25.8	34.6	35.6	37.6
Jacksonville	38.3	40.1	42.2	104.9	108.7	114.0	59.0	61.2	63.9
Lakeland-Winter Haven	8.4	8.9	9.1	36.1	38.0	38.1	20.4	21.4	23.1
Melbourne-Titusville-Palm Bay	5.6	5.8	5.8	45.6	50.5	53.1	21.9	22.9	23.9
Miami-Hialeah	71.1	71.3	70.7	234.0	246.4	253.6	112.3	116.5	121.7
Orlando	33.1	33.2	32.6	165.2	185.2	202.0	57.3	60.9	65.1
Pensacola	5.4	5.4	5.7	31.9	33.1	34.6	29.4	30.1	31.1
Sarasota	8.2	8.1	8.4	33.1	35.8	39.9	12.9	12.9	13.6
Tallahassee	5.0	5.2	5.3	24.1	25.9	27.6	47.1	49.5	51.9
Tampa-St. Petersburg-Clearwater	65.2	65.3	64.9	241.1	259.1	276.5	102.7	108.3	114.9
West Palm Beach-Boca Raton-Delray Beach	28.6	29.1	28.7	101.8	109.4	116.2	42.8	43.9	46.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Georgia	2,875.9	2,941.1	2,995.5	8.9	8.8	8.7	149.8	146.3	147.3
Albany	47.8	48.6	50.3	(¹)	(¹)	(¹)	2.4	2.3	2.6
Athens	65.0	68.0	68.6	.1	.1	.1	2.5	2.6	2.6
Atlanta	1,421.0	1,450.7	1,482.5	1.5	1.3	1.2	71.1	68.1	67.9
Augusta	162.5	171.7	182.4	.5	.5	.8	12.7	14.8	17.9
Columbus	93.8	94.4	98.8	.1	.1	.1	5.1	5.0	5.4
Macon-Warner Robins	121.1	124.7	128.6	.1	.1	.2	5.0	5.2	5.4
Savannah	105.5	108.5	113.3	(¹)	(¹)	(¹)	6.5	7.7	10.0
Hawaii	478.1	505.5	527.5	(¹)	(¹)	(¹)	23.4	29.2	31.9
Honolulu	378.1	395.6	409.2	(¹)	(¹)	(¹)	18.4	22.4	24.0
Idaho	348.5	365.8	385.8	3.3	3.7	3.9	14.2	16.1	18.8
Boise City	92.7	99.4	105.9	(¹)	(¹)	(¹)	4.8	5.4	6.0
Illinois	5,097.5	5,213.9	5,265.3	21.4	20.0	19.8	204.7	213.0	218.2
Aurora-Elgin	140.2	145.0	149.3	(¹)	(¹)	(¹)	7.3	8.1	8.8
Bloomington-Normal	59.4	63.6	66.2	(¹)	(¹)	(¹)	1.7	1.7	2.2
Champaign-Urbana-Rantoul	86.8	87.9	90.2	(¹)	(¹)	(¹)	2.9	2.6	2.6
Chicago	3,105.6	3,175.0	3,193.7	2.7	2.0	2.2	124.7	127.0	129.3
Deavenport-Rock Island-Moline	156.7	160.2	163.5	(¹)	(¹)	(¹)	5.0	5.3	6.0
Decatur	52.9	53.6	54.1	(¹)	(¹)	(¹)	2.8	3.1	3.2
Joliet	100.5	104.6	106.3	(¹)	(¹)	(¹)	6.7	7.8	7.9
Kankakee	33.2	34.6	36.1	(¹)	(¹)	(¹)	1.5	1.6	1.7
Lake County	198.8	214.5	219.6	(¹)	(¹)	(¹)	9.6	11.2	11.8
Peoria	140.8	146.6	150.0	(¹)	(¹)	(¹)	6.5	6.7	7.7
Rockford	132.8	135.9	137.9	(¹)	(¹)	(¹)	4.3	4.8	5.7
Springfield	101.9	103.4	105.7	(¹)	(¹)	(¹)	3.6	3.5	3.5
Indiana	2,395.8	2,479.3	2,523.5	8.2	7.9	8.1	107.3	112.6	119.3
Anderson	49.2	50.3	50.5	(¹)	(¹)	(¹)	1.4	1.4	1.4
Bloomington	53.1	54.4	55.7	(¹)	(¹)	(¹)	2.2	2.0	2.4
Elkhart-Goshen	103.4	104.4	102.5	(¹)	(¹)	(¹)	2.9	3.5	3.5
Evansville	129.3	133.1	135.4	2.2	2.0	2.1	7.7	7.4	7.3
Fort Wayne	192.8	201.5	203.6	(¹)	(¹)	(¹)	9.4	9.5	9.9
Gary-Hammond	231.0	240.0	247.5	(¹)	(¹)	(¹)	14.2	14.9	15.9
Indianapolis	625.3	652.6	671.3	.8	.9	.8	32.9	35.0	37.8
Kokomo	45.1	46.3	46.8	(¹)	(¹)	(¹)	1.2	1.3	1.4
Lafayette-West Lafayette	85.8	88.5	70.2	(¹)	(¹)	(¹)	2.7	2.8	2.8
Muncie	52.0	52.7	54.5	(¹)	(¹)	(¹)	2.0	2.0	2.2
South Bend-Mishawaka	114.9	117.7	119.3	(¹)	(¹)	(¹)	5.7	6.0	6.6
Terre Haute	54.3	56.3	58.4	.4	.5	.5	2.1	2.3	2.6
Iowa	1,156.2	1,200.1	1,224.1	2.1	2.0	2.0	38.0	40.7	44.9
Cedar Rapids	89.9	93.6	94.2	(¹)	(¹)	(¹)	3.7	3.9	4.5
Des Moines	215.9	224.6	232.2	(¹)	(¹)	(¹)	7.8	8.2	9.3
Dubuque	42.5	43.7	44.8	(¹)	(¹)	(¹)	1.4	1.5	1.7
Iowa City	51.5	54.3	55.9	(¹)	(¹)	(¹)	1.4	1.7	1.7
Sioux City	51.7	54.3	55.7	(¹)	(¹)	(¹)	2.1	2.2	2.4
Waterloo-Cedar Falls	64.4	67.0	69.9	(¹)	(¹)	(¹)	2.1	2.2	2.4
Kansas	1,035.4	1,064.2	1,084.7	10.4	9.4	10.0	41.6	40.1	41.4
Lawrence	33.5	35.6	37.0	(¹)	(¹)	(¹)	1.5	1.5	1.7
Topeka	89.2	91.1	91.4	(¹)	(¹)	(¹)	3.5	3.5	3.6
Wichita	230.4	238.7	241.9	2.0	1.7	1.9	9.3	9.1	9.7
Kentucky	1,381.9	1,433.0	1,473.3	38.0	34.6	35.7	63.0	65.9	67.0
Lexington-Fayette	186.8	196.7	200.6	.3	.3	.3	10.5	10.7	10.5
Louisville	454.6	467.2	479.8	.7	.6	.6	22.0	22.8	23.5
Owensboro	34.2	35.8	36.4	.7	.5	.5	2.2	2.2	2.2
Louisiana	1,511.6	1,538.5	1,593.8	56.3	54.4	55.5	82.3	83.1	91.6
Alexandria	45.4	46.3	46.5	.2	.1	.1	2.3	3.0	3.1
Baton Rouge	222.0	226.4	236.1	1.0	.8	.9	24.1	24.9	27.3
Houma-Thibodaux	54.1	54.8	57.6	5.8	5.4	5.4	1.7	1.9	1.9
Lafayette	86.0	89.7	98.9	11.5	11.3	12.5	3.3	3.6	4.2
Lake Charles	60.5	62.6	66.9	1.0	1.1	1.3	3.9	4.5	5.9
Monroe	55.7	57.0	58.9	.5	.4	.4	2.4	2.7	2.7
New Orleans	518.8	524.0	535.1	14.7	14.2	13.8	22.4	21.5	23.0
Shreveport	130.9	130.6	132.5	3.3	3.1	3.1	6.0	5.4	6.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Georgia	574.3	568.3	559.4	182.3	188.6	197.9	732.2	742.1	745.1
Albany	7.7	7.6	8.2	2.5	2.8	2.9	12.3	12.0	12.0
Athens	15.1	15.6	15.3	1.7	1.9	2.0	14.3	15.0	15.5
Atlanta	184.7	178.3	173.6	120.3	121.5	128.7	399.7	405.7	404.2
Augusta	36.2	39.8	41.1	4.8	4.5	4.7	35.5	36.8	39.0
Columbus	19.8	19.6	20.5	3.5	3.4	3.3	20.7	21.0	20.6
Macon-Warner Robins	18.7	18.7	18.8	5.1	5.1	5.2	28.3	28.7	29.2
Savannah	17.6	17.3	17.4	9.7	9.4	9.5	26.0	26.3	27.2
Hawaii	22.0	21.5	20.9	38.0	40.0	42.0	127.5	132.6	135.9
Honolulu	16.5	16.2	15.8	31.2	32.5	34.2	99.5	101.9	102.5
Idaho	57.9	60.5	62.9	18.6	19.2	19.8	87.3	93.0	97.3
Boise City	13.0	14.7	15.9	5.3	5.5	5.8	23.8	25.9	26.8
Illinois	975.2	986.6	983.7	298.8	305.3	307.7	1,247.5	1,275.1	1,258.1
Aurora-Elgin	38.3	38.9	38.5	3.2	3.5	3.7	36.6	37.7	39.9
Bloomington-Normal	5.5	7.3	7.8	2.7	3.0	3.1	13.7	15.1	15.2
Champaign-Urbana-Rantoul	8.3	8.8	9.7	2.3	2.3	2.4	19.9	19.4	19.1
Chicago	564.5	563.9	560.4	195.3	204.6	208.0	762.4	776.5	757.8
Davenport-Rock Island-Moline	32.0	31.9	32.4	7.4	7.2	7.4	44.3	46.4	47.0
Decatur	13.9	14.3	14.6	5.1	4.7	4.2	11.7	11.8	11.8
Joliet	19.2	19.8	19.8	8.4	8.6	8.5	23.3	24.4	24.9
Kankakee	5.2	5.7	5.7	1.5	2.1	2.2	8.3	8.5	8.8
Lake County	44.6	46.6	48.2	6.3	5.9	5.9	55.6	59.2	58.8
Peoria	32.9	33.8	34.1	7.0	7.1	7.1	33.8	35.6	35.2
Rockford	47.9	48.6	48.3	4.8	4.7	4.9	29.5	29.8	29.7
Springfield	3.9	4.2	4.3	4.6	4.7	4.8	23.6	23.1	23.3
Indiana	636.7	646.3	635.0	123.9	129.9	132.0	568.2	592.0	600.0
Anderson	17.1	17.1	16.4	1.4	1.3	1.2	11.5	12.1	12.0
Bloomington	9.4	9.7	9.4	1.7	1.7	1.7	11.8	12.1	12.7
Elkhart-Goshen	56.6	54.7	51.3	2.9	3.2	3.4	18.6	19.0	19.0
Evansville	30.9	31.2	30.7	6.6	7.0	7.0	33.8	34.9	35.4
Fort Wayne	52.9	54.1	50.7	12.8	13.3	13.7	47.4	50.3	51.7
Gary-Hammond	56.5	57.3	57.0	15.6	16.1	16.6	54.5	57.2	59.0
Indianapolis	107.4	109.6	110.3	38.4	41.8	43.5	161.8	169.6	171.8
Kokomo	18.9	19.0	18.5	1.4	1.4	1.4	10.0	10.3	10.4
Lafayette-West Lafayette	12.4	13.3	13.9	1.9	1.8	2.0	13.6	14.4	14.6
Muncie	11.1	10.9	11.3	2.4	2.7	2.7	12.9	12.9	12.9
South Bend-Mishawaka	23.7	22.8	21.8	5.2	5.3	5.7	30.2	31.3	31.0
Terre Haute	10.3	10.5	10.7	2.9	2.9	2.8	14.7	15.4	15.9
Iowa	226.4	234.8	235.8	54.1	56.0	55.9	294.3	304.7	308.0
Cedar Rapids	23.2	23.8	22.0	5.6	5.9	6.1	21.6	22.2	22.4
Des Moines	25.4	25.5	26.5	12.5	12.7	12.7	56.0	58.4	59.6
Dubuque	12.3	12.4	12.3	1.7	1.7	1.7	9.9	10.3	10.6
Iowa City	4.3	4.5	4.5	1.1	1.3	1.4	10.4	10.5	10.8
Sioux City	10.0	10.8	11.0	3.1	3.4	3.2	13.5	14.1	14.2
Waterloo-Cedar Falls	14.9	15.6	16.5	1.8	1.8	1.8	15.4	16.2	16.8
Kansas	181.6	184.4	185.5	64.1	66.7	66.6	260.5	266.0	267.1
Lawrence	4.5	4.7	4.7	1.0	1.0	1.0	7.6	7.9	8.2
Topeka	9.0	9.4	9.4	6.8	7.2	7.1	21.0	20.6	20.1
Wichita	61.1	63.4	64.1	10.8	11.3	11.7	54.1	55.8	56.4
Kentucky	274.1	284.2	286.9	74.2	77.2	80.2	333.1	344.9	350.5
Lexington-Fayette	31.6	33.6	33.7	8.4	9.0	9.1	43.4	44.2	44.8
Louisville	88.5	88.8	89.0	29.1	30.0	31.0	114.2	117.3	119.5
Owensboro	6.0	6.3	6.6	2.1	2.2	2.2	8.9	9.5	9.5
Louisiana	171.5	176.3	183.6	107.1	108.3	110.8	364.5	367.2	370.7
Alexandria	3.3	3.4	3.4	2.2	2.3	2.3	10.9	10.7	10.5
Baton Rouge	19.9	21.0	22.6	10.6	10.5	11.1	52.5	53.0	53.3
Houma-Thibodaux	4.8	4.9	5.6	6.1	6.2	6.7	13.9	14.0	14.4
Lafayette	7.3	8.1	9.0	5.9	6.4	6.9	23.2	24.0	25.1
Lake Charles	11.2	11.6	11.7	4.1	4.1	4.2	14.6	14.8	15.5
Monroe	7.4	7.6	7.7	3.0	3.2	3.2	14.4	14.5	15.0
New Orleans	43.6	44.3	44.7	43.4	43.2	43.9	134.8	133.9	133.6
Shreveport	17.8	17.4	17.6	8.2	8.4	8.1	32.2	32.2	31.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Georgia	161.2	164.0	162.9	573.1	610.9	640.5	494.1	512.2	533.7
Albany	2.3	2.2	2.1	7.9	8.6	9.1	12.6	13.1	13.4
Athens	1.9	2.1	2.1	10.2	10.9	10.9	19.1	19.6	20.0
Atlanta	103.5	106.0	107.9	336.7	359.0	376.4	203.6	210.9	222.6
Augusta	5.7	5.8	6.1	32.9	34.3	36.6	34.2	35.0	36.4
Columbus	6.4	6.1	6.2	17.5	18.4	19.6	20.7	20.9	21.0
Macon-Warner Robins	7.4	7.4	7.8	23.2	24.6	26.7	33.3	34.9	35.5
Savannah	4.5	4.9	4.9	25.2	26.1	27.3	16.0	16.7	17.1
Hawaii	34.4	35.2	36.9	133.3	145.4	154.6	99.5	101.6	105.3
Honolulu	28.8	28.7	29.6	100.2	108.9	115.5	83.5	85.0	87.6
Idaho	19.2	19.2	19.8	72.1	76.2	81.7	76.0	77.9	81.7
Boise City	7.6	7.7	8.1	20.6	21.9	23.9	17.5	18.3	19.5
Illinois	369.0	371.9	375.5	1,242.0	1,297.4	1,340.0	738.8	744.4	762.4
Aurora-Elgin	8.2	7.9	8.3	31.3	33.0	34.0	15.5	15.9	16.1
Bloomington-Normal	10.2	10.8	11.2	13.0	13.7	14.4	12.5	12.1	12.3
Champaign-Urbana-Rantoul	3.3	3.1	3.2	16.5	17.5	18.2	33.6	34.3	35.0
Chicago	265.7	267.6	268.1	823.1	862.8	890.5	367.2	370.6	377.3
Davenport-Rock Island-Moline	7.7	7.7	7.7	33.5	35.5	37.1	26.8	26.2	26.1
Decatur	2.3	2.3	2.3	11.6	11.8	12.3	5.6	5.6	5.7
Joliet	3.7	3.6	3.7	22.6	23.6	24.3	16.6	16.8	17.4
Kankakee	1.4	1.5	2.0	8.8	8.7	9.2	6.5	6.5	6.5
Lake County	8.2	13.1	13.3	44.0	47.4	50.2	30.5	31.0	31.5
Peoria	7.5	7.3	7.6	37.2	39.9	41.6	15.9	16.2	16.8
Rockford	5.3	5.4	5.6	29.0	30.5	31.3	12.1	12.1	12.5
Springfield	7.9	7.9	8.1	25.8	26.7	27.4	32.6	33.3	34.4
Indiana	118.6	121.1	122.8	478.3	503.0	530.2	354.5	366.6	376.1
Anderson	1.6	1.6	1.6	10.2	10.7	11.2	5.9	6.2	6.7
Bloomington	1.9	1.9	1.9	8.8	9.3	10.1	17.3	17.6	17.7
Elkhart-Goshen	2.7	2.9	2.9	14.0	15.2	16.2	5.6	5.8	6.2
Evansville	5.3	5.4	5.3	30.5	32.8	34.6	12.3	12.4	13.0
Fort Wayne	12.3	12.6	12.9	40.6	43.5	45.6	17.4	18.3	19.0
Gary-Hammond	8.3	8.3	8.4	51.1	54.1	57.5	30.9	32.0	33.1
Indianapolis	47.7	49.2	49.7	144.6	152.5	158.4	91.7	94.4	99.0
Kokomo	1.4	1.4	1.4	6.7	7.2	7.4	5.5	5.8	6.2
Lafayette-West Lafayette	3.1	3.1	3.0	12.1	12.6	13.0	19.9	20.4	21.0
Muncie	1.7	1.7	1.7	10.9	11.4	11.9	11.0	11.1	11.8
South Bend-Mishawaka	6.0	6.2	6.3	32.9	34.6	36.0	11.3	11.6	11.9
Terre Haute	2.0	2.0	2.1	11.7	12.2	12.7	10.3	10.6	11.1
Iowa	66.2	67.9	69.3	263.0	277.3	288.6	212.1	216.7	219.6
Cedar Rapids	4.7	4.7	4.9	21.1	22.8	23.3	10.1	10.4	11.1
Des Moines	29.1	30.9	31.6	55.0	58.3	60.6	30.3	30.9	32.0
Dubuque	1.4	1.5	1.5	12.5	12.9	13.4	3.5	3.5	3.7
Iowa City	1.4	1.4	1.4	8.6	9.6	9.9	24.2	25.3	26.2
Sioux City	2.5	2.5	2.5	14.0	14.9	15.8	6.5	6.6	6.6
Waterloo-Cedar Falls	2.9	2.9	3.1	15.1	15.6	16.5	12.3	12.6	13.0
Kansas	57.7	57.9	58.1	215.1	230.5	241.8	204.4	209.1	214.4
Lawrence	1.3	1.5	1.6	6.4	7.5	7.8	11.1	11.5	11.9
Topeka	6.4	6.6	6.4	21.1	22.1	23.0	21.3	21.8	22.0
Wichita	11.1	11.0	11.2	54.4	58.5	58.3	27.6	27.9	28.7
Kentucky	59.4	60.3	61.3	296.0	312.7	328.9	246.1	253.3	262.9
Lexington-Fayette	9.3	9.4	9.5	44.4	47.6	49.6	40.6	41.9	43.1
Louisville	26.5	27.1	27.8	112.9	119.2	124.8	60.9	61.6	63.7
Owensboro	1.4	1.5	1.5	7.9	8.3	8.4	5.1	5.3	5.4
Louisiana	82.3	80.0	78.8	335.0	353.5	374.2	312.6	315.7	328.6
Alexandria	2.5	2.4	2.1	11.3	11.7	12.2	12.7	12.7	12.7
Baton Rouge	13.3	13.0	13.0	46.8	50.6	53.6	54.0	52.6	54.4
Houma-Thibodaux	2.2	2.1	2.1	9.1	9.8	10.7	10.4	10.6	10.8
Lafayette	3.6	3.4	3.3	18.7	20.2	22.2	12.5	12.8	13.6
Lake Charles	3.0	2.9	2.6	11.9	12.9	14.4	10.8	10.8	11.1
Monroe	4.4	4.3	4.3	12.1	12.6	13.2	11.6	11.7	12.3
New Orleans	33.5	32.6	31.7	140.4	146.7	154.3	86.1	87.6	90.1
Shreveport	6.9	6.4	6.3	31.1	32.1	33.1	25.4	25.6	26.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Maine	527.1	541.8	536.8	0.2	0.1	0.2	33.3	32.7	28.6
Lewiston-Auburn	40.7	40.9	39.8	(?)	(?)	(?)	2.3	2.3	1.9
Portland	128.8	131.4	130.4	(?)	(?)	(?)	9.1	8.4	6.6
Maryland	2,102.3	2,155.2	2,177.2	1.7	1.8	2.1	161.1	162.5	159.3
Baltimore MSA	1,120.7	1,144.9	1,156.6	.3	.4	.5	75.7	76.4	75.4
Baltimore City	470.7	472.9	472.1	(?)	(?)	(?)	19.9	19.5	18.9
Suburban Maryland-D.C.	751.0	772.1	777.4	(?)	(?)	(?)	69.1	70.2	68.6
Massachusetts	3,126.2	3,103.4	2,977.7	1.7	1.6	1.4	142.1	126.8	99.5
Boston	1,751.1	1,736.2	1,872.4	.9	.7	.6	73.3	64.6	51.3
Brockton	74.1	73.6	70.6	(?)	(?)	(?)	3.8	3.4	2.4
Fall River	56.1	55.7	52.5	(?)	(?)	(?)	2.7	2.5	1.8
Fitchburg-Leominster	41.9	41.2	38.8	(?)	(?)	(?)	2.6	2.0	1.5
Lawrence-Haverhill	165.4	163.8	155.0	(?)	(?)	(?)	8.0	7.0	5.7
Lowell	109.5	107.4	99.9	(?)	(?)	(?)	5.7	4.9	3.7
New Bedford	68.4	67.9	64.5	(?)	(?)	(?)	3.3	2.9	2.3
Pittsfield	42.7	42.9	42.2	.1	.1	.1	2.4	2.5	2.1
Springfield	242.6	241.9	234.1	.2	.2	.1	10.2	9.4	7.8
Worcester	205.6	203.1	192.6	.2	.2	.2	10.3	8.8	6.6
Michigan	3,819.2	3,922.3	3,949.2	10.5	10.3	9.3	132.2	139.9	140.0
