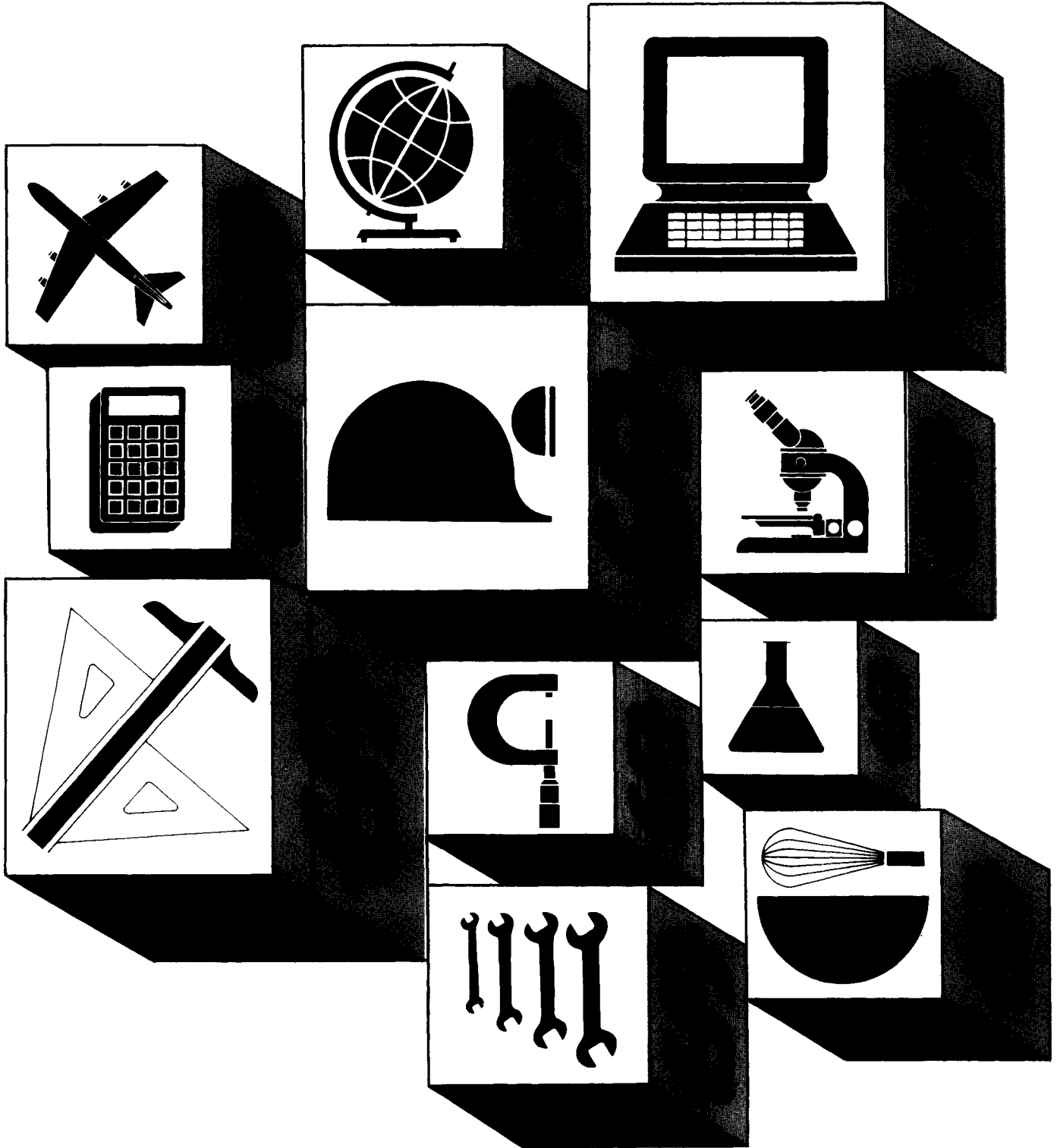


# EMPLOYMENT AND EARNINGS

In this issue:  
Revised seasonally adjusted labor force series

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





## U.S. DEPARTMENT OF LABOR

Lynn Martin, Secretary

## Calendar of Features

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

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

### Household data

Annual averages	Jan.
Union affiliation	Jan.
Earnings by detailed occupation	Jan.
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.

### 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 <sup>1</sup>
Revised historical national data	( <sup>2</sup> )
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual averages	May
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<sup>1</sup> The September 1990 issue introduced March 1989 benchmarks.

<sup>2</sup> A historical bulletin is forthcoming.

# Employment and Earnings

Vol. 38 No. 2 February 1991

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Editors: Gloria Peterson Green, Rosalie K. Epstein

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# Employment and Unemployment Developments, January 1991

Employment declined in January and unemployment continued its upward trend. The civilian worker unemployment rate was 6.2 percent, compared with 6.1 percent in December and 5.3 percent last June.

Nonfarm payroll employment, as measured by the survey of business establishments, dropped by 230,000 in January and has declined by about 1 million since last June. Total civilian employment, as estimated through the survey of households, fell substantially in January and since June has declined by over 1 million workers.

## Unemployment

The number of unemployed persons edged up to 7.7 million, seasonally adjusted, in January, and the civilian worker unemployment rate moved up to 6.2 percent, continuing the uptrend which began last summer. Since June, the jobless count has risen by 1.2 million and the jobless rate has increased by nine-tenths of a percentage point. Both measures were at their highest points in more than 3-1/2 years.

Teenagers accounted for the upward movement in unemployment in January. Their jobless rate rose substantially, from 16.6 to 18.2 percent, while the rates for adult men (5.6 percent) and adult women (5.3 percent) were unchanged over the month. Among the major race-ethnic groups, the jobless rate for whites rose 0.2 percentage point to 5.5 percent in January, the rate for blacks (12.1 percent) was about the same as in December, and the rate for Hispanics (9.3 percent) was unchanged. Rates for each of these groups have increased substantially since mid-1990. (See tables A-33 and A-34.)

The number of unemployed persons who lost their last jobs rose by 270,000 in January to 4.1 million. The number of job losers has increased by about 850,000 since June and now account for 53 percent of the total unemployed. The number of unemployed persons who had voluntarily left their last jobs declined over the month. (See table A-41.)

The number of persons working part time for economic reasons—sometimes referred to as the partially unemployed—was about unchanged but, at 5.5 million in January, was up substantially from the levels that prevailed during the first half of 1990. (See table A-35.)

## Civilian employment and the labor force

Total civilian employment, which had shown a small increase in December, fell by 650,000 in January to a seasonally adjusted level of 116.9 million. The percentage

of the population that is employed (the employment-population ratio) dropped by four-tenths of a point in January to 61.9 percent, its lowest level since March 1988. (See table A-33.)

The civilian labor force fell by 540,000 in January to 124.6 million; this followed an increase of 450,000 in December. Over the past year, the labor force has grown only negligibly—by 300,000—while the working-age population has continued to increase at a faster pace. As a result, the civilian labor force participation rate dropped by half a percentage point over the past year to 66.0 percent in January. Most of the decreasing participation has occurred among teenagers. (See table A-33.)

## Industry payroll employment

Nonfarm payroll employment decreased by 230,000 in January to 109.8 million, following a decline of 150,000 in December, as revised. Job losses now total over a million since last June, with about three-fourths of the decline occurring in the private sector. The construction and manufacturing industries were the hardest hit in January. (See table B-4.)

Construction employment fell by 155,000, seasonally adjusted, with some portion of the decline probably resulting from unusually bad weather during the January survey period. This industry has lost 450,000 jobs since last May.

Manufacturing employment declined by 70,000 over the month, continuing a downtrend which has resulted in the loss of 900,000 jobs since the beginning of 1989. Factory employment declines were concentrated in the durable goods industries, with large losses in construction-related industries—lumber and wood products, furniture and fixtures, and stone, clay, and glass products—and in industries engaged in or related to auto manufacturing—motor vehicles and equipment and fabricated metals.

Employment in the service-producing sector was unchanged in January following losses of 60,000 in December. Weakness in many of the service-sector industries was offset by a seasonally adjusted increase in retail trade, where a very weak pre-Christmas buildup led to smaller-than-expected January cutbacks.

Wholesale trade employment edged down in January; the industry has lost 70,000 jobs since it peaked in June. All of the over-the-month decline was in durable goods distribution, mostly in machinery and motor vehicles.

The services industry, which had continued to add jobs

through November, now has had 2 consecutive months without further growth. Business services continued to experience large losses, as employment was down more than 30,000 over the month and 90,000 over the past 4 months. Health services added about 40,000 jobs.

### Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls, which has been quite volatile during the economic downturn, decreased by 0.5 hour in January to 34.1 hours, seasonally adjusted, following increases in the prior 2 months. The manufacturing workweek also decreased by half an hour to 40.2 hours, and factory overtime, at 3.4 hours, declined by 0.2 hour. While both the manufacturing workweek and overtime had increased in December, they have been generally trending downward in recent months. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers decreased by 1.9 percent to 121.7 (1982=100) in January, seasonally adjusted, as a result of the sizable declines in both employment and working hours. The index for manufacturing decreased 1.4 percent to 102.2, seasonally adjusted. Over the year, the index for manufacturing was down by 4.4 percent. (See table C-6.)

### Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers were essentially unchanged in January, on a seasonally adjusted basis, at \$10.18. Average weekly earnings decreased 1.5 percent to \$347.14. Prior to seasonal adjustment, average weekly earnings were down \$8.85. Over the past year, average hourly earnings increased by 3.7 percent and average weekly earnings by 2.5 percent. (See tables C-1 and C-7.)

<b>Scheduled Release Dates</b>			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
February	March 8	May	June 7
March	April 5	June	July 5
April	May 3	July	August 2



# Massive Census Hiring Affected Nonfarm Payroll Employment Picture in 1990

William C. Goodman

Workers hired for the 1990 decennial census added 378,000 jobs to the Federal payroll during the first half of 1990, with nearly all of the jobs ending during the second half of the year.<sup>1</sup> Large monthly swings in the number of these workers had a considerable impact on month-to-month changes in employment as measured by the BLS survey of nonfarm business establishments.

Some temporary census hiring occurred prior to 1990. In June and July of 1989 nearly 30,000 temporary workers were involved in the compilation and updating of address lists; this activity ended in September 1989, and the number of temporary census workers dropped to about 2,000.

The major buildup for the decennial census started in January 1990, when the number of temporary census workers receiving paychecks grew to 22,000. The number was

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<sup>1</sup> These BLS estimates of the number of temporary decennial census workers are based on data provided by the U.S. Department of Commerce. The estimates reflect the number of temporary decennial census workers receiving at least one paycheck during the reference month. The total exceeds the number employed in any given week because some jobs ended and others started during the month.

unchanged in February and then increased to 117,000 in March in preparation for the check-in activities for the completed census forms. April activities that related to editing the survey forms brought the total to 178,000 workers. The greatest increase occurred in May when the number more than doubled to 378,000; most of these additional workers were involved in nonresponse followup, either by phone or in person. Nearly all of this work came to an end during July and August, and the decennial worker total declined to just 26,000 in September. A further wind-down brought the number to under 10,000 by the end of the year. (See table 1.)

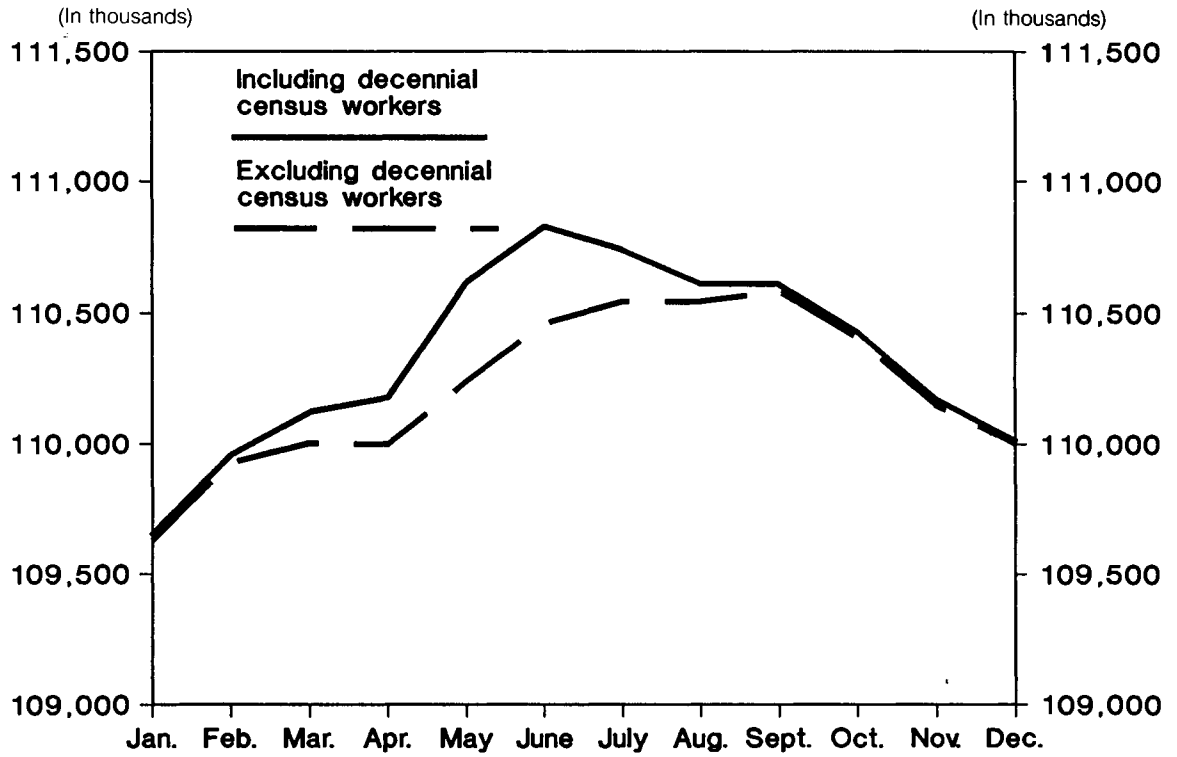
Hiring and layoff activity associated with the census distorted employment trends just as the long economic expansion was coming to an end. The result was a picture of continued strong job growth through June 1990, followed by a sharp dropoff beginning in July. When these temporary jobs are excluded from the data, a different underlying pattern emerges. Employment grew more moderately during the second quarter, was flat in the third quarter, and suffered steep declines in the fourth quarter. Thus, it appears that the employment downturn began in October after 3 months of little or no growth, rather than earlier as a sudden reversal in July, as the total employment figures suggest. (See chart. 1)

**Table 1. Total nonfarm payroll employment including and excluding census workers, 1990, seasonally adjusted**

(In thousands)

Month	Number of employees			Month-to-month change		
	Total	1990 census workers	Total excluding census workers	Total	1990 census workers	Total excluding census workers
January	109,654	22	109,632	271	20	251
February	109,958	27	109,931	304	5	299
March	110,122	117	110,005	164	90	74
April	110,177	178	109,999	55	61	-6
May	110,617	378	110,239	440	200	240
June	110,829	367	110,462	212	-11	223
July	110,740	194	110,546	-89	-173	84
August	110,613	66	110,547	-127	-128	1
September	110,612	26	110,586	-1	-40	39
October	110,432	23	110,409	-178	-3	-175
November	110,097	17	110,080	-335	-5	-229
December	110,012	8	110,004	-85	-8	-77

**Chart 1. Nonfarm payroll employment including and excluding census workers, 1990, seasonally adjusted**



**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			
<b>Annual averages</b>											
1958 .....	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	8.6	48,088
1959 .....	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 <sup>1</sup> .....	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961 .....	120,671	72,359	60.0	67,846	1,900	65,746	5,200	60,546	4,714	6.5	48,312
1962 <sup>2</sup> .....	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539
1963 .....	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583
1964 .....	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,766	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 .....	130,160	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288
1967 .....	132,092	78,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527
1968 .....	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291
1969 .....	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602
1970 .....	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971 .....	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 <sup>2</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 <sup>3</sup> .....	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974 .....	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975 .....	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976 .....	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977 .....	160,689	100,665	62.8	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 <sup>4</sup> .....	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	8,202	6.0	59,659
1979 .....	166,480	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 <sup>5</sup> .....	182,293	119,540	65.6	111,303	1,706	109,597	3,183	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	1,888	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	3,188	114,728	8,674	5.4	63,262
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1990:</b>											
January .....	188,990	126,186	66.8	119,642	1,697	117,945	3,145	114,800	6,544	5.2	62,804
February .....	189,090	126,331	66.8	119,752	1,676	118,074	3,119	114,955	6,579	5.2	62,759
March .....	189,198	126,467	66.8	119,904	1,669	118,235	3,197	115,038	6,583	5.2	62,731
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	3,266	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	63,160
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	114,889	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
<b>1991:</b>											
January .....	190,592	126,253	66.2	118,537	1,615	116,922	3,163	113,759	7,715	6.1	64,339

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for

seasonal variation.