Ann Arbor	170.6	173.4	179.8	(?)	(?)	(?)	6.0	5.4	4.9
Battle Creek	58.7	59.7	60.6	(?)	(?)	(?)	2.0	2.1	2.3
Benton Harbor	65.3	67.0	67.4	(?)	(?)	(?)	1.7	1.8	1.9
Detroit	1,904.7	1,934.5	1,938.6	1.1	1.2	1.0	63.8	65.6	63.4
Flint	160.0	168.0	170.8	(?)	(?)	(?)	5.2	5.4	5.1
Grand Rapids	332.1	350.8	357.8	(?)	(?)	(?)	16.2	16.9	16.8
Jackson	52.2	55.0	55.2	(?)	(?)	(?)	1.7	1.8	2.2
Kalamazoo	108.5	113.6	115.2	(?)	(?)	(?)	3.7	4.1	4.0
Lansing-East Lansing	210.3	213.9	216.9	(?)	(?)	(?)	6.2	6.4	6.5
Muskegon	57.8	59.1	59.4	(?)	(?)	(?)	2.5	2.5	2.6
Saginaw-Bay City-Midland	155.3	161.0	163.4	(?)	(?)	(?)	7.8	8.1	8.1
Minnesota	2,026.1	2,066.8	2,126.4	7.2	7.7	8.2	77.8	79.1	79.3
Duluth	91.8	95.5	97.9	5.0	5.3	5.4	3.3	3.5	3.6
Minneapolis-St. Paul	1,317.6	1,350.3	1,369.9	(?)	(?)	(?)	51.6	51.2	49.8
Rochester	59.9	63.3	65.9	(?)	(?)	(?)	2.1	2.2	2.3
St. Cloud	72.2	77.7	78.7	(?)	(?)	(?)	3.6	3.7	3.8
Mississippi	696.2	919.3	936.9	6.2	6.0	8.1	35.2	35.9	36.7
Jackson	160.7	163.9	186.2	.8	.7	.6	8.5	7.8	7.5
Missouri	2,256.9	2,315.0	2,341.1	5.3	5.2	5.2	97.4	97.2	100.2
Kansas City	759.6	773.8	783.5	(?)	(?)	(?)	34.6	32.9	32.6
St. Louis	1,148.6	1,174.1	1,184.3	(?)	(?)	(?)	60.1	59.3	56.8
Springfield	113.1	118.9	121.6	(?)	(?)	(?)	4.8	4.7	4.8
Montana	282.9	291.0	297.3	6.2	6.2	6.3	9.0	9.8	10.4
Nebraska	688.1	708.0	731.1	1.6	1.5	1.7	24.5	25.3	27.1
Lincoln	116.2	118.6	121.8	(?)	(?)	(?)	4.1	4.2	4.2
Omaha	310.5	321.9	330.2	(?)	(?)	(?)	11.9	12.2	12.8
Nevada	537.6	581.2	624.2	11.1	13.5	14.5	36.3	45.1	48.7
Las Vegas	307.6	340.4	377.0	.2	.3	.3	22.7	31.3	35.5
Reno	136.6	140.5	144.5	1.2	1.4	1.5	7.4	7.3	7.5
New Hampshire	529.0	529.1	509.1	.7	.6	.4	35.9	30.1	22.3
Manchester	86.3	85.9	81.9	(?)	(?)	(?)	5.8	4.9	3.3
Nashua	95.3	93.9	68.9	(?)	(?)	(?)	5.0	4.2	3.1
Portsmouth-Dover-Rochester	112.5	114.4	112.4	(?)	(?)	(?)	6.0	4.8	3.8
New Jersey	3,659.5	3,689.6	3,665.4	2.4	2.5	2.4	170.5	164.3	148.4
Atlantic City	168.9	171.9	176.5	(?)	(?)	(?)	10.0	9.9	8.5
Bergen-Passaic	672.6	671.8	653.0	(?)	(?)	(?)	33.4	31.3	27.5
Camden	437.3	452.4	450.1	(?)	(?)	(?)	24.5	25.5	23.2
Jersey City	247.4	252.2	247.5	(?)	(?)	(?)	7.0	7.0	6.4
Middlesex-Somerset-Hunterdon	532.1	544.1	548.0	.6	.7	.7	23.6	23.4	21.9
Monmouth-Ocean	331.4	338.2	333.8	(?)	(?)	(?)	21.2	20.1	16.3
Newark	956.4	961.7	939.6	.8	.8	.8	36.6	37.5	34.8
Trenton	197.0	196.8	198.2	(?)	(?)	(?)	5.3	5.3	4.7
Vineland-Millville-Bridgeton	57.8	58.7	59.8	.4	.4	.4	2.4	2.4	2.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Maine	108.0	105.5	102.1	21.2	22.0	22.2	131.8	137.6	134.5
Lewiston-Auburn	10.3	9.6	8.8	1.4	1.4	1.4	10.2	10.5	10.4
Portland	17.3	16.8	16.8	5.6	5.4	6.4	38.9	40.0	38.9
Maryland	210.2	209.8	206.5	96.8	100.9	102.0	535.6	538.8	533.2
Baltimore MSA	132.9	131.4	130.0	54.8	56.1	56.4	274.1	276.0	269.9
Baltimore City	44.7	44.5	44.3	28.2	28.3	28.2	96.6	92.9	87.7
Suburban Maryland-D.C.	36.7	37.9	36.6	28.7	32.0	32.6	199.9	198.9	198.1
Massachusetts	584.7	561.1	520.4	133.6	128.3	128.9	739.4	740.5	701.0
Boston	269.6	257.3	240.1	77.2	74.3	74.8	393.1	392.3	369.9
Brockton	10.8	10.0	9.2	5.0	4.5	4.7	23.0	23.8	22.7
Fall River	16.1	15.2	13.8	1.9	1.9	2.0	14.6	14.8	13.6
Fitchburg-Leominster	12.1	11.9	11.1	1.7	1.5	1.4	10.3	10.6	10.0
Lawrence-Haverhill	50.7	48.0	44.1	6.9	6.5	6.4	36.5	37.3	36.1
Lowell	37.0	35.7	31.2	4.8	4.6	5.0	23.3	23.2	22.3
New Bedford	18.8	18.1	16.0	2.9	2.9	2.8	17.0	17.0	16.6
Pittsfield	11.0	10.4	9.5	1.3	1.2	1.3	9.8	10.1	9.8
Springfield	50.4	48.5	46.1	9.8	10.0	10.2	57.6	57.7	53.9
Worcester	44.5	44.0	40.4	9.6	9.2	9.2	49.6	49.7	46.8
Michigan	955.4	971.3	940.2	153.8	155.3	157.1	894.3	922.6	944.4
Ann Arbor	39.1	38.1	38.0	4.6	4.9	5.2	29.8	30.5	32.2
Battle Creek	15.9	16.4	16.2	1.8	1.6	1.6	11.8	12.3	12.8
Benton Harbor	22.0	22.4	21.9	2.4	2.5	2.7	14.0	14.2	14.2
Detroit	460.7	461.4	443.5	87.5	88.3	89.3	453.6	465.5	473.6
Flint	49.5	51.4	50.6	4.2	4.4	4.4	40.1	42.8	44.0
Grand Rapids	99.7	102.6	102.0	11.7	12.0	12.3	86.2	93.2	96.0
Jackson	12.6	13.5	13.0	4.1	4.1	3.9	12.3	13.3	13.4
Kalamazoo	30.9	30.5	29.4	3.2	3.3	3.3	24.2	25.9	26.5
Lansing-East Lansing	34.1	32.7	31.2	5.5	5.6	5.7	44.8	47.3	47.7
Muskegon	17.1	16.8	16.5	2.2	2.3	2.2	13.2	14.1	14.3
Saginaw-Bay City-Midland	43.6	44.5	43.2	6.5	6.4	6.3	37.5	39.0	40.6
Minnesota	394.1	399.8	398.3	101.7	105.2	108.7	505.3	514.3	516.7
Duluth	7.8	8.5	8.5	5.7	5.8	6.0	23.0	23.9	24.5
Minneapolis-St. Paul	263.4	264.7	260.5	70.6	74.0	76.7	326.6	330.0	329.2
Rochester	11.2	11.8	12.0	1.7	1.9	1.9	12.1	12.9	13.4
St. Cloud	13.1	14.4	14.4	3.6	3.8	3.9	22.1	23.6	23.2
Mississippi	238.8	243.6	245.9	44.2	45.1	45.3	191.4	196.0	198.8
Jackson	21.0	21.3	21.5	13.3	13.4	12.8	42.9	43.6	44.0
Missouri	433.9	440.6	436.9	147.8	152.1	153.7	555.7	564.4	560.9
Kansas City	112.1	110.1	109.8	60.1	63.5	63.1	200.2	201.6	200.1
St. Louis	222.6	225.4	223.0	75.0	77.3	78.1	279.8	284.0	282.6
Springfield	21.5	21.4	21.7	6.9	7.3	7.6	32.0	33.1	34.5
Montana	21.3	22.3	22.4	19.6	20.0	20.1	74.7	77.1	78.4
Nebraska	93.6	94.7	98.4	44.3	45.5	45.8	178.5	183.9	186.7
Lincoln	14.2	14.6	15.0	6.2	6.4	6.8	26.7	26.5	26.5
Omaha	35.1	35.5	36.8	23.6	23.8	23.5	79.6	83.3	82.1
Nevada	24.9	25.4	26.4	29.1	30.6	32.4	109.8	118.7	125.3
Las Vegas	9.4	9.9	10.7	16.4	17.8	19.3	64.8	71.4	76.1
Reno	8.6	8.5	8.8	9.4	9.7	9.8	31.3	32.3	33.5
New Hampshire	117.9	113.6	105.8	18.4	18.2	17.7	135.9	137.2	129.6
Manchester	12.3	12.0	11.3	4.7	4.6	4.7	24.1	23.4	21.6
Nashua	35.5	33.6	30.8	2.6	2.7	2.4	22.9	23.5	21.7
Portsmouth-Dover-Rochester	21.2	21.5	20.5	3.2	3.0	3.1	29.7	29.7	28.9
New Jersey	666.3	639.6	599.6	239.9	240.9	237.4	882.4	887.1	877.3
Atlantic City	8.6	8.5	7.7	6.8	6.7	7.1	37.4	37.8	37.9
Bergen-Passaic	155.5	147.8	136.1	28.8	30.1	30.6	193.4	193.1	185.8
Camden	73.2	71.6	67.3	19.3	19.7	19.2	118.6	122.8	121.3
Jersey City	45.3	42.8	39.0	33.3	33.2	30.7	61.8	63.0	63.1
Middlesex-Somerset-Hunterdon	115.8	113.2	107.8	42.4	42.3	42.5	129.9	132.9	134.1
Monmouth-Ocean	29.0	27.9	25.9	17.6	16.4	15.1	90.9	92.1	90.8
Newark	176.0	169.2	157.9	78.6	78.8	77.5	197.4	195.3	187.7
Trenton	30.4	28.7	26.8	6.7	6.8	7.2	31.5	31.6	31.5
Vineland-Millville-Bridgeton	15.5	16.2	15.5	2.1	2.1	2.4	12.0	11.5	11.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Maine	25.1	25.3	25.0	115.9	124.5	128.7	91.6	94.1	95.5
Lewiston-Auburn	2.3	2.3	2.3	10.3	10.7	10.7	3.9	4.1	4.3
Portland	12.0	12.0	12.1	30.5	33.1	33.9	15.4	15.7	15.7
Maryland	129.1	131.0	131.9	568.8	599.0	623.0	399.1	411.3	419.3
Baltimore MSA	77.1	76.5	76.1	300.3	316.9	330.2	205.8	211.4	218.2
Baltimore City	45.7	45.7	45.1	144.7	149.9	155.0	91.0	92.1	92.9
Suburban Maryland-D.C.	43.5	45.4	46.6	218.8	228.5	234.9	154.3	159.3	160.0
Massachusetts	221.5	217.3	214.6	896.6	924.1	917.8	406.7	403.6	394.2
Boston	151.2	148.2	146.2	581.3	595.7	590.0	204.4	203.3	199.4
Brockton	3.4	3.4	3.3	15.9	18.5	16.2	12.2	11.9	12.2
Fall River	3.3	3.5	3.4	10.7	10.9	11.1	6.8	8.8	6.9
Fitchburg-Leominster	1.7	1.5	1.4	8.8	9.0	8.7	4.8	4.7	4.7
Lawrence-Haverhill	8.5	6.4	6.0	35.6	37.2	36.2	21.3	21.3	20.6
Lowell	3.9	3.7	3.4	21.5	22.0	21.1	13.3	13.2	13.1
New Bedford	2.5	2.5	2.4	14.0	14.6	14.8	9.9	9.9	9.6
Pittsfield	2.0	2.0	1.9	11.2	11.8	12.6	4.9	4.8	4.8
Springfield	15.9	15.7	15.4	59.3	61.6	62.6	39.2	38.7	38.0
Worcester	14.4	13.9	14.1	52.3	52.8	51.5	24.9	24.5	23.9
Michigan	186.2	187.4	191.1	863.3	912.2	938.5	623.5	623.2	628.6
Ann Arbor	4.7	4.9	4.9	34.8	37.8	39.8	51.4	51.9	54.6
Battle Creek	3.4	3.2	3.4	12.3	12.4	12.7	11.4	11.6	11.6
Benton Harbor	2.5	2.6	2.6	14.2	15.0	15.2	8.6	8.7	8.9
Detroit	110.3	109.8	112.6	484.4	506.4	520.6	243.4	236.2	234.6
Flint	5.8	6.0	6.5	31.9	35.1	36.9	23.3	23.0	23.2
Grand Rapids	15.2	15.6	16.1	70.4	76.9	80.7	32.8	33.4	34.0
Jackson	1.9	1.8	1.8	9.8	10.6	10.9	9.7	9.8	10.1
Kalamazoo	4.8	5.1	5.4	24.5	27.2	28.6	17.3	17.6	18.0
Lansing-East Lansing	12.2	12.6	12.9	40.3	42.1	43.9	67.3	67.2	69.0
Muskegon	1.4	1.5	1.5	11.9	12.4	12.7	9.3	9.5	9.5
Saginaw-Bay City-Midland	6.2	6.2	6.2	33.1	36.2	38.4	20.6	20.6	20.7
Minnesota	119.6	121.0	124.4	501.6	531.0	552.5	320.8	328.7	338.4
Duluth	3.1	3.2	3.2	22.4	24.1	24.7	21.5	21.4	22.1
Minneapolis-St. Paul	92.7	94.1	96.9	336.2	355.5	369.8	176.0	180.2	186.3
Rochester	1.5	1.8	1.8	25.2	26.6	27.9	6.2	6.3	6.7
St. Cloud	2.3	2.4	2.4	15.0	17.0	17.9	12.4	12.8	13.0
Mississippi	38.9	38.9	38.9	145.4	153.9	161.2	198.0	199.8	204.1
Jackson	14.6	14.7	14.3	39.8	41.8	43.7	39.9	40.8	41.7
Missouri	135.7	136.6	138.6	531.3	559.6	577.3	351.8	359.3	368.3
Kansas City	58.9	58.8	59.5	180.5	189.9	197.1	113.2	117.0	121.4
St. Louis	75.3	75.4	76.5	294.7	309.8	323.7	141.2	143.0	143.5
Springfield	5.1	5.3	5.3	28.7	30.5	32.5	14.1	14.6	15.2
Montana	13.5	13.2	13.3	68.0	72.2	75.6	70.7	70.3	70.9
Nebraska	47.4	47.9	48.4	160.5	169.5	178.7	137.8	139.7	144.3
Lincoln	8.3	8.5	8.5	26.1	27.2	28.2	30.7	31.3	32.7
Omaha	28.1	28.3	28.7	86.1	92.4	98.8	46.2	46.5	47.4
Nevada	24.5	25.9	28.3	235.1	251.1	272.4	67.0	70.8	76.2
Las Vegas	15.2	16.7	18.4	145.0	156.9	177.6	33.9	36.0	39.1
Reno	8.8	6.6	7.2	55.2	57.3	57.9	16.8	17.4	18.3
New Hampshire	32.3	32.4	31.7	119.4	125.9	128.1	68.7	71.2	73.4
Manchester	8.3	8.5	8.5	22.6	23.8	23.7	8.6	8.7	8.8
Nashua	3.8	3.5	3.5	18.4	19.0	19.9	7.0	7.5	7.6
Portsmouth-Dover-Rochester	7.0	7.2	7.1	20.3	22.4	22.9	25.0	25.8	26.1
New Jersey	236.1	241.7	240.0	911.1	954.7	988.7	550.9	559.0	571.8
Atlantic City	7.4	6.9	6.7	73.1	75.6	81.1	25.6	26.7	27.5
Bergen-Passaic	38.8	39.3	37.9	154.5	161.5	164.9	68.1	68.8	70.2
Camden	24.7	25.0	24.6	105.1	112.9	118.0	72.0	74.8	76.5
Jersey City	14.4	16.8	16.8	46.3	49.0	50.3	39.3	40.4	41.4
Middlesex-Somerset-Hunterdon	38.3	40.7	42.3	109.7	117.5	122.7	71.7	73.5	75.9
Monmouth-Ocean	18.7	19.9	19.5	92.0	97.7	100.5	62.1	64.2	65.7
Newark	78.3	78.6	75.4	250.6	263.2	269.2	136.1	138.4	138.4
Trenton	10.2	10.7	11.2	56.9	59.7	60.3	58.0	56.1	56.5
Vineland-Millville-Bridgeton	3.5	3.9	4.4	10.4	10.4	11.0	11.6	11.8	12.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
New Mexico	547.5	562.2	575.3	15.0	14.7	15.6	31.0	30.3	29.7
Albuquerque	236.9	242.0	246.1	(¹)	(¹)	(¹)	(²)	13.7	13.0
Las Cruces	41.1	43.0	44.0	(¹)	(¹)	(¹)	(²)	2.4	2.2
Santa Fe	55.4	57.5	60.5	(¹)	(¹)	(¹)	(²)	3.0	3.2
New York	8,186.9	8,245.8	8,208.7	6.0	5.7	5.4	337.8	336.6	314.3
Albany-Schenectady-Troy	416.4	428.9	435.1	.5	.5	.4	20.7	20.7	19.5
Binghamton	123.0	121.1	119.2	(¹)	(¹)	(¹)	5.6	5.4	5.0
Buffalo	447.3	457.6	481.9	(¹)	(¹)	(¹)	17.4	18.1	18.8
Elmira	40.2	41.6	41.6	(¹)	(¹)	(¹)	1.7	1.8	1.7
Glens Falls	48.3	48.1	47.9	(¹)	(¹)	(¹)	2.6	2.5	2.3
Nassau-Suffolk	1,137.4	1,137.6	1,123.5	(¹)	(¹)	(¹)	60.5	58.4	53.8
New York PMSA	4,134.8	4,137.1	4,097.1	(¹)	(¹)	(¹)	153.5	152.4	141.7
New York City	3,605.8	3,607.3	3,569.9	.5	.3	.3	120.1	120.8	112.9
Niagara Falls	82.1	84.8	86.1	(¹)	(¹)	(¹)	3.5	3.9	4.0
Orange County	105.0	107.9	106.5	(¹)	(¹)	(¹)	5.6	5.1	4.4
Poughkeepsie	120.3	121.0	121.3	(¹)	(¹)	(¹)	7.0	6.7	6.1
Rochester	479.2	489.4	490.3	.8	.7	.8	18.5	18.9	19.2
Rockland County	100.0	101.9	102.2	(¹)	(¹)	(¹)	5.0	5.1	4.4
Syracuse	304.1	311.4	317.2	(¹)	(¹)	(¹)	15.2	16.1	15.8
Utica-Rome	124.4	127.0	128.5	(¹)	(¹)	(¹)	4.1	4.3	4.3
Westchester County	410.3	408.8	406.2	(¹)	(¹)	(¹)	26.1	24.4	22.6
North Carolina	2,986.6	3,073.9	3,128.7	4.8	5.0	5.3	165.1	162.6	165.0
Asheville	81.1	85.2	88.3	(¹)	(¹)	(¹)	4.5	4.6	4.6
Charlotte-Gastonia-Rock Hill	598.6	614.4	629.9	(¹)	(¹)	(¹)	36.6	36.3	37.2
Greensboro-Winston-Salem-High Point	486.9	491.7	498.2	(¹)	(¹)	(¹)	25.7	24.9	24.9
Raleigh-Durham	401.1	419.7	432.0	(¹)	(¹)	(¹)	22.7	21.9	22.3
North Dakota	256.7	260.4	265.6	4.2	4.0	4.3	9.9	9.8	10.0
Bismarck	37.8	38.9	40.1	(¹)	(¹)	(¹)	1.7	1.7	2.0
Fargo-Moorhead	72.8	74.8	77.8	(¹)	(¹)	(¹)	3.4	3.6	3.7
Grand Forks	30.2	31.0	31.5	(¹)	(¹)	(¹)	1.3	1.4	1.2
Ohio	4,700.6	4,817.4	4,895.8	18.9	17.9	17.6	185.6	193.6	198.5
Akron	272.7	281.0	285.9	.6	.6	.6	9.7	10.1	10.5
Canton	160.1	164.5	166.0	.9	.8	.8	6.3	7.2	7.6
Cincinnati	701.6	724.5	744.0	.4	.4	.4	31.6	33.8	33.9
Cleveland	911.3	935.8	950.2	.9	.8	.8	29.4	33.0	34.7
Columbus	880.5	704.7	722.7	.9	.9	.9	29.2	29.7	29.5
Dayton-Springfield	437.7	448.4	452.2	.4	.5	.4	17.2	17.5	16.1
Toledo	286.6	291.9	290.7	.2	.2	.2	11.1	11.9	11.8
Youngstown-Warren	193.8	197.5	197.7	.5	.4	.4	7.3	7.9	8.3
Oklahoma	1,131.5	1,163.8	1,188.1	44.3	42.2	43.5	35.1	36.1	37.8
Enid	21.6	21.4	21.4	1.0	.9	.9	.8	.6	.7
Lawton	34.1	34.7	35.0	.3	.2	.3	1.1	1.0	.9
Oklahoma City	410.2	423.0	427.0	11.6	10.7	10.3	12.3	11.4	12.0
Tulsa	296.5	306.8	318.8	13.3	12.3	12.0	10.0	11.1	11.7