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

**HOUSEHOLD DATA  
HISTORICAL**

**A-2. Employment status of the noninstitutional population 16 years and over by sex, 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			
<b>Annual averages</b>											
<b>MEN</b>											
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	8,179	9.7	19,073
1983 .....	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484
1984 .....	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771
1985 .....	86,025	65,967	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058
1986 <sup>1</sup> .....	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376
1987 .....	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692
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
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1990:</b>											
January .....	90,772	69,608	76.7	66,013	1,523	64,490	2,493	61,997	3,595	5.2	21,164
February .....	90,822	69,648	76.7	66,086	1,506	64,580	2,471	62,109	3,562	5.1	21,174
March .....	90,874	69,667	76.7	66,104	1,497	64,607	2,497	62,110	3,583	5.1	21,207
April .....	90,942	69,697	76.6	66,035	1,499	64,536	2,435	62,101	3,682	5.3	21,245
May .....	91,014	69,729	76.6	66,061	1,472	64,569	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	65,726	1,462	64,266	2,478	61,788	3,795	5.5	21,645
August .....	91,240	69,552	76.2	65,663	1,475	64,168	2,477	61,711	3,689	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	2,516	61,819	4,109	5.9	21,541
December .....	91,537	70,058	76.5	65,761	1,454	64,327	2,572	61,755	4,277	6.1	21,479
<b>1991:</b>											
January .....	91,590	69,543	75.9	65,251	1,453	63,798	2,466	61,331	4,292	6.2	22,047
<b>Annual averages</b>											
<b>WOMEN</b>											
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	687	42,333	3,696	7.9	42,922
1982 .....	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993
1983 .....	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181
1984 .....	92,924	49,855	53.7	46,081	146	45,935	653	45,282	3,794	7.6	43,068
1985 .....	93,866	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686
1986 <sup>1</sup> .....	94,844	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	51,856	162	51,696	676	51,020	3,046	5.5	42,014
1989 .....	97,798	56,198	57.5	53,195	168	53,027	667	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
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1990:</b>											
January .....	98,218	56,578	57.6	53,829	174	53,455	652	52,803	2,949	5.2	41,640
February .....	98,266	56,683	57.7	53,666	172	53,494	648	52,846	3,017	5.3	41,565
March .....	98,324	56,800	57.8	53,800	172	53,628	700	52,928	3,000	5.3	41,524
April .....	98,363	56,741	57.7	53,712	158	53,554	705	52,849	3,029	5.3	41,642
May .....	98,453	56,649	57.5	53,855	187	53,668	724	52,964	2,994	5.3	41,604
June .....	98,520	56,816	57.7	53,903	185	53,738	708	53,030	2,915	5.1	41,702
July .....	98,595	56,813	57.6	53,761	165	53,616	630	52,986	3,032	5.3	41,782
August .....	98,661	56,793	57.6	53,687	165	53,502	675	52,827	3,126	5.5	41,668
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	158	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	3,226	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
<b>1991:</b>											
January .....	99,002	56,710	57.3	53,267	162	53,125	697	52,428	3,423	6.0	42,292

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

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

**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
<b>Annual averages</b>								
1958 .....	113,727	67,639	59.5	63,036	4,602	6.6	6.8	6.8
1959 .....	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 <sup>1</sup> .....	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961 .....	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 <sup>2</sup> .....	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963 .....	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964 .....	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965 .....	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966 .....	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967 .....	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968 .....	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969 .....	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970 .....	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971 .....	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 <sup>2</sup> .....	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>2</sup> .....	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974 .....	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975 .....	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976 .....	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977 .....	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 <sup>2</sup> .....	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979 .....	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980 .....	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981 .....	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982 .....	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983 .....	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984 .....	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985 .....	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987 .....	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
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
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1990:</b>								
January .....	187,293	124,489	66.5	117,945	6,544	5.3	5.3	5.2
February .....	187,412	124,653	66.5	118,074	6,579	5.3	5.2	5.3
March .....	187,529	124,798	66.5	118,235	6,563	5.3	5.2	5.3
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
<b>1991:</b>								
January .....	188,977	124,638	66.0	116,922	7,715	6.2	6.3	6.1

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

Explanatory Notes.

<sup>2</sup> The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	January 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					
<b>TOTAL</b>											
16 years and over .....	188,977	123,585	65.4	114,990	8,595	7.0	65,392	26,944	8,938	3,738	25,773
16 to 19 years .....	13,567	6,526	48.1	5,259	1,267	19.4	7,041	447	5,966	44	585
16 to 17 years .....	6,599	2,350	35.6	1,868	482	20.5	4,249	109	3,953	11	175
18 to 19 years .....	6,969	4,176	59.9	3,391	785	18.8	2,793	338	2,013	33	410
20 to 24 years .....	17,839	13,569	76.1	12,104	1,465	10.8	4,270	1,533	1,836	87	814
25 to 54 years .....	106,392	88,434	83.1	83,157	5,277	6.0	17,958	11,916	1,093	1,551	3,397
25 to 34 years .....	42,557	35,276	82.9	32,755	2,521	7.1	7,282	4,972	773	391	1,144
25 to 29 years .....	20,525	16,940	82.5	15,645	1,295	7.6	3,584	2,386	465	158	576
30 to 34 years .....	22,033	18,335	83.2	17,109	1,226	6.7	3,697	2,586	306	234	569
35 to 44 years .....	38,117	32,444	85.1	30,677	1,767	5.4	5,674	3,872	263	547	992
35 to 39 years .....	20,138	17,017	84.5	16,013	1,004	5.9	3,121	2,218	171	256	477
40 to 44 years .....	17,979	15,427	85.8	14,664	763	4.9	2,552	1,854	92	291	515
45 to 54 years .....	25,717	20,715	80.5	19,725	989	4.8	5,003	3,071	57	613	1,261
45 to 49 years .....	14,056	11,770	83.7	11,194	576	4.9	2,286	1,451	34	253	549
50 to 54 years .....	11,661	8,945	78.7	8,532	413	4.6	2,716	1,620	23	360	713
55 to 64 years .....	21,194	11,757	55.5	11,276	481	4.1	9,437	4,392	25	842	4,178
55 to 59 years .....	10,593	7,123	67.2	6,815	309	4.3	3,489	1,894	19	420	1,137
60 to 64 years .....	10,602	4,634	43.7	4,462	172	3.7	5,968	2,499	6	422	3,041
65 years and over .....	29,984	3,299	11.0	3,194	105	3.2	26,686	8,656	18	1,214	16,798
65 to 69 years .....	10,105	1,948	19.3	1,885	63	3.2	8,158	2,756	8	295	5,099
70 to 74 years .....	8,048	881	10.9	848	33	3.8	7,166	2,348	3	254	4,562
75 years and over .....	11,832	470	4.0	461	9	1.9	11,362	3,551	8	685	7,137
<b>Men</b>											
16 years and over .....	90,137	67,462	74.8	62,372	5,090	7.5	22,675	644	4,555	2,118	15,359
16 to 19 years .....	6,866	3,373	49.1	2,685	688	20.4	3,493	27	3,114	31	320
16 to 17 years .....	3,388	1,240	36.6	976	264	21.3	2,148	12	2,041	5	90
18 to 19 years .....	3,478	2,133	61.3	1,709	424	19.9	1,344	15	1,073	26	230
20 to 24 years .....	8,694	7,155	82.3	6,238	917	12.8	1,539	61	978	63	438
25 to 54 years .....	52,077	48,350	92.8	45,248	3,102	6.4	3,727	290	451	1,041	1,944
25 to 34 years .....	20,917	19,497	93.2	18,025	1,472	7.5	1,420	142	351	261	685
25 to 29 years .....	10,041	9,301	92.6	8,548	753	8.1	739	79	235	102	323
30 to 34 years .....	10,876	10,195	93.7	9,477	719	7.0	881	63	118	159	342
35 to 44 years .....	18,859	17,589	93.3	16,570	1,019	5.8	1,070	84	83	364	539
35 to 39 years .....	9,892	9,379	94.8	8,782	596	6.4	514	45	54	188	248
40 to 44 years .....	8,767	8,210	93.7	7,787	423	5.1	556	39	29	196	292
45 to 54 years .....	12,502	11,265	90.1	10,653	612	5.4	1,237	64	17	416	739
45 to 49 years .....	8,855	6,330	92.3	5,972	359	5.7	525	26	10	183	306
50 to 54 years .....	5,647	4,935	87.4	4,682	253	5.1	712	38	8	234	433
55 to 64 years .....	10,000	6,728	67.3	6,399	330	4.9	3,271	80	9	503	2,679
55 to 59 years .....	5,065	4,073	80.4	3,860	212	5.2	992	32	7	263	691
60 to 64 years .....	4,935	2,856	53.8	2,538	117	4.4	2,279	49	2	241	1,988
65 years and over .....	12,500	1,855	14.8	1,802	53	2.9	10,645	186	3	478	9,979
65 to 69 years .....	4,582	1,056	23.1	1,022	35	3.3	3,526	55	3	158	3,310
70 to 74 years .....	3,549	517	14.6	501	16	3.1	3,033	54	-	110	2,868
75 years and over .....	4,368	281	6.4	279	3	0.9	4,087	77	-	210	3,800
<b>Women</b>											
16 years and over .....	98,840	56,123	56.8	52,818	3,505	6.2	42,717	26,299	4,383	1,622	10,413
16 to 19 years .....	6,701	3,153	47.0	2,573	579	18.4	3,549	419	2,852	13	285
16 to 17 years .....	3,210	1,110	34.6	692	218	19.6	2,101	97	1,912	6	85
18 to 19 years .....	3,491	2,043	58.5	1,681	362	17.7	1,448	322	939	7	180
20 to 24 years .....	9,145	8,414	70.1	5,866	548	8.5	2,731	1,472	858	25	377
25 to 54 years .....	54,315	40,084	73.8	37,909	2,175	5.4	14,231	11,626	642	510	1,454
25 to 34 years .....	21,641	15,779	72.9	14,729	1,050	6.7	5,862	4,830	422	130	479
25 to 29 years .....	10,484	7,639	72.9	7,097	542	7.1	2,845	2,307	230	56	252
30 to 34 years .....	11,157	8,140	73.0	7,633	507	6.2	3,016	2,523	192	74	227
35 to 44 years .....	19,459	14,855	76.3	14,107	748	5.0	4,604	3,789	180	183	452
35 to 39 years .....	10,246	7,638	74.5	7,231	408	5.3	2,608	2,173	117	88	229
40 to 44 years .....	9,212	7,217	78.3	6,876	340	4.7	1,996	1,615	83	95	223
45 to 54 years .....	13,216	9,450	71.5	9,072	378	4.0	3,766	3,007	40	196	522
45 to 49 years .....	7,201	5,440	75.5	5,222	218	4.0	1,761	1,425	24	70	242
50 to 54 years .....	6,014	4,010	66.7	3,850	160	4.0	2,004	1,582	15	126	280
55 to 64 years .....	11,195	5,029	44.9	4,878	151	3.0	6,166	4,312	16	338	1,499
55 to 59 years .....	5,528	3,051	55.2	2,954	96	3.2	2,477	1,862	12	157	446
60 to 64 years .....	5,667	1,978	34.9	1,923	55	2.8	3,688	2,450	4	182	1,053
65 years and over .....	17,464	1,444	8.3	1,392	52	3.6	16,040	8,470	15	736	6,819
65 to 69 years .....	5,523	891	16.1	863	28	3.2	4,632	2,702	5	137	1,769
70 to 74 years .....	4,498	364	8.1	347	17	4.7	4,134	2,294	3	143	1,684
75 years and over .....	7,463	189	2.5	182	7	3.5	7,275	3,475	8	455	3,337

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

(Numbers in thousands)

Age, sex, and race	January 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					
<b>WHITE</b>											
16 years and over .....	161,007	106,092	65.9	99,422	6,670	6.3	54,915	23,094	6,620	2,816	22,385
16 to 19 years .....	10,866	5,665	52.1	4,676	989	17.5	5,201	337	4,394	41	429
16 to 17 years .....	5,245	2,068	39.4	1,678	390	18.8	3,177	87	2,940	9	141
18 to 19 years .....	5,621	3,597	64.0	2,998	600	16.7	2,024	250	1,455	32	288
20 to 24 years .....	14,669	11,459	78.1	10,401	1,058	9.2	3,210	1,130	1,413	67	600
25 to 54 years .....	90,157	75,670	83.9	71,559	4,110	5.4	14,487	9,924	780	1,154	2,629
25 to 34 years .....	35,618	29,924	84.0	28,028	1,896	6.3	5,893	4,034	553	272	834
25 to 29 years .....	17,100	14,332	83.8	13,389	943	6.6	2,768	1,914	330	102	422
30 to 34 years .....	18,518	15,592	84.2	14,639	953	6.1	2,926	2,120	223	170	412
35 to 44 years .....	32,479	27,851	85.8	26,440	1,411	5.1	4,628	3,266	177	436	749
35 to 39 years .....	17,044	14,486	85.0	13,691	795	5.5	2,558	1,884	104	201	370
40 to 44 years .....	15,435	13,365	86.6	12,750	615	4.6	2,070	1,382	73	234	380
45 to 54 years .....	22,060	17,895	81.1	17,091	804	4.5	4,165	2,623	50	446	1,046
45 to 49 years .....	12,085	10,158	84.1	9,693	465	4.6	1,927	1,268	28	189	441
50 to 54 years .....	9,975	7,737	77.6	7,398	339	4.4	2,238	1,355	22	257	805
55 to 64 years .....	18,450	10,324	56.0	9,913	411	4.0	8,126	3,825	22	640	3,640
55 to 59 years .....	9,114	6,210	68.1	5,949	261	4.2	2,904	1,617	18	317	954
60 to 64 years .....	9,336	4,114	44.1	3,964	150	3.7	5,222	2,209	5	323	2,685
65 years and over .....	26,865	2,975	11.1	2,873	102	3.4	23,891	7,878	11	915	15,087
65 to 69 years .....	8,974	1,760	19.8	1,700	59	3.4	7,214	2,494	4	211	4,505
70 to 74 years .....	7,225	783	10.8	751	32	4.1	6,442	2,149	3	203	4,087
75 years and over .....	10,666	432	4.0	422	10	2.2	10,234	3,235	4	500	6,495
<b>Men</b>											
16 years and over .....	77,410	58,597	75.7	54,556	4,041	6.9	18,813	446	3,366	1,616	13,384
16 to 19 years .....	5,490	2,934	53.4	2,394	540	18.4	2,556	16	2,283	29	228
16 to 17 years .....	2,686	1,101	41.0	864	218	19.8	1,585	7	1,503	5	70
18 to 19 years .....	2,804	1,833	65.4	1,510	323	17.6	971	8	780	24	158
20 to 24 years .....	7,202	6,045	83.9	5,363	682	11.3	1,156	32	764	44	317
25 to 54 years .....	44,691	41,928	93.8	39,447	2,482	5.9	2,783	190	309	786	1,478
25 to 34 years .....	17,752	16,771	94.5	15,617	1,154	6.9	980	82	254	181	464
25 to 29 years .....	8,490	7,977	94.0	7,390	587	7.4	513	51	172	65	225
30 to 34 years .....	9,262	6,794	95.0	6,227	567	6.4	468	31	83	116	238
35 to 44 years .....	18,122	15,331	95.1	14,498	835	5.4	791	59	41	294	397
35 to 39 years .....	8,491	8,102	95.4	7,619	483	6.0	389	30	24	133	202
40 to 44 years .....	7,631	7,229	94.7	6,877	352	4.9	402	29	17	161	195
45 to 54 years .....	10,818	9,826	90.8	9,333	493	5.0	992	49	13	314	616
45 to 49 years .....	5,944	5,522	92.9	5,236	286	5.2	422	19	6	143	255
50 to 54 years .....	4,874	4,304	88.3	4,087	207	4.8	570	30	8	171	361
55 to 64 years .....	8,793	5,988	68.1	5,703	284	4.8	2,805	50	6	386	2,363
55 to 59 years .....	4,383	3,602	82.2	3,422	180	5.0	781	18	5	192	567
60 to 64 years .....	4,409	2,366	54.1	2,281	105	4.4	2,024	32	2	195	1,795
65 years and over .....	11,235	1,701	15.1	1,649	53	3.1	9,534	159	3	371	9,000
65 to 69 years .....	4,100	974	23.8	941	33	3.4	3,126	51	3	118	2,953
70 to 74 years .....	3,167	465	14.7	449	16	3.5	2,702	46	-	96	2,560
75 years and over .....	3,968	262	6.6	259	3	1.1	3,705	83	-	157	3,486
<b>Women</b>											
16 years and over .....	83,597	47,495	56.8	44,867	2,629	5.5	36,102	22,648	3,255	1,198	9,001
16 to 19 years .....	5,376	2,731	50.8	2,282	449	16.4	2,645	321	2,111	12	201
16 to 17 years .....	2,559	967	37.8	795	172	17.8	1,592	80	1,437	4	72
18 to 19 years .....	2,817	1,784	62.6	1,487	277	15.7	1,053	241	675	8	130
20 to 24 years .....	7,467	5,413	72.5	5,038	376	6.9	2,054	1,099	649	23	283
25 to 54 years .....	45,466	33,742	74.2	32,113	1,629	4.8	11,724	9,734	471	366	1,153
25 to 34 years .....	17,866	13,153	73.6	12,411	742	5.6	4,713	3,952	299	92	370
25 to 29 years .....	8,610	6,355	73.8	5,999	356	5.6	2,255	1,863	156	37	196
30 to 34 years .....	9,256	6,798	73.4	6,412	386	5.7	2,458	2,089	141	55	174
35 to 44 years .....	16,357	12,520	76.5	11,944	576	4.6	3,838	3,207	136	142	353
35 to 39 years .....	8,554	8,364	97.2	8,072	312	4.9	2,169	1,854	79	68	168
40 to 44 years .....	7,804	6,135	78.6	5,872	263	4.3	1,668	1,353	57	74	185
45 to 54 years .....	11,242	8,089	71.8	7,758	311	3.9	3,173	2,575	37	132	430
45 to 49 years .....	6,142	4,636	75.5	4,457	179	3.9	1,506	1,250	23	47	187
50 to 54 years .....	5,100	3,433	67.3	3,301	132	3.8	1,668	1,325	14	86	243
55 to 64 years .....	9,657	4,336	44.9	4,210	127	2.9	5,321	3,775	15	253	1,277
55 to 59 years .....	4,730	2,607	55.1	2,526	81	3.1	2,123	1,599	12	125	387
60 to 64 years .....	4,927	1,729	35.1	1,683	46	2.6	3,198	2,177	3	128	890
65 years and over .....	15,631	1,273	8.1	1,224	49	3.8	14,357	7,719	6	544	6,087
65 to 69 years .....	4,874	765	16.1	759	26	3.3	4,088	2,443	1	93	1,551
70 to 74 years .....	4,058	316	7.8	302	16	5.1	3,740	2,103	3	107	1,527
75 years and over .....	6,699	170	2.5	163	7	4.0	6,529	3,173	4	344	3,008

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	January 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					
<b>BLACK</b>											
16 years and over .....	21,470	13,341	62.1	11,707	1,634	12.2	8,129	2,916	1,677	817	2,719
16 to 19 years .....	2,122	678	31.9	434	244	36.0	1,444	98	1,213	3	132
16 to 17 years .....	1,045	219	20.9	136	83	38.0	826	22	771	2	31
18 to 19 years .....	1,076	459	42.6	298	161	35.0	619	76	441	1	101
20 to 24 years .....	2,479	1,651	66.6	1,303	348	21.1	828	355	278	17	178
25 to 54 years .....	12,185	9,640	79.1	8,648	992	10.3	2,545	1,426	178	335	607
25 to 34 years .....	5,318	4,146	78.0	3,596	549	13.3	1,173	703	114	103	253
25 to 29 years .....	2,621	2,015	76.9	1,713	303	15.0	606	364	70	41	130
30 to 34 years .....	2,697	2,131	79.0	1,884	247	11.6	567	339	44	61	122
35 to 44 years .....	4,190	3,439	82.1	3,141	298	8.7	751	409	59	95	188
35 to 39 years .....	2,317	1,915	82.7	1,736	179	9.3	402	226	47	43	86
40 to 44 years .....	1,873	1,524	81.3	1,404	120	7.8	349	183	12	52	102
45 to 54 years .....	2,676	2,055	76.8	1,911	144	7.0	622	314	5	137	167
45 to 49 years .....	1,422	1,165	82.0	1,075	90	7.7	258	121	4	53	77
50 to 54 years .....	1,255	889	70.9	836	54	6.1	365	192	1	83	89
55 to 64 years .....	2,147	1,101	51.3	1,055	46	4.2	1,046	414	1	185	446
55 to 59 years .....	1,145	891	60.3	658	34	4.9	454	202	-	94	158
60 to 64 years .....	1,001	410	40.9	398	12	3.0	591	212	1	91	287
65 years and over .....	2,537	271	10.7	267	4	1.6	2,266	624	7	278	1,356
65 to 69 years .....	899	164	18.2	160	4	2.3	736	203	3	77	452
70 to 74 years .....	668	77	11.5	76	1	1.3	591	160	-	47	383
75 years and over .....	970	31	3.2	31	-	( <sup>1</sup> )	939	260	4	154	521
<b>Men</b>											
16 years and over .....	9,647	6,597	68.4	5,715	882	13.4	3,050	169	827	433	1,622
16 to 19 years .....	1,052	325	30.9	203	122	37.6	727	11	636	1	78
16 to 17 years .....	528	98	18.7	61	38	38.4	429	5	404	-	20
18 to 19 years .....	524	227	43.2	142	84	37.2	297	6	231	1	58
20 to 24 years .....	1,151	870	75.6	687	203	23.3	261	27	131	16	107
25 to 54 years .....	5,449	4,718	86.6	4,194	524	11.1	731	84	61	209	376
25 to 34 years .....	2,391	2,060	86.2	1,765	275	13.3	331	57	33	67	174
25 to 29 years .....	1,168	1,006	86.1	867	139	13.8	163	25	23	25	90
30 to 34 years .....	1,223	1,054	86.2	918	136	12.9	168	32	10	42	84
35 to 44 years .....	1,873	1,661	88.7	1,502	159	9.6	212	18	26	59	110
35 to 39 years .....	1,036	949	91.5	847	102	10.8	88	9	15	27	37
40 to 44 years .....	836	712	85.1	655	57	8.0	124	9	10	32	73
45 to 54 years .....	1,185	997	84.2	908	90	9.0	188	10	2	83	93
45 to 49 years .....	630	556	88.2	498	58	10.5	74	4	2	32	36
50 to 54 years .....	554	441	79.8	410	32	7.2	113	6	-	51	56
55 to 64 years .....	970	561	57.8	528	33	5.9	409	26	-	110	273
55 to 59 years .....	537	347	64.7	322	25	7.2	190	13	-	67	109
60 to 64 years .....	433	214	49.3	206	8	3.8	220	13	-	43	164
65 years and over .....	1,026	124	12.0	123	1	.8	903	20	-	96	786
65 to 69 years .....	384	66	17.3	65	1	( <sup>1</sup> )	318	3	-	38	277
70 to 74 years .....	313	39	12.6	39	-	( <sup>1</sup> )	274	6	-	11	256
75 years and over .....	329	18	5.4	18	-	( <sup>1</sup> )	311	11	-	48	253
<b>Women</b>											
16 years and over .....	11,823	6,744	57.0	5,992	752	11.1	5,079	2,747	849	385	1,097
16 to 19 years .....	1,070	353	33.0	231	122	34.5	718	86	577	1	53
16 to 17 years .....	517	120	23.3	75	45	37.6	397	17	367	2	11
18 to 19 years .....	554	232	42.0	156	76	32.9	321	69	210	-	43
20 to 24 years .....	1,329	762	56.6	636	145	18.6	547	327	147	1	71
25 to 54 years .....	6,736	4,922	73.1	4,454	468	9.5	1,814	1,341	117	125	231
25 to 34 years .....	2,927	2,086	71.3	1,811	274	13.2	841	648	81	38	79
25 to 29 years .....	1,453	1,010	69.5	846	164	16.2	443	339	47	17	40
30 to 34 years .....	1,475	1,076	73.0	965	111	10.3	399	307	34	19	39
35 to 44 years .....	2,317	1,776	76.7	1,639	140	7.8	539	391	34	36	78
35 to 39 years .....	1,280	967	75.5	890	77	8.0	314	217	32	16	49
40 to 44 years .....	1,037	812	78.3	749	63	7.7	225	175	1	20	29
45 to 54 years .....	1,492	1,058	70.9	1,003	54	5.1	434	303	3	54	74
45 to 49 years .....	791	609	77.0	577	32	5.2	182	117	2	21	41
50 to 54 years .....	701	448	64.0	426	22	5.0	252	166	1	32	33
55 to 64 years .....	1,177	540	45.9	527	13	2.4	636	388	1	75	172
55 to 59 years .....	609	344	56.6	336	9	2.6	265	189	-	27	49
60 to 64 years .....	568	196	34.5	192	4	2.2	372	200	1	48	123
65 years and over .....	1,511	147	9.8	144	3	2.3	1,363	604	7	162	570
65 to 69 years .....	516	97	18.9	95	3	2.6	416	201	3	40	174
70 to 74 years .....	354	37	10.5	38	1	( <sup>1</sup> )	317	154	-	37	127
75 years and over .....	641	13	2.0	13	-	( <sup>1</sup> )	628	250	4	106	268

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	January 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	
<b>TOTAL</b>									
16 years and over .....	27,970	17,493	62.5	15,568	189	15,379	1,925	11.0	10,477
16 to 19 years .....	2,701	861	31.9	583	13	569	278	32.3	1,840
16 to 17 years .....	1,354	282	20.8	190	4	186	92	32.8	1,072
18 to 19 years .....	1,346	579	43.0	393	10	384	186	32.1	769
20 to 24 years .....	3,170	2,110	66.6	1,704	17	1,686	407	19.3	1,060
25 to 54 years .....	16,235	12,764	78.6	11,598	113	11,485	1,167	9.1	3,471
25 to 34 years .....	6,939	5,351	77.1	4,726	43	4,683	625	11.7	1,588
25 to 29 years .....	3,425	2,608	76.1	2,256	23	2,233	352	13.5	817
30 to 34 years .....	3,515	2,743	78.1	2,471	20	2,450	273	9.9	771
35 to 44 years .....	5,638	4,593	81.5	4,237	43	4,194	356	7.8	1,045
35 to 39 years .....	3,094	2,531	81.8	2,323	25	2,297	209	8.2	563
40 to 44 years .....	2,544	2,062	81.0	1,914	18	1,897	148	7.2	482
45 to 54 years .....	3,657	2,820	77.1	2,634	27	2,608	186	6.6	837
45 to 49 years .....	1,971	1,812	91.8	1,500	17	1,483	111	8.9	359
50 to 54 years .....	1,686	1,208	71.6	1,134	10	1,124	74	6.1	476
55 to 64 years .....	2,744	1,433	52.2	1,363	37	1,326	70	4.9	1,311
55 to 59 years .....	1,479	914	61.8	866	18	848	48	5.2	565
60 to 64 years .....	1,265	519	41.0	497	19	478	22	4.2	746
65 years and over .....	3,119	324	10.4	320	9	312	4	1.1	2,795
65 to 69 years .....	1,131	188	16.6	185	6	179	3	1.8	943
70 to 74 years .....	822	98	11.9	97	-	98	1	.8	724
75 years and over .....	1,165	38	3.3	39	4	35	-	( <sup>1</sup> )	1,127
<b>Men</b>									
16 years and over .....	12,727	8,865	69.7	7,817	157	7,659	1,049	11.8	3,862
16 to 19 years .....	1,376	439	31.9	292	11	281	148	33.6	937
16 to 17 years .....	702	139	19.8	92	4	88	47	33.6	563
18 to 19 years .....	674	300	44.5	199	7	193	101	33.6	374
20 to 24 years .....	1,493	1,110	74.4	875	16	859	235	21.2	383
25 to 54 years .....	7,386	6,422	86.9	5,802	91	5,711	621	9.7	964
25 to 34 years .....	3,165	2,725	86.1	2,408	36	2,372	318	11.7	440
25 to 29 years .....	1,551	1,324	85.4	1,158	20	1,138	166	12.5	227
30 to 34 years .....	1,614	1,401	86.8	1,250	16	1,234	152	10.8	213
35 to 44 years .....	2,537	2,258	89.0	2,074	36	2,038	184	8.2	279
35 to 39 years .....	1,402	1,277	91.1	1,164	24	1,140	113	8.9	125
40 to 44 years .....	1,136	981	86.4	910	12	898	71	7.2	155
45 to 54 years .....	1,684	1,439	85.4	1,320	18	1,302	119	8.3	245
45 to 49 years .....	911	608	66.7	535	9	526	73	9.0	103
50 to 54 years .....	772	630	81.6	564	10	554	46	7.3	142
55 to 64 years .....	1,207	740	61.4	695	32	663	45	6.1	466
55 to 59 years .....	881	470	53.3	438	16	422	32	6.9	211
60 to 64 years .....	526	270	51.4	257	16	241	13	4.7	256
65 years and over .....	1,265	153	12.1	153	8	145	1	.4	1,112
65 to 69 years .....	482	82	17.0	81	4	77	1	1.3	400
70 to 74 years .....	382	52	13.6	52	-	53	-	( <sup>1</sup> )	330
75 years and over .....	401	19	4.8	20	4	16	-	( <sup>1</sup> )	382
<b>Women</b>									
16 years and over .....	15,243	8,628	56.6	7,751	32	7,719	876	10.2	6,615
16 to 19 years .....	1,325	422	31.8	291	3	288	130	31.0	903
16 to 17 years .....	651	143	21.9	97	-	97	46	32.0	508
18 to 19 years .....	674	279	41.4	194	3	191	85	30.4	395
20 to 24 years .....	1,678	1,000	59.6	828	1	828	172	17.2	877
25 to 54 years .....	8,849	6,342	71.7	5,796	22	5,774	546	8.6	2,507
25 to 34 years .....	3,774	2,626	69.6	2,319	7	2,312	307	11.7	1,149
25 to 29 years .....	1,874	1,284	68.5	1,098	3	1,095	186	14.5	590
30 to 34 years .....	1,900	1,342	70.6	1,221	4	1,217	121	9.0	558
35 to 44 years .....	3,101	2,335	75.3	2,163	7	2,157	172	7.4	766
35 to 39 years .....	1,693	1,254	74.1	1,159	1	1,158	95	7.8	439
40 to 44 years .....	1,409	1,081	76.7	1,004	6	999	77	7.1	328
45 to 54 years .....	1,974	1,381	70.0	1,315	9	1,306	67	4.8	592
45 to 49 years .....	1,059	804	75.9	765	9	756	39	4.8	256
50 to 54 years .....	914	578	63.2	550	-	550	28	4.9	336
55 to 64 years .....	1,537	693	45.1	668	5	663	25	3.6	645
55 to 59 years .....	798	443	55.6	428	2	426	16	3.5	354
60 to 64 years .....	740	249	33.7	240	3	237	9	3.7	490
65 years and over .....	1,854	171	9.2	168	1	167	3	1.8	1,683
65 to 69 years .....	649	106	16.3	104	1	102	2	2.2	544
70 to 74 years .....	440	46	10.4	45	-	45	1	( <sup>1</sup> )	394
75 years and over .....	764	19	2.5	19	-	19	-	( <sup>1</sup> )	746

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
<b>TOTAL</b>								
Civilian noninstitutional population .....	187,293	188,977	82,168	83,271	91,091	92,139	14,034	13,567
Civilian labor force .....	123,293	123,585	63,654	64,089	52,575	52,971	7,063	6,526
Percent of population .....	65.8	65.4	77.5	77.0	57.7	57.5	50.3	48.1
Employed .....	116,037	114,990	60,042	59,687	50,025	50,045	5,970	5,259
Agriculture .....	2,720	2,750	2,040	2,060	513	557	167	132
Nonagricultural industries .....	113,317	112,240	58,002	57,627	49,512	49,487	5,803	5,126
Unemployed .....	7,256	8,595	3,612	4,402	2,550	2,926	1,093	1,267
Unemployment rate .....	5.9	7.0	5.7	6.9	4.9	5.5	15.5	19.4
Not in labor force .....	64,000	65,392	18,514	19,182	38,515	39,168	6,971	7,041
<b>White</b>								
Civilian noninstitutional population .....	159,938	161,007	71,109	71,920	77,526	78,221	11,303	10,866
Civilian labor force .....	105,906	106,092	55,464	55,663	44,379	44,764	6,063	5,665
Percent of population .....	66.2	65.9	78.0	77.4	57.2	57.2	53.6	52.1
Employed .....	100,419	99,422	52,703	52,162	42,504	42,584	5,213	4,676
Agriculture .....	2,512	2,560	1,855	1,913	491	528	166	119
Nonagricultural industries .....	97,907	96,862	50,848	50,249	42,013	42,056	5,046	4,557
Unemployed .....	5,486	8,670	2,761	3,501	1,875	2,180	850	989
Unemployment rate .....	5.2	6.3	5.0	6.3	4.2	4.9	14.0	17.5
Not in labor force .....	54,032	54,915	15,644	16,258	33,147	33,456	5,240	5,201
<b>Black</b>								
Civilian noninstitutional population .....	21,163	21,470	8,426	8,595	10,567	10,752	2,170	2,122
Civilian labor force .....	13,351	13,341	6,152	6,272	6,411	6,391	788	678
Percent of population .....	63.1	62.1	73.0	73.0	60.7	59.4	36.3	31.9
Employed .....	11,821	11,707	5,425	5,512	5,819	5,761	577	434
Agriculture .....	138	112	134	95	5	11	-	7
Nonagricultural industries .....	11,683	11,595	5,291	5,417	5,814	5,750	578	427
Unemployed .....	1,530	1,634	727	760	593	630	210	244
Unemployment rate .....	11.5	12.2	11.8	12.1	9.2	9.9	26.7	36.0
Not in labor force .....	7,811	8,129	2,274	2,323	4,155	4,361	1,383	1,444

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	January 1991									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	15,517	7,293	47.0	6,379	1,430	4,949	914	124	790	12.5
16 to 19 years .....	10,363	4,186	40.4	3,485	339	3,146	701	66	636	16.8
20 to 24 years .....	5,154	3,107	60.3	2,894	1,091	1,803	213	58	154	6.8
High school .....	7,775	2,881	37.1	2,314	141	2,173	567	51	516	19.7
College .....	7,742	4,412	57.0	4,065	1,289	2,776	347	73	274	7.9
Full-time students .....	8,614	3,395	51.3	3,118	633	2,485	277	32	245	8.2
Part-time students .....	1,129	1,017	90.1	947	656	291	70	40	30	8.9
Men, 16 to 24 years .....	7,914	3,631	45.9	3,103	750	2,353	528	66	462	14.5
16 to 19 years .....	5,313	2,103	39.6	1,701	178	1,523	402	25	376	19.1
20 to 24 years .....	2,601	1,528	58.8	1,402	572	830	126	40	86	8.3
High school .....	4,093	1,550	37.9	1,218	80	1,138	331	28	303	21.4
College .....	3,821	2,082	54.5	1,885	670	1,215	197	37	160	9.5
Full-time students .....	3,283	1,581	48.2	1,422	335	1,087	159	13	148	10.1
Part-time students .....	538	500	93.0	463	335	128	37	24	13	7.5
Women, 16 to 24 years .....	7,603	3,661	48.2	3,275	879	2,596	386	58	328	10.5
16 to 19 years .....	5,050	2,083	41.3	1,784	161	1,623	300	40	259	14.4
20 to 24 years .....	2,553	1,578	61.8	1,492	518	973	86	18	66	5.5
High school .....	3,682	1,332	36.2	1,096	60	1,035	236	23	213	17.7
College .....	3,921	2,330	59.4	2,160	619	1,561	150	35	115	6.4
Full-time students .....	3,331	1,813	54.4	1,696	297	1,398	118	19	98	6.5
Part-time students .....	590	517	87.5	464	321	163	33	16	18	6.3
<b>White</b>										
Total, 18 to 24 years .....	12,536	6,350	50.7	5,627	1,240	4,387	723	83	640	11.4
16 to 19 years .....	8,271	3,682	44.5	3,130	308	2,822	552	46	506	15.0
20 to 24 years .....	4,266	2,668	62.5	2,497	932	1,565	171	37	134	6.4
Men .....	6,372	3,149	49.4	2,732	650	2,082	417	44	373	13.2
Women .....	8,164	3,201	51.9	2,895	590	2,305	306	39	267	9.6
High school .....	6,083	2,494	41.0	2,055	111	1,944	439	32	407	17.6
College .....	6,454	3,856	59.8	3,572	1,129	2,443	284	51	233	7.4
Full-time students .....	5,521	3,007	54.5	2,770	561	2,209	237	24	213	7.9
Part-time students .....	933	849	91.0	802	568	234	47	26	20	5.5
<b>Black</b>										
Total, 16 to 24 years .....	2,199	687	31.2	522	133	389	164	37	128	23.9
18 to 19 years .....	1,591	378	23.8	247	17	229	129	17	111	34.3
20 to 24 years .....	608	311	51.1	275	116	159	36	19	16	11.5
Men .....	1,105	332	30.1	245	70	174	88	17	71	26.4
Women .....	1,094	354	32.4	278	63	215	77	19	57	21.6
High school .....	1,312	293	22.3	180	10	170	113	17	96	38.5
College .....	687	394	44.4	342	124	219	52	20	31	13.1
Full-time students .....	732	258	35.3	227	54	173	31	8	23	12.1
Part-time students .....	155	135	87.3	115	69	46	20	12	8	15.0
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,281	506	39.4	436	140	298	67	2	85	13.3
16 to 19 years .....	948	284	29.9	225	33	192	59	2	57	20.8
20 to 24 years .....	334	222	66.5	214	108	106	8	-	8	3.7
Men .....	663	261	39.4	229	78	153	32	-	33	12.3
Women .....	619	244	39.5	209	65	145	35	3	32	14.3
High school .....	826	224	27.1	175	28	147	49	4	45	21.8
College .....	455	282	61.9	263	112	152	18	-	20	6.6
Full-time students .....	350	186	53.6	173	48	126	14	-	16	7.6
Part-time students .....	105	94	89.5	90	64	26	4	-	4	4.5