Oregon	1,156.0	1,209.4	1,248.1	1.3	1.5	1.6	39.9	46.1	52.5
Eugene-Springfield	109.8	115.2	118.5	.2	.2	.2	3.4	3.8	4.0
Medford	(²)	59.5	54.3	(²)	.1	.1	(²)	1.9	2.0
Portland	583.2	614.4	636.8	.4	.5	.5	22.0	25.9	29.4
Salem	101.5	104.7	108.4	.1	.1	.1	3.5	4.1	4.7
Pennsylvania	5,041.7	5,138.5	5,177.4	28.7	27.3	27.5	229.6	233.0	228.7
Allentown-Bethlehem	277.4	284.1	287.8	.6	.6	.5	13.7	13.9	13.0
Altoona	51.7	52.6	54.3	(¹)	(¹)	(¹)	2.5	2.6	2.4
Beaver County	49.8	50.0	50.6	(¹)	(¹)	(¹)	2.3	2.6	2.5
Erie	114.4	117.5	120.4	(¹)	(¹)	(¹)	3.6	3.7	3.9
Harrisburg-Lebanon-Carlisle	302.8	311.5	315.5	.3	.4	.5	13.4	14.0	14.1
Johnstown	79.0	81.4	83.2	2.9	2.7	2.8	2.8	3.3	3.5
Lancaster	184.3	190.9	193.5	.4	.4	.4	11.3	12.1	12.2
Philadelphia PMSA	2,186.4	2,210.2	2,220.5	1.1	1.1	1.1	105.4	104.1	99.6
Philadelphia City	775.9	761.6	749.2	(¹)	(¹)	(¹)	17.5	17.0	15.8
Pittsburgh	878.9	900.2	919.8	4.8	4.5	4.5	41.4	42.3	43.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
New Mexico	40.4	42.6	43.1	29.0	28.9	28.7	130.3	134.4	136.9
Albuquerque	20.8	21.4	21.2	12.8	12.8	12.7	59.6	61.1	61.1
Las Cruces	3.8	3.7	3.8	1.4	1.6	1.6	8.8	9.1	9.2
Santa Fe	1.6	1.8	1.9	1.1	.9	1.0	10.5	11.3	11.9
New York	1,212.5	1,189.0	1,131.2	413.7	412.0	428.3	1,717.2	1,723.9	1,684.8
Albany-Schenectady-Troy	47.7	46.8	46.2	16.7	16.8	17.2	89.4	91.7	92.6
Binghamton	38.8	36.3	34.0	4.3	4.4	4.3	25.9	25.5	25.5
Buffalo	77.7	78.8	74.2	21.7	21.8	23.1	111.8	115.5	115.2
Elmira	8.5	9.0	8.8	1.4	1.4	1.5	10.6	10.6	10.3
Glens Falls	10.4	10.5	10.2	1.5	1.5	1.7	11.4	11.5	11.0
Nassau-Suffolk	170.5	162.1	150.5	49.4	48.0	50.4	303.5	299.9	289.5
New York PMSA	450.3	435.6	410.4	245.1	242.3	251.7	758.1	751.7	723.5
New York City	370.1	359.5	337.5	219.5	217.5	225.1	834.3	830.2	805.5
Niagara Falls	23.9	23.8	23.1	3.8	4.0	4.1	19.3	20.3	21.0
Orange County	15.1	14.8	13.9	8.1	6.5	6.5	28.5	29.7	28.6
Poughkeepsie	30.8	30.4	29.9	3.5	3.7	3.9	22.5	22.3	22.2
Rochester	136.5	139.0	133.3	14.5	15.2	15.2	101.8	104.6	104.9
Rockland County	15.3	15.1	15.1	4.7	4.8	5.2	23.2	23.2	22.9
Syracuse	53.4	53.1	51.8	18.2	18.8	19.5	72.5	75.7	77.1
Utica-Rome	24.6	24.6	23.7	4.3	4.2	4.4	27.1	28.0	27.9
Westchester County	63.0	58.9	55.8	20.3	19.3	20.8	96.1	93.8	90.7
North Carolina	867.5	871.1	862.9	147.9	151.1	152.1	686.0	711.8	718.3
Asheville	19.2	20.1	20.4	3.9	4.1	4.2	19.6	20.6	21.7
Charlotte-Gastonia-Rock Hill	155.6	154.2	153.8	49.0	49.7	51.3	147.8	152.8	154.0
Greensboro-Winston-Salem-High Point	155.2	151.9	149.5	27.1	26.4	26.3	110.5	112.9	114.4
Raleigh-Durham	60.2	62.3	63.8	18.6	20.5	21.5	86.2	89.3	90.5
North Dakota	16.4	16.5	17.3	16.8	17.0	17.1	88.3	89.3	70.2
Bismarck	2.1	2.2	2.2	2.7	2.8	2.8	9.9	10.3	10.4
Fargo-Moorhead	5.1	5.3	5.7	4.6	4.7	4.7	21.3	21.6	22.4
Grand Forks	1.7	1.6	1.5	1.7	1.6	1.7	8.6	8.9	9.3
Ohio	1,110.8	1,122.6	1,111.7	212.1	216.4	219.7	1,133.8	1,161.1	1,173.6
Akron	86.2	87.3	87.0	12.8	13.3	13.8	68.0	70.0	69.2
Canton	45.3	45.7	44.8	5.7	5.7	5.6	40.1	41.2	41.4
Cincinnati	145.7	148.2	148.1	37.8	39.2	41.2	180.0	188.4	189.5
Cleveland	203.3	207.6	206.6	41.5	42.1	42.9	220.5	223.9	227.9
Columbus	102.6	104.9	104.5	30.0	31.2	30.9	174.0	181.1	184.1
Dayton-Springfield	105.0	105.0	102.6	16.8	17.5	18.4	98.7	100.4	101.9
Toledo	62.7	61.5	59.2	13.4	14.1	14.8	71.8	73.0	72.1
Youngstown-Warren	50.5	50.0	48.0	7.7	7.6	7.3	50.1	52.5	53.4
Oklahoma	161.4	164.4	165.7	63.7	65.6	67.6	273.3	276.1	276.8
Enid	1.5	1.6	1.6	2.1	2.2	2.1	6.3	6.2	6.1
Lawton	3.3	3.4	3.5	1.6	2.0	1.8	8.3	8.5	8.7
Oklahoma City	48.1	49.0	47.8	19.9	20.7	21.2	101.5	103.5	103.2
Tulsa	51.0	53.8	56.6	23.6	24.6	25.6	71.4	72.4	74.0
Oregon	214.2	218.4	218.8	60.5	63.1	63.8	292.4	305.9	313.2
Eugene-Springfield	20.9	21.4	20.7	4.3	4.4	4.5	27.8	29.3	30.5
Medford	9.3	9.2	8.8	(¹)	2.9	2.9	(²)	15.6	16.0
Portland	98.3	101.7	104.1	35.7	37.3	37.6	154.3	161.4	164.8
Salem	15.3	15.4	15.8	2.9	2.9	2.9	22.8	23.3	23.8
Pennsylvania	1,055.2	1,047.0	1,014.9	253.3	256.5	266.4	1,155.6	1,183.6	1,181.7
Allentown-Bethlehem	78.5	75.4	74.4	14.3	14.6	14.7	61.4	62.8	63.7
Alltoona	11.0	10.7	10.9	4.5	4.7	4.8	13.3	13.9	14.3
Beaver County	9.4	9.2	9.3	5.0	5.2	5.3	11.5	11.6	11.7
Erie	35.5	36.1	36.4	4.1	4.2	4.4	25.1	25.6	26.1
Harrisburg-Lebanon-Carlisle	52.2	50.9	49.7	19.1	19.5	20.3	68.8	71.2	70.0
Johnstown	13.8	14.3	14.2	5.1	5.4	5.5	17.0	17.8	18.4
Lancaster	59.9	59.5	57.6	7.4	7.6	7.7	44.8	47.6	48.4
Philadelphia PMSA	373.7	364.0	348.4	101.1	100.6	100.5	506.7	514.1	508.4
Philadelphia City	92.2	87.0	82.2	44.4	40.9	40.3	149.3	144.3	136.5
Pittsburgh	125.4	123.1	119.4	48.0	49.5	54.1	222.0	226.0	225.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
New Mexico	26.6	26.4	26.1	133.4	140.0	146.2	141.6	144.9	149.1
Albuquerque	14.7	14.4	13.9	67.9	70.9	74.7	46.3	48.0	49.5
Las Cruces	1.6	1.6	1.6	6.9	7.8	7.8	18.2	17.0	18.0
Santa Fe	2.1	2.1	2.3	14.8	15.5	16.2	22.3	23.0	24.1
New York	797.3	790.7	777.0	2,268.8	2,340.3	2,395.8	1,433.2	1,447.6	1,471.9
Albany-Schenectady-Troy	24.1	24.8	25.2	105.6	112.6	118.2	111.8	112.8	115.7
Binghamton	4.2	4.1	4.1	23.3	24.3	25.1	21.0	21.1	21.2
Buffalo	27.8	28.0	27.5	116.1	122.6	126.9	75.0	74.7	76.2
Elmira	1.4	1.5	1.5	9.9	10.3	10.5	8.6	6.9	7.2
Glens Falls	2.1	1.7	1.7	11.3	11.2	11.8	9.1	9.3	9.6
Nassau-Suffolk	79.0	81.5	81.1	292.9	304.0	312.7	181.5	183.5	185.4
New York PMSA	577.4	566.1	552.8	1,272.7	1,304.8	1,324.6	677.7	684.1	692.3
New York City	542.4	530.2	516.9	1,123.1	1,147.2	1,163.3	595.7	601.5	608.3
Niagara Falls	2.0	2.0	2.0	17.0	17.7	18.6	12.6	13.0	13.2
Orange County	4.5	4.7	4.9	22.4	23.8	24.2	22.8	23.5	24.0
Poughkeepsie	4.8	4.8	4.8	27.6	28.9	29.5	24.3	24.3	24.9
Rochester	22.7	22.9	23.3	118.5	121.7	125.4	66.0	66.4	68.3
Rockland County	5.3	5.3	5.3	25.5	27.0	27.7	21.1	21.3	21.6
Syracuse	20.2	20.0	20.6	73.1	75.8	79.0	51.5	52.3	53.6
Utica-Rome	7.1	7.3	7.4	26.9	27.8	28.8	30.2	30.9	31.9
Westchester County	29.0	29.8	29.7	119.0	125.3	128.4	56.9	57.2	58.3
North Carolina	130.3	132.2	134.5	526.2	562.9	597.1	458.7	477.2	493.6
Asheville	2.8	2.9	3.0	19.3	20.5	21.5	11.9	12.4	12.9
Charlotte-Gastonia-Rock Hill	37.4	37.9	38.2	107.9	116.0	124.1	64.3	67.5	71.3
Greensboro-Winston-Salem-High Point	24.0	24.0	24.2	92.3	97.9	103.5	52.1	53.7	55.5
Raleigh-Durham	23.3	23.7	24.4	99.8	108.2	114.7	90.4	93.9	94.8
North Dakota	12.3	12.3	12.4	64.0	66.0	68.9	64.8	65.6	65.3
Bismarck	1.6	1.5	1.5	11.1	11.7	12.4	8.5	8.9	8.8
Fargo-Moorhead	4.4	4.5	4.6	20.0	20.8	21.7	14.0	14.3	14.8
Grand Forks	1.1	1.1	1.1	6.8	7.0	7.2	9.0	9.4	9.5
Ohio	249.0	252.4	254.9	1,096.8	1,147.1	1,195.6	893.8	706.4	724.2
Akron	10.5	10.5	10.8	61.8	65.6	69.2	43.2	43.6	44.8
Canton	6.5	6.9	6.8	36.5	38.2	39.7	18.8	18.9	19.4
Cincinnati	42.0	42.9	43.8	176.4	183.6	193.1	87.7	90.1	94.2
Cleveland	56.1	57.1	58.0	243.3	253.4	259.7	116.3	117.9	119.6
Columbus	58.7	59.9	60.7	182.5	172.2	182.7	122.7	125.0	129.3
Dayton-Springfield	17.9	17.6	17.3	108.4	114.0	118.2	73.3	75.8	77.1
Toledo	12.2	12.1	12.1	72.9	75.5	76.8	42.3	43.4	43.9
Youngstown-Warren	8.3	8.6	8.4	45.2	46.5	47.6	24.1	24.0	24.2
Oklahoma	58.7	58.7	59.3	246.7	263.6	272.4	248.5	257.2	262.9
Enid	1.0	.9	.9	5.3	5.1	5.2	3.5	3.8	3.9
Lawton	1.6	1.6	1.8	6.4	6.3	6.4	11.6	11.7	11.8
Oklahoma City	24.2	24.5	24.5	96.6	103.5	106.1	95.7	99.8	102.0
Tulsa	18.8	16.8	17.6	73.9	79.0	82.7	36.4	36.9	38.7
Oregon	73.3	75.9	79.2	263.2	282.9	295.9	211.2	215.6	223.2
Eugene-Springfield	5.3	5.6	5.7	25.1	27.3	28.7	23.0	23.3	24.3
Medford	(¹)	2.5	2.6	(¹)	11.8	12.5	(¹)	9.4	9.5
Portland	48.0	49.5	51.2	145.3	156.9	165.5	79.3	81.1	83.9
Salem	5.6	5.4	5.9	20.8	22.2	23.3	30.5	31.2	31.8
Pennsylvania	293.6	297.4	300.2	1,331.0	1,395.9	1,450.4	894.6	697.9	707.5
Allentown-Bethlehem	13.5	14.4	14.8	67.5	71.9	75.4	30.0	30.5	31.4
Altoona	1.8	2.0	2.2	11.2	11.7	12.3	7.4	7.2	7.4
Beaver County	1.7	1.7	1.8	11.9	11.8	12.4	7.9	8.0	7.9
Erie	5.3	5.5	5.5	27.2	28.6	30.3	13.6	13.8	13.9
Harrisburg-Lebanon-Carlisle	18.4	20.0	21.1	64.9	68.7	71.5	65.4	66.7	68.4
Johnstown	4.7	4.5	4.7	19.8	20.5	21.2	12.9	12.9	12.9
Lancaster	7.0	7.4	7.8	38.0	40.2	42.5	15.6	16.2	16.9
Philadelphia PMSA	163.1	161.9	162.1	831.8	862.8	895.7	301.5	301.6	304.9
Philadelphia City	71.5	68.6	65.0	257.2	262.1	266.6	143.8	141.7	143.0
Pittsburgh	52.2	53.8	55.4	279.2	294.8	310.9	105.9	106.1	106.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Pennsylvania-Continued									
Reading	150.1	154.2	154.0	(¹)	(¹)	(¹)	7.1	7.2	7.3
Scranton-Wilkes-Barre	298.9	306.0	308.0	0.6	0.6	0.6	13.6	14.4	13.7
Sharon	42.1	43.6	44.5	(¹)	(¹)	(¹)	1.3	1.4	1.5
State College	55.5	58.7	60.8	.4	.4	.4	2.5	2.8	2.7
Williamsport	51.0	51.9	51.2	(¹)	(¹)	(¹)	2.2	2.4	2.6
York	177.0	181.4	182.2	.5	.5	.5	9.8	10.5	10.3
Rhode Island									
Pawtucket-Woonsocket-Attleboro	459.4	461.9	449.9	.2	.1	.2	21.2	20.3	18.1
Providence	131.2	132.5	127.8	.2	.2	.2	6.0	5.3	4.4
	323.7	324.9	319.3	.1	.1	.1	15.4	14.8	13.6
South Carolina									
Charleston	1,449.0	1,500.3	1,549.0	1.8	1.9	2.1	90.7	92.7	101.3
Columbia	193.1	197.5	208.8	(¹)	(¹)	(¹)	13.4	13.8	16.2
Greenville-Spartanburg	232.6	239.6	246.9	(¹)	(¹)	(¹)	14.4	14.1	14.6
	321.8	330.4	337.2	(¹)	(¹)	(¹)	22.9	23.3	25.7
South Dakota									
Rapid City	266.1	276.0	288.5	2.7	2.6	2.6	9.5	10.3	11.7
Sioux Falls	35.2	36.5	38.5	.3	.2	.2	1.7	1.8	2.3
	68.6	71.4	75.2	(¹)	(¹)	(¹)	2.9	3.1	3.6
Tennessee									
Chattanooga	2,092.1	2,167.2	2,195.2	6.6	6.3	6.2	96.7	97.2	92.9
Johnson City-Kingsport-Bristol	195.6	200.0	202.1	.7	.7	.6	8.0	7.8	7.2
Knoxville	163.7	168.9	172.2	(¹)	(¹)	(¹)	7.4	7.4	6.8
Memphis	259.7	266.0	266.7	1.7	1.7	1.4	13.6	15.1	13.5
Nashville	452.8	471.8	476.3	(¹)	(¹)	(¹)	19.6	20.2	20.2
	490.0	497.2	502.4	(¹)	(¹)	(¹)	27.5	25.8	24.6
Texas									
Abilene	6,677.8	6,840.0	7,032.5	184.3	174.0	179.4	328.8	323.6	332.1
Amarillo	48.8	48.5	48.4	1.9	1.5	1.5	1.9	1.8	1.5
Austin	77.1	76.8	78.2	1.3	1.3	1.1	3.5	3.4	3.1
Beaumont-Port Arthur	355.2	363.1	377.3	.7	.6	.7	14.0	11.6	11.9
Brazoria	133.4	135.7	142.3	1.8	1.5	1.8	9.3	10.0	11.2
Brownsville-Harlingen	59.2	63.0	66.2	2.2	2.0	2.0	6.8	8.5	8.7
Bryan-College Station	68.6	72.8	75.0	(¹)	(¹)	(¹)	2.1	2.0	2.3
Corpus Christi	50.1	52.4	54.2	.6	.5	.6	1.9	1.8	1.9
Dallas	125.7	128.8	135.4	3.9	3.6	3.9	8.0	9.1	12.7
El Paso	1,328.2	1,349.8	1,372.6	18.8	17.7	17.9	54.1	47.4	46.6
Ft. Worth-Arlington	194.8	203.6	207.5	(¹)	(¹)	(¹)	8.9	8.1	8.0
Galveston-Texas City	549.0	566.4	587.9	3.5	3.9	4.4	22.6	21.0	22.4
Houston	71.9	74.9	76.1	.5	.5	.6	4.7	5.7	4.5
Killeen-Temple	1,447.9	1,515.2	1,596.5	65.8	65.2	68.4	88.0	98.8	109.7
Laredo	70.6	72.8	73.7	(¹)	(¹)	(¹)	3.5	3.4	2.4
Longview-Marshall	38.9	42.0	44.5	1.7	1.6	1.7	1.2	1.2	1.3
Lubbock	66.4	67.3	69.5	3.6	3.4	3.5	3.4	3.1	3.7
McAllen-Edinburg-Mission	93.3	94.9	98.4	.4	.3	.2	3.2	3.1	3.3
Midland	93.2	99.2	102.0	.9	.9	.9	4.1	4.1	4.5
Odessa	45.3	44.5	44.3	9.9	9.0	9.0	1.4	1.3	1.4
San Angelo	43.6	42.8	43.8	5.9	5.2	5.2	2.2	2.0	2.3
San Antonio	37.0	38.9	36.3	.5	.5	.5	1.5	1.2	1.1
Sherman-Denison	502.6	515.7	520.2	2.4	1.9	1.8	25.1	21.7	21.7
Texarkana	37.1	37.2	38.0	(¹)	(¹)	(¹)	1.5	1.7	1.5
Tyler	45.0	46.7	47.0	.1	.1	.1	1.7	1.6	1.4
Victoria	60.7	61.3	62.3	1.9	1.7	1.7	1.9	1.7	1.8
Waco	27.4	27.8	28.2	1.5	1.4	1.5	1.5	1.5	1.7
Wichita Falls	76.8	80.2	81.8	(¹)	(¹)	(¹)	3.5	3.2	3.1
	50.7	50.1	50.2	1.8	1.5	1.4	1.8	1.7	1.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Pennsylvania—Continued									
Reading	48.1	48.6	46.1	6.6	8.6	6.6	33.2	34.0	34.2
Scranton—Wilkes-Barre	71.7	71.4	69.4	16.0	16.2	16.7	69.2	72.5	73.4
Sharon	10.8	11.6	11.7	1.9	2.0	2.1	10.4	10.8	11.0
State College	7.9	8.2	8.6	1.4	1.5	1.7	10.8	11.4	11.8
Williamsport	16.7	16.2	15.4	1.8	1.7	1.7	11.5	11.9	11.7
York	61.8	60.7	57.5	7.4	7.8	8.0	42.7	44.6	46.6
Rhode Island									
Pawtucket—Woonsocket—Attleboro	112.4	108.3	99.3	15.6	15.5	15.8	105.6	106.9	97.9
Providence	50.0	49.4	46.0	3.6	3.8	3.7	32.8	33.9	32.7
Providence	71.9	68.9	62.8	12.0	11.5	12.0	71.6	71.7	65.7
South Carolina									
Charleston	385.0	389.7	382.8	62.3	64.1	67.2	324.9	336.6	348.7
Columbia	20.5	21.0	21.4	10.7	10.4	10.9	47.6	49.0	52.0
Columbia	29.0	28.7	27.8	10.8	11.1	11.5	52.1	54.5	55.5
Greenville—Spartanburg	103.2	103.6	99.7	12.3	13.3	14.6	74.9	77.5	78.8
South Dakota									
Rapid City	31.6	32.3	34.0	13.5	13.5	13.3	69.8	72.5	76.0
Rapid City	3.3	3.7	4.0	1.9	2.0	1.9	10.4	10.7	11.1
Sioux Falls	8.5	8.6	9.0	5.3	5.1	4.9	18.9	20.0	21.1
Tennessee									
Chattanooga	511.9	524.5	522.6	109.2	115.8	116.8	495.6	508.4	517.2
Chattanooga	46.6	47.4	46.7	8.6	8.7	9.2	46.6	47.8	48.2
Johnson City—Kingsport—Bristol	52.6	54.1	53.8	6.2	6.1	6.1	37.4	38.9	40.2
Knoxville	52.7	51.9	50.2	10.2	10.9	11.4	85.8	69.2	70.2
Memphis	62.2	62.6	62.3	41.6	46.8	47.3	122.0	125.2	125.6
Nashville	90.2	90.3	89.4	25.2	26.7	26.9	119.6	122.1	123.6
Texas									
Abilene	962.6	979.1	986.2	389.4	404.8	422.4	1,656.4	1,688.7	1,705.8
Abilene	4.7	4.9	4.7	2.5	2.6	2.8	13.3	13.0	12.6
Amarillo	9.6	8.9	8.7	5.6	5.5	5.5	22.3	22.4	22.7
Austin	41.6	44.7	48.3	10.7	11.3	11.7	77.7	78.1	77.4
Beaumont—Port Arthur	24.9	24.6	25.1	9.7	9.6	9.6	31.8	32.0	32.7
Brazoria	15.4	16.0	16.6	2.6	2.7	2.9	11.1	11.7	12.6
Brownsville—Harlingen	10.0	11.0	11.3	3.1	3.2	3.2	18.0	19.3	20.2
Bryan—College Station	3.6	3.6	3.6	1.4	1.3	1.3	11.1	11.5	11.3
Corpus Christi	11.7	11.6	12.1	6.7	6.8	6.6	31.8	32.0	31.8
Dallas	223.7	223.3	220.9	74.1	78.2	82.6	342.9	345.8	352.5
El Paso	40.6	41.6	41.7	10.6	10.7	10.9	47.3	50.9	51.9
Ft. Worth—Arlington	120.2	119.7	118.1	47.7	51.8	55.0	140.8	145.4	150.8
Galveston—Texas City	8.3	8.9	8.7	4.9	4.9	5.1	14.0	14.2	15.0
Houston	156.5	163.9	173.9	102.3	106.6	109.6	357.4	368.6	373.2
Killeen—Temple	8.2	8.7	8.6	2.6	2.7	2.5	16.3	16.7	16.4
Laredo	1.8	1.8	1.7	5.0	5.8	6.1	11.9	13.3	14.1
Longview—Marshall	15.8	16.2	16.5	3.0	3.3	3.4	17.0	16.9	16.9
Lubbock	7.1	7.3	7.2	4.8	5.1	5.5	27.8	27.8	28.5
McAllen—Edinburg—Mission	12.6	13.4	13.6	2.9	3.0	3.1	28.7	31.3	31.6
Midland	2.5	2.4	2.2	2.4	2.3	2.4	10.5	10.7	10.4
Odessa	4.0	4.1	4.3	2.2	1.9	2.0	12.7	12.4	12.5
San Angelo	5.5	5.4	4.9	3.2	2.9	2.6	9.3	9.2	9.0
San Antonio	47.7	48.2	44.5	19.2	20.2	21.9	127.8	130.5	130.3
Sherman—Denison	11.2	10.9	11.1	1.9	1.6	1.6	8.1	7.9	7.9
Texarkana	7.4	7.2	7.0	2.0	2.3	2.3	10.5	10.8	11.0
Tyler	10.6	10.8	11.1	2.6	2.7	2.8	16.1	16.3	16.0
Victoria	3.1	3.1	3.0	1.3	1.3	1.4	7.6	7.6	7.6
Waco	14.9	15.4	15.7	3.4	3.4	3.5	18.5	18.5	19.0
Wichita Falls	8.4	8.4	8.3	2.6	2.6	2.7	11.8	11.5	11.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Pennsylvania—Continued									
Reading	8.1	8.5	8.3	30.4	32.3	33.8	18.7	17.1	17.7
Scranton—Wilkes-Barre	13.0	13.1	13.8	73.2	78.3	78.4	41.8	41.5	42.1
Sharon	1.4	1.4	1.4	11.2	11.3	11.4	5.1	5.1	5.4
State College	1.7	1.8	1.9	9.9	10.7	11.0	20.9	21.8	22.7
Williamsport	2.4	2.4	2.3	9.9	10.6	10.7	6.8	8.8	8.8
York	4.9	5.2	5.3	31.9	33.8	35.1	18.1	18.4	19.0
Rhode Island									
.....	27.2	26.8	27.1	118.3	124.9	128.4	58.9	59.1	63.2
Pawtucket—Woonsocket—Attleboro	3.8	3.8	3.7	24.6	26.1	26.0	10.2	10.0	11.2
Providence	22.7	22.0	22.4	88.5	91.4	98.3	43.7	44.4	48.4
South Carolina									
.....	65.4	87.1	66.4	257.4	275.2	296.6	261.5	273.1	284.0
Charleston	8.8	8.5	7.8	40.8	42.2	46.0	51.6	52.7	54.6
Columbia	17.8	18.5	18.0	45.8	47.8	52.5	62.9	64.9	67.1
Greenville—Spartanburg	12.0	12.0	12.0	56.2	61.2	64.8	40.4	39.5	41.7
South Dakota									
.....	14.8	15.7	18.3	64.5	67.5	71.7	60.1	61.6	62.8
Rapid City	1.6	1.6	1.5	9.1	9.5	10.3	6.9	7.0	7.2
Sioux Falls	6.5	7.5	8.1	19.0	19.6	20.9	7.5	7.6	7.7
Tennessee									
.....	103.2	103.4	102.4	440.3	467.2	486.6	328.4	344.3	350.7
Chattanooga	12.5	12.4	13.0	38.6	40.8	42.5	34.1	34.4	34.7
Johnson City—Kingsport—Bristol	5.2	5.3	5.2	30.7	32.7	34.9	24.2	24.4	25.3
Knoxville	10.0	10.1	10.2	54.8	56.3	58.0	50.8	50.8	51.9
Memphis	25.2	25.5	25.1	108.4	116.4	120.2	73.8	75.2	75.7
Nashville	33.6	32.0	30.9	126.5	131.7	138.2	87.4	68.7	89.0
Texas									
.....	439.1	434.6	430.2	1,541.9	1,628.6	1,705.2	1,175.5	1,206.6	1,270.9
Abilene	2.4	2.2	2.0	13.4	13.7	14.2	8.7	9.0	9.1
Amarillo	4.5	4.2	4.3	16.8	17.2	17.8	13.8	13.9	14.9
Austin	24.2	23.8	23.5	85.9	90.6	96.3	100.5	102.9	107.4
Beaumont—Port Arthur	5.2	5.3	5.4	30.5	31.9	35.1	20.2	20.8	21.4
Brazoria	1.8	1.8	1.6	8.3	8.9	9.7	11.0	11.4	12.0
Brownsville—Harlingen	3.6	3.6	3.4	15.5	16.7	17.0	16.4	16.9	17.4
Bryan—College Station	1.7	1.8	1.6	6.9	9.5	10.5	20.8	22.4	23.3
Corpus Christi	6.8	6.5	6.2	29.2	30.4	31.9	27.7	28.6	30.0
Dallas	129.6	129.1	125.7	333.8	352.9	366.6	151.2	155.3	159.9
El Paso	8.9	8.6	8.4	38.3	41.7	43.4	40.6	42.0	43.5
Ft. Worth—Arlington	27.7	28.1	27.4	116.7	125.6	135.0	67.7	70.8	75.0
Galveston—Texas City	4.3	4.8	5.0	13.7	14.0	14.7	21.5	21.9	22.4
Houston	102.1	101.6	102.3	388.4	414.2	452.7	187.5	196.4	206.7
Killeen—Temple	2.9	3.1	3.3	15.8	17.0	17.6	21.2	21.4	22.6
Laredo	1.7	1.8	1.8	6.4	7.1	7.9	9.1	9.5	9.9
Longview—Marshall	2.8	2.7	2.6	12.2	13.0	13.8	8.4	8.8	8.9
Lubbock	5.4	5.3	5.4	23.3	24.0	25.2	21.4	21.9	22.9
McAllen—Edinburg—Mission	3.8	4.1	4.0	15.7	16.6	17.8	24.5	26.0	26.5
Midland	2.6	2.4	2.4	9.8	9.6	9.5	6.4	6.8	7.0
Odessa	1.7	1.6	1.5	7.2	7.7	8.0	7.7	7.9	8.0
San Angelo	1.7	1.6	1.6	8.4	6.9	9.0	6.6	7.1	7.5
San Antonio	39.8	40.6	39.6	125.9	134.5	140.4	114.7	118.1	120.1
Sherman—Denison	1.8	2.0	2.0	8.4	8.6	9.6	4.4	4.4	4.5
Texarkana	1.9	1.8	1.8	9.6	10.3	11.0	12.0	12.6	12.4
Tyler	3.4	3.4	3.4	14.6	14.9	15.7	9.6	9.8	9.6
Victoria	1.6	1.6	1.8	5.9	6.1	6.2	4.6	5.1	5.2
Waco	4.9	5.1	5.3	21.3	21.8	22.2	12.4	12.8	13.2
Wichita Falls	2.4	2.3	2.2	12.1	12.4	12.5	9.7	9.7	9.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Total			Mining			Construction		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Utah	660.0	691.1	723.1	8.1	8.1	8.6	24.9	25.9	27.6
Provo-Orem	81.3	87.0	93.7	(¹)	(¹)	(¹)	2.7	2.8	3.0
Salt Lake City-Ogden	454.6	473.2	493.6	2.7	2.6	2.8	17.5	18.0	19.2
Vermont	256.1	261.8	257.5	.5	.5	.5	17.5	17.9	14.8
Barre-Montpelier	34.6	34.9	34.1	(¹)	(¹)	(¹)	2.4	2.4	2.0
Burlington	77.4	80.5	79.9	(¹)	(¹)	(¹)	5.0	5.4	4.5
Virginia	2,772.5	2,861.9	2,897.6	15.9	14.9	15.5	191.0	195.5	183.0
Bristol	32.3	33.3	34.3	(¹)	(¹)	(¹)	1.0	1.1	1.1
Charlottesville	67.7	71.4	72.4	(¹)	(¹)	(¹)	4.1	4.3	4.3
Danville	41.3	42.3	42.0	(¹)	(¹)	(¹)	2.0	2.1	2.1
Lynchburg	73.6	78.8	77.4	(¹)	(¹)	(¹)	3.7	3.7	3.7
Norfolk-Virginia Beach-Newport News	568.0	580.3	586.5	(¹)	(¹)	(¹)	38.1	36.8	35.2
Northern Virginia	742.7	773.8	776.1	.5	.6	.6	58.9	62.9	53.7
Richmond-Petersburg	454.2	468.4	476.2	.9	.8	.7	30.2	30.8	31.0
Roanoke	122.7	126.1	127.9	(¹)	(¹)	(¹)	7.6	7.8	7.8
Washington	1,943.2	2,052.4	2,155.2	3.3	3.6	3.8	96.6	107.1	119.0
Seattle	992.1	1,061.6	1,110.5	.5	.6	.6	52.3	57.1	61.7
West Virginia	609.8	614.7	627.8	34.6	33.3	35.5	24.3	24.6	26.6
Charleston	107.4	108.6	112.0	1.9	1.9	2.1	4.2	4.7	4.8
Huntington-Ashland	106.1	108.7	111.1	1.5	1.4	1.5	4.6	5.1	5.0
Parkersburg-Marietta	60.5	61.0	61.7	.5	.5	.5	3.1	3.0	2.8
Wheeling	59.3	59.9	60.3	2.3	2.2	2.3	2.1	2.1	1.9
Wisconsin	2,168.5	2,236.4	2,280.3	2.1	2.3	2.3	76.4	80.7	81.0
Appleton-Oshkosh-Neenah	151.6	156.4	180.7	(¹)	(¹)	(¹)	7.4	7.2	7.6
Eau Claire	57.2	59.1	58.1	(¹)	(¹)	(¹)	1.9	1.9	2.2
Green Bay	97.0	101.3	105.5	(¹)	(¹)	(¹)	3.7	4.3	5.1
Janesville-Beloit	57.1	58.6	60.0	(¹)	(¹)	(¹)	1.6	1.8	1.5
Kenosha	42.5	40.0	41.2	(¹)	(¹)	(¹)	1.6	1.6	1.7
La Crosse	53.0	53.3	52.9	(¹)	(¹)	(¹)	1.6	1.7	1.5
Madison	205.1	212.8	220.6	(¹)	(¹)	(¹)	7.9	8.4	8.3
Milwaukee	722.4	742.9	754.6	(¹)	(¹)	(¹)	24.6	26.4	26.0
Racine	73.6	75.6	76.7	(¹)	(¹)	(¹)	2.2	2.5	2.4
Sheboygan	49.5	51.5	51.9	(¹)	(¹)	(¹)	1.6	1.6	1.6
Wausau	48.8	51.6	52.3	(¹)	(¹)	(¹)	2.0	2.1	2.1
Wyoming	189.0	192.8	196.8	18.1	17.4	18.2	10.4	10.2	10.9
Casper	27.6	27.5	28.6	2.7	2.4	2.5	1.7	1.5	1.6
Puerto Rico	817.8	837.4	845.1	.8	1.0	1.0	41.5	45.1	45.2
Caguas	51.9	53.4	54.2	(¹)	(¹)	(¹)	1.4	1.6	1.5
Mayaguez	57.7	60.0	57.9	(¹)	(¹)	(¹)	2.2	2.6	2.1
Ponce	53.3	57.3	56.0	(¹)	(¹)	(¹)	4.0	4.4	4.3
San Juan	503.5	516.2	521.7	.5	.5	.5	30.5	32.5	31.9
Virgin Islands	41.5	42.0	43.0	(¹)	(¹)	(¹)	2.3	2.7	4.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Utah	99.0	103.1	107.1	39.3	40.9	42.3	156.7	166.0	172.3
Provo-Orem	13.2	13.4	14.0	2.7	2.7	2.5	17.8	19.7	22.0
Salt Lake City-Ogden	64.1	66.3	69.0	30.2	31.3	32.8	112.8	118.6	121.4
Vermont	49.7	48.6	46.1	10.8	10.3	11.0	60.3	62.0	60.0
Barre-Montpelier	4.9	4.8	4.6	.9	.9	.9	7.4	7.6	7.4
Burlington	17.0	16.5	15.8	3.3	3.3	3.6	19.1	19.9	19.4
Virginia	427.4	429.6	425.9	145.6	147.2	148.8	633.8	654.7	655.7
Bristol	10.9	10.7	10.6	1.2	1.3	1.5	8.1	8.8	8.8
Charlottesville	8.9	9.2	9.0	2.4	2.6	2.6	13.5	14.5	15.1
Danville	18.6	17.1	16.2	1.0	1.0	1.1	9.0	9.0	8.7
Lynchburg	23.4	23.9	23.7	2.7	2.9	3.0	16.4	17.1	16.7
Norfolk-Virginia Beach-Newport News	68.0	68.0	66.4	26.7	26.6	27.7	140.0	143.4	142.9
Northern Virginia	35.7	35.3	35.2	51.7	52.4	51.3	168.2	174.2	174.9
Richmond-Petersburg	63.4	64.7	64.9	23.9	23.8	23.9	109.0	110.8	106.6
Roanoke	19.8	19.9	19.8	8.2	8.1	8.3	33.8	34.4	35.0
Washington	341.8	362.6	369.9	101.9	108.5	113.7	477.6	503.4	521.3
Seattle	198.0	217.5	222.6	61.4	67.3	69.0	241.8	253.8	263.3
West Virginia	87.0	87.6	87.1	36.6	36.6	37.5	142.7	144.8	145.5
Charleston	10.9	10.7	10.9	8.6	8.8	9.1	28.1	28.6	29.3
Huntington-Ashland	19.7	20.3	20.3	8.1	8.2	8.1	26.7	27.4	26.2
Parkersburg-Marietta	14.3	14.3	14.5	2.3	2.5	2.5	14.7	14.9	14.6
Wheeling	7.3	7.3	7.3	3.3	3.3	3.3	16.2	16.4	16.1
Wisconsin	551.5	556.5	559.7	97.5	101.5	106.3	510.3	528.4	538.2
Appleton-Oshkosh-Neenah	52.7	53.9	53.8	5.3	5.6	6.3	32.4	33.9	34.7
Eau Claire	11.1	11.7	10.9	3.1	3.2	3.2	15.9	16.0	15.5
Green Bay	24.5	24.1	23.4	7.3	7.5	7.7	25.2	26.1	27.3
Janesville-Beloit	18.5	18.7	18.9	2.2	2.3	2.4	13.9	13.8	14.4
Kenosha	14.2	10.5	9.8	1.3	1.3	1.4	9.6	10.2	11.2
La Crosse	11.1	10.5	10.5	2.2	2.3	2.4	14.8	14.5	14.2
Madison	24.4	25.1	25.9	8.9	7.4	8.2	48.4	48.2	49.6
Milwaukee	172.7	174.7	174.4	34.8	36.1	37.2	164.4	170.1	172.2
Racine	25.7	26.3	26.3	2.3	2.4	2.3	16.9	17.3	17.6
Sheboygan	21.1	21.7	21.9	1.5	1.8	1.7	9.2	9.8	9.8
Wausau	13.7	14.7	15.1	2.6	3.0	3.2	12.1	12.7	12.5
Wyoming	8.7	8.9	9.5	13.6	14.3	14.5	42.6	43.7	44.7
Casper	1.5	1.5	1.7	1.9	1.6	1.8	7.8	7.7	7.9
Puerto Rico	154.5	157.3	154.9	18.6	19.5	21.3	146.1	151.9	156.3
Caguas	15.9	15.3	15.3	.3	.4	.5	10.8	11.2	11.4
Mayaguez	20.4	20.8	19.2	.4	.4	.5	7.9	8.3	8.4
Ponce	9.9	10.3	10.5	1.7	1.9	1.5	8.5	9.0	8.7
San Juan	64.8	65.6	65.5	14.4	15.0	17.0	100.9	104.5	107.0
Virgin Islands	2.4	2.3	2.4	2.5	2.4	2.3	9.6	9.5	9.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry—Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Utah	33.3	33.4	34.0	155.9	167.5	180.7	142.7	146.3	150.4
Provo-Orem	2.3	2.3	2.3	29.2	32.0	35.3	13.7	14.1	14.6
Salt Lake City-Ogden	27.4	27.3	27.9	106.3	113.3	122.0	93.8	95.7	98.6
Vermont	12.4	12.8	12.5	64.1	67.6	69.1	40.9	42.0	43.6
Barre-Montpelier	3.0	3.1	2.9	7.8	8.1	8.3	8.3	7.8	8.0
Burlington	3.7	4.0	4.1	17.9	19.3	20.4	11.5	12.1	12.1
Virginia	149.3	152.4	154.2	665.1	705.0	735.4	544.4	562.6	579.2
Bristol	1.2	1.2	1.2	4.8	5.1	5.4	5.0	5.2	5.6
Charlottesville	3.8	4.2	3.8	12.7	13.6	14.3	22.3	23.1	23.4
Danville	1.3	1.3	1.4	6.3	6.5	7.0	5.1	5.3	5.6
Lynchburg	3.8	3.6	3.4	14.4	16.1	17.0	9.3	9.5	9.9
Norfolk-Virginia Beach-Newport News	26.8	26.4	26.9	138.2	145.6	150.6	130.3	133.3	136.8
Northern Virginia	49.3	50.9	50.7	240.1	253.0	261.3	140.3	144.6	148.4
Richmond-Petersburg	38.1	39.1	40.2	97.4	103.6	109.5	91.4	94.8	97.4
Roanoke	8.5	8.8	8.7	29.4	31.6	32.6	15.3	15.5	15.7
Washington	109.4	112.7	117.1	443.9	474.7	511.9	368.8	379.9	398.5
Seattle	69.1	71.9	74.0	233.4	253.6	272.9	135.5	140.0	146.5
West Virginia	24.3	24.1	24.7	131.1	137.5	145.5	129.3	125.9	125.5
Charleston	6.3	6.3	6.6	25.8	27.3	29.2	21.6	20.4	20.2
Huntington-Ashland	3.8	3.8	3.8	22.8	23.9	24.9	19.1	18.8	19.3
Parkersburg-Marietta	2.3	2.2	2.2	13.7	14.0	14.7	9.7	9.6	9.7
Wheeling	2.8	2.9	3.0	15.9	16.5	17.1	9.6	9.2	9.3
Wisconsin	115.3	117.4	119.9	487.6	512.6	531.2	327.8	335.0	341.9
Appleton-Oshkosh-Neenah	7.2	7.5	7.7	29.8	31.3	32.9	16.9	17.1	17.8
Eau Claire	1.8	1.9	1.8	12.7	13.4	13.3	10.7	11.0	11.3
Green Bay	3.4	4.4	5.7	22.0	23.7	24.8	10.9	11.1	11.6
Janesville-Beloit	1.6	1.7	1.7	12.5	13.1	13.7	6.9	7.1	7.4
Kenosha	1.2	1.4	1.4	8.5	8.9	9.5	6.1	6.2	6.3
La Crosse	1.6	1.7	1.6	14.7	15.0	15.0	7.0	7.7	7.6
Madison	18.3	18.5	19.2	45.6	47.1	49.0	55.6	58.2	60.2
Milwaukee	49.7	50.1	50.5	192.7	201.6	208.7	83.2	84.0	85.7
Racine	2.3	2.2	2.2	16.3	16.7	17.4	8.1	8.2	8.4
Sheboygan	2.4	2.5	2.3	8.6	9.2	9.3	5.2	5.2	5.4
Wausau	3.5	3.5	3.6	8.6	9.3	9.8	6.1	6.2	6.3
Wyoming	7.4	7.4	7.2	33.9	36.5	38.4	54.1	54.3	55.5
Casper	1.4	1.4	1.4	5.8	8.3	6.7	4.9	5.0	5.1
Puerto Rico	36.3	37.2	37.0	121.7	127.4	133.3	298.5	298.1	296.2
Caguas	1.1	1.3	1.3	6.0	6.8	7.6	16.4	16.8	16.6
Mayaguez	1.2	1.4	1.5	6.2	7.3	7.1	19.4	19.2	19.1
Ponce	1.9	1.9	1.8	10.0	10.7	11.5	17.5	18.8	17.7
San Juan	28.9	29.6	29.4	87.8	92.7	94.4	175.7	175.8	175.8
Virgin Islands	2.0	2.0	2.1	9.5	9.5	9.0	13.2	13.6	13.6