See footnotes at end of table.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	January 1991									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	15,889	12,802	80.6	10,984	9,288	1,696	1,818	1,666	152	14.2
16 to 19 years .....	3,204	2,340	73.0	1,774	1,257	517	566	489	77	24.2
20 to 24 years .....	12,685	10,462	82.5	9,210	8,031	1,179	1,252	1,177	75	12.0
Less than 4 years of high school .....	3,798	2,356	62.0	1,775	1,432	343	580	542	38	24.6
4 years of high school .....	8,182	6,862	83.9	5,930	4,944	986	932	850	81	13.6
1 to 3 years of college .....	2,546	2,279	89.5	2,075	1,779	296	204	177	28	9.0
4 years of college or more .....	1,364	1,305	95.7	1,204	1,134	70	101	97	5	7.8
<b>Men, 16 to 24 years .....</b>	<b>7,646</b>	<b>6,897</b>	<b>90.2</b>	<b>5,820</b>	<b>5,147</b>	<b>673</b>	<b>1,077</b>	<b>1,034</b>	<b>43</b>	<b>15.6</b>
16 to 19 years .....	1,553	1,271	81.8	984	740	244	286	267	19	22.5
20 to 24 years .....	6,093	5,627	92.3	4,836	4,407	429	791	767	23	14.1
Less than 4 years of high school .....	2,001	1,605	80.2	1,211	1,028	183	395	390	5	24.6
4 years of high school .....	3,940	3,663	93.0	3,144	2,763	381	519	500	20	14.2
1 to 3 years of college .....	1,122	1,060	94.5	949	889	79	112	95	16	10.5
4 years of college or more .....	583	568	97.5	517	487	30	51	50	2	9.0
<b>Women, 16 to 24 years .....</b>	<b>8,244</b>	<b>5,905</b>	<b>71.6</b>	<b>5,164</b>	<b>4,141</b>	<b>1,023</b>	<b>741</b>	<b>632</b>	<b>109</b>	<b>12.5</b>
16 to 19 years .....	1,651	1,069	64.7	790	517	272	279	222	57	26.1
20 to 24 years .....	6,592	4,836	73.4	4,374	3,624	750	461	410	52	9.5
Less than 4 years of high school .....	1,796	750	41.8	565	405	160	186	153	33	24.7
4 years of high school .....	4,242	3,198	75.4	2,786	2,180	606	412	351	61	12.9
1 to 3 years of college .....	1,424	1,219	85.6	1,128	910	217	93	81	11	7.6
4 years of college or more .....	781	737	94.4	887	847	40	50	47	3	6.8
<b>White</b>										
Total, 16 to 24 years .....	12,998	10,774	82.9	9,450	8,051	1,398	1,324	1,226	98	12.3
16 to 19 years .....	2,596	1,983	76.4	1,546	1,120	426	437	388	51	22.1
20 to 24 years .....	10,403	8,790	84.5	7,904	6,931	973	887	840	47	10.1
Men .....	6,319	5,830	92.3	5,024	4,484	541	806	777	29	13.8
Women .....	6,680	4,944	74.0	4,425	3,567	858	519	449	70	10.5
Less than 4 years of high school .....	3,079	2,032	66.0	1,584	1,291	293	448	425	23	22.0
4 years of high school .....	6,546	5,627	86.0	4,972	4,201	771	655	594	61	11.6
1 to 3 years of college .....	2,159	1,941	89.9	1,810	1,540	269	131	119	13	6.8
4 years of college or more .....	1,215	1,174	96.7	1,084	1,018	65	91	89	2	7.7
<b>Black</b>										
Total, 16 to 24 years .....	2,403	1,643	68.4	1,215	955	260	427	382	46	26.0
16 to 19 years .....	532	302	56.9	187	109	79	115	90	25	38.1
20 to 24 years .....	1,871	1,341	71.6	1,028	846	182	312	291	21	23.3
Men .....	1,097	863	78.6	626	507	119	237	223	14	27.5
Women .....	1,305	780	59.8	590	448	142	190	159	31	24.4
Less than 4 years of high school .....	611	262	42.9	146	101	44	116	105	11	44.3
4 years of high school .....	1,396	1,033	74.0	791	599	192	243	222	20	23.5
1 to 3 years of college .....	315	277	87.9	216	193	23	80	48	12	21.7
4 years of college or more .....	81	71	87.8	63	62	1	8	6	3	( <sup>2</sup> )
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,116	1,540	72.8	1,312	1,166	146	228	216	12	14.8
16 to 19 years .....	495	308	62.1	240	198	44	88	65	3	22.1
20 to 24 years .....	1,620	1,232	76.0	1,072	970	103	180	151	8	13.0
Men .....	1,113	987	88.7	848	790	58	139	138	2	14.1
Women .....	1,002	553	55.1	464	376	88	88	78	10	16.0
Less than 4 years of high school .....	1,106	729	66.0	591	528	63	139	133	5	19.0
4 years of high school .....	773	591	76.4	519	459	60	72	89	3	12.1
1 to 3 years of college .....	182	168	92.5	158	136	22	11	8	3	6.2
4 years of college or more .....	55	51	( <sup>2</sup> )	45	42	2	7	6	1	( <sup>2</sup> )

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

<sup>2</sup> Data not shown where base is less than 75,000.

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

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

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Jan. 1990	Jan. 1991	Total		Employed		Unemployed			
			Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Number		Percent of labor force	
							Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,556	7,718	6,876	6,976	6,559	6,599	317	378	4.6	5.4
35 to 49 years .....	6,508	6,493	6,176	6,104	5,895	5,763	281	341	4.6	5.6
35 to 39 years .....	1,557	1,275	1,486	1,192	1,403	1,093	83	99	5.6	8.3
40 to 44 years .....	3,318	3,203	3,160	3,024	3,030	2,858	131	166	4.1	5.5
45 to 49 years .....	1,633	2,015	1,529	1,888	1,461	1,813	68	76	4.4	4.0
50 years and over .....	1,048	1,225	701	872	665	835	36	37	5.1	4.2
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	16,860	17,830	15,776	16,713	15,047	15,751	728	962	4.6	5.8
35 to 39 years .....	7,722	8,171	7,288	7,763	6,965	7,310	323	453	4.4	5.8
40 to 44 years .....	4,982	5,454	4,654	5,084	4,433	4,826	222	257	4.8	5.1
45 to 49 years .....	4,156	4,205	3,834	3,866	3,650	3,615	184	251	4.8	6.5

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

are limited to those 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	January 1991							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules <sup>1</sup>	Part time for economic reasons, usually work full time	Total	Voluntary <sup>1</sup>	Part time for economic reasons, usually work part time		
<b>TOTAL</b>								
Total, 16 years and over .....	95,177	92,719	2,458	19,813	16,607	3,206	7,106	1,489
16 to 19 years .....	1,596	1,480	116	3,662	3,361	302	555	712
16 to 17 years .....	117	107	10	1,751	1,689	61	86	396
18 to 19 years .....	1,479	1,373	106	1,912	1,672	240	469	317
20 years and over .....	93,581	91,239	2,342	16,151	13,246	2,905	6,551	777
20 to 24 years .....	9,122	8,761	381	2,982	2,405	577	1,235	230
25 years and over .....	84,459	82,478	1,981	13,168	10,841	2,328	5,316	547
25 to 54 years .....	73,601	71,913	1,688	9,556	7,613	1,943	4,841	436
55 years and over .....	10,858	10,565	293	3,612	3,227	385	475	112
<b>Men, 16 years and over .....</b>	<b>55,983</b>	<b>54,471</b>	<b>1,513</b>	<b>6,389</b>	<b>5,091</b>	<b>1,297</b>	<b>4,447</b>	<b>643</b>
16 to 19 years .....	918	841	77	1,767	1,614	154	292	396
20 years and over .....	55,065	53,630	1,435	4,621	3,477	1,144	4,155	247
20 to 24 years .....	4,979	4,767	212	1,259	994	264	808	109
25 years and over .....	50,086	48,863	1,223	3,363	2,483	879	3,347	138
25 to 54 years .....	43,307	42,273	1,034	1,942	1,208	734	3,012	90
55 years and over .....	6,779	6,590	189	1,421	1,275	146	335	48
<b>Women, 16 years and over .....</b>	<b>39,193</b>	<b>38,248</b>	<b>945</b>	<b>13,424</b>	<b>11,516</b>	<b>1,909</b>	<b>2,659</b>	<b>846</b>
16 to 19 years .....	678	640	39	1,895	1,747	148	263	317
20 years and over .....	38,515	37,608	907	11,529	9,769	1,761	2,396	530
20 to 24 years .....	4,142	3,993	149	1,724	1,411	313	428	120
25 years and over .....	34,373	33,615	758	9,806	8,357	1,448	1,969	409
25 to 54 years .....	30,295	29,640	654	7,614	6,406	1,209	1,829	346
55 years and over .....	4,078	3,975	103	2,191	1,952	239	140	64
<b>White</b>								
<b>Men, 16 years and over .....</b>	<b>49,068</b>	<b>47,734</b>	<b>1,334</b>	<b>5,487</b>	<b>4,450</b>	<b>1,037</b>	<b>3,516</b>	<b>525</b>
16 to 19 years .....	824	757	67	1,569	1,440	129	228	313
20 years and over .....	48,244	46,977	1,267	3,918	3,010	908	3,289	212
20 to 24 years .....	4,309	4,118	191	1,053	850	203	594	88
25 years and over .....	43,935	42,859	1,075	2,864	2,160	704	2,695	124
25 to 54 years .....	37,867	36,949	918	1,579	996	584	2,401	81
55 years and over .....	6,067	5,910	157	1,285	1,164	120	294	43
<b>Women, 16 years and over .....</b>	<b>32,897</b>	<b>32,091</b>	<b>806</b>	<b>11,970</b>	<b>10,373</b>	<b>1,597</b>	<b>1,951</b>	<b>678</b>
16 to 19 years .....	604	573	31	1,678	1,564	114	205	244
20 years and over .....	32,293	31,518	775	10,292	8,809	1,482	1,746	434
20 to 24 years .....	3,553	3,435	118	1,485	1,213	272	283	93
25 years and over .....	28,739	28,083	657	8,807	7,597	1,211	1,463	341
25 to 54 years .....	25,220	24,656	564	6,893	5,885	1,007	1,345	284
55 years and over .....	3,519	3,426	93	1,915	1,711	203	118	58
<b>Black</b>								
<b>Men, 16 years and over .....</b>	<b>5,045</b>	<b>4,908</b>	<b>138</b>	<b>670</b>	<b>448</b>	<b>222</b>	<b>782</b>	<b>100</b>
16 to 19 years .....	64	55	10	139	120	18	55	67
20 years and over .....	4,981	4,853	128	531	327	204	727	33
20 to 24 years .....	513	498	15	155	101	54	185	17
25 years and over .....	4,468	4,355	113	377	226	150	542	15
25 to 54 years .....	3,928	3,843	85	266	138	129	514	9
55 years and over .....	540	513	27	110	89	22	28	6
<b>Women, 16 years and over .....</b>	<b>4,876</b>	<b>4,760</b>	<b>116</b>	<b>1,116</b>	<b>857</b>	<b>259</b>	<b>600</b>	<b>152</b>
16 to 19 years .....	62	55	7	169	144	25	53	69
20 years and over .....	4,814	4,705	109	947	713	234	547	83
20 to 24 years .....	449	418	31	187	149	37	126	20
25 years and over .....	4,365	4,287	78	760	563	197	421	64
25 to 54 years .....	3,918	3,844	73	536	369	167	411	57
55 years and over .....	447	443	4	224	194	30	10	6

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

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

(Numbers in thousands)

Family relationship	January 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 <sup>1</sup> .....	98,425	65.7	91,629	6,796	6.9	51,367	21,908	8,126	2,634	18,699
Husbands .....	39,718	77.3	37,846	1,872	4.7	11,671	219	184	1,014	10,254
With employed wife .....	26,168	91.5	25,038	1,130	4.3	2,424	91	92	425	1,816
With unemployed wife .....	1,166	91.8	991	175	15.0	105	5	4	20	76
With wife not in labor force .....	12,385	57.5	11,817	567	4.6	9,142	124	87	568	8,363
Wives .....	29,862	58.1	28,592	1,271	4.3	21,527	16,799	359	443	3,926
With employed husband .....	26,029	68.8	25,038	991	3.8	11,817	10,330	291	159	1,038
With unemployed husband .....	1,305	69.7	1,130	175	13.4	567	517	10	11	30
With husband not in labor force .....	2,529	21.7	2,424	105	4.1	9,142	5,953	58	273	2,858
Relatives in married-couple families .....	12,175	60.1	10,626	1,549	12.7	8,082	798	5,347	335	1,601
16 to 19 years .....	4,094	47.0	3,445	649	15.8	4,608	93	4,159	20	336
20 to 24 years .....	4,519	74.2	4,042	476	10.5	1,568	178	1,040	38	311
25 years and over .....	3,563	65.1	3,139	424	11.9	1,906	527	148	277	954
Women who maintain families .....	7,046	61.8	6,405	643	9.1	4,364	2,839	210	276	1,039
Relatives in families maintained by women .....	5,617	58.7	4,606	1,010	18.0	3,950	848	1,853	372	1,077
16 to 19 years .....	1,239	44.2	873	365	29.5	1,564	124	1,264	16	140
20 to 24 years .....	1,546	70.6	1,272	275	17.8	645	168	277	31	169
25 years and over .....	2,831	61.9	2,461	370	13.1	1,741	556	92	325	768
Men who maintain families .....	2,209	76.4	2,012	196	8.9	684	73	49	89	473
Relatives in families maintained by men .....	1,795	62.3	1,542	253	14.1	1,088	332	324	105	327
16 to 19 years .....	307	53.2	219	88	28.8	271	20	227	3	21
20 to 24 years .....	483	73.5	412	70	14.6	175	49	72	4	49
25 years and over .....	1,006	61.0	911	95	9.4	642	263	25	98	257

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
Total, 16 years and over .....	4,242	5,090	6.3	7.5	3,014	3,505	5.4	6.2
Married, spouse present .....	1,749	2,065	4.1	4.9	1,249	1,358	4.0	4.4
Widowed, divorced, or separated .....	541	730	7.8	10.1	624	832	5.6	7.3
Single (never married) .....	1,952	2,295	10.8	12.6	1,140	1,315	8.2	9.5
White, 16 years and over .....	3,244	4,041	5.5	6.9	2,243	2,629	4.7	5.5
Married, spouse present .....	1,429	1,751	3.8	4.7	1,032	1,148	3.8	4.2
Widowed, divorced, or separated .....	407	594	7.1	9.8	445	609	5.0	6.7
Single (never married) .....	1,408	1,696	9.4	11.3	766	873	6.9	7.9
Black, 16 years and over .....	852	882	13.0	13.4	678	752	10.0	11.1
Married, spouse present .....	251	243	7.9	7.7	165	134	6.7	5.6
Widowed, divorced, or separated .....	116	122	12.3	12.3	166	201	8.5	10.3
Single (never married) .....	486	517	19.7	21.0	346	417	14.7	17.5
Total, 25 years and over .....	2,848	3,485	5.0	6.1	2,003	2,378	4.3	5.1
Married, spouse present .....	1,589	1,885	3.9	4.6	1,083	1,171	3.7	4.1
Widowed, divorced, or separated .....	523	698	7.9	9.9	574	754	5.3	6.9
Single (never married) .....	736	902	8.1	9.6	346	453	5.3	6.7
White, 25 years and over .....	2,202	2,819	4.5	5.7	1,488	1,804	3.8	4.6
Married, spouse present .....	1,298	1,601	3.6	4.4	896	989	3.5	3.9
Widowed, divorced, or separated .....	392	570	7.1	9.7	402	559	4.7	6.4
Single (never married) .....	512	648	6.9	8.5	190	257	3.8	5.1
Black, 25 years and over .....	548	557	10.3	10.3	450	485	8.1	8.6
Married, spouse present .....	226	225	7.5	7.5	143	116	6.2	5.2
Widowed, divorced, or separated .....	113	116	12.2	12.0	161	181	8.4	9.5
Single (never married) .....	209	216	15.4	15.3	147	188	10.8	12.9



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
Total, 16 years and over .....	7,256	8,595	5.9	7.0	6.3	7.5	5.4	6.2
Managerial and professional specialty .....	609	858	1.9	2.7	1.8	2.5	2.1	3.0
Executive, administrative, and managerial .....	320	485	2.1	3.2	1.7	2.8	2.7	3.7
Professional specialty .....	289	373	1.8	2.3	2.0	2.1	1.6	2.5
Technical, sales, and administrative support .....	1,696	1,884	4.4	5.0	4.3	4.7	4.5	5.1
Technicians and related support .....	123	138	3.2	3.5	3.7	4.0	2.8	3.0
Sales occupations .....	773	805	5.1	5.4	4.1	4.2	6.2	6.6
Administrative support, including clerical .....	800	942	4.1	4.9	5.1	5.8	3.9	4.7
Service occupations .....	1,058	1,219	6.5	7.2	7.5	7.5	5.8	7.1
Private household .....	53	46	6.4	5.8	( <sup>1</sup> )	( <sup>1</sup> )	6.0	6.0
Protective service .....	76	85	3.8	4.2	3.5	3.9	5.7	6.3
Service, except private household and protective .....	929	1,087	6.9	7.8	8.9	8.7	5.8	7.2
Precision production, craft, and repair .....	939	1,310	6.5	9.1	6.4	9.0	7.6	9.7
Mechanics and repairers .....	153	259	3.4	5.5	3.3	5.5	5.7	6.0
Construction trades .....	542	821	9.8	14.8	9.6	14.7	16.0	21.9
Other precision production, craft, and repair .....	244	229	5.7	5.6	5.3	4.5	6.9	9.2
Operators, fabricators, and laborers .....	2,069	2,330	10.8	12.3	10.5	12.3	11.6	12.1
Machine operators, assemblers, and inspectors .....	893	997	10.3	11.6	9.0	11.2	12.2	12.0
Transportation and material moving occupations .....	480	524	9.4	10.0	9.5	10.4	8.7	5.5
Handlers, equipment cleaners, helpers, and laborers .....	695	810	12.8	15.7	13.2	15.8	10.9	15.4
Construction laborers .....	220	218	24.4	28.5	24.2	28.2	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	475	591	10.5	13.5	10.6	13.1	10.2	14.8
Farming, forestry, and fishing .....	244	325	8.0	10.3	8.0	10.5	8.1	9.0
No previous work experience .....	615	647	-	-	-	-	-	-
16 to 19 years .....	380	434	-	-	-	-	-	-
20 to 24 years .....	123	90	-	-	-	-	-	-
25 years and over .....	111	123	-	-	-	-	-	-

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-13. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
Total, 16 years and over .....	7,256	8,595	5.9	7.0	6.3	7.5	5.4	6.2
Nonagricultural private wage and salary workers .....	5,835	6,870	6.3	7.4	6.8	8.1	5.7	6.6
Mining .....	58	66	7.9	8.5	8.6	9.2	4.2	4.6
Construction .....	833	1,205	13.0	19.7	13.3	20.6	10.1	10.6
Manufacturing .....	1,521	1,701	6.8	7.8	6.3	7.0	8.0	9.5
Durable goods .....	918	1,087	6.9	8.5	6.9	8.0	7.0	9.6
Lumber and wood products .....	59	81	7.6	11.3	8.3	12.8	2.9	1.2
Furniture and fixtures .....	48	67	7.2	10.2	6.8	11.8	8.1	5.6
Stone, clay, and glass products .....	44	81	6.6	13.4	5.5	12.2	10.9	17.1
Primary metal industries .....	40	69	4.6	8.0	4.8	7.3	3.2	11.8
Fabricated metal products .....	100	118	7.4	8.9	6.1	6.7	12.0	9.6
Machinery, except electrical .....	148	163	5.6	6.2	5.9	5.5	4.8	8.4
Electrical machinery, equipment, and supplies .....	102	157	4.7	7.2	4.0	5.4	5.6	9.7
Transportation equipment .....	305	255	11.4	9.8	11.9	9.6	9.6	10.2
Automobiles .....	249	179	21.1	14.7	21.5	15.0	19.5	14.0
Other transportation equipment .....	56	76	3.7	5.4	4.3	5.2	1.8	6.2
Professional and photographic equipment .....	29	39	3.8	5.1	1.7	3.5	6.6	7.5
Other durable goods industries .....	43	57	6.8	11.2	6.9	8.4	6.3	14.0
Nondurable goods .....	603	614	6.7	6.9	5.2	5.2	8.9	9.3
Food and kindred products .....	155	152	8.1	8.0	6.6	5.8	11.0	12.9
Textile mill products .....	66	57	9.3	7.8	8.1	8.5	10.6	6.9
Apparel and other textile products .....	126	141	11.0	12.3	8.9	7.5	11.6	13.8
Paper and allied products .....	23	44	3.1	5.7	2.1	4.1	6.4	10.6
Printing and publishing .....	87	87	4.5	4.8	4.2	4.2	5.0	5.7
Chemicals and allied products .....	46	46	3.4	3.4	1.6	2.9	6.9	4.4
Rubber and miscellaneous plastics products .....	72	60	9.2	8.1	9.2	7.2	9.2	9.9
Other nondurable goods industries .....	27	25	7.5	5.9	5.5	6.0	10.8	6.4
Transportation and public utilities .....	299	333	4.7	5.1	5.0	5.5	4.0	4.3
Transportation .....	244	239	6.3	6.3	6.6	6.8	5.4	4.6
Communications and other public utilities .....	55	94	2.2	3.5	2.1	3.2	2.5	4.0
Wholesale and retail trade .....	1,603	1,799	6.8	7.7	6.5	7.4	7.1	8.0
Wholesale trade .....	215	228	4.9	5.4	4.7	4.9	5.5	6.4
Retail trade .....	1,388	1,571	7.2	8.2	7.1	8.1	7.3	8.2
Finance, insurance, and real estate .....	240	251	3.3	3.4	4.2	3.2	2.8	3.5
Service industries .....	1,282	1,516	4.9	5.7	5.5	6.0	4.6	5.5
Professional services .....	476	522	3.2	3.5	3.0	3.5	3.3	3.4
Other service industries .....	806	994	7.2	8.7	7.4	7.9	7.0	9.5
Agricultural wage and salary workers .....	213	277	13.2	16.9	13.0	18.3	14.3	11.5
Government, self-employed, and unpaid family workers .....	594	801	2.1	2.8	2.2	3.0	1.9	2.5
No previous work experience .....	615	647	-	-	-	-	-	-

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	7,256	8,595	3,612	4,402	2,550	2,926	1,093	1,267	5,486	6,670	1,530	1,634
Job losers .....	3,819	5,000	2,415	3,310	1,127	1,337	277	353	2,933	3,946	768	914
On layoff .....	1,543	1,730	1,017	1,241	458	402	68	87	1,281	1,489	222	192
Other job losers .....	2,276	3,270	1,398	2,069	670	935	209	266	1,652	2,457	547	722
Job leavers .....	1,113	983	468	373	448	437	197	173	844	792	229	146
Reentrants .....	1,772	2,036	663	635	837	1,043	271	357	1,330	1,520	382	427
New entrants .....	552	576	66	83	137	109	348	384	379	413	151	147
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	52.6	58.2	66.9	75.2	44.2	45.7	25.3	27.8	53.5	59.2	50.2	56.0
On layoff .....	21.3	20.1	28.2	28.2	17.9	13.8	6.3	6.8	23.4	22.3	14.5	11.8
Other job losers .....	31.4	38.0	38.7	47.0	26.3	31.9	19.1	21.0	30.1	36.8	35.7	44.2
Job leavers .....	15.3	11.4	13.0	8.5	17.6	14.9	18.0	13.7	15.4	11.9	15.0	8.9
Reentrants .....	24.4	23.7	18.4	14.4	32.8	35.7	24.8	28.2	24.2	22.8	24.9	26.1
New entrants .....	7.6	6.7	1.8	1.9	5.4	3.7	31.9	30.3	6.9	6.2	9.9	9.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.1	4.0	3.8	5.2	2.1	2.5	3.9	5.4	2.8	3.7	5.8	6.9
Job leavers .....	.9	.8	.7	.6	.9	.8	2.8	2.7	.8	.7	1.7	1.1
Reentrants .....	1.4	1.6	1.0	1.0	1.6	2.0	3.8	5.5	1.3	1.4	2.9	3.2
New entrants .....	.4	.5	.1	.1	.3	.2	4.9	5.9	.4	.4	1.1	1.1

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	January 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 .....	8,595	100.0	43.7	33.2	23.1	12.6	10.5
Job losers .....	5,000	100.0	38.6	35.8	25.6	13.2	12.4
On layoff .....	1,730	100.0	52.0	36.5	11.6	6.6	4.9
Other job losers .....	3,270	100.0	31.5	35.5	33.0	16.7	16.3
Job leavers .....	983	100.0	46.0	34.4	19.6	11.7	8.0
Reentrants .....	2,036	100.0	52.1	29.3	18.6	11.3	7.3
New entrants .....	576	100.0	53.8	22.3	23.9	13.8	10.1
Men, 20 years and over .....	4,402	100.0	37.7	35.7	26.7	13.5	13.2
Job losers .....	3,310	100.0	36.0	36.5	27.4	13.2	14.3
On layoff .....	1,241	100.0	49.4	39.7	10.9	5.9	5.0
Other job losers .....	2,069	100.0	28.0	34.7	37.4	17.5	19.9
Job leavers .....	373	100.0	36.8	37.8	25.3	15.9	9.4
Reentrants .....	635	100.0	45.8	32.8	21.4	12.7	8.7
New entrants .....	83	100.0	43.9	13.9	42.2	20.7	21.5
Women, 20 years and over .....	2,926	100.0	46.8	31.4	21.8	12.6	9.1
Job losers .....	1,337	100.0	39.9	34.9	25.2	14.9	10.4
On layoff .....	402	100.0	54.1	30.0	16.0	10.3	5.7
Other job losers .....	935	100.0	33.8	37.0	29.2	16.9	12.4
Job leavers .....	437	100.0	49.3	32.4	18.3	9.3	9.0
Reentrants .....	1,043	100.0	53.3	27.2	19.5	11.5	8.0
New entrants .....	109	100.0	60.3	24.6	15.0	9.7	5.3
Both sexes, 16 to 19 years .....	1,267	100.0	57.3	28.8	13.9	9.6	4.3
Job losers .....	353	100.0	58.2	32.7	9.1	7.1	2.0
On layoff .....	87	100.0	78.8	20.6	.6	.1	.6
Other job losers .....	266	100.0	51.5	36.6	11.9	9.4	2.4
Job leavers .....	173	100.0	57.4	31.9	10.7	8.3	2.4
Reentrants .....	357	100.0	59.9	29.1	11.0	8.5	2.5
New entrants .....	384	100.0	54.1	23.5	22.5	13.5	9.0

**A-16. Unemployed persons by duration of unemployment**

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
	Total, 16 years and over .....	7,256	8,595	100.0	100.0	5,841	7,106	100.0
Less than 5 weeks .....	3,447	3,754	47.5	43.7	2,530	2,845	43.3	40.0
5 to 14 weeks .....	2,294	2,853	31.6	33.2	1,946	2,444	33.3	34.4
5 to 10 weeks .....	1,701	2,091	23.4	24.3	1,427	1,763	24.4	24.8
11 to 14 weeks .....	593	762	8.2	8.9	519	680	8.9	9.6
15 weeks and over .....	1,514	1,988	20.9	23.1	1,365	1,817	23.4	25.6
15 to 26 weeks .....	833	1,085	11.5	12.6	733	974	12.5	13.7
27 weeks and over .....	682	903	9.4	10.5	632	842	10.8	11.9
27 to 51 weeks .....	288	446	4.0	5.2	260	413	4.4	5.8
52 weeks and over .....	394	456	5.4	5.3	373	429	6.4	6.0
Average (mean) duration, in weeks .....	11.7	12.2	-	-	13.0	13.2	-	-
Median duration, in weeks .....	5.1	5.9	-	-	6.0	6.8	-	-

**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	
								Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
	January 1991										
<b>Total, 16 years and over</b> .....	8,595	3,754	2,853	1,085	903	12.2	5.9	47.5	43.7	20.9	23.1
16 to 19 years .....	1,267	726	364	122	55	7.8	3.9	57.9	57.3	10.9	13.9
20 to 24 years .....	1,465	727	501	136	100	9.4	4.6	58.4	49.6	13.3	16.2
25 to 34 years .....	2,521	1,108	844	331	238	12.0	6.1	45.1	43.9	22.9	22.6
35 to 44 years .....	1,767	677	590	255	244	14.0	7.6	39.3	38.3	25.3	28.3
45 to 54 years .....	989	318	343	165	163	16.2	8.3	40.5	32.1	27.7	33.2
55 to 64 years .....	481	157	170	68	86	18.1	8.2	42.3	32.6	29.3	32.0
65 years and over .....	105	42	40	8	15	14.7	6.8	35.0	40.2	29.2	22.0
<b>Men, 16 years and over</b> .....	5,090	2,027	1,778	672	613	13.5	6.7	43.0	39.8	23.3	25.2
16 to 19 years .....	688	370	207	79	32	8.2	4.2	54.6	53.7	9.8	16.1
20 to 24 years .....	917	430	305	99	82	10.7	5.2	50.0	46.9	17.4	19.8
25 to 34 years .....	1,472	588	544	197	143	12.5	6.8	40.3	40.0	26.4	23.1
35 to 44 years .....	1,019	343	357	161	158	15.8	8.5	35.7	33.7	25.4	31.3
45 to 54 years .....	612	177	215	97	123	18.6	9.1	39.6	29.0	29.3	35.9
55 to 64 years .....	330	96	130	36	67	19.0	8.5	39.8	29.2	35.1	31.3
65 years and over .....	53	23	20	3	9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Women, 16 years and over</b> .....	3,505	1,727	1,075	413	290	10.4	4.7	53.9	49.3	17.4	20.1
16 to 19 years .....	579	357	157	43	23	7.2	3.7	62.3	61.6	12.4	11.3
20 to 24 years .....	548	297	196	37	18	7.1	4.2	70.2	54.1	7.5	10.1
25 to 34 years .....	1,050	520	301	134	96	11.3	4.7	51.9	49.5	18.1	21.9
35 to 44 years .....	748	334	233	94	87	11.5	6.1	44.1	44.7	25.3	24.2
45 to 54 years .....	378	141	129	68	40	12.5	6.6	41.9	37.2	25.3	28.7
55 to 64 years .....	151	60	40	31	19	16.2	7.6	47.0	39.8	18.0	33.5
65 years and over .....	52	20	20	5	7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>White, 16 years and over</b> .....	6,670	3,044	2,257	775	595	11.2	5.4	48.6	45.6	20.0	20.5
Men .....	4,041	1,683	1,451	486	421	12.4	6.2	44.3	41.6	21.9	22.4
Women .....	2,629	1,361	806	289	174	9.4	4.3	54.7	51.8	17.3	17.6
<b>Black, 16 years and over</b> .....	1,634	608	468	281	277	18.4	8.5	44.3	37.2	24.5	34.2
Men .....	882	292	243	173	175	18.8	9.7	38.3	33.1	29.5	39.4
Women .....	752	316	225	108	102	13.7	6.9	51.9	42.1	18.2	28.0
<b>Men, 16 years and over:</b>											
Married, spouse present .....	2,065	757	767	279	262	14.2	7.4	41.0	36.7	23.9	26.2
Widowed, divorced, or separated .....	730	244	263	103	120	15.6	8.0	32.2	33.4	27.9	30.5
Single (never married) .....	2,295	1,026	748	290	231	12.1	5.7	47.7	44.7	21.5	22.7
<b>Women, 16 years and over:</b>											
Married, spouse present .....	1,358	669	414	155	120	10.6	4.7	52.2	49.3	19.5	20.3
Widowed, divorced, or separated .....	832	347	261	136	88	12.5	6.7	46.2	41.7	20.0	26.9
Single (never married) .....	1,315	712	400	121	82	8.8	4.2	60.1	54.1	13.9	15.4

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	January 1991							Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
<b>OCCUPATION</b>											
Managerial and professional specialty .....	858	337	275	123	124	14.1	6.8	37.4	39.3	29.7	28.8
Technical, sales, and administrative support .....	1,884	866	642	212	163	10.7	5.4	52.4	46.0	20.0	19.9
Service occupations .....	1,219	568	332	206	114	12.1	5.4	50.1	46.6	19.4	26.2
Precision production, craft, and repair .....	1,310	559	460	163	129	12.1	6.1	43.0	42.7	19.5	22.3
Operators, fabricators, and laborers .....	2,330	955	822	272	281	13.3	6.5	46.5	41.0	21.7	23.8
Farming, forestry, and fishing .....	325	118	154	26	27	11.3	6.6	47.5	36.3	14.8	16.3
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	277	99	138	15	24	10.8	6.8	46.0	35.7	14.6	14.1
Construction .....	1,227	523	482	139	83	10.4	6.0	41.5	42.6	18.2	18.1
Manufacturing .....	1,713	677	568	230	238	13.8	7.0	45.1	39.5	26.6	27.3
Durable goods .....	1,094	413	394	143	144	13.5	7.2	48.7	37.8	26.6	26.3
Nondurable goods .....	619	264	174	87	94	14.3	6.3	39.7	42.6	26.5	29.1
Transportation and public utilities .....	380	147	145	39	48	15.6	6.7	53.0	38.7	21.2	23.2
Wholesale and retail trade .....	1,805	894	534	205	172	11.0	4.6	52.8	49.5	18.6	20.9
Finance and service industries .....	2,012	858	636	314	204	12.6	6.3	47.6	42.6	20.4	25.7
Public administration .....	175	42	63	32	37	18.4	10.1	36.8	24.0	28.9	40.0
No previous work experience .....	647	344	158	80	65	11.2	4.2	50.6	53.2	18.9	22.4