¹ Combined with construction.

² Not available.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1990 benchmarks.

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

2. 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		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Alabama	41.4	41.2	41.0	\$8.95	\$9.10	\$9.38	\$370.53	\$374.92	\$384.58
Birmingham	41.5	40.9	41.0	9.11	9.48	9.67	378.07	387.73	396.47
Mobile	39.9	41.6	42.0	10.37	10.96	11.16	413.76	455.94	468.72
Alaska	42.1	44.4	44.9	11.98	12.01	12.46	504.36	533.24	559.45
Arizona	41.1	41.2	40.7	9.85	9.92	10.22	404.84	408.70	415.95
Arkansas	40.9	40.8	41.0	8.07	8.26	8.51	330.08	337.01	348.91
Fayetteville-Springdale	41.0	40.9	40.3	7.20	7.42	7.68	295.20	303.48	309.50
Fort Smith	40.9	39.7	39.9	8.66	8.70	8.85	354.19	345.39	353.12
Little Rock-North Little Rock	41.1	41.4	41.3	8.52	8.86	9.08	350.17	366.80	375.00
Pine Bluff	43.3	43.9	43.3	10.81	10.28	10.66	459.41	451.29	461.58
California	40.7	40.7	40.6	10.80	11.16	11.48	439.56	454.21	466.09
Anaheim-Santa Ana	41.1	41.7	41.3	11.05	11.33	11.52	454.16	472.46	475.78
Bakersfield	39.6	39.8	40.2	11.73	12.12	12.37	464.51	479.95	497.27
Fresno	39.5	39.4	40.1	9.40	9.16	9.55	371.30	360.90	382.96
Los Angeles-Long Beach	41.1	40.9	40.7	10.33	10.61	10.93	424.56	433.95	444.85
Modesto	40.5	40.2	39.9	10.23	10.35	10.66	414.32	416.07	425.33
Oakland	40.5	41.3	41.1	13.02	13.32	13.53	527.31	550.12	558.08
Oxnard-Ventura	40.7	40.8	41.4	10.28	10.55	10.84	418.40	430.44	448.78
Riverside-San Bernardino	40.2	40.2	40.1	9.88	9.98	10.37	388.33	401.20	415.84
Sacramento	39.8	39.8	39.9	10.84	11.52	11.89	431.43	458.50	474.41
Salinas-Seaside-Monterey	40.0	36.5	38.5	10.19	10.99	11.41	407.60	401.14	439.29
San Diego	40.7	41.0	40.6	10.99	11.22	11.58	447.29	460.02	470.15
San Francisco	38.2	38.2	39.7	12.94	12.97	12.84	494.31	495.45	509.75
San Jose	40.3	40.4	40.6	12.64	13.20	13.68	509.39	533.28	555.41
Santa Barbara-Santa Maria-Lompoc	39.9	39.7	40.7	10.91	11.25	11.76	435.31	446.63	478.63
Santa Rosa-Petaluma	38.4	38.0	38.3	10.04	10.68	11.33	385.54	405.84	433.94
Stockton	40.5	41.4	41.2	10.42	11.00	11.15	422.01	455.40	459.38
Vallejo-Fairfield-Napa	40.7	41.5	39.3	13.00	13.27	13.38	529.10	550.71	525.83
Colorado	40.4	40.2	41.2	10.38	10.44	10.94	419.35	419.69	450.73
Denver	40.7	40.2	40.5	11.80	11.58	12.33	472.12	465.52	499.37
Connecticut	42.2	42.2	42.0	10.78	11.21	11.54	454.92	473.06	464.88
Bridgeport-Milford	41.8	42.0	41.8	11.25	11.62	12.16	468.00	488.04	508.29
Hartford	42.5	42.7	42.3	11.10	11.80	12.41	471.75	503.86	524.94
New Britain	42.6	42.4	42.1	11.29	11.75	12.30	480.95	498.20	517.83
New Haven-Meriden	41.1	41.0	41.0	10.31	10.83	11.00	423.74	444.03	451.00
Stamford	41.7	42.4	40.8	11.36	11.59	12.16	473.71	491.42	496.13
Waterbury	42.9	42.3	41.9	9.58	10.09	10.58	410.98	426.81	443.30
Delaware	40.0	41.5	41.3	11.49	12.36	12.40	459.60	512.94	512.12
Wilmington	41.5	42.8	42.4	14.21	15.07	15.08	589.72	645.00	639.39
District of Columbia:									
Washington MSA	39.5	39.5	39.1	11.10	11.79	12.49	438.45	465.71	488.36
Florida	40.7	40.9	40.7	8.39	8.67	8.98	341.47	354.60	365.49
Fort Lauderdale-Hollywood-Pompano Beach	41.2	41.6	40.7	8.32	8.57	9.14	342.78	356.51	372.00
Jacksonville	41.0	41.1	41.3	9.07	9.22	9.42	371.87	378.94	389.05
Miami-Hialeah	40.1	39.7	39.5	7.07	7.24	7.55	283.51	287.43	298.23
Orlando	40.5	41.1	40.9	9.08	9.83	10.24	367.74	404.01	418.82
Pensacola	43.2	43.7	43.7	10.99	11.13	11.42	474.77	466.38	499.05
Tampa-St. Petersburg-Clearwater	40.4	40.7	40.7	8.47	8.80	9.21	342.19	358.16	374.85
West Palm Beach-Boca Raton-DeLray Beach	41.3	41.9	40.7	9.15	9.48	9.78	377.90	396.37	398.05
Georgia	41.4	41.1	40.8	8.65	8.87	9.16	358.11	364.56	373.73
Atlanta	40.9	41.8	41.6	10.28	10.47	10.63	419.83	437.85	442.21
Savannah	44.1	44.2	46.4	11.68	11.58	11.52	515.09	511.84	534.53
Hawaii	40.0	40.0	40.3	9.64	10.37	10.99	393.60	414.80	442.90
Honolulu	40.0	39.8	39.9	10.01	10.52	11.30	400.40	418.70	450.87
Idaho	38.1	38.9	38.9	10.00	10.21	10.60	381.00	397.16	412.34

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES

2. 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		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Illinois	42.3	41.9	41.3	\$10.98	\$11.21	\$11.44	\$464.45	\$469.70	\$472.47
Aurora-Elgin	41.6	41.3	41.1	10.53	10.72	11.11	438.05	442.74	456.82
Bloomington-Normal	39.0	41.8	43.1	10.78	12.11	13.16	420.42	506.20	567.20
Champaign-Urbana-Rantoul	40.6	39.6	40.6	9.31	9.67	9.77	377.99	382.93	396.66
Chicago	42.4	42.2	41.3	10.71	10.90	11.16	454.10	459.98	460.91
Davenport-Rock Island-Moline	42.5	41.4	41.2	12.69	12.76	13.38	539.33	528.26	551.26
Decatur	43.7	44.8	43.6	13.93	14.37	14.70	608.74	643.78	640.92
Joliet	42.1	41.3	42.0	12.13	11.86	13.07	510.67	489.82	548.94
Kankakee	41.3	41.2	42.2	11.08	11.65	12.00	457.60	479.98	506.40
Lake County	40.6	40.4	40.3	10.90	11.41	11.54	442.54	460.96	465.06
Peoria	44.8	43.0	42.4	12.80	13.35	13.96	573.44	574.05	591.90
Rockford	42.9	42.8	41.6	11.93	12.14	12.38	511.80	519.59	515.01
Springfield	41.4	38.8	38.8	10.96	10.17	10.38	453.74	394.80	402.74
Indiana	(¹)	41.6	41.3	(¹)	11.70	12.03	(¹)	486.72	496.84
Anderson	(¹)	40.4	40.2	(¹)	15.31	15.40	(¹)	618.52	619.08
Bloomington	(¹)	39.4	38.9	(¹)	10.44	10.63	(¹)	411.34	413.51
Elkhart-Goshen	(¹)	38.6	39.1	(¹)	9.71	9.97	(¹)	374.81	389.83
Evansville	(¹)	41.6	41.8	(¹)	11.86	12.14	(¹)	487.39	507.45
Fort Wayne	(¹)	41.8	40.7	(¹)	12.29	12.27	(¹)	513.72	499.39
Gary-Hammond	(¹)	43.0	42.7	(¹)	15.28	16.12	(¹)	657.04	888.32
Indianapolis	(¹)	42.1	41.7	(¹)	12.25	12.44	(¹)	515.73	518.75
Kokomo	(¹)	42.7	41.4	(¹)	16.22	16.78	(¹)	692.59	694.89
Lafayette-West Lafayette	(¹)	42.1	42.0	(¹)	11.81	12.22	(¹)	497.20	513.24
Muncie	(¹)	44.6	45.1	(¹)	12.55	12.99	(¹)	562.24	585.85
South Bend-Mishawaka	(¹)	41.1	40.7	(¹)	10.97	11.20	(¹)	450.87	455.84
Terre Haute	(¹)	42.7	42.4	(¹)	10.01	10.26	(¹)	427.43	435.02
Iowa	41.4	40.8	40.5	10.56	10.82	11.27	437.18	441.46	456.44
Cedar Rapids	40.1	39.5	39.3	12.11	12.50	13.66	485.61	493.75	536.64
Des Moines	41.8	41.9	40.3	11.78	12.10	12.32	492.40	506.99	496.50
Dubuque	41.1	39.9	40.7	11.39	11.52	12.00	468.13	459.65	488.40
Sioux City	39.7	40.5	41.0	8.46	8.60	8.91	335.86	348.30	365.31
Kansas	40.7	40.2	40.4	10.24	10.88	10.94	416.77	429.34	441.98
Topeka	41.9	41.2	39.1	11.96	12.31	12.17	501.12	507.17	475.85
Wichita	41.3	39.6	40.8	10.99	11.40	12.21	453.89	453.72	498.17
Kentucky	40.5	40.0	40.0	10.16	10.37	10.70	411.48	414.80	428.00
Lexington-Fayette	40.8	40.8	41.2	9.96	10.57	11.18	408.37	431.26	460.62
Louisville	41.8	40.6	41.1	11.79	11.80	12.19	492.82	479.08	501.01
Louisiana	42.5	42.6	42.9	10.94	11.13	11.61	464.95	474.14	498.07
Baton Rouge	42.8	44.1	44.4	12.83	13.10	13.70	549.12	577.71	608.28
New Orleans	41.1	41.2	42.2	10.48	10.76	11.09	430.73	443.31	468.00
Shreveport	38.9	40.9	41.6	10.05	11.09	12.05	390.95	453.58	501.28
Maine	41.0	40.2	40.1	9.31	9.92	10.59	381.71	398.78	424.66
Lewiston-Auburn	39.2	39.2	38.8	8.06	8.50	9.26	316.74	333.20	359.29
Portland	41.1	39.5	38.2	9.58	10.53	10.63	393.74	415.94	406.07
Maryland	41.5	41.1	40.8	10.71	11.19	11.57	444.47	459.91	472.06
Baltimore MSA	41.6	41.2	41.0	11.07	11.57	12.01	460.51	478.68	492.41
Massachusetts	40.7	40.7	40.7	10.40	10.87	11.39	423.28	442.41	463.57
Boston	41.0	40.7	40.6	11.10	11.84	11.99	455.10	473.75	486.79
Springfield	42.2	41.8	41.4	10.04	10.38	10.79	423.69	433.88	446.71
Worcester	41.0	41.1	41.4	10.26	10.72	11.11	420.66	440.59	459.95
Michigan	43.3	42.9	41.8	13.31	13.51	13.66	578.32	579.58	579.35
Ann Arbor	44.8	44.0	43.5	14.52	14.47	15.21	650.50	636.68	661.83
Battle Creek	43.9	43.6	42.3	14.65	14.53	14.60	643.13	633.51	617.58
Detroit	44.3	43.7	42.6	14.35	14.58	14.95	835.70	637.15	636.87
Flint	44.0	42.9	41.4	16.45	16.69	17.60	723.60	724.58	728.64
Grand Rapids	41.8	41.3	40.8	11.55	11.81	11.81	482.79	479.49	481.85
Jackson	42.5	42.2	41.0	9.91	10.58	10.77	421.17	445.63	441.57
Kalamazoo	42.4	42.1	41.9	12.60	13.05	13.77	534.24	549.40	576.96
Lansing-East Lansing	42.5	41.5	39.5	14.53	14.70	15.62	617.52	610.05	616.99
Muskegon	41.0	40.7	40.6	11.91	12.31	12.52	488.31	501.02	508.31
Saginaw-Bay City-Midland	44.0	43.6	42.6	15.20	15.40	15.96	668.80	871.44	679.90

See footnotes at end of table.

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

2. 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		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Minnesota	40.8	40.5	40.3	\$10.59	\$10.95	\$11.24	\$432.07	\$443.48	\$452.97
Duluth	39.1	39.2	40.6	11.51	11.69	11.70	450.04	458.25	475.02
Minneapolis-St. Paul	40.9	40.6	40.3	11.10	11.51	11.86	453.99	467.31	477.96
St. Cloud	40.2	39.5	40.1	10.38	10.21	9.99	417.28	403.30	400.60
Mississippi	40.3	40.0	39.4	7.83	8.03	8.37	315.55	321.20	329.78
Jackson	40.7	40.1	40.3	8.80	9.07	9.33	358.16	363.71	376.00
Missouri	40.8	40.7	40.7	10.24	10.49	10.74	417.79	426.94	437.12
Kansas City	41.1	41.4	40.9	11.40	11.61	11.50	468.54	480.65	470.35
St. Louis	41.2	41.8	42.2	12.03	12.43	12.89	495.64	519.57	543.96
Springfield	39.9	40.3	40.4	8.67	9.00	9.28	345.93	362.70	374.91
Montana	38.7	39.2	39.1	10.68	11.15	11.51	413.32	437.08	450.04
Nebraska	41.1	40.7	40.9	9.38	9.53	9.67	385.52	387.87	395.50
Lincoln	41.2	39.8	39.8	10.47	10.56	10.95	431.36	420.29	435.81
Omaha	41.5	41.4	41.5	10.33	10.30	10.32	428.70	426.42	428.28
Nevada	39.7	40.9	40.7	10.08	10.33	11.05	400.18	422.50	449.74
Las Vegas	40.2	42.5	41.9	12.60	12.87	12.97	506.52	546.98	543.44
New Hampshire	40.7	41.2	40.8	9.97	10.37	10.83	405.78	427.24	441.86
Manchester	40.4	41.0	42.2	9.97	10.44	10.83	402.79	428.04	457.03
Nashua	41.0	40.8	40.5	12.20	12.62	13.65	500.20	514.90	552.83
Portsmouth-Dover-Rochester	41.2	41.3	41.4	9.12	9.61	10.04	375.74	396.89	415.66
New Jersey	41.0	41.0	41.4	10.86	11.17	11.76	445.26	457.97	486.86
New Mexico	40.5	40.0	40.7	8.87	8.74	9.06	359.24	349.60	368.74
Albuquerque	39.9	39.7	39.8	8.85	8.75	9.17	353.12	347.38	364.97
New York	39.9	40.0	39.6	10.43	10.67	11.11	416.16	426.80	439.96
Albany-Schenectady-Troy	40.8	40.9	40.9	11.06	11.34	11.85	451.25	463.81	484.67
Binghamton	41.1	41.2	40.1	9.33	9.42	9.84	383.46	388.10	394.58
Buffalo	43.4	41.9	41.9	12.29	12.91	13.29	533.39	540.93	556.85
Elmira	41.5	41.0	40.1	9.50	9.45	9.83	394.25	387.45	394.18
Nassau-Suffolk	39.5	39.7	39.7	11.13	11.43	11.83	439.64	453.77	469.65
New York PMSA	37.2	37.3	37.1	9.81	9.91	10.34	364.93	369.64	383.61
New York City	37.0	36.9	36.8	9.41	9.77	10.19	348.17	360.51	374.99
Niagara Falls	42.3	41.4	40.7	13.47	13.90	14.14	569.78	575.46	575.50
Orange County	38.9	39.1	39.9	8.25	9.11	9.46	320.93	356.20	377.45
Poughkeepsie	41.2	40.2	40.2	9.94	10.75	10.90	409.53	432.15	438.18
Rochester	43.1	42.8	42.0	12.41	12.20	12.76	534.87	522.16	535.92
Rockland County	36.3	38.9	40.0	11.25	8.75	9.17	408.38	340.38	366.80
Syracuse	41.9	41.0	40.7	12.29	12.06	12.21	514.95	494.46	496.95
Utica-Rome	41.5	40.8	40.6	9.71	9.96	10.41	402.97	406.37	422.65
Westchester County	40.1	40.7	38.7	11.33	11.47	12.03	454.33	466.83	465.56
North Carolina	40.5	40.3	39.9	8.12	8.42	8.78	328.86	339.33	350.32
Asheville	41.3	41.3	41.3	8.23	8.45	8.79	339.90	348.99	363.03
Charlotte-Gastonia-Rock Hill	40.5	40.7	39.9	8.44	8.92	9.38	341.82	363.04	374.26
Greensboro-Winston-Salem-High Point	39.8	39.3	38.7	9.03	9.15	9.44	359.39	359.60	365.33
Raleigh-Durham	41.6	41.4	41.9	9.20	9.51	9.99	382.72	393.71	418.58
North Dakota	38.7	39.8	39.7	8.36	8.60	8.88	323.53	350.24	352.54
Fargo-Moorhead	38.4	39.7	38.6	8.64	8.89	8.77	331.78	352.93	338.52
Ohio	43.0	42.7	42.4	12.00	12.26	12.64	516.00	523.50	535.94
Akron	43.2	42.7	42.8	11.49	11.81	11.94	496.37	495.75	511.03
Canton	42.9	41.8	42.3	11.41	11.17	11.38	489.49	466.91	481.37
Cincinnati	42.5	42.9	43.1	11.15	11.60	12.03	473.88	497.64	518.49
Cleveland	43.3	43.1	42.7	11.84	11.83	12.13	512.67	509.87	517.95
Columbus	41.5	41.7	42.0	11.57	12.01	12.44	480.16	500.82	522.48
Dayton-Springfield	43.4	42.9	42.1	12.59	12.95	13.43	546.41	555.56	565.40
Toledo	43.4	43.5	43.1	13.12	13.26	13.44	569.41	576.81	579.26
Youngstown-Warren	42.6	42.8	42.7	13.52	14.01	14.66	575.95	599.63	625.98

See footnotes at end of table.

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

2. 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		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Oklahoma	41.1	41.8	40.9	\$10.35	\$10.48	\$10.71	\$425.39	\$435.97	\$438.04
Oklahoma City	41.5	43.0	42.0	11.50	11.51	11.99	477.25	494.93	503.58
Tulsa	41.8	41.7	41.6	10.80	10.16	11.39	449.28	423.67	473.82
Oregon	39.3	39.4	39.4	10.60	10.81	11.15	416.58	425.91	439.31
Eugene-Springfield	39.9	39.4	38.5	10.61	10.76	10.91	423.34	423.94	420.04
Medford	40.2	39.5	39.1	10.40	10.62	11.01	418.08	419.49	430.49
Portland	39.6	39.6	39.7	10.74	10.89	11.38	425.30	431.24	451.79
Salem	38.1	38.4	37.6	8.96	9.21	9.56	341.38	353.66	359.46
Pennsylvania	41.1	41.0	40.7	10.33	10.66	11.04	424.56	437.06	449.33
Allentown-Bethlehem	40.3	40.0	39.7	10.36	10.58	11.05	417.51	423.20	438.69
Alltoona	40.5	39.8	38.8	8.86	9.33	9.52	358.83	371.33	369.38
Beaver County	43.8	43.6	43.3	10.34	10.65	11.03	452.89	464.34	477.60
Erie	42.2	43.1	43.5	10.92	11.27	11.61	460.82	485.74	505.04
Harrisburg-Lebanon-Carlisle	40.6	41.1	40.6	10.41	10.73	11.12	422.65	441.00	451.47
Johnstown	39.4	39.0	38.5	8.00	8.16	8.62	315.20	318.24	331.87
Lancaster	40.8	40.6	40.0	10.24	10.65	10.97	415.74	432.39	438.80
Philadelphia PMSA	40.6	40.6	40.4	11.28	11.70	11.99	457.97	475.02	484.40
Pittsburgh	42.0	41.9	41.8	11.15	11.16	11.41	460.30	467.60	476.94
Reading	40.9	41.0	40.8	10.78	11.07	11.48	440.90	453.87	468.38
Scranton-Wilkes-Barre	39.5	39.1	39.2	8.87	9.25	9.68	350.37	361.68	379.46
Sharon	42.8	42.2	42.7	11.83	11.82	11.99	508.32	498.80	511.97
State College	39.4	39.8	39.9	8.84	9.31	9.83	348.30	370.54	392.22
Williamsport	40.2	40.4	39.7	9.12	9.52	9.71	366.62	384.61	385.49
York	42.5	41.9	41.5	9.84	10.18	10.65	418.20	428.54	441.98
Rhode Island	39.7	39.3	39.7	8.64	9.06	9.45	343.01	356.06	375.17
Pawtucket-Woonsocket-Attleboro	40.1	39.9	39.1	8.06	8.45	8.92	323.21	337.16	348.77
Providence	39.3	39.1	39.4	8.63	8.59	9.14	339.16	335.87	360.12
South Carolina	41.1	41.3	40.9	8.30	8.54	8.87	341.13	352.70	362.78
Charleston	39.2	40.1	40.9	8.98	8.86	9.14	352.02	355.29	373.83
Columbia	41.1	41.3	41.6	8.48	8.69	9.06	348.53	358.90	376.90
Greenville-Spartanburg	40.7	40.7	41.0	8.13	8.44	8.81	330.89	343.51	361.21
South Dakota	42.5	41.8	40.7	8.09	8.30	8.49	343.83	346.94	345.54
Rapid City	40.7	40.9	40.7	7.85	8.65	9.32	319.50	353.79	379.32
Sioux Falls	44.4	44.6	42.3	8.05	8.38	8.72	357.42	373.75	388.86
Tennessee	41.6	40.8	38.6	8.96	9.22	9.55	372.74	376.18	368.63
Chattanooga	43.0	40.3	40.6	8.10	8.36	8.69	348.30	336.91	352.81
Johnson City-Kingsport-Bristol	43.9	42.4	40.7	9.44	9.69	9.63	414.42	410.86	391.94
Knoxville	40.8	39.6	38.0	8.99	9.33	9.24	366.79	369.47	351.12
Memphis	42.6	42.2	40.2	9.09	9.44	9.60	387.23	398.37	385.92
Nashville	41.6	41.6	39.4	10.45	10.63	11.17	434.72	442.21	440.10
Texas	41.7	41.8	41.8	9.97	10.25	10.47	415.75	428.45	437.65
Dallas	41.6	42.4	41.9	9.86	10.41	10.27	410.18	441.38	430.31
Ft. Worth-Arlington	41.4	41.1	41.0	10.63	11.00	11.31	440.08	452.10	463.71
Houston	43.8	44.0	44.5	11.36	11.73	12.11	497.57	516.12	538.90
San Antonio	39.9	40.3	41.1	7.52	7.52	7.75	300.05	303.06	318.53
Utah	40.3	40.0	39.9	10.11	10.14	10.33	407.43	405.60	412.17
Salt Lake City-Ogden	40.2	40.2	40.1	9.91	9.95	10.34	398.38	399.99	414.63
Vermont	40.4	40.9	40.8	9.47	9.99	10.53	382.59	408.59	429.62
Burlington	41.2	40.7	40.3	9.72	10.49	11.14	400.46	426.94	448.94
Virginia	40.8	40.9	40.4	9.37	9.69	10.07	382.30	396.32	406.83
Bristol	42.0	40.8	39.4	7.77	7.94	8.49	326.34	323.95	334.51
Charlottesville	41.6	41.8	42.1	7.93	8.32	8.84	329.89	347.78	372.16
Danville	42.1	41.9	40.7	9.10	9.44	9.65	383.11	395.54	392.76
Lynchburg	41.5	41.8	41.0	9.29	9.46	9.86	385.54	395.43	404.26
Northern Virginia	39.1	39.6	40.2	10.35	10.71	11.20	404.69	424.12	450.24
Richmond-Petersburg	41.4	41.9	42.7	11.92	12.62	13.13	493.49	528.78	560.65
Roanoke	41.9	41.1	41.0	10.65	11.29	11.80	446.24	464.02	483.80
Washington	40.1	39.4	40.2	11.90	12.12	12.70	477.19	477.53	510.54

See footnotes at end of table.

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

2. 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		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
West Virginia	40.6	40.7	40.7	\$10.81	\$11.17	\$11.53	\$438.89	\$454.62	\$469.27
Charleston	42.7	43.2	43.8	13.28	13.58	13.17	567.06	586.66	576.85
Huntington-Ashland	41.0	41.0	40.9	12.85	12.82	13.42	526.85	525.62	548.88
Parkersburg-Marietta	41.9	42.5	41.7	12.68	13.03	13.35	531.29	553.78	556.70
Wheeling	42.0	42.3	41.9	13.26	13.47	13.85	556.92	569.78	571.94
Wisconsin	41.8	41.5	41.4	10.61	10.77	11.11	443.50	446.96	459.95
Appleton-Oshkosh	43.1	43.1	43.0	11.26	11.67	12.00	485.31	502.98	516.00
Eau Claire	40.9	42.6	44.4	11.08	10.98	11.46	453.17	466.90	508.82
Green Bay	41.6	41.6	41.6	11.22	11.45	12.08	466.75	476.32	502.53
Janesville-Beloit	42.1	41.2	42.0	12.67	12.95	13.56	533.41	533.54	569.52
Kenosha	41.7	41.0	40.7	13.02	11.92	11.62	542.93	488.72	472.93
La Crosse	39.8	40.2	40.7	9.08	9.50	9.87	361.38	381.90	401.71
Madison	40.7	40.9	40.6	9.97	10.03	10.48	405.78	410.23	425.49
Milwaukee	41.7	41.6	41.4	11.51	11.62	11.90	479.97	483.39	492.66
Racine	40.4	39.8	39.6	10.63	10.91	11.47	429.45	434.22	454.21
Sheboygan	43.0	42.2	42.7	9.74	10.44	10.86	418.82	440.57	463.72
Wausau	42.6	42.4	42.8	10.10	10.48	11.02	430.26	444.35	471.66
Wyoming	38.5	39.8	39.9	10.27	10.58	10.83	395.40	421.08	432.12
Puerto Rico	39.1	39.5	39.3	5.56	5.77	6.05	217.40	227.92	237.77
Virgin Islands	40.4	41.7	42.4	9.86	10.87	11.85	398.34	453.28	502.44

¹ Not available.

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

publication. All State and area data have been adjusted to March 1990 benchmarks.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

3. Labor force status by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force		Unemployed			
			Number		Percent of labor force	
	1989	1990	1989	1990	1989	1990
Alabama	1,907.0	1,892.0	134.0	128.0	7.0	6.8
Birmingham	443.3	439.2	25.3	23.7	5.7	5.4
Huntsville	133.6	133.3	6.7	6.2	5.0	4.7
Mobile	212.5	211.2	17.9	14.6	8.4	6.9
Montgomery	138.1	137.3	8.7	8.5	6.3	6.2
Tuscaloosa	72.1	73.1	3.7	3.7	5.1	5.1
Alaska	253.0	257.0	17.0	18.0	6.7	6.9
Arizona	1,707.0	1,726.0	89.0	92.0	5.2	5.3
Phoenix	1,062.5	1,074.5	45.4	46.4	4.3	4.3
Tucson	314.5	313.7	14.0	12.9	4.5	4.1
Arkansas	1,135.0	1,133.0	82.0	78.0	7.2	6.9
Fayetteville-Springdale	63.3	64.2	2.4	2.2	3.7	3.5
Fort Smith	93.4	93.1	7.4	8.9	7.9	7.5
Little Rock-North Little Rock	268.8	268.7	16.9	15.9	6.3	5.9
Pine Bluff	37.8	37.7	2.9	3.1	7.8	8.4
California	14,518.0	14,670.0	737.0	823.0	5.1	5.6
Anaheim-Santa Ana	1,409.9	1,382.8	41.5	46.4	2.9	3.4
Bakersfield	237.7	232.4	24.5	24.4	10.3	10.5
Fresno	313.2	318.4	31.4	32.6	10.0	10.2
Los Angeles-Long Beach	4,221.4	4,428.0	196.3	255.0	4.6	5.8
Modesto	164.9	163.6	18.4	18.6	11.2	11.3
Oakland	1,107.6	1,092.3	46.7	45.9	4.2	4.2
Oxnard-Ventura	372.3	374.4	19.0	20.8	5.1	5.5
Riverside-San Bernardino	1,023.7	1,071.6	58.4	70.6	5.7	6.6
Sacramento	733.9	739.1	36.0	35.5	4.9	4.8
Salinas-Seaside-Monterey	164.4	160.6	13.3	14.1	8.1	8.8
San Diego	1,172.1	1,174.4	46.2	52.8	3.9	4.5
San Francisco	887.8	873.2	29.4	28.9	3.3	3.3
San Jose	847.3	813.6	32.2	32.9	3.8	4.0
Santa Barbara-Santa Maria-Lompoc	182.9	180.5	7.6	8.1	4.2	4.5
Santa Rosa-Petaluma	203.3	210.0	8.9	9.2	4.4	4.4
Stockton	201.3	196.7	18.8	19.2	9.4	9.8
Vallejo-Fairfield-Napa	196.4	200.5	10.3	10.7	5.2	5.3
Colorado	1,695.0	1,756.0	98.0	87.0	5.8	4.9
Boulder-Longmont	133.9	138.9	6.0	5.1	4.5	3.7
Denver	889.8	894.3	46.7	41.1	5.4	4.6
Connecticut	1,761.0	1,789.0	64.0	91.0	3.7	5.1
Bridgeport-Milford	229.4	231.9	10.8	14.4	4.7	6.2
Hartford	425.8	435.3	13.9	19.7	3.3	4.5
New Britain	74.3	74.5	3.0	4.6	4.1	6.1
New Haven-Meriden	280.3	289.4	9.7	14.1	3.5	4.9
Stamford	114.5	114.2	2.8	4.0	2.5	3.5
Waterbury	102.4	103.5	4.8	7.7	4.7	7.5
Delaware	362.0	382.0	13.0	19.0	3.5	5.1
Wilmington	312.7	314.1	12.0	16.7	3.8	5.3
District of Columbia	315.0	298.0	16.0	20.0	5.0	6.6
Washington	2,211.7	2,209.8	59.5	75.4	2.7	3.4
Florida	6,193.0	6,365.0	348.0	378.0	5.6	5.9
Daytona Beach	156.0	160.0	8.4	8.9	5.4	5.6
Fort Lauderdale-Hollywood-Pompano Beach	647.2	660.2	32.9	36.2	5.1	5.5
Fort Myers-Cape Coral	145.5	152.8	5.7	6.7	3.9	4.4
Gainesville	105.7	109.1	3.4	3.8	3.2	3.5
Jacksonville	451.9	459.7	25.9	25.4	5.7	5.5
Lakeland-Winter Haven	179.8	182.6	15.2	17.7	8.5	9.7
Melbourne-Titusville-Palm Bay	187.5	195.5	9.8	10.8	5.2	5.5
Miami-Hialeah	941.1	952.3	60.2	63.8	6.4	6.7
Orlando	615.1	640.5	31.0	34.0	5.0	5.3
Pensacola	147.6	149.8	9.5	9.0	6.5	6.0
Sarasota	121.8	126.6	4.8	5.2	3.7	4.1
Tallahassee	133.1	137.2	5.6	5.7	4.2	4.1
Tampa-St. Petersburg-Clearwater	993.5	1,017.9	49.8	52.1	5.0	5.1
West Palm Beach-Boca Raton-DeLray Beach	421.2	430.1	25.2	28.1	6.0	6.5

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

3. 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	
	1989	1990	1989	1990	1989	1990
Georgia	3,195.0	3,216.0	177.0	175.0	5.5	5.4
Albany	53.7	54.1	4.0	3.5	7.5	6.6
Athens	77.5	77.1	3.3	3.5	4.3	4.5
Atlanta	1,511.2	1,521.9	77.3	77.2	5.1	5.1
Augusta	191.2	198.6	9.8	8.7	5.1	4.4
Columbus	99.6	100.6	5.8	6.1	5.6	6.0
Macon-Warner Robins	133.0	134.8	6.5	6.4	4.9	4.7
Savannah	113.9	117.1	5.9	5.8	5.2	4.9
Hawaii	525.0	539.0	13.0	15.0	2.6	2.8
Honolulu	383.9	391.4	8.6	10.0	2.2	2.6
Idaho	489.0	496.0	25.0	29.0	5.1	5.8
Boise City	113.6	116.5	3.8	4.5	3.4	3.8
Illinois	6,015.0	6,029.0	359.0	371.0	6.0	6.2
Aurora-Elgin	188.1	190.6	9.9	11.1	5.3	5.8
Bloomington-Normal	74.3	75.5	3.3	3.0	4.5	4.0
Champaign-Urbana-Rantoul	91.3	92.0	3.7	3.6	4.1	3.9
Chicago	3,287.8	3,294.6	182.6	195.5	5.6	5.9
Davenport-Rock Island-Moline	184.0	182.2	11.8	10.8	6.4	5.9
Decatur	60.9	60.2	4.5	4.2	7.4	7.1
Joliet	208.3	209.9	13.5	13.9	6.5	6.6
Kankakee	46.3	47.6	3.6	3.4	7.8	7.1
Lake County	303.6	309.1	11.6	12.1	3.8	3.9
Peoria	185.2	166.4	9.7	9.8	5.9	5.9
Rockford	156.1	158.7	9.4	10.1	6.0	6.4
Springfield	114.6	114.9	5.4	5.1	4.7	4.4
Indiana	2,881.0	2,832.0	136.0	150.0	4.7	5.3
Anderson	60.6	59.5	3.3	3.8	5.5	6.4
Bloomington	81.0	60.6	1.9	2.0	3.2	3.3
Elkhart-Goshen	97.9	94.1	4.5	5.4	4.6	5.7
Evansville	145.8	144.2	7.3	7.7	5.0	5.3
Fort Wayne	208.4	204.3	9.0	10.7	4.4	5.3
Gary-Hammond	282.9	263.8	13.6	15.0	5.2	5.7
Indianapolis	693.5	670.7	27.4	28.0	4.0	4.2
Kokomo	48.4	47.6	2.8	3.1	5.7	6.5
Lafayette-West Lafayette	69.4	68.6	2.1	2.0	3.0	2.9
Muncie	60.8	60.6	2.9	3.2	4.8	5.2
South Bend-Mishawaka	132.1	130.7	8.0	7.1	4.8	5.4
Terre Haute	61.1	61.0	2.9	2.8	4.8	4.6
Iowa	1,513.0	1,496.0	65.0	63.0	4.3	4.2
Cedar Rapids	97.7	96.8	3.6	5.0	3.7	5.2
Des Moines	236.7	235.6	8.7	7.6	3.7	3.2
Dubuque	44.9	44.5	2.7	2.5	6.0	5.5
Iowa City	62.0	61.9	.9	1.0	1.5	1.6
Sioux City	60.9	60.8	2.5	2.3	4.1	3.8
Waterloo-Cedar Falls	72.1	72.6	3.7	3.5	5.1	4.8
Kansas	1,284.0	1,300.0	52.0	57.0	4.0	4.4
Lawrence	42.7	44.4	1.4	1.6	3.2	3.6
Topeka	92.4	93.0	3.9	4.5	4.2	4.8
Wichita	255.0	257.4	10.8	11.2	4.2	4.4
Kentucky	1,742.0	1,767.0	108.0	103.0	6.2	5.8
Lexington-Fayette	198.7	199.2	7.6	7.3	3.8	3.6
Louisville	517.8	520.7	28.8	26.6	5.8	5.1
Owensboro	44.3	45.1	2.8	2.5	6.3	5.5
Louisiana	1,900.0	1,874.0	151.0	117.0	7.9	6.2
Alexandria	60.2	57.7	4.7	3.7	7.8	6.4
Baton Rouge	269.6	289.7	18.1	14.5	6.7	5.4
Houma-Thibodaux	69.5	69.1	5.2	3.8	7.5	5.6
Lafayette	101.7	104.5	6.8	4.9	6.7	4.7
Lake Charles	76.5	77.8	6.0	5.0	7.9	6.5
Monroe	69.7	68.7	5.1	4.0	7.3	5.8
New Orleans	590.9	577.5	41.8	33.1	7.1	5.7
Shreveport	158.5	153.6	13.1	10.3	8.3	6.7
Maine	616.0	635.0	25.0	33.0	4.1	5.1
Lewiston-Auburn	42.1	43.0	2.2	3.1	5.2	7.2
Portland	130.2	133.7	3.1	4.8	2.4	3.6

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

3. 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	
	1989	1990	1989	1990	1989	1990
Maryland	2,523.0	2,535.0	93.0	118.0	3.7	4.6
Baltimore	1,207.8	1,214.5	48.3	61.6	4.0	5.1
Massachusetts	3,180.0	3,166.0	127.0	189.0	4.0	6.0
Boston	1,568.5	1,560.8	53.3	79.2	3.4	5.1
Brockton	100.3	99.9	4.8	7.4	4.8	7.4
Fall River	77.2	76.7	5.0	7.6	6.4	9.9
Fitchburg-Leominster	47.6	47.1	2.5	4.0	5.4	8.5
Lawrence-Haverhill	188.1	187.0	9.9	14.5	5.3	7.7
Lowell	154.7	150.9	7.0	10.4	4.5	6.9
New Bedford	87.1	86.6	5.3	8.0	6.1	9.2
Pittsfield	41.0	41.7	1.9	2.6	4.7	8.3
Springfield	256.2	257.0	10.3	14.9	4.0	5.8
Worcester	221.5	218.9	8.7	13.8	3.9	6.3
Michigan	4,592.0	4,578.0	326.0	344.0	7.1	7.5
Ann Arbor	180.6	163.4	6.8	7.4	4.2	4.5
Battle Creek	65.5	64.7	4.8	5.0	7.3	7.6
Benton Harbor	79.1	78.0	5.8	5.7	7.4	7.4
Detroit	2,178.8	2,150.7	154.8	160.7	7.1	7.5
Flint	186.2	184.1	19.4	18.0	10.4	9.8
Grand Rapids	374.1	377.5	19.4	22.9	5.2	6.1
Jackson	66.2	65.7	4.5	5.2	8.8	7.8
Kalamazoo	120.5	120.1	5.9	6.2	4.9	5.1
Lansing-East Lansing	241.8	241.1	13.7	14.6	5.7	6.1
Muskegon	68.5	68.4	8.1	6.3	8.8	9.3
Saginaw-Bay City-Midland	185.6	186.0	13.0	14.2	7.0	7.6
Minnesota	2,343.0	2,404.0	102.0	116.0	4.3	4.8
Duluth	110.0	112.8	6.2	6.5	5.6	5.8
Minneapolis-St. Paul	1,389.8	1,410.2	52.4	60.0	3.8	4.3
Rochester	62.3	65.0	1.9	2.1	3.0	3.2
St. Cloud	99.8	101.1	5.0	5.8	5.0	5.7
Mississippi	1,166.0	1,184.0	91.0	88.0	7.8	7.5
Jackson	199.2	201.6	10.7	10.6	5.4	5.3
Missouri	2,614.0	2,634.0	143.0	151.0	5.5	5.7
Kansas City	848.9	852.5	41.5	42.3	4.9	5.0
St. Louis LMA	1,273.4	1,272.2	70.2	75.2	5.5	5.9
Springfield	126.8	130.1	5.7	5.8	4.5	4.4
Montana	405.0	402.0	24.0	23.0	5.9	5.8
Nebraska	812.0	839.0	25.0	18.0	3.1	2.2
Lincoln	124.6	130.1	3.1	2.2	2.5	1.7
Omaha	330.7	340.7	11.3	8.8	3.4	2.6
Nevada	602.0	626.0	30.0	31.0	5.0	4.9
Las Vegas	359.9	385.3	17.9	19.0	5.0	4.9
Reno	136.9	135.8	6.5	6.5	4.7	4.8
New Hampshire	611.0	630.0	21.0	38.0	3.5	5.6
Manchester	85.9	88.4	2.8	5.1	3.2	5.8
Nashua	99.0	100.2	3.7	6.2	3.7	6.2
Portsmouth-Dover-Rochester	138.3	140.9	3.6	6.0	2.6	4.2
New Jersey	3,989.0	4,048.0	163.0	202.0	4.1	5.0
Atlantic City	179.0	187.9	9.8	11.7	5.5	6.2
Bergen-Passaic	709.3	706.7	26.6	32.1	3.8	4.5
Jersey City	273.9	275.8	17.6	20.5	6.4	7.4
Middlesex-Somerset-Hunterdon	571.5	590.3	16.5	22.0	2.9	3.7
Monmouth-Ocean	484.3	490.9	18.0	23.6	3.7	4.8
Newark	949.6	952.5	40.8	51.1	4.3	5.4
Trenton	171.5	175.3	5.5	7.2	3.2	4.1
Vineland-Millville-Bridgeton	58.6	61.7	4.2	4.9	7.2	8.0
New Mexico	698.0	700.0	46.0	44.0	6.7	6.3
Albuquerque	265.5	264.8	13.4	13.2	5.1	5.0
Las Cruces	58.3	59.2	3.8	4.0	6.5	6.7
Santa Fe	67.8	70.7	2.7	2.5	4.0	3.5