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

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

Sex, age, and race	January 1991								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	8,595	6,762	24.8	8.8	70.6	41.2	20.4	5.6	1.71
16 to 19 years .....	1,267	1,169	13.4	3.1	81.5	30.1	15.8	3.1	1.47
20 to 24 years .....	1,465	1,232	24.4	9.3	71.4	39.6	21.3	3.1	1.69
25 to 34 years .....	2,521	1,899	29.4	9.6	65.9	42.8	18.3	6.8	1.73
35 to 44 years .....	1,767	1,318	30.0	11.3	70.6	48.2	21.7	5.8	1.88
45 to 54 years .....	989	722	26.4	9.9	66.5	47.8	28.8	5.5	1.85
55 to 64 years .....	481	351	19.1	10.6	66.6	35.3	22.4	14.4	1.68
65 years and over .....	105	71	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Men, 16 years and over .....	5,090	3,740	27.0	8.0	71.7	38.7	24.0	6.9	1.76
16 to 19 years .....	688	632	15.5	3.2	79.8	30.2	18.4	3.5	1.51
20 to 24 years .....	917	727	25.2	8.3	74.4	37.8	25.3	2.5	1.73
25 to 34 years .....	1,472	998	32.3	9.2	65.6	39.5	22.1	8.3	1.77
35 to 44 years .....	1,019	698	33.6	9.3	74.9	43.4	26.1	8.1	1.95
45 to 54 years .....	612	422	28.1	8.0	67.9	43.1	31.1	8.3	1.87
55 to 64 years .....	330	229	22.0	11.0	66.2	38.4	23.1	18.7	1.79
65 years and over .....	53	35	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,505	3,022	22.1	9.9	69.1	44.2	16.0	3.9	1.65
16 to 19 years .....	579	538	10.8	2.9	83.6	29.9	12.7	2.7	1.43
20 to 24 years .....	548	505	23.3	10.9	67.0	42.1	15.7	3.9	1.63
25 to 34 years .....	1,050	901	26.2	10.0	66.3	46.5	14.2	5.1	1.68
35 to 44 years .....	748	620	25.9	13.6	65.8	53.5	16.6	3.3	1.79
45 to 54 years .....	378	300	24.2	12.5	64.4	54.4	25.7	1.7	1.83
55 to 64 years .....	151	122	13.6	9.8	67.4	29.3	21.2	6.4	1.48
65 years and over .....	52	36	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,670	5,087	23.1	9.2	71.3	42.0	21.4	6.4	1.73
Men .....	4,041	2,864	25.2	8.4	73.1	39.4	24.4	7.9	1.78
Women .....	2,629	2,223	20.3	10.3	68.9	45.4	17.5	4.5	1.67
Black, 16 years and over .....	1,634	1,439	31.7	7.6	68.8	38.4	17.4	2.8	1.67
Men .....	882	749	34.7	6.3	66.6	35.9	22.9	3.4	1.70
Women .....	752	690	28.5	9.1	71.2	41.1	11.4	2.2	1.63

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

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

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

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

Sex and reason	January 1991								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	8,595	6,762	24.8	8.8	70.6	41.2	20.4	5.6	1.71
Job losers <sup>1</sup> .....	5,000	3,227	32.3	9.9	70.6	44.3	23.4	5.9	1.86
Job leavers .....	983	959	21.7	8.9	71.7	45.7	17.2	2.8	1.68
Reentrants .....	2,036	2,004	18.1	8.8	68.5	37.4	19.0	7.1	1.59
New entrants .....	576	572	11.1	3.1	75.5	29.2	14.7	2.8	1.36
Men, 16 years and over .....	5,090	3,740	27.0	8.0	71.7	38.7	24.0	6.9	1.76
Job losers <sup>1</sup> .....	3,518	2,195	33.1	8.7	71.7	41.0	25.5	6.9	1.87
Job leavers .....	456	444	21.1	7.9	74.6	39.5	21.2	4.6	1.69
Reentrants .....	848	835	19.2	7.9	69.6	33.2	24.2	9.2	1.63
New entrants .....	267	266	10.1	2.5	73.6	35.2	15.8	3.9	1.41
Women, 16 years and over .....	3,505	3,022	22.1	9.9	69.1	44.2	16.0	3.9	1.65
Job losers <sup>1</sup> .....	1,482	1,032	30.4	12.4	68.3	51.2	18.7	3.8	1.85
Job leavers .....	527	514	22.3	9.7	69.1	51.0	13.7	1.2	1.67
Reentrants .....	1,188	1,170	17.3	9.4	67.7	40.4	15.2	5.7	1.56
New entrants .....	309	306	12.0	3.6	77.3	23.9	13.7	1.9	1.32

<sup>1</sup> Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
All industries .....	116,037	114,990	63,079	62,372	52,958	52,618
16 to 19 years .....	5,970	5,259	3,037	2,685	2,933	2,573
16 to 17 years .....	2,153	1,868	1,070	976	1,083	892
18 to 19 years .....	3,817	3,391	1,967	1,709	1,850	1,681
20 to 24 years .....	12,238	12,104	6,356	6,238	5,882	5,866
25 to 54 years .....	83,139	83,157	45,314	45,248	37,825	37,909
25 to 34 years .....	33,873	32,755	18,609	18,025	15,264	14,729
35 to 44 years .....	29,907	30,677	16,155	16,570	13,752	14,107
45 to 54 years .....	19,359	19,725	10,550	10,653	8,809	9,072
55 to 64 years .....	11,373	11,276	6,422	6,399	4,951	4,878
55 to 59 years .....	6,754	6,815	3,805	3,860	2,950	2,954
60 to 64 years .....	4,619	4,462	2,617	2,538	2,002	1,923
65 years and over .....	3,316	3,194	1,950	1,802	1,366	1,392
Agriculture .....	2,720	2,750	2,182	2,173	538	577
16 to 19 years .....	167	132	142	113	25	20
16 to 17 years .....	73	40	61	34	12	7
18 to 19 years .....	93	92	81	79	12	13
20 to 24 years .....	224	259	182	209	42	49
25 to 54 years .....	1,709	1,755	1,351	1,356	358	399
25 to 34 years .....	753	741	600	591	153	150
35 to 44 years .....	572	608	452	456	120	152
45 to 54 years .....	385	406	300	310	85	96
55 to 64 years .....	363	394	287	306	75	87
55 to 59 years .....	163	204	125	157	38	47
60 to 64 years .....	200	190	162	149	37	41
65 years and over .....	257	210	219	188	38	22
Nonagricultural industries .....	113,317	112,240	80,897	80,199	52,420	52,041
16 to 19 years .....	5,803	5,126	2,895	2,573	2,908	2,554
16 to 17 years .....	2,080	1,828	1,009	942	1,071	885
18 to 19 years .....	3,724	3,299	1,886	1,630	1,837	1,668
20 to 24 years .....	12,015	11,845	6,174	6,029	5,840	5,817
25 to 54 years .....	81,430	81,402	43,963	43,892	37,467	37,510
25 to 34 years .....	33,120	32,013	18,009	17,435	15,111	14,579
35 to 44 years .....	29,336	30,069	15,704	16,114	13,632	13,955
45 to 54 years .....	18,974	19,319	10,250	10,343	8,724	8,976
55 to 64 years .....	11,010	10,883	6,134	6,092	4,876	4,790
55 to 59 years .....	6,591	6,611	3,679	3,703	2,912	2,908
60 to 64 years .....	4,419	4,272	2,455	2,389	1,964	1,882
65 years and over .....	3,059	2,984	1,731	1,613	1,328	1,370



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
Total .....	116,037	114,990	63,079	62,372	60,042	59,687	52,958	52,618	50,025	50,045
Managerial and professional specialty .....	30,824	30,736	16,729	16,460	16,650	16,379	14,095	14,275	13,985	14,181
Executive, administrative, and managerial .....	14,972	14,772	9,060	8,711	9,028	8,684	5,911	6,061	5,872	6,030
Officials and administrators, public administration .....	569	575	358	299	358	299	211	276	211	276
Other executive, administrative, and managerial .....	10,352	10,260	6,650	6,473	6,624	6,451	3,703	3,786	3,673	3,762
Management-related occupations .....	4,050	3,938	2,053	1,939	2,047	1,934	1,998	1,999	1,988	1,991
Professional specialty .....	15,852	15,964	7,669	7,750	7,622	7,696	8,184	8,214	8,113	8,151
Engineers .....	1,787	1,821	1,654	1,674	1,650	1,674	133	146	131	146
Mathematical and computer scientists .....	893	951	588	581	587	579	305	370	305	371
Natural scientists .....	432	443	289	318	289	318	143	125	143	125
Health diagnosing occupations .....	834	823	665	680	664	678	169	143	169	143
Health assessment and treating occupations .....	2,246	2,312	296	321	297	319	1,949	1,991	1,939	1,988
Teachers, college and university .....	802	762	498	467	497	465	303	295	298	288
Teachers, except college and university .....	4,186	4,177	1,140	1,132	1,129	1,127	3,046	3,045	3,019	3,012
Lawyers and judges .....	733	723	565	584	565	584	168	139	168	139
Other professional specialty occupations .....	3,940	3,952	1,974	1,992	1,943	1,951	1,966	1,960	1,941	1,939
Technical, sales, and administrative support .....	36,512	36,033	12,871	12,792	12,190	12,190	23,640	23,242	21,956	21,804
Technicians and related support .....	3,665	3,758	1,839	1,901	1,810	1,870	1,826	1,857	1,794	1,829
Health technologists and technicians .....	1,232	1,356	193	236	192	229	1,039	1,120	1,022	1,108
Engineering and science technicians .....	1,117	1,146	877	908	856	884	239	238	230	226
Technicians, except health, engineering, and science .....	1,317	1,257	769	757	762	756	548	499	541	495
Sales occupations .....	14,293	13,995	7,259	7,138	6,850	6,783	7,034	6,857	5,997	5,973
Supervisors and proprietors .....	3,840	3,768	2,496	2,419	2,475	2,400	1,344	1,349	1,316	1,322
Sales representatives, finance and business services .....	2,435	2,307	1,366	1,301	1,349	1,291	1,068	1,006	1,041	984
Sales representatives, commodities, except retail .....	1,681	1,634	1,337	1,278	1,316	1,268	344	356	333	354
Sales workers, retail and personal services .....	6,279	6,219	2,043	2,112	1,693	1,794	4,236	4,108	3,265	3,274
Sales-related occupations .....	57	67	17	29	17	30	40	38	41	38
Administrative support, including clerical .....	18,554	18,280	3,773	3,752	3,530	3,536	14,780	14,528	14,166	14,002
Supervisors .....	719	788	302	322	301	320	417	466	416	465
Computer equipment operators .....	863	746	312	217	306	200	551	529	534	506
Secretaries, stenographers, and typists .....	4,838	4,335	82	79	80	74	4,756	4,256	4,613	4,142
Financial records processing .....	2,405	2,505	211	204	208	197	2,194	2,301	2,150	2,262
Mail and message distributing .....	1,001	985	650	614	625	597	351	371	334	358
Other administrative support, including clerical .....	8,729	8,922	2,217	2,316	2,009	2,148	6,512	6,605	6,120	6,268
Service occupations .....	15,313	15,604	5,990	6,354	5,188	5,519	9,323	9,250	8,422	8,423
Private household .....	782	740	22	14	13	11	760	727	657	639
Protective service .....	1,937	1,933	1,668	1,694	1,640	1,656	268	238	258	229
Service, except private household and protective .....	12,594	12,931	4,300	4,646	3,534	3,851	8,294	8,285	7,507	7,554
Food service .....	5,165	5,274	1,991	2,195	1,413	1,574	3,079	2,657	2,573	2,573
Health service .....	2,033	2,089	204	204	196	186	1,829	1,885	1,744	1,815
Cleaning and building service .....	3,084	3,165	1,691	1,808	1,558	1,696	1,393	1,357	1,328	1,320
Personal service .....	2,312	2,403	414	440	367	395	1,898	1,963	1,778	1,846
Precision production, craft, and repair .....	13,462	13,091	12,305	11,991	12,036	11,792	1,157	1,100	1,124	1,076
Mechanics and repairers .....	4,419	4,466	4,292	4,290	4,218	4,219	127	176	125	176
Construction trades .....	5,009	4,737	4,905	4,663	4,770	4,572	104	74	104	70
Other precision production, craft, and repair .....	4,034	3,888	3,108	3,039	3,048	3,001	927	849	894	831
Operators, fabricators, and laborers .....	17,123	16,683	12,812	12,388	11,761	11,576	4,311	4,295	4,134	4,121
Machine operators, assemblers, and inspectors .....	7,796	7,619	4,754	4,557	4,579	4,455	3,042	3,062	2,959	2,966
Manufacturing industries .....	6,416	6,259	3,916	3,757	3,768	3,681	2,500	2,502	2,440	2,442
Durable goods .....	3,622	3,363	2,551	2,317	2,472	2,268	1,071	1,046	1,052	1,023
Nondurable goods .....	2,794	2,895	1,365	1,440	1,296	1,413	1,429	1,456	1,388	1,419
Nonmanufacturing industries .....	1,380	1,360	839	800	811	774	542	560	519	524
Transportation and material moving occupations .....	4,609	4,723	4,169	4,292	4,038	4,185	440	431	426	423
Motor vehicle operators .....	3,417	3,520	3,021	3,132	2,909	3,043	396	388	381	380
Other transportation and material moving occupations .....	1,192	1,203	1,148	1,160	1,129	1,142	44	43	44	43
Handlers, equipment cleaners, helpers, and laborers .....	4,718	4,341	3,889	3,539	3,144	2,937	830	801	749	731
Construction laborers .....	681	548	659	534	581	490	22	14	19	14
Other handlers, equipment cleaners, helpers, and laborers .....	4,037	3,793	3,230	3,005	2,563	2,446	807	788	729	718
Farming, forestry, and fishing .....	2,803	2,842	2,372	2,386	2,216	2,230	432	456	405	439
Farm operators and managers .....	1,157	1,150	979	963	967	959	178	188	178	185
Other farming, forestry, and fishing occupations .....	1,646	1,692	1,393	1,423	1,250	1,271	253	268	226	254

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	116,037	114,990	63,079	62,372	52,958	52,618
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	26.6	26.7	26.5	26.4	26.6	27.1
Executive, administrative, and managerial .....	12.9	12.8	14.4	14.0	11.2	11.5
Professional specialty .....	13.7	13.9	12.2	12.4	15.5	15.6
Technical, sales, and administrative support .....	31.5	31.3	20.4	20.5	44.6	44.2
Technicians and related support .....	3.2	3.3	2.9	3.0	3.4	3.5
Sales occupations .....	12.3	12.2	11.5	11.4	13.3	13.0
Administrative support, including clerical .....	16.0	15.9	6.0	6.0	27.9	27.6
Service occupations .....	13.2	13.6	9.5	10.2	17.6	17.6
Private household .....	.7	.6	-	-	1.4	1.4
Protective service .....	1.7	1.7	2.6	2.7	.5	.5
Service, except private household and protective .....	10.9	11.2	6.8	7.4	15.7	15.7
Precision production, craft, and repair .....	11.6	11.4	19.5	19.2	2.2	2.1
Operators, fabricators, and laborers .....	14.8	14.5	20.3	19.9	8.1	8.2
Machine operators, assemblers, and inspectors .....	6.7	6.6	7.5	7.3	5.7	5.8
Transportation and material moving occupations .....	4.0	4.1	6.6	6.9	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	4.1	3.8	6.2	5.7	1.6	1.5
Farming, forestry, and fishing .....	2.4	2.5	3.8	3.8	.8	.9
<b>White</b>						
Total, 16 years and over (thousands) .....	100,419	99,422	55,362	54,556	45,057	44,867
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	27.6	27.8	27.6	27.5	27.7	28.2
Executive, administrative, and managerial .....	13.6	13.5	15.1	14.7	11.6	12.0
Professional specialty .....	14.1	14.3	12.5	12.9	16.1	16.2
Technical, sales, and administrative support .....	31.8	31.7	20.7	20.7	45.5	45.0
Technicians and related support .....	3.1	3.3	2.9	3.1	3.4	3.5
Sales occupations .....	12.9	12.7	12.2	12.0	13.8	13.5
Administrative support, including clerical .....	15.8	15.7	5.7	5.6	28.3	27.9
Service occupations .....	12.0	12.3	8.5	9.1	16.2	16.3
Private household .....	.6	.6	-	-	1.3	1.2
Protective service .....	1.6	1.6	2.5	2.6	.5	.4
Service, except private household and protective .....	9.8	10.2	6.0	6.5	14.5	14.7
Precision production, craft, and repair .....	12.0	11.8	20.1	19.8	2.1	2.0
Operators, fabricators, and laborers .....	14.0	13.8	19.2	18.9	7.6	7.6
Machine operators, assemblers, and inspectors .....	6.5	6.3	7.3	7.0	5.4	5.4
Transportation and material moving occupations .....	3.8	3.9	6.2	6.5	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.8	3.6	5.7	5.3	1.4	1.4
Farming, forestry, and fishing .....	2.5	2.6	3.8	4.0	.9	1.0
<b>Black</b>						
Total, 16 years and over (thousands) .....	11,821	11,707	5,714	5,715	6,107	5,992
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	16.3	16.8	14.1	14.0	18.3	19.5
Executive, administrative, and managerial .....	7.4	7.6	7.0	7.8	7.8	7.7
Professional specialty .....	8.8	9.2	7.1	6.4	10.5	11.7
Technical, sales, and administrative support .....	28.4	29.2	16.7	18.1	39.5	39.7
Technicians and related support .....	2.8	2.9	2.2	2.5	3.4	3.2
Sales occupations .....	7.5	8.0	5.7	6.4	9.2	9.4
Administrative support, including clerical .....	18.1	18.3	8.8	9.2	26.9	27.1
Service occupations .....	23.0	23.0	17.7	19.3	27.9	26.6
Private household .....	1.6	1.4	.1	-	3.0	2.7
Protective service .....	2.5	2.7	4.1	4.4	1.0	1.1
Service, except private household and protective .....	18.9	18.9	13.6	14.8	23.9	22.9
Precision production, craft, and repair .....	9.0	8.5	15.9	15.1	2.5	2.1
Operators, fabricators, and laborers .....	21.6	21.3	32.2	31.2	11.6	11.9
Machine operators, assemblers, and inspectors .....	8.7	9.4	9.6	10.2	7.8	8.7
Transportation and material moving occupations .....	6.1	6.0	11.3	11.1	1.2	1.2
Handlers, equipment cleaners, helpers, and laborers .....	6.9	5.9	11.3	9.9	2.7	2.0
Farming, forestry, and fishing .....	1.7	1.2	3.3	2.2	.1	.2

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

(In thousands)