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

3. 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	
	1989	1990	1989	1990	1989	1990
New York	8,681.0	8,673.0	442.0	451.0	5.1	5.2
Albany-Schenectady-Troy	437.2	440.6	18.2	16.0	4.2	3.6
Binghamton	126.3	122.8	8.0	5.1	4.7	4.2
Buffalo	464.8	461.3	27.0	22.1	5.8	4.8
Elmira	44.0	44.2	2.1	2.0	4.7	4.4
Glens Falls	53.2	53.6	3.3	3.1	6.2	5.8
Nassau-Suffolk	1,433.5	1,402.8	58.8	53.8	4.1	3.8
New York	3,978.2	4,010.5	215.0	250.6	5.4	6.2
New York City	3,294.8	3,339.0	190.1	228.0	5.8	6.8
Orange County	138.7	135.6	6.9	6.3	5.0	4.6
Poughkeepsie	130.3	129.1	4.4	3.9	3.4	3.0
Rochester	514.5	510.0	21.5	18.9	4.2	3.7
Syracuse	323.8	325.5	15.3	13.3	4.7	4.1
Utica-Rome	138.8	137.9	7.4	6.3	5.4	4.6
North Carolina	3,391.0	3,401.0	119.0	139.0	3.5	4.1
Asheville	90.3	92.2	2.6	3.0	2.9	3.3
Charlotte-Gastonia-Rock Hill	640.9	646.7	20.6	22.6	3.2	3.5
Greensboro-Winston-Salem-High Point	521.3	521.0	17.1	19.4	3.3	3.7
Raleigh-Durham	415.2	418.5	10.1	10.3	2.4	2.5
North Dakota	331.0	325.0	14.0	13.0	4.3	3.9
Bismarck	47.1	47.2	2.0	1.8	4.2	3.9
Fargo-Moorhead	87.4	88.5	2.4	2.5	2.8	2.8
Grand Forks	36.2	35.8	1.3	1.3	3.7	3.6
Ohio	5,419.0	5,433.0	300.0	307.0	5.5	5.7
Akron	331.6	332.3	17.8	17.3	5.4	5.2
Canton	194.3	193.8	11.8	12.0	6.1	6.2
Cincinnati	778.4	786.9	34.8	32.8	4.5	4.2
Cleveland	953.5	954.8	46.0	45.7	4.8	4.8
Columbus	733.7	739.5	34.8	32.6	4.7	4.4
Dayton-Springfield	476.2	476.8	24.4	25.4	5.1	5.3
Toledo	316.2	313.9	18.8	21.8	6.0	6.9
Youngstown-Warren	223.2	221.8	14.9	15.9	6.7	7.2
Oklahoma	1,523.0	1,540.0	85.0	86.0	5.6	5.6
Enid	27.7	27.3	1.3	1.2	4.6	4.4
Lawton	48.6	48.3	2.3	2.6	4.7	5.4
Oklahoma City	500.1	500.0	23.2	26.8	4.6	5.4
Tulsa	342.4	347.2	20.0	18.5	5.8	5.3
Oregon	1,475.0	1,492.0	84.0	82.0	5.7	5.5
Eugene-Springfield	147.5	149.2	8.1	8.7	5.5	5.9
Medford	73.1	72.7	4.9	5.0	6.7	6.8
Portland	675.4	683.9	30.2	28.7	4.5	4.2
Salem	137.8	140.7	8.1	7.6	5.8	5.4
Pennsylvania	5,857.0	5,901.0	264.0	318.0	4.5	5.4
Allentown-Bethlehem	328.7	335.6	14.4	18.5	4.4	5.5
Altoona	60.3	61.8	3.8	4.5	6.2	7.2
Beaver County	60.0	60.0	4.3	4.7	7.2	7.8
Erie	132.6	134.7	6.7	7.4	5.1	5.5
Harrisburg-Lebanon-Carlisle	331.3	332.4	12.4	14.5	3.8	4.4
Johnstown	96.8	97.8	6.8	7.5	7.0	7.6
Lancaster	225.9	227.7	7.4	9.4	3.3	4.1
Philadelphia	2,428.1	2,446.5	92.4	113.7	3.8	4.6
Pittsburgh	983.0	991.8	44.8	47.8	4.6	4.8
Reading	176.2	175.8	6.9	9.1	3.9	5.2
Scranton-Wilkes-Barre	362.9	365.6	19.9	25.3	5.5	6.9
Sharon	51.1	52.3	2.2	2.8	4.4	5.3
State College	65.7	67.6	3.0	3.6	4.6	5.3
Williamsport	60.2	60.3	3.5	4.4	5.9	7.2
York	223.9	223.9	9.0	11.0	4.0	4.9
Rhode Island	525.0	516.0	21.0	35.0	4.1	6.7
Pawtucket-Woonsocket-Attleboro	167.5	165.7	7.7	12.6	4.6	7.6
Providence	343.6	339.2	13.2	22.0	3.8	6.5
South Carolina	1,695.0	1,724.0	80.0	81.0	4.7	4.7
Charleston	228.7	237.3	9.5	8.1	4.2	3.4
Columbia	237.7	242.5	8.1	8.4	3.4	3.5
Greenville-Spartanburg	338.7	343.1	12.2	13.5	3.6	3.9
South Dakota	361.0	360.0	15.0	13.0	4.2	3.7
Rapid City	40.0	40.3	1.7	1.4	4.2	3.6
Sioux Falls	75.2	75.8	2.7	2.1	3.6	2.7

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

3. 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	
	1989	1990	1989	1990	1989	1990
Tennessee	2,368.0	2,397.0	121.0	125.0	5.1	5.2
Chattanooga	212.5	211.3	10.9	9.9	5.1	4.7
Johnson City-Kingsport-Bristol	217.1	219.9	10.1	10.0	4.7	4.6
Knoxville	288.8	287.6	15.6	14.2	5.4	5.0
Memphis	472.6	474.3	22.0	21.8	4.7	4.6
Nashville	528.8	532.7	20.0	21.1	3.8	4.0
Texas	8,427.0	8,443.0	567.0	521.0	6.7	6.2
Abilene	52.6	50.9	3.4	3.1	6.5	6.1
Amarillo	97.7	96.2	5.5	4.9	5.6	5.1
Austin	431.4	435.3	23.2	19.8	5.4	4.6
Beaumont-Port Arthur	163.7	165.1	14.8	12.2	9.0	7.4
Brazoria	86.2	87.2	5.9	4.8	6.9	5.5
Brownsville-Harlingen	103.4	104.8	12.2	12.3	11.8	11.7
Bryan-College Station	61.7	61.8	2.7	2.2	4.4	3.5
Corpus Christi	159.7	164.1	13.2	11.3	8.3	6.9
Dallas	1,443.0	1,432.9	78.9	73.6	5.5	5.1
El Paso	250.3	250.8	25.6	26.9	10.2	10.7
Fort Worth-Arlington	724.3	733.9	39.9	38.4	5.5	5.2
Galveston-Texas City	110.2	109.6	8.1	7.8	7.3	7.1
Houston	1,684.8	1,723.4	98.9	89.2	5.9	5.2
Killeen-Temple	96.7	96.9	7.3	6.8	7.5	7.1
Laredo	52.1	53.2	6.2	5.7	12.0	10.8
Longview-Marshall	80.4	79.6	6.8	5.5	8.5	6.9
Lubbock	113.8	115.3	5.7	5.5	5.0	4.8
McAllen-Edinburg-Mission	160.0	164.4	27.2	31.3	17.0	19.1
Midland	49.6	47.9	3.0	2.6	6.1	5.5
Odessa	52.4	51.3	4.3	3.1	8.2	6.0
San Angelo	45.5	43.8	2.6	2.5	5.8	5.6
San Antonio	615.6	605.7	45.0	41.8	7.3	6.9
Sherman-Denison	47.8	47.3	2.9	2.5	6.1	5.3
Texarkana	58.1	57.2	4.2	3.6	7.2	6.3
Tyler	75.3	74.1	5.2	4.6	6.9	6.2
Victoria	36.2	35.9	2.2	1.8	6.1	5.0
Waco	93.0	92.4	5.4	5.4	5.8	5.8
Wichita Falls	56.2	55.1	3.5	3.3	6.1	6.1
Utah	789.0	792.0	37.0	34.0	4.6	4.3
Provo-Orem	111.1	117.7	4.7	4.3	4.3	3.7
Salt Lake City-Ogden	514.3	511.1	22.9	21.0	4.5	4.1
Vermont	307.0	309.0	11.0	15.0	3.7	5.0
Burlington	78.2	78.2	2.0	2.6	2.6	3.3
Virginia	3,145.0	3,196.0	123.0	137.0	3.9	4.3
Charlottesville	69.9	71.8	1.8	2.1	2.6	3.0
Danville	52.4	52.8	3.4	4.0	6.5	7.6
Lynchburg	74.2	74.9	3.7	3.6	4.9	4.8
Norfolk-Virginia Beach-Newport News	618.6	623.9	28.7	29.5	4.6	4.7
Richmond-Petersburg	454.1	460.6	16.5	17.9	3.6	3.9
Roanoke	122.8	124.2	4.5	4.3	3.6	3.5
Washington	2,451.0	2,503.0	151.0	122.0	6.2	4.9
Seattle	1,105.5	1,125.8	50.6	39.2	4.6	3.5
West Virginia	767.0	772.0	66.0	64.0	6.6	8.3
Charleston	118.1	119.7	8.2	7.5	6.9	6.3
Huntington-Ashland	130.0	132.1	8.6	9.1	6.6	6.9
Parkersburg-Marietta	72.7	72.9	4.8	5.0	6.6	6.8
Wheeling	72.7	71.7	4.8	4.3	6.6	6.0
Wisconsin	2,611.0	2,587.0	114.0	113.0	4.4	4.4
Appleton-Oshkosh-Neenah	175.3	174.1	7.3	7.5	4.2	4.3
Eau Claire	74.7	71.6	3.2	3.5	4.3	4.9
Green Bay	111.2	111.4	4.5	4.4	4.0	3.9
Janesville-Beloit	75.1	74.2	3.9	3.9	5.2	5.3
Kenosha	54.5	53.3	4.2	3.4	7.7	6.3
La Crosse	55.2	52.6	2.2	2.0	3.9	3.8
Madison	227.5	226.8	6.1	5.8	2.7	2.5
Milwaukee	775.8	759.1	29.6	28.9	3.8	3.8
Racine	91.9	89.8	4.5	4.2	4.9	4.7
Sheboygan	59.9	58.5	2.4	2.7	4.1	4.6
Wausau	64.7	63.7	2.9	2.9	4.4	4.5
Wyoming	239.0	246.0	15.0	13.0	6.3	5.4
Casper	30.9	32.0	2.1	1.9	6.9	5.8

NOTE: Annual averages for States are obtained directly from the Current Population Survey. Estimates for all sub-state areas are based on administrative statistics adjusted to the statewide totals. See the Explanatory Notes for State and Area

Labor Force Data. Area definitions are published annually in the May issue of this publication. Data for 1989-90 have been adjusted to new benchmark levels.

Area Definitions

Area definitions

State and area	Type of area	Definition
Alabama		
Birmingham	MSA	Blount, Jefferson, St. Clair, Shelby, and Walker Counties
Huntsville	MSA	Madison County
Mobile	MSA	Baldwin and Mobile Counties
Montgomery	MSA	Autauga, Elmore, and Montgomery Counties
Tuscaloosa	MSA	Tuscaloosa County
Arizona		
Phoenix	MSA	Maricopa County
Tucson	MSA	Pima County
Arkansas		
Fayetteville-Springdale	MSA	Washington County
Fort Smith	MSA	Crawford and Sebastian Counties, Ark.; Sequoyah County, Okla.
Little Rock-North Little Rock	MSA	Faulkner, Lonoke, Pulaski, and Saline Counties
Pine Bluff	MSA	Jefferson County
California		
Anaheim-Santa Ana	PMSA	Orange County
Bakersfield	MSA	Kern County
Fresno	MSA	Fresno County
Los Angeles-Long Beach	PMSA	Los Angeles County
Modesto	MSA	Stanislaus County
Oakland	PMSA	Alameda and Contra Costa Counties
Oxnard-Ventura	PMSA	Ventura County
Riverside-San Bernardino	PMSA	Riverside and San Bernardino Counties
Sacramento	MSA	El Dorado, Placer, Sacramento, and Yolo Counties
Salinas-Seaside-Monterey	MSA	Monterey County
San Diego	MSA	San Diego County
San Francisco	PMSA	Marin, San Francisco, and San Mateo Counties
San Jose	PMSA	Santa Clara County
Santa Barbara-Santa Maria-Lompoc	MSA	Santa Barbara County
Santa Rosa-Petaluma	PMSA	Sonoma County
Stockton	MSA	San Joaquin County
Vallejo-Fairfield-Napa	PMSA	Napa and Solano Counties
Colorado		
Boulder-Longmont	PMSA	Boulder County
Denver	PMSA	Adams, Arapahoe, Denver, Douglas, and Jefferson Counties
Connecticut		
Bridgeport-Milford	PMSA	Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; Ansonia, Derby, and Milford cities and Beacon Falls, Oxford, and Seymour towns in New Haven County
Hartford	PMSA	Hartford city, and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Marlborough, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Barkhamsted and New Hartford towns in Litchfield County; East Haddam town in Middlesex County; Colchester town in New London County; Andover, Bolton, Columbia, Coventry, Ellington, Hebron, Somers, Stafford, Tolland, Vernon, and Willington towns in Tolland County
New Britain	PMSA	New Britain city, and Berlin, Plainville, and Southington towns in Hartford County
New Haven-Meriden	MSA	Clinton and Killingworth towns in Middlesex County; Meriden, New Haven, and West Haven cities, and Bethany, Branford, Cheshire, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, Wallingford, and Woodbridge towns in New Haven County
Stamford	PMSA	Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County
Waterbury	MSA	Bethlehem, Thomaston, Watertown, and Woodbury towns in Litchfield County; Waterbury city, Naugatuck borough, and Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County
Delaware		
Wilmington	PMSA	New Castle County, Del.; Cecil County, Md.; Salem County, N.J.
District of Columbia		
Washington	MSA	District of Columbia; Calvert, Charles, Frederick, Montgomery, and Prince Georges Counties, Md.; Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, Prince William, and Stafford Counties, Va.

Area definitions—Continued

State and area	Type of area	Definition
Florida		
Daytona Beach	MSA	Volusia County
Fort Lauderdale-Hollywood-Pompano Beach	PMSA	Broward County
Fort Myers-Cape Coral	MSA	Lee County
Gainesville	MSA	Alachua and Bradford Counties
Jacksonville	MSA	Clay, Duval, Nassau, and St. Johns Counties
Lakeland-Winter Haven	MSA	Polk County
Melbourne-Titusville-Palm Bay	MSA	Brevard County
Miami-Hialeah	PMSA	Dade County
Orlando	MSA	Orange, Osceola, and Seminole Counties
Pensacola	MSA	Escambia and Santa Rosa Counties
Sarasota	MSA	Sarasota County
Tallahassee	MSA	Gadsden and Leon Counties
Tampa-St. Petersburg-Clearwater	MSA	Hernando, Hillsborough, Pasco, and Pinellas Counties
West Palm Beach-Boca Raton-DeLray Beach	MSA	Palm Beach County
Georgia		
Albany	MSA	Dougherty and Lee Counties
Athens	MSA	Clarke, Jackson, Madison, and Oconee Counties
Atlanta	MSA	Barrow, Butts, Cherokee, Clayton, Cobb, Coweta, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Rockdale, Spalding, and Walton Counties
Augusta	MSA	Columbia, McDuffie, and Richmond Counties, Ga.; Aiken County, S.C.
Columbus	MSA	Chattahoochee and Muscogee Counties, Ga.; Russell County, Ala.
Macon-Warner Robins	MSA	Bibb, Houston, Jones, and Peach Counties
Savannah	MSA	Chatham and Effingham Counties
Hawaii		
Honolulu	MSA	Honolulu County
Idaho		
Boise City	MSA	Ada County
Illinois		
Aurora-Elgin	PMSA	Kane and Kendall Counties
Bloomington-Normal	MSA	McLean County
Champaign-Urbana-Rantoul	MSA	Champaign County
Chicago	PMSA	Cook, Du Page, and McHenry Counties
Davenport-Rock Island-Moline	MSA	Henry and Rock Island Counties, Ill.; Scott County, Iowa
Decatur	MSA	Macon County
Joliet	PMSA	Grundy and Will Counties
Kankakee	MSA	Kankakee County
Lake County	PMSA	Lake County
Peoria	MSA	Peoria, Tazewell, and Woodford Counties
Rockford	MSA	Boone and Winnebago Counties
Springfield	MSA	Menard and Sangamon Counties
Indiana		
Anderson	MSA	Madison County
Bloomington	MSA	Monroe County
Eikhart-Goshen	MSA	Eikhart County
Evansville	MSA	Posey, Vanderburgh, and Warrick Counties, Ind.; Henderson County, Ky.
Fort Wayne	MSA	Allen, DeKalb, and Whitley Counties
Gary-Hammond	PMSA	Lake and Porter Counties
Indianapolis	MSA	Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties
Kokomo	MSA	Howard and Tipton Counties
Lafayette-West Lafayette	MSA	Tippecanoe County
Muncie	MSA	Delaware County
South Bend-Mishawaka	MSA	St. Joseph County
Terre Haute	MSA	Clay and Vigo Counties
Iowa		
Cedar Rapids	MSA	Linn County
Des Moines	MSA	Dallas, Polk, and Warren Counties
Dubuque	MSA	Dubuque County
Iowa City	MSA	Johnson County
Sioux City	MSA	Woodbury County, Iowa; Dakota County, Nebr.
Waterloo-Cedar Falls	MSA	Black Hawk and Bremer Counties

Area definitions—Continued

State and area	Type of area	Definition
Kansas		
Lawrence	MSA	Douglas County
Topeka	MSA	Shawnee County
Wichita	MSA	Butler, Harvey, and Sedgwick Counties
Kentucky		
Lexington-Fayette	MSA	Bourbon, Clark, Fayette, Jessamine, Scott, and Woodford Counties
Louisville	MSA	Bullitt, Jefferson, Oldham, and Shelby Counties, Ky.; Clark, Floyd, and Harrison Counties, Ind.
Owensboro	MSA	Daviess County
Louisiana		
Alexandria	MSA	Rapides Parish
Baton Rouge	MSA	Ascension, East Baton Rouge, Livingston, and West Baton Rouge Parishes
Houma-Thibodaux	MSA	Lafourche and Terrebonne Parishes
Lafayette	MSA	Lafayette and St. Martin Parishes
Lake Charles	MSA	Calcasieu Parish
Monroe	MSA	Ouachita Parish
New Orleans	MSA	Jefferson, Orleans, St. Bernard, St. Charles, St. John the Baptist, and St. Tammany Parishes
Shreveport	MSA	Bossier and Caddo Parishes
Maine		
Lewiston-Auburn	MSA	Auburn and Lewiston cities, and Greene, Lisbon, Mechanic Falls, Poland, and Sabattus towns in Androscoggin County
Portland	MSA	Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Freeport, Gorham, Gray, North Yarmouth, Raymond, Scarborough, Standish, Windham, and Yarmouth towns in Cumberland County; Buxton, Hollis, and Old Orchard Beach towns in York County
Maryland		
Baltimore	MSA	Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne's Counties
Baltimore City		Baltimore City
Suburban Maryland-D.C.		Calvert, Charles, Frederick, Montgomery, and Prince Georges Counties
Massachusetts		
Boston	PMSA	Mansfield, Norton, and Raynham towns in Bristol County; Lynn city and Lynnfield, Nahant, and Saugus towns in Essex County; Cambridge, Everett, Malden, Marlborough, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Acton, Arlington, Ashland, Ayer, Bedford, Belmont, Boxborough, Burlington, Carlisle, Concord, Framingham, Groton, Holliston, Hopkinton, Hudson, Lexington, Lincoln, Littleton, Maynard, Natick, North Reading, Reading, Sherborn, Shirley, Stoneham, Stow, Sudbury, Townsend, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Quincy city, and Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Stoughton, Walpole, Wellesley, Westwood, Weymouth, and Wrentham towns in Norfolk County; Carver, Duxbury, Hanover, Hanson, Hingham, Hull, Kingston, Lakeville, Marshfield, Middleborough, Norwell, Pembroke, Plymouth, Plympton, Rockland, and Scituate towns in Plymouth County; Boston, Chelsea, and Revere cities and Winthrop town in Suffolk County; Berlin, Bolton, Harvard, Hopedale, Lancaster, Mendon, Milford, Southborough, and Upton towns in Worcester County
Brockton	PMSA	Easton town in Bristol County; Avon town in Norfolk County; Brockton city, and Abington, Bridgewater, East Bridgewater, Halifax, West Bridgewater, and Whitman towns in Plymouth County
Fall River	PMSA	Fall River city, and Somerset, Swansea, and Westport towns in Bristol County, Mass.; Little Compton and Tiverton towns in Newport County, R.I.
Fitchburg-Leominster	MSA	Ashby town in Middlesex County; Fitchburg and Leominster cities, and Ashburnham, Lunenburg, and Westminster towns in Worcester County
Lawrence-Haverhill	PMSA	Haverhill, Lawrence, and Newburyport cities, and Amesbury, Andover, Boxford, Georgetown, Groveland, Merrimac, Methuen, Newbury, North Andover, Salisbury, and West Newbury towns in Essex County, Mass.; Atkinson, Brentwood, Danville, Derry, East Kingston, Hampstead, Kingston, Newton, Plaistow, Salem, Sandown, Seabrook, and Windham towns in Rockingham County, N.H.
Lowell	PMSA	Lowell city, and Billerica, Chelmsford, Dracut, Dunstable, Pepperell, Tewksbury, Tyngsborough, and Westford towns in Middlesex County and Pelham town in Hillsborough County
New Bedford	MSA	New Bedford city, and Acushnet, Dartmouth, Fairhaven, and Freetown towns in Bristol County; Marion, Mattapoisett, and Rochester towns in Plymouth County

Area definitions—Continued

State and area	Type of area	Definition
Massachusetts—Continued		
Pittsfield	MSA	Pittsfield city, and Cheshire, Dalton, Hinsdale, Lanesborough, Lee, Lenox, Richmond, and Stockbridge towns in Berkshire County
Springfield	MSA	Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Belchertown, Easthampton, Granby, Huntington, Southampton, and South Hadley towns in Hampshire County
Worcester	MSA	Worcester city, and Auburn, Barre, Boylston, Brookfield, Charlton, Clinton, Douglas, Dudley, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Princeton, Rutland, Shrewsbury, Spencer, Sterling, Sutton, Uxbridge, Webster, Westborough, and West Boylston towns in Worcester County
Michigan		
Ann Arbor	PMSA	Washtenaw County
Battle Creek	MSA	Calhoun County
Benton Harbor	MSA	Berrien County
Detroit	PMSA	Lapeer, Livingston, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties
Flint	MSA	Genesee County
Grand Rapids	MSA	Kent and Ottawa Counties
Jackson	MSA	Jackson County
Kalamazoo	MSA	Kalamazoo County
Lansing—East Lansing	MSA	Clinton, Eaton, and Ingham Counties
Muskegon	MSA	Muskegon County
Saginaw—Bay City—Midland	MSA	Bay, Midland, and Saginaw Counties
Minnesota		
Duluth	MSA	St. Louis County, Minn.; Douglas County, Wisc.
Minneapolis—St. Paul	MSA	Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Washington, and Wright Counties, Minn.; St. Croix County, Wis.
Rochester	MSA	Olmsted County
St. Cloud	MSA	Benton, Sherburne, and Stearns Counties
Mississippi		
Jackson	MSA	Hinds, Madison, and Rankin Counties
Missouri		
Kansas City	MSA	Johnson, Leavenworth, Miami, and Wyandotte Counties, Kan.; Cass, Clay, Jackson, Lafayette, Platte, and Ray Counties, Mo.
St. Louis	MSA	Clinton, Jersey, Madison, Monroe, and St. Clair Counties, Ill.; St. Louis city, and Franklin, Jefferson, St. Charles, and St. Louis Counties, Mo.
Springfield	MSA	Christian and Greene Counties
Nebraska		
Lincoln	MSA	Lancaster County
Omaha	MSA	Douglas, Sarpy, and Washington Counties, Nebr.; Pottawattamie County, Iowa
Nevada		
Las Vegas	MSA	Clark County
Reno	MSA	Washoe County
New Hampshire		
Manchester	MSA	Manchester city, and Bedford and Goffstown towns in Hillsborough County; Allenstown and Hooksett towns in Merrimack County; Auburn and Candia towns in Rockingham County
Nashua	MSA	Nashua city, and Amherst, Brookline, Hollis, Hudson, Litchfield, Merrimack, Milford, Mont Vernon, and Wilton towns in Hillsborough County; Londonderry town in Rockingham County
Portsmouth—Dover—Rochester	MSA	Portsmouth city and Exeter, Greenland, Hampton, New Castle, Newfields, Newington, Newmarket, North Hampton, Rye and Stratham towns in Rockingham County; Dover, Rochester and Somersworth cities, and Barrington, Durham, Farmington, Lee, Madbury, Milton and Rollinsford towns in Strafford County; and Berwick, Eliot, Kittery, North Berwick, Ogunquit, South Berwick, Wells and York towns in York County
New Jersey		
Atlantic City	MSA	Atlantic and Cape May Counties
Bergen—Passaic	PMSA	Bergen and Passaic Counties
Camden	PMSA	Burlington, Camden, and Gloucester Counties
Jersey City	PMSA	Hudson County
Middlesex—Somerset—Hunterdon	PMSA	Hunterdon, Middlesex, and Somerset Counties
Monmouth—Ocean	PMSA	Monmouth and Ocean Counties
Newark	PMSA	Essex, Morris, Sussex, and Union Counties

Area definitions—Continued

State and area	Type of area	Definition
New Jersey—Continued		
Trenton	PMSA	Mercer County
Vineland-Millville-Bridgeton	PMSA	Cumberland County
New Mexico		
Albuquerque	MSA	Bernalillo County
Las Cruces	MSA	Dona Ana County
Sante Fe	MSA	Los Alamos and Sante Fe Counties
New York		
Albany-Schenectady-Troy	MSA	Albany, Greene, Montgomery, Rensselaer, Saratoga, and Schenectady Counties
Binghamton	MSA	Broome and Tioga Counties
Buffalo	PMSA	Erie County
Elmira	MSA	Chemung County
Glens Falls	MSA	Warren and Washington Counties
Nassau-Suffolk	PMSA	Nassau and Suffolk Counties
New York	PMSA	Bronx, Kings, New York, Putnam, Queens, Richmond, Rockland, and Westchester Counties
New York City		Bronx, Kings, New York, Queens, and Richmond Counties
Niagara Falls	PMSA	Niagara County
Orange County	PMSA	Orange County
Poughkeepsie	MSA	Dutchess County
Rochester	MSA	Livingston, Monroe, Ontario, Orleans, and Wayne Counties
Rockland County		Rockland County
Syracuse	MSA	Madison, Onondaga, and Oswego Counties
Utica-Rome	MSA	Herkimer and Oneida Counties
Westchester County		Westchester County
North Carolina		
Asheville	MSA	Buncombe County
Charlotte-Gastonia-Rock Hill	MSA	Cabarrus, Gaston, Lincoln, Mecklenburg, Rowan, and Union Counties, N.C.; York County, S.C.
Greensboro-Winston-Salem-High Point	MSA	Davidson, Davie, Forsyth, Guilford, Randolph, Stokes, and Yadkin Counties
Raleigh-Durham	MSA	Durham, Franklin, Orange, and Wake Counties
North Dakota		
Bismarck	MSA	Burleigh and Morton Counties
Fargo-Moorhead	MSA	Cass County, N.D.; Clay County, Minn.
Grand Forks	MSA	Grand Forks County
Ohio		
Akron	PMSA	Portage and Summit Counties
Canton	MSA	Carroll and Stark Counties
Cincinnati	PMSA	Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, and Kenton Counties, Ky.; Dearborn County, Ind.
Cleveland	PMSA	Cuyahoga, Geauga, Lake, and Medina Counties
Columbus	MSA	Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties
Dayton-Springfield	MSA	Clark, Greene, Miami, and Montgomery Counties
Toledo	MSA	Fulton, Lucas, and Wood Counties
Youngstown-Warren	MSA	Mahoning and Trumbull Counties
Oklahoma		
Enid	MSA	Garfield County
Lawton	MSA	Comanche County
Oklahoma City	MSA	Canadian, Cleveland, Logan, McClain, Oklahoma, and Pottawatomie Counties
Tulsa	MSA	Creek, Osage, Rogers, Tulsa, and Wagoner Counties
Oregon		
Eugene-Springfield	MSA	Lane County
Medford	MSA	Jackson County
Portland	PMSA	Clackamas, Multnomah, Washington, and Yamhill Counties
Salem	MSA	Marion and Polk Counties
Pennsylvania		
Allentown-Bethlehem	MSA	Carbon, Lehigh, and Northampton Counties, Pa.; Warren County, N.J.
Altoona	MSA	Blair County
Beaver County	PMSA	Beaver County
Erie	MSA	Erie County
Harrisburg-Lebanon-Carlisle	MSA	Cumberland, Dauphin, Lebanon, and Perry Counties
Johnstown	MSA	Cambria and Somerset Counties
Lancaster	MSA	Lancaster County

Area definitions—Continued

State and area	Type of area	Definition
Pennsylvania—Continued		
Philadelphia	PMSA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; Burlington, Camden, and Gloucester Counties, N.J.
Philadelphia City		Philadelphia County
Pittsburgh	PMSA	Allegheny, Fayette, Washington, and Westmoreland Counties
Reading	MSA	Berks County
Scranton-Wilkes-Barre	MSA	Columbia, Lackawanna, Luzerne, Monroe, and Wyoming Counties
Sharon	MSA	Mercer County
State College	MSA	Centre County
Williamsport	MSA	Lycoming County
York	MSA	Adams and York Counties
Puerto Rico		
Caguas	PMSA	Aguas Buenas, Caguas, Cayey, Cidra, Gurabo, and San Lorenzo Municipios
Mayaguez	MSA	Anasco, Cabo Rojo, Hormigueros, Mayaguez, and San German Municipios
Ponce	MSA	Juana Diaz and Ponce Municipios
San Juan	PMSA	Barceloneta, Bayamon, Canovanas, Carolina, Catano, Corozal, Dorado, Fajardo, Florida, Guaynabo, Humacao, Juncos, Las Piedras, Loiza, Luquillo, Manati, Naranjito, Rio Grande, San Juan, Toa Alta, Toa Bajo, Trujillo Alto, Vega Alta, and Vega Baja Municipios
Rhode Island		
Pawtucket-Woonsocket-Attleboro	PMSA	Central Falls, Pawtucket, and Woonsocket cities, and Burrillville, Cumberland, Lincoln, North Smithfield, and Smithfield towns in Providence County, R.I.; Attleboro city, and North Attleborough, Rehoboth, and Seekonk towns in Bristol County, Mass.; Plainville town in Norfolk County, Mass.; Blackstone and Millville towns in Worcester County, Mass.
Providence	PMSA	Barrington, Bristol, and Warren towns in Bristol County; Warwick city, and Coventry, East Greenwich, and West Warwick towns in Kent County; Jamestown town in Newport County; Cranston, East Providence, and Providence cities and Foster, Glocester, Johnston, North Providence, and Scituate towns in Providence County; Exeter, Narragansett, North Kingston, Richmond, and South Kingstown towns in Washington County
South Carolina		
Charleston	MSA	Berkeley, Charleston, and Dorchester Counties
Columbia	MSA	Lexington and Richland Counties
Greenville-Spartanburg	MSA	Greenville, Pickens, and Spartanburg Counties
South Dakota		
Rapid City	MSA	Pennington County
Sioux Falls	MSA	Minnehaha County
Tennessee		
Chattanooga	MSA	Hamilton, Marion, and Sequatchie Counties, Tenn.; Catoosa, Dade, and Walker Counties, Ga.
Johnson City-Kingsport-Bristol	MSA	Carter, Hawkins, Sullivan, Unicoi, and Washington Counties, Tenn.; Bristol city, Scott, and Washington Counties, Va.
Knoxville	MSA	Anderson, Blount, Grainger, Jefferson, Knox, Sevier, and Union Counties
Memphis	MSA	Shelby and Tipton Counties, Tenn.; Crittenden County, Ark., and DeSoto County, Miss.
Nashville	MSA	Cheatham, Davidson, Dickson, Robertson, Rutherford, Sumner, Williamson, and Wilson Counties
Texas		
Abilene	MSA	Taylor County
Amarillo	MSA	Potter and Randall Counties
Austin	MSA	Hays, Travis, and Williamson Counties
Beaumont-Port Arthur	MSA	Hardin, Jefferson, and Orange Counties
Brazoria	PMSA	Brazoria County
Brownsville-Harlingen	MSA	Cameron County
Bryan-College Station	MSA	Brazos County
Corpus Christi	MSA	Nueces and San Patricio Counties
Dallas	PMSA	Collin, Dallas, Denton, Ellis, Kaufman, and Rockwall Counties
El Paso	MSA	El Paso County
Fort Worth-Arlington	PMSA	Johnson, Parker, and Tarrant Counties
Galveston-Texas City	PMSA	Galveston County
Houston	PMSA	Fort Bend, Harris, Liberty, Montgomery, and Waller Counties
Killeen-Temple	MSA	Bell and Coryell Counties
Laredo	MSA	Webb County
Longview-Marshall	MSA	Gregg and Harrison Counties
Lubbock	MSA	Lubbock County
McAllen-Edinburg-Mission	MSA	Hidalgo County
Midland	MSA	Midland County

Area definitions—Continued

State and area	Type of area	Definition
Texas—Continued		
Odessa	MSA	Ector County
San Angelo	MSA	Tom Green County
San Antonio	MSA	Bexar, Comal, and Guadalupe Counties
Sherman-Denison	MSA	Grayson County
Texarkana	MSA	Bowie County, Tex.; and Miller County, Ark.
Tyler	MSA	Smith County
Victoria	MSA	Victoria County
Waco	MSA	McLennan County
Wichita Falls	MSA	Wichita County
Utah		
Provo-Orem	MSA	Utah County
Salt Lake City-Ogden	MSA	Davis, Salt Lake, and Weber Counties
Vermont		
Barre-Montpelier		East Granville town in Addison County; Groton and Ryegate towns in Caledonia County; Bolton and Huntington towns in Chittenden County; Bradford, Braintree, Brookfield, Chelsea, Corinth, Fairlee, Newbury, Orange, Randolph, Topsham, Vershire, Washington, West Fairlee and Williamstown towns in Orange County; and Barre city and Barre, Berlin, Cabot, Calais, Duxbury, East Montpelier, Fayston, Marshfield, Middlesex, Montpelier, Moretown, Northfield, Plainfield, Roxbury, Waitsfield, Warren and Waterbury towns in Washington County
Burlington	MSA	Burlington, South Burlington, and Winooski cities and Charlotte, Colchester, Essex, Hinesburg, Jericho, Milton, Richmond, St. George, Shelburne, and Williston towns in Chittenden County; Georgia town in Franklin County; Grand Isle and South Hero towns in Grand Isle County
Virginia		
Bristol		Bristol city, and Scott and Washington Counties
Charlottesville	MSA	Charlottesville city and Albemarle, Fluvanna, and Greene Counties
Danville	MSA	Danville city and Pittsylvania County
Lynchburg	MSA	Lynchburg city, and Amherst and Campbell Counties
Norfolk-Virginia Beach-Newport News	MSA	Chesapeake, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach and Williamsburg cities, and Gloucester, James City, and York Counties
Northern Virginia		Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, Prince William, and Stafford Counties
Richmond-Petersburg	MSA	Colonial Heights, Hopewell, Petersburg, and Richmond cities, and Charles City, Chesterfield, Dinwiddie, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George Counties
Roanoke	MSA	Roanoke and Salem cities, and Botetourt and Roanoke Counties
Washington		
Seattle	PMSA	King and Snohomish Counties
West Virginia		
Charleston	MSA	Kanawha and Putnam Counties
Huntington-Ashland	MSA	Cabell and Wayne Counties, W. Va.; Boyd, Carter, and Greenup Counties, Ky.; Lawrence County, Ohio
Parkersburg-Marietta	MSA	Wood County, W. Va.; Washington County, Ohio
Wheeling	MSA	Marshall and Ohio Counties, W. Va.; Belmont County, Ohio
Wisconsin		
Appleton-Oshkosh-Neenah	MSA	Calumet, Outagamie, and Winnebago Counties
Eau Claire	MSA	Chippewa and Eau Claire Counties
Green Bay	MSA	Brown County
Janesville-Beloit	MSA	Rock County
Kenosha	PMSA	Kenosha County
La Crosse	MSA	La Crosse County
Madison	MSA	Dane County
Milwaukee	PMSA	Milwaukee, Ozaukee, Washington, and Waukesha Counties
Racine	PMSA	Racine County
Sheboygan	MSA	Sheboygan County
Wausau	MSA	Marathon County
Wyoming		
Casper	MSA	Natrona County

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 nonfarm 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 340,000 establishments employing over 40 million nonfarm 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 nonfarm 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 the 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 nonfarm 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; (2) other territories, incorporated and unincorporated, included in urbanized areas. The population not classified as urban constitutes the rural population.

HISTORICAL COMPARABILITY

Change in lower age limit

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

Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force. Four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

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

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

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

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

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and 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 appears in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of this publication.

Beginning in August 1989, the second-stage ratio estimate cells were changed slightly to decrease the chance of very small cells occurring and to be more consistent with published age, sex, race cells. This change had virtually no effect on national estimates.

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 much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation," and some interchange between "professional and related services" and "public administration."

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

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced, in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia

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

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information, providing an opportunity to improve the efficiency of the sample design and increase the reliability for State estimates. 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

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	1330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	2333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to 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.

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

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 729 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

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 38 and 24 age-sex groups respectively; the other races category has 4 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 and August 1989. The nature and effect of the 1985 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 post-censal 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-origin population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race-origin group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

Additional information on nonsampling error in the CPS appears in "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara 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 errors, 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

Table B. Standard errors for major employment status categories

(in thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	275	212
Employed	293	224
Unemployed	136	140
Men, 20 years and over:		
Civilian labor force	173	151
Employed	186	163
Unemployed	93	95
Women, 20 years and over:		
Civilian labor force	211	155
Employed	212	160
Unemployed	83	87
Both sexes, 16 to 19 years:		
Civilian labor force	88	94
Employed	92	102
Unemployed	59	66
Black, 16 years and over:		
Civilian labor force	94	73
Employed	104	79
Unemployed	68	71
Men, 20 years and over:		
Civilian labor force	59	51
Employed	64	57
Unemployed	44	47
Women, 20 years and over:		
Civilian labor force	76	50
Employed	76	54
Unemployed	45	48
Both sexes, 16 to 19 years:		
Civilian labor force	36	40
Employed	33	38
Unemployed	30	33

change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956–66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 174,000. The 68-percent confidence interval as shown by these data is from 11,826,000 to 12,174,000. Therefore, a conclusion that the average estimate derived from all possible samples

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive-month change		Monthly level	Consecutive-month change
Total (all civilian workers)	0.11	0.12	Occupation—Continued		
Men, 20 years and over .....	.15	.15	Precision production, craft, and repair	0.32	0.36
Women, 20 years and over .....	.16	.17	Machine operators, assemblers, and inspectors .....	.49	.55
Both sexes, 16 to 19 years .....	.67	.81	Transportation and material moving .....	.59	.66
White workers .....	.11	.12	Handlers, equipment cleaners, helpers, and laborers .....	.72	.82
Black workers .....	.51	.54	Farming, forestry, and fishing .....	.68	.76
Married men, spouse present .....	.15	.17	Industry		
Married women, spouse present .....	.19	.21	Nonagricultural private wage and salary workers .....	.12	.13
Full-time workers .....	.12	.12	Mining	1.63	1.86
Part-time workers .....	.34	.42	Construction .....	.65	.75
Unemployed 15 weeks and over .....	.06	.07	Manufacturing .....	.26	.29
Occupation			Durable goods .....	.33	.37
Executive, administrative, and managerial .....	.22	.24	Nondurable goods .....	.42	.47
Professional specialty .....	.19	.21	Transportation, communications, and public utilities .....	.42	.48
Technicians and related support .....	.47	.52	Wholesale and retail trade .....	.27	.30
Sales .....	.29	.33	Finance and services .....	.20	.22
Administrative support, including clerical .....	.23	.26	Government workers .....	.23	.25
Private household	1.18	1.33	Agricultural wage and salary workers	1.16	1.32
Protective service .....	.76	.85			
Service, except private household and protective .....	.39	.43			

lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 129,000.

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

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

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.

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 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 correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are 0.30 for persons (total, white, and black) and 0.35 for families (total, white, and black). The respective values for estimates of Hispanics are 0.45 and 0.55.

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

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(0.30) (216,000) (221,000)},$$

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, hours, and earnings in nonfarm establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, and Employment, Hours, and Earnings, States and Areas*, 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 nonfarm establishments and, for most industries, employment, payroll, and hours of production and related workers or non-supervisory 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 (beginning with August 1990 data) and for States and areas (beginning with January 1990 data) are classified in accordance with the *1987 Standard Industrial Classification (SIC) Manual*, Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

Industry employment

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

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency are also excluded.

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

Indexes of diffusion of employment change (table B-7). These indexes measure the dispersion among industries of the change in employment over the specified time span. Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (three-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 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 1982. 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. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. 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.

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 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-term 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 non-production 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 most employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the

sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

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

a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with benchmarks (comprehensive counts of employment) for the various nonfarm industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1989 levels. Benchmark adjustments are made annually.

The primary sources of benchmark information are

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.

agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonfarm payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1988 benchmark adjustment is shown in table M.

Normally, 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

Table M. Comparison of nonfarm employment benchmarks and estimates for March 1989

(In thousands)

Industry	Benchmark	1987 SIC-based estimate	Difference	
			Level	Percent
Total	107,026	107,073	-47	(¹)
Mining	678	703	-25	-3.7
Construction	4,741	4,813	-72	-1.5
Manufacturing	19,396	19,585	-189	-1.0
Transportation and public utilities	5,549	5,646	-97	-1.7
Wholesale trade	6,195	6,145	50	.8
Retail trade	19,115	19,023	92	.5
Finance, insurance, and real estate	6,639	6,714	-75	-1.1
Services	26,702	26,479	223	.8
Government	18,011	17,965	46	.3

¹ Less than 0.05 percent.

included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS 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 late 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.

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 adjusted annually to new benchmarks. In addition to taking account of sampling and

Table N. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1989

Industry	Benchmarks (thousands)	Sample coverage ¹		
		Number of establishments	Employees	
			Number (thousands)	Percent of benchmarks
Total	107,026	282,003	39,158	37
Mining	678	3,352	261	38
Construction	4,741	27,194	948	20
Manufacturing	19,396	51,253	9,377	48
Transportation and public utilities	5,549	214,673	22,149	39
Wholesale trade	6,195	25,311	1,120	18
Retail trade	19,115	55,477	4,136	22
Finance, insurance, and real estate	6,639	21,001	2,139	32
Services	26,702	63,877	6,184	23
Government:				
Federal	2,976	(³)	2,976	100
State	4,257	4,437	3,207	75
Local	10,778	15,428	6,661	62

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. A small sample is used to estimate hours and earnings data.

³ Total Federal employment counts by agency 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.

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 employment estimates ¹	Relative error ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private .....	.2	0.1	0.2
Mining	2.6	1.0	1.3
Construction	1.4	.2	.5
Manufacturing .....	.8	.1	.2
Durable goods .....	.6	.1	.3
Nondurable goods .....	.9	.1	.2
Transportation and public utilities .....	.7	.7	.6
Wholesale trade	1.1	.2	.4
Retail trade .....	.5	.2	.4
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.4	.4	.6
Government ³ .....	.4	-	-

¹ The average percent revision in employment for the 1985-89 benchmarks.

² Relative errors relate to 1982 data.

³ Data 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.

response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes

in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

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

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

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

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of

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.

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. Defini-

tions 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	76,100	75,200	Nondurable goods—Continued		
Total private	59,700	57,100	Printing and publishing	2,100	2,000
Goods-producing industries	21,700	21,100	Chemicals and allied products ..	2,600	2,800
Mining	3,700	3,400	Petroleum and coal products ...	1,200	1,200
Oil and gas extraction	3,100	2,800	Rubber and misc. plastics		
Construction	13,800	14,600	products	1,600	1,600
General building contractors ..	5,200	5,400	Leather and leather products ..	1,400	1,300
Manufacturing	16,700	17,700	Service-producing industries	71,200	69,300
Durable goods	12,600	11,600	Transportation and public utilities ...	14,500	12,900
Lumber and wood products ...	2,100	1,900	Transportation	12,600	10,500
Furniture and fixtures	1,600	1,600	Communications and public utilities .	5,500	4,900
Stone, clay, and glass products .	1,500	1,500	Wholesale trade	7,800	7,100
Primary metal industries	4,000	3,800	Durable goods	5,600	4,900
Blast furnaces and basic			Nondurable goods	4,900	4,300
steel products	3,000	2,700	Retail trade	35,200	30,800
Fabricated metal products	2,200	2,100	General merchandise stores	22,300	19,800
Industrial machinery			Food stores	7,000	6,100
and equipment	5,600	6,600	Automotive dealers and		
Electronic and other			service stations	4,000	4,900
electrical equipment	4,200	4,100	Eating and drinking places	8,800	7,700
Transportation equipment	7,200	6,700	Finance, insurance, and real estate ..	8,000	6,700
Motor vehicles and equipment .	6,000	6,100	Finance	4,000	3,500
Instruments and related products	2,000	2,100	Insurance	3,600	3,000
Miscellaneous manufacturing ...	1,800	1,600	Real estate	4,300	3,800
Nondurable goods	8,300	8,200	Services	31,000	32,100
Food and kindred products	5,200	4,900	Business services	11,000	10,400
Tobacco products	1,400	1,300	Health services	8,500	7,800
Textile mill products	1,800	1,600	Government	51,900	45,800
Apparel and other textile			Federal	16,100	11,600
products	4,300	4,000	State	20,800	16,900
Paper and allied products	1,500	1,400	Local	35,600	36,200

NOTE: Data are based on differences from December 1984 through December 1989.

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 calculated and published twice a year. Revisions of historical data will continue to be made once a year, coincident with benchmark revisions.

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 1982 annual average 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 1982 annual average 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 workers for the

decennial census, however, are removed prior to the calculation of seasonal adjustment factors.

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 was also used for the seasonal adjustment of many of the establishment-based series on average weekly hours and manufacturing overtime hours, starting with the computation of the projected factors for the period beginning in April 1990.

Revised seasonally adjusted establishment-based series based on the experience through May 1990, new seasonal adjustment factors for August 1990–April 1991, and a description of the current seasonal adjustment procedure appear in the September 1990 issue of *Employment and Earnings*.

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

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