Age and sex	January 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 .....	103,415	914	17,839	84,662	8,607	218	1,361	1,283	105
16 to 19 years .....	5,083	108	263	4,712	35	8	108	13	12
16 to 17 years .....	1,807	75	68	1,664	18	3	32	2	6
18 to 19 years .....	3,276	33	196	3,047	17	5	76	11	6
20 to 24 years .....	11,560	111	1,091	10,358	267	19	202	49	8
25 to 34 years .....	30,079	169	4,273	25,637	1,911	24	469	242	29
35 to 44 years .....	27,451	180	5,778	21,494	2,562	56	284	305	18
45 to 54 years .....	17,332	135	3,883	13,314	1,933	54	150	241	16
55 to 64 years .....	9,537	122	2,100	7,316	1,311	35	113	271	10
55 to 59 years .....	5,870	59	1,401	4,410	725	15	68	130	5
60 to 64 years .....	3,667	62	699	2,906	585	19	45	141	4
65 years and over .....	2,372	90	451	1,831	588	23	35	162	13
Men, 16 years and over .....	54,707	95	8,271	46,342	5,449	43	1,059	1,070	43
16 to 19 years .....	2,556	18	120	2,418	11	6	90	12	11
16 to 17 years .....	935	12	35	888	6	2	26	2	6
18 to 19 years .....	1,622	6	85	1,531	5	4	63	10	6
20 to 24 years .....	5,850	18	487	5,345	163	15	168	38	3
25 to 34 years .....	16,256	21	2,000	14,235	1,177	1	364	208	20
35 to 44 years .....	14,467	16	2,589	11,862	1,645	2	207	249	-
45 to 54 years .....	9,148	7	1,823	7,318	1,196	-	117	188	5
55 to 64 years .....	5,227	7	1,031	4,190	860	5	86	221	-
55 to 59 years .....	3,224	1	691	2,531	474	6	53	104	-
60 to 64 years .....	2,004	6	340	1,658	386	-	33	117	-
65 years and over .....	1,203	7	221	974	397	14	28	155	5
Women, 16 years and over .....	48,708	820	9,569	38,320	3,158	175	302	213	62
16 to 19 years .....	2,527	90	144	2,293	24	2	18	1	1
16 to 17 years .....	872	63	33	776	12	1	6	-	1
18 to 19 years .....	1,654	27	110	1,517	12	2	12	1	-
20 to 24 years .....	5,710	92	604	5,013	104	3	34	11	4
25 to 34 years .....	13,823	147	2,273	11,403	734	22	106	35	10
35 to 44 years .....	12,984	164	3,189	9,632	916	54	78	56	19
45 to 54 years .....	8,184	128	2,060	5,996	738	54	32	53	11
55 to 64 years .....	4,310	115	1,069	3,126	451	30	27	50	10
55 to 59 years .....	2,647	58	710	1,878	251	10	15	26	5
60 to 64 years .....	1,663	57	359	1,247	199	20	12	24	5
65 years and over .....	1,170	83	230	857	192	9	7	8	7

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	January 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 <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	2,750	111	85	18	9	96	-	14	52	6	23	17	2,318
Mining .....	742	104	81	31	9	82	-	13	244	19	123	34	2
Construction .....	6,740	921	136	74	72	407	-	38	3,863	116	477	623	14
Manufacturing .....	20,628	2,625	1,811	680	799	2,313	-	385	3,863	6,259	741	1,065	86
Durable goods .....	12,130	1,549	1,259	474	325	1,274	-	212	2,706	3,363	381	515	72
Nondurable goods .....	8,499	1,076	553	207	475	1,039	-	173	1,158	2,895	359	550	15
Transportation and public utilities .....	8,232	992	448	318	312	2,185	-	261	1,323	119	1,843	423	6
Wholesale and retail trade .....	23,619	2,005	422	131	9,912	2,402	-	4,320	1,440	303	920	1,738	24
Wholesale trade .....	4,358	507	51	21	1,799	732	-	41	324	124	399	349	10
Retail trade .....	19,261	1,498	371	110	8,114	1,669	-	4,279	1,116	179	521	1,388	14
Finance, insurance, and real estate .....	7,937	2,030	258	140	1,857	3,087	-	298	149	21	19	19	58
Services .....	38,885	4,759	11,940	2,121	992	6,224	740	8,208	1,947	747	528	377	301
Private households .....	926	2	9	6	-	10	740	79	17	3	4	28	29
Other service industries .....	37,959	4,757	11,931	2,116	993	6,215	-	8,129	1,930	744	524	349	272
Professional services .....	25,478	2,721	10,579	1,710	197	4,601	-	4,570	422	220	302	84	72
Public administration .....	5,456	1,225	781	244	32	1,483	-	1,327	210	29	49	44	32

<sup>1</sup> Includes protective service, not shown separately.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Jan. 1990	Jan. 1991	Total		Wage and salary workers <sup>1</sup>			
			Jan. 1990	Jan. 1991	Paid absences		Unpaid absences	
					Jan. 1990	Jan. 1991	Jan. 1990	Jan. 1991
Total, 16 years and over .....	4,929	4,658	4,770	4,482	1,763	1,627	2,295	2,127
Vacation .....	1,722	1,566	1,680	1,528	855	818	594	543
Illness .....	1,682	1,411	1,646	1,364	626	556	868	670
Bad weather .....	217	452	178	406	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	32	24	32	24	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,276	1,205	1,234	1,160	281	254	834	914
Men, 16 years and over .....	2,508	2,504	2,373	2,349	912	923	1,078	965
Vacation .....	914	867	883	837	493	533	281	209
Illness .....	852	720	823	677	306	292	434	306
All other reasons <sup>3</sup> .....	742	918	668	836	113	97	362	450
Women, 16 years and over .....	2,421	2,154	2,396	2,132	852	706	1,219	1,164
Vacation .....	807	699	797	691	361	285	313	336
Illness .....	830	691	823	687	321	264	435	365
All other reasons <sup>3</sup> .....	783	764	775	754	169	157	472	464

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

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

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

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

Hours of work	January 1991					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	110,332	2,574	107,759	100.0	100.0	100.0
1 to 34 hours .....	26,386	890	25,495	23.9	34.6	23.7
1 to 4 hours .....	770	50	720	.7	1.9	.7
5 to 14 hours .....	4,627	202	4,425	4.2	7.9	4.1
15 to 29 hours .....	13,387	432	12,955	12.1	16.8	12.0
30 to 34 hours .....	7,602	206	7,396	6.9	8.0	6.9
35 hours and over .....	83,946	1,683	82,263	76.1	65.4	76.3
35 to 39 hours .....	7,472	120	7,352	6.8	4.7	6.8
40 hours .....	45,500	542	44,958	41.2	21.1	41.7
41 hours and over .....	30,974	1,021	29,953	28.1	39.7	27.8
41 to 48 hours .....	10,967	178	10,789	9.9	6.9	10.0
49 to 59 hours .....	11,853	370	11,483	10.7	14.4	10.7
60 hours and over .....	8,154	473	7,681	7.4	18.4	7.1
Average hours, total at work .....	39.0	40.1	38.9	-	-	-
Average hours, workers on full-time schedules .....	43.3	47.0	43.2	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	January 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 .....	26,386	8,065	18,321	25,495	7,612	17,883
Economic reasons .....	5,664	2,458	3,206	5,364	2,275	3,090
Slack work .....	3,347	2,202	1,145	3,104	2,029	1,075
Material shortages or repairs to plant and equipment .....	37	37	-	36	36	-
New job started during week .....	145	145	-	137	137	-
Job terminated during week .....	73	73	-	73	73	-
Could find only part-time work .....	2,061	-	2,061	2,014	-	2,014
Other reasons .....	20,722	5,607	15,115	20,131	5,337	14,794
Does not want, or unavailable for, full-time work .....	12,196	-	12,196	11,974	-	11,974
Vacation .....	923	923	-	907	907	-
Illness .....	1,904	1,759	145	1,873	1,731	142
Bad weather .....	1,345	1,345	-	1,197	1,197	-
Industrial dispute .....	3	3	-	3	3	-
Legal or religious holiday .....	108	108	-	108	108	-
Full time for this job .....	1,966	-	1,966	1,926	-	1,926
All other reasons .....	2,278	1,470	808	2,144	1,392	752
Average hours:						
Economic reasons .....	22.1	23.7	20.9	22.3	24.0	21.0
Other reasons .....	21.1	25.3	19.5	21.1	25.4	19.6
Worked 30 to 34 hours:						
Economic reasons .....	1,819	1,011	808	1,760	968	792
Other reasons .....	5,783	2,747	3,036	5,636	2,650	2,986

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	January 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 .....	107,759	5,364	14,794	87,600	57,647	10,789	19,164	38.9	43.2
Wage and salary workers .....	99,603	4,650	13,331	81,623	54,800	10,166	16,656	38.9	43.0
Mining .....	684	8	10	666	367	105	194	45.3	46.0
Construction .....	4,997	414	213	4,371	3,156	394	821	39.0	41.6
Manufacturing .....	19,541	643	620	18,278	12,064	2,787	3,427	41.8	43.0
Durable goods .....	11,489	243	286	10,960	7,231	1,695	2,035	42.2	43.0
Nondurable goods .....	8,052	400	334	7,318	4,834	1,092	1,392	41.2	43.0
Transportation and public utilities .....	7,542	237	410	6,895	4,392	927	1,577	42.1	44.1
Wholesale and retail trade .....	20,991	1,633	4,929	14,429	8,844	2,007	3,578	36.5	43.8
Finance, insurance, and real estate .....	7,138	110	618	6,411	4,494	701	1,215	40.2	42.3
Service industries .....	33,398	1,563	6,303	25,533	17,713	2,769	5,050	37.3	42.6
Private households .....	876	126	374	376	260	35	81	28.0	45.2
All other industries .....	32,522	1,437	5,929	25,157	17,453	2,735	4,969	37.5	42.6
Public administration .....	5,311	43	228	5,040	3,770	476	794	40.9	42.0
Self-employed workers .....	-	702	1,361	5,875	2,793	610	2,472	-	46.7
Unpaid family workers .....	-	13	102	103	55	13	36	-	48.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	January 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		
<b>TOTAL</b>								
Total, 16 years and over .....	107,759	5,364	14,794	87,600	57,647	29,953	38.9	43.2
16 to 19 years .....	4,927	401	3,139	1,387	1,113	274	23.3	39.4
16 to 17 years .....	1,780	71	1,608	100	96	5	15.6	34.4
18 to 19 years .....	3,147	330	1,530	1,287	1,018	269	27.6	39.8
20 years and over .....	102,831	4,963	11,655	86,214	56,534	29,680	39.7	43.3
20 to 24 years .....	11,377	891	2,141	8,345	6,257	2,088	36.0	41.5
25 years and over .....	91,454	4,072	9,514	77,868	50,277	27,591	40.1	43.5
25 to 44 years .....	59,891	2,779	5,188	51,924	33,062	18,862	40.7	43.6
45 to 64 years .....	28,851	1,151	3,026	24,674	16,291	8,383	40.1	43.3
65 years and over .....	2,711	142	1,300	1,270	924	345	29.2	42.0
<b>Men, 16 years and over</b> .....	57,850	2,581	4,358	50,911	30,106	20,806	41.7	44.6
16 to 19 years .....	2,481	216	1,489	775	594	181	24.3	40.2
16 to 17 years .....	921	44	818	59	59	-	16.2	( <sup>1</sup> )
18 to 19 years .....	1,559	172	872	716	535	181	29.1	40.8
20 years and over .....	55,369	2,364	2,869	50,136	29,512	20,825	42.5	44.7
20 to 24 years .....	5,848	439	906	4,503	3,194	1,309	37.4	42.4
25 years and over .....	49,521	1,925	1,963	45,833	26,317	19,316	43.1	44.9
25 to 44 years .....	32,361	1,392	751	30,238	17,120	13,118	43.6	45.1
45 to 64 years .....	15,664	464	571	14,629	8,680	5,949	43.1	44.7
65 years and over .....	1,477	69	642	765	515	250	31.0	42.9
<b>Women, 16 years and over</b> .....	49,908	2,784	10,436	36,689	27,542	9,147	35.7	41.3
16 to 19 years .....	2,446	185	1,649	612	520	92	22.2	38.4
18 to 17 years .....	859	27	791	41	37	5	14.9	( <sup>1</sup> )
18 to 19 years .....	1,588	158	859	570	483	88	26.2	38.5
20 years and over .....	47,462	2,599	8,786	36,077	27,022	9,055	36.4	41.3
20 to 24 years .....	5,529	452	1,235	3,842	3,063	780	34.5	40.5
25 years and over .....	41,933	2,147	7,551	32,235	23,960	8,275	36.7	41.4
25 to 44 years .....	27,511	1,368	4,438	21,685	15,938	5,747	37.2	41.5
45 to 64 years .....	13,187	687	2,456	10,044	7,611	2,433	38.4	41.2
65 years and over .....	1,235	72	658	504	410	95	27.0	40.7
<b>RACE</b>								
White, 16 years and over .....	93,072	4,505	13,184	75,382	48,200	27,182	39.0	43.4
Men .....	50,585	2,172	3,804	44,609	25,545	19,065	41.9	44.8
Women .....	42,487	2,334	9,380	30,773	22,655	8,117	35.6	41.4
Black, 16 years and over .....	11,063	710	1,182	9,171	7,334	1,837	38.0	41.5
Men .....	5,307	336	378	4,592	3,444	1,148	39.8	42.6
Women .....	5,756	374	803	4,579	3,890	689	36.4	40.3
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	37,207	1,190	1,377	34,640	19,488	15,152	43.5	45.1
Widowed, divorced, or separated .....	5,907	362	255	5,290	3,198	2,092	42.0	44.4
Single (never married) .....	14,737	1,029	2,726	10,982	7,419	3,583	37.0	43.1
Women, 16 years and over:								
Married, spouse present .....	27,788	1,332	6,118	20,338	15,455	4,883	35.8	41.1
Widowed, divorced, or separated .....	10,094	670	1,237	8,187	5,978	2,209	37.8	41.7
Single (never married) .....	12,027	782	3,081	8,184	6,109	2,055	34.2	41.4

<sup>1</sup> 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	January 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 <sup>1</sup> .....	107,696	5,374	14,793	87,529	57,524	10,785	19,220	38.9	43.2
Managerial and professional specialty .....	29,622	620	2,684	26,318	14,813	3,320	8,185	42.1	44.8
Executive, administrative, and managerial .....	14,346	221	770	13,354	6,921	1,747	4,686	44.1	45.8
Professional specialty .....	15,276	399	1,913	12,964	7,892	1,574	3,499	40.1	43.8
Technical, sales, and administrative support .....	34,902	1,378	6,108	27,417	19,034	3,299	5,084	37.7	42.5
Technicians and related support .....	3,625	62	379	3,184	2,284	363	537	39.8	42.4
Sales occupations .....	13,513	739	2,801	9,973	5,466	1,323	3,184	38.5	45.1
Administrative support, including clerical .....	17,764	577	2,928	14,259	11,284	1,613	1,363	36.8	40.7
Service occupations .....	14,915	1,457	4,139	9,319	6,953	909	1,457	33.8	42.3
Private household .....	717	106	309	302	211	32	59	27.6	44.4
Protective service .....	1,840	41	152	1,648	1,050	245	353	41.8	44.3
Service, except private household and protective .....	12,358	1,310	3,679	7,369	5,692	632	1,046	33.0	41.7
Precision production, craft, and repair .....	12,402	775	408	11,220	7,492	1,463	2,265	40.8	42.8
Operators, fabricators, and laborers .....	15,855	1,146	1,455	13,254	9,232	1,794	2,228	39.2	42.7
Machine operators, assemblers, and inspectors .....	7,320	420	311	6,589	4,962	876	751	40.0	41.8
Transportation and material moving occupations .....	4,438	285	352	3,801	2,087	557	1,157	42.0	45.5
Handlers, equipment cleaners, helpers, and laborers .....	4,096	441	791	2,864	2,182	361	320	34.8	41.0
Men, 16 years and over <sup>1</sup> .....	57,669	2,578	4,332	50,759	29,927	6,657	14,174	41.7	44.7
Managerial and professional specialty .....	15,907	305	707	14,895	7,176	1,871	5,848	44.9	46.6
Executive, administrative, and managerial .....	8,454	131	257	8,066	3,522	1,036	3,509	46.4	47.6
Professional specialty .....	7,453	174	450	6,829	3,655	835	2,339	43.4	45.5
Technical, sales, and administrative support .....	12,489	341	1,184	10,964	6,023	1,531	3,410	42.2	45.4
Technicians and related support .....	1,851	35	78	1,738	1,157	205	377	42.2	43.7
Sales occupations .....	6,990	193	707	6,090	2,726	866	2,497	43.6	47.2
Administrative support, including clerical .....	3,648	114	398	3,136	2,140	460	536	39.6	42.9
Service occupations .....	6,114	485	1,183	4,445	3,195	478	772	36.8	43.1
Private household .....	14	-	7	8	3	1	4	( <sup>2</sup> )	( <sup>2</sup> )
Protective service .....	1,610	34	108	1,468	912	227	329	42.4	44.6
Service, except private household and protective .....	4,490	451	1,069	2,970	2,279	251	440	34.7	42.4
Precision production, craft, and repair .....	11,360	701	292	10,367	6,835	1,363	2,169	41.1	43.0
Operators, fabricators, and laborers .....	11,798	745	965	10,087	6,699	1,414	1,975	40.1	43.4
Machine operators, assemblers, and inspectors .....	4,412	139	119	4,154	2,980	585	588	41.5	42.7
Transportation and material moving occupations .....	4,048	260	207	3,581	1,959	524	1,098	42.7	45.6
Handlers, equipment cleaners, helpers, and laborers .....	3,338	346	640	2,352	1,759	304	289	35.1	41.2
Women, 16 years and over <sup>1</sup> .....	50,027	2,796	10,461	36,770	27,596	4,128	5,045	35.7	41.3
Managerial and professional specialty .....	13,714	315	1,976	11,423	7,637	1,450	2,337	38.7	42.4
Executive, administrative, and managerial .....	5,892	90	514	5,288	3,400	711	1,177	40.9	43.2
Professional specialty .....	7,823	225	1,463	6,135	4,237	738	1,160	37.0	41.8
Technical, sales, and administrative support .....	22,413	1,036	4,924	16,453	13,011	1,768	1,674	35.2	40.6
Technicians and related support .....	1,774	27	301	1,446	1,128	158	160	37.2	40.9
Sales occupations .....	6,523	546	2,094	3,884	2,740	457	687	33.0	41.8
Administrative support, including clerical .....	14,116	463	2,530	11,123	9,144	1,153	827	36.0	40.1
Service occupations .....	8,801	972	2,956	4,874	3,759	430	685	31.7	41.5
Private household .....	703	106	302	295	208	32	55	27.3	44.0
Protective service .....	230	7	44	180	138	18	24	37.0	42.3
Service, except private household and protective .....	7,869	859	2,611	4,399	3,413	381	605	32.0	41.3
Precision production, craft, and repair .....	1,042	73	116	853	657	99	96	37.3	40.9
Operators, fabricators, and laborers .....	4,057	400	489	3,167	2,533	381	253	36.5	40.5
Machine operators, assemblers, and inspectors .....	2,908	280	192	2,435	1,982	291	163	37.6	40.3
Transportation and material moving occupations .....	391	25	145	220	128	33	60	34.2	44.4
Handlers, equipment cleaners, helpers, and laborers .....	758	95	151	512	424	57	31	33.8	39.8

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

<sup>2</sup> Data not shown where base is less than 75,000.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	188,990	189,090	189,198	189,326	189,467	189,607	189,763	189,901	190,002	190,095	190,312	190,483	190,592
Labor force <sup>2</sup> .....	126,186	126,331	126,467	126,438	126,578	126,427	126,336	126,345	126,571	126,445	126,338	126,791	126,253
Percent of population <sup>2</sup> .....	66.8	66.8	66.8	66.8	66.8	66.7	66.6	66.5	66.6	66.5	66.4	66.6	66.2
Total employed <sup>3</sup> .....	119,642	119,752	119,904	119,747	119,916	119,867	119,509	119,330	119,484	119,303	119,001	119,191	118,537
Employment-population ratio <sup>3</sup> .....	63.3	63.3	63.4	63.2	63.3	63.2	63.0	62.8	62.9	62.8	62.5	62.6	62.2
Resident Armed Forces .....	1,697	1,678	1,669	1,657	1,639	1,630	1,627	1,640	1,601	1,570	1,615	1,617	1,615
Civilian employed .....	117,945	118,074	118,235	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922
Agriculture .....	3,145	3,119	3,197	3,140	3,286	3,279	3,108	3,152	3,194	3,175	3,185	3,253	3,163
Nonagricultural industries .....	114,800	114,955	115,038	114,950	114,991	114,958	114,774	114,538	114,689	114,558	114,201	114,321	113,759
Unemployed .....	6,544	6,579	6,563	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715
Unemployment rate <sup>4</sup> .....	5.2	5.2	5.2	5.3	5.3	5.2	5.4	5.6	5.6	5.8	5.8	6.0	6.1
Not in labor force .....	62,804	62,759	62,731	62,888	62,889	63,180	63,427	63,556	63,431	63,650	63,974	63,692	64,339
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	90,772	90,822	90,874	90,942	91,014	91,087	91,168	91,240	91,271	91,299	91,440	91,537	91,590
Labor force <sup>2</sup> .....	69,608	69,648	69,667	69,697	69,729	69,809	69,523	69,552	69,814	69,804	69,899	70,058	69,543
Percent of population <sup>2</sup> .....	76.7	76.7	76.7	76.6	76.6	76.4	76.3	76.2	76.5	76.4	76.4	76.5	75.9
Total employed <sup>3</sup> .....	66,013	66,086	66,104	66,035	66,061	65,964	65,728	65,683	65,853	65,822	65,790	65,781	65,251
Employment-population ratio <sup>3</sup> .....	72.7	72.8	72.7	72.6	72.6	72.4	72.1	72.0	72.2	72.1	71.9	71.9	71.2
Resident Armed Forces .....	1,523	1,506	1,497	1,499	1,472	1,465	1,462	1,475	1,441	1,414	1,453	1,454	1,453
Civilian employed .....	64,490	64,580	64,607	64,536	64,589	64,499	64,266	64,188	64,412	64,408	64,337	64,327	63,798
Unemployed .....	3,595	3,562	3,563	3,662	3,668	3,645	3,795	3,889	3,961	3,982	4,109	4,277	4,292
Unemployment rate <sup>4</sup> .....	5.2	5.1	5.1	5.3	5.3	5.2	5.5	5.6	5.7	5.7	5.9	6.1	6.2
Not in labor force .....	21,164	21,174	21,207	21,245	21,285	21,478	21,645	21,686	21,457	21,495	21,541	21,479	22,047
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	98,218	98,268	98,324	98,383	98,453	98,520	98,595	98,661	98,731	98,796	98,872	98,946	99,002
Labor force <sup>2</sup> .....	56,578	56,683	56,800	56,741	56,849	56,818	56,813	56,793	56,757	56,641	56,439	56,733	56,710
Percent of population <sup>2</sup> .....	57.6	57.7	57.8	57.7	57.7	57.7	57.6	57.6	57.5	57.3	57.1	57.3	57.3
Total employed <sup>3</sup> .....	53,629	53,666	53,600	53,712	53,855	53,903	53,781	53,667	53,631	53,481	53,211	53,410	53,287
Employment-population ratio <sup>3</sup> .....	54.6	54.6	54.7	54.6	54.7	54.7	54.5	54.4	54.3	54.1	53.8	54.0	53.8
Resident Armed Forces .....	174	172	172	158	167	165	165	165	160	156	162	163	162
Civilian employed .....	53,455	53,494	53,628	53,554	53,688	53,738	53,616	53,502	53,471	53,325	53,049	53,247	53,125
Unemployed .....	2,949	3,017	3,000	3,029	2,994	2,915	3,032	3,126	3,126	3,160	3,228	3,323	3,423
Unemployment rate <sup>4</sup> .....	5.2	5.3	5.3	5.3	5.3	5.1	5.3	5.5	5.5	5.6	5.7	5.9	6.0
Not in labor force .....	41,640	41,585	41,524	41,642	41,604	41,702	41,782	41,868	41,974	42,155	42,433	42,213	42,292

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

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

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

<sup>4</sup> Unemployment as a percent of the labor force (including the resident

Armed Forces).

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	187,293	187,412	187,529	187,669	187,828	187,977	188,136	188,261	188,401	188,525	188,697	188,866	188,977
Civilian labor force .....	124,489	124,653	124,798	124,781	124,939	124,797	124,709	124,705	124,970	124,875	124,723	125,174	124,638
Percent of population .....	66.5	66.5	66.5	66.5	66.5	66.4	66.3	66.2	66.3	66.2	66.1	66.3	66.0
Employed .....	117,945	118,074	118,235	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922
Employment-population ratio <sup>2</sup> .....	63.0	63.0	63.0	62.9	63.0	62.9	62.7	62.5	62.6	62.4	62.2	62.3	61.9
Unemployed .....	6,544	6,579	6,563	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715
Unemployment rate .....	5.3	5.3	5.3	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	82,168	82,248	82,378	82,487	82,581	82,676	82,790	82,862	82,940	83,013	83,092	83,208	83,271
Civilian labor force .....	64,031	64,111	64,154	64,188	64,313	64,342	64,331	64,419	64,572	64,594	64,682	64,803	64,345
Percent of population .....	77.9	77.9	77.9	77.8	77.9	77.8	77.7	77.7	77.9	77.8	77.8	77.9	77.3
Employed .....	61,059	61,160	61,202	61,152	61,276	61,294	61,162	61,174	61,248	61,245	61,217	61,188	60,734
Employment-population ratio <sup>2</sup> .....	74.3	74.4	74.3	74.1	74.2	74.1	73.9	73.8	73.8	73.8	73.7	73.5	72.9
Agriculture .....	2,268	2,262	2,275	2,272	2,374	2,369	2,279	2,266	2,299	2,283	2,307	2,365	2,289
Nonagricultural industries .....	58,791	58,898	58,927	58,880	58,902	58,925	58,883	58,908	58,949	58,962	58,910	58,823	58,445
Unemployed .....	2,972	2,951	2,952	3,036	3,037	3,048	3,169	3,245	3,324	3,349	3,465	3,615	3,611
Unemployment rate .....	4.6	4.6	4.6	4.7	4.7	4.7	4.9	5.0	5.1	5.2	5.4	5.6	5.6
Not in labor force .....	18,137	18,137	18,224	18,299	18,268	18,334	18,459	18,443	18,368	18,419	18,410	18,405	18,926
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	91,091	91,157	91,237	91,330	91,414	91,495	91,581	91,686	91,765	91,857	91,963	92,042	92,139
Civilian labor force .....	52,703	52,822	52,837	52,943	53,075	53,107	53,155	53,255	53,129	53,047	52,896	53,182	53,097
Percent of population .....	57.9	57.9	57.9	58.0	58.1	58.0	58.0	58.1	57.9	57.7	57.5	57.8	57.6
Employed .....	50,265	50,340	50,368	50,424	50,613	50,675	50,637	50,649	50,504	50,423	50,196	50,389	50,300
Employment-population ratio <sup>2</sup> .....	55.2	55.2	55.2	55.2	55.4	55.4	55.3	55.2	55.0	54.9	54.6	54.7	54.6
Agriculture .....	610	609	650	658	664	661	586	634	633	626	627	647	664
Nonagricultural industries .....	49,655	49,731	49,718	49,766	49,949	50,014	50,051	50,015	49,871	49,795	49,569	49,742	49,636
Unemployed .....	2,438	2,482	2,469	2,519	2,462	2,432	2,518	2,606	2,625	2,624	2,700	2,793	2,797
Unemployment rate .....	4.6	4.7	4.7	4.8	4.6	4.6	4.7	4.9	4.9	4.9	5.1	5.3	5.3
Not in labor force .....	38,388	38,335	38,400	38,387	38,339	38,388	38,426	38,433	38,636	38,810	39,067	38,860	39,042
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,034	14,008	13,914	13,652	13,832	13,806	13,764	13,711	13,696	13,655	13,642	13,616	13,567
Civilian labor force .....	7,755	7,720	7,807	7,650	7,551	7,348	7,223	7,031	7,269	7,234	7,145	7,189	7,196
Percent of population .....	55.3	55.1	56.1	55.2	54.6	53.2	52.5	51.3	53.1	53.0	52.4	52.8	53.0
Employed .....	6,821	6,574	6,865	6,514	6,388	6,268	6,083	5,867	6,131	6,065	5,973	5,997	5,869
Employment-population ratio <sup>2</sup> .....	47.2	46.9	47.9	47.0	46.2	45.4	44.2	42.8	44.8	44.4	43.8	44.0	43.4
Agriculture .....	267	248	272	210	248	249	243	252	262	264	251	241	211
Nonagricultural industries .....	6,354	6,326	6,393	6,304	6,140	6,019	5,840	5,615	5,869	5,801	5,722	5,756	5,678
Unemployed .....	1,134	1,146	1,142	1,136	1,183	1,080	1,140	1,164	1,138	1,169	1,172	1,192	1,307
Unemployment rate .....	14.6	14.8	14.6	14.6	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2
Not in labor force .....	6,279	6,288	6,107	6,202	6,281	6,458	6,541	6,680	6,427	6,421	6,497	6,427	6,371

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

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

population.

**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
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	159,938	160,007	160,076	160,170	160,271	160,365	160,468	160,550	160,640	160,717	160,831	160,942	161,007
Civilian labor force .....	106,952	107,090	107,103	107,090	107,223	107,184	107,196	107,166	107,391	107,277	107,048	107,517	106,962
Percent of population .....	66.9	66.9	66.9	66.9	66.9	66.8	66.8	66.7	66.9	66.7	66.6	66.8	66.4
Employed .....	102,112	102,145	102,208	102,088	102,293	102,332	102,189	101,996	102,192	102,017	101,648	101,843	101,104
Employment-population ratio <sup>2</sup> .....	63.8	63.8	63.8	63.7	63.8	63.8	63.7	63.5	63.6	63.5	63.2	63.3	62.8
Unemployed .....	4,840	4,945	4,895	5,002	4,930	4,852	5,007	5,170	5,199	5,260	5,400	5,674	5,858
Unemployment rate .....	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.8	4.8	4.9	5.0	5.3	5.5
<b>Men, 20 years and over</b>													
Civilian labor force .....	55,793	55,830	55,841	55,816	55,872	55,890	55,909	56,040	56,119	56,123	56,174	56,307	55,836
Percent of population .....	78.5	78.4	78.4	78.3	78.3	78.2	78.2	78.3	78.3	78.3	78.3	78.3	77.6
Employed .....	53,562	53,558	53,587	53,495	53,593	53,611	53,566	53,601	53,675	53,615	53,564	53,497	53,010
Employment-population ratio <sup>2</sup> .....	75.3	75.3	75.2	75.0	75.1	75.0	74.9	74.9	74.9	74.8	74.6	74.4	73.7
Unemployed .....	2,231	2,272	2,254	2,321	2,279	2,279	2,343	2,439	2,444	2,508	2,610	2,810	2,826
Unemployment rate .....	4.0	4.1	4.0	4.2	4.1	4.1	4.2	4.4	4.4	4.5	4.6	5.0	5.1
<b>Women, 20 years and over</b>													
Civilian labor force .....	44,522	44,634	44,595	44,733	44,861	44,982	45,039	45,060	44,984	44,918	44,711	44,995	44,888
Percent of population .....	57.4	57.5	57.5	57.6	57.7	57.8	57.8	57.8	57.7	57.6	57.2	57.6	57.4
Employed .....	42,762	42,822	42,820	42,911	43,086	43,200	43,229	43,194	43,101	43,032	42,768	43,001	42,841
Employment-population ratio <sup>2</sup> .....	55.2	55.2	55.2	55.2	55.4	55.5	55.5	55.4	55.3	55.1	54.8	55.0	54.8
Unemployed .....	1,760	1,812	1,775	1,822	1,775	1,782	1,810	1,866	1,883	1,886	1,943	1,994	2,047
Unemployment rate .....	4.0	4.1	4.0	4.1	4.0	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.6
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,637	6,626	6,667	6,541	6,490	6,312	6,248	6,066	6,288	6,236	6,163	6,215	6,238
Percent of population .....	58.7	58.8	59.4	58.6	58.2	58.8	56.4	54.9	57.1	56.9	56.3	57.0	57.4
Employed .....	5,788	5,765	5,801	5,682	5,614	5,521	5,394	5,201	5,416	5,370	5,316	5,345	5,253
Employment-population ratio <sup>2</sup> .....	51.2	51.2	51.7	50.9	50.4	49.7	48.7	47.1	49.2	49.0	48.6	49.0	48.3
Unemployed .....	849	861	866	859	876	791	854	865	872	866	847	870	985
Unemployment rate .....	12.8	13.0	13.0	13.1	13.5	12.5	13.7	14.3	13.9	13.9	13.7	14.0	15.8
Men .....	13.2	13.1	13.3	13.8	14.1	13.4	14.9	15.4	15.0	14.7	14.9	14.9	15.8
Women .....	12.3	12.9	12.6	12.3	12.9	11.6	12.4	13.1	12.6	13.0	12.5	13.0	15.8
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	21,163	21,188	21,211	21,228	21,261	21,289	21,318	21,337	21,361	21,383	21,417	21,448	21,470
Civilian labor force .....	13,517	13,484	13,540	13,534	13,570	13,488	13,406	13,401	13,476	13,493	13,550	13,486	13,501
Percent of population .....	63.9	63.5	63.8	63.8	63.8	63.4	62.9	62.8	63.1	63.1	63.3	62.9	62.9
Employed .....	11,980	12,026	12,092	12,098	12,128	12,044	11,884	11,838	11,869	11,913	11,897	11,836	11,866
Employment-population ratio <sup>2</sup> .....	56.6	56.8	57.0	57.0	57.0	56.6	55.7	55.5	55.6	55.7	55.5	55.2	55.3
Unemployed .....	1,537	1,438	1,448	1,436	1,442	1,444	1,522	1,563	1,607	1,580	1,653	1,650	1,635
Unemployment rate .....	11.4	10.7	10.7	10.6	10.6	10.7	11.4	11.7	11.9	11.7	12.2	12.2	12.1
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,195	6,195	6,221	6,233	6,247	6,298	6,292	6,260	6,324	6,339	6,348	6,359	6,313
Percent of population .....	73.5	73.6	73.5	73.6	73.6	74.1	73.9	73.4	74.1	74.1	74.3	74.1	73.5
Employed .....	5,511	5,605	5,620	5,628	5,653	5,688	5,618	5,594	5,597	5,635	5,638	5,664	5,602
Employment-population ratio <sup>2</sup> .....	65.4	66.6	66.4	66.5	66.6	66.9	65.9	65.6	65.5	65.9	66.0	66.0	65.2
Unemployed .....	684	590	601	605	594	610	674	666	727	704	710	695	712
Unemployment rate .....	11.0	9.5	9.7	9.7	9.5	9.7	10.7	10.6	11.5	11.1	11.2	10.9	11.3
<b>Women, 20 years and over</b>													
Civilian labor force .....	6,397	6,414	6,434	6,434	6,486	6,377	6,336	6,358	6,362	6,345	6,365	6,339	6,374
Percent of population .....	60.5	60.6	60.7	60.6	61.1	59.9	59.5	59.6	59.5	59.3	59.4	59.0	59.3
Employed .....	5,798	5,813	5,843	5,843	5,888	5,797	5,738	5,733	5,716	5,728	5,717	5,668	5,738
Employment-population ratio <sup>2</sup> .....	54.9	54.9	55.2	55.1	55.4	54.5	53.9	53.7	53.5	53.5	53.3	52.8	53.4
Unemployed .....	599	601	591	591	598	580	598	625	646	617	648	671	636
Unemployment rate .....	9.4	9.4	9.2	9.2	9.2	9.1	9.4	9.8	10.2	9.7	10.2	10.6	10.0

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	925	855	885	867	837	813	778	783	790	809	837	788	814
Percent of population .....	42.6	39.1	41.1	40.3	38.9	37.9	36.3	36.6	37.0	38.0	38.9	36.9	38.4
Employed .....	671	608	629	627	587	559	528	511	556	550	542	504	526
Employment-population ratio <sup>2</sup> .....	30.9	27.8	29.2	29.1	27.3	26.0	24.6	23.9	26.0	25.8	25.2	23.6	24.8
Unemployed .....	254	247	256	240	250	254	250	272	234	259	295	284	288
Unemployment rate .....	27.5	28.9	28.9	27.7	29.9	31.2	32.1	34.7	29.6	32.0	35.2	36.0	35.4
Men .....	29.1	29.2	30.5	28.9	31.6	35.2	33.1	36.7	31.4	31.3	33.2	36.4	34.6
Women .....	25.7	28.5	27.3	26.4	28.1	27.1	31.1	32.7	27.6	32.7	37.5	35.6	36.1
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,080	14,119	14,159	14,198	14,238	14,277	14,317	14,356	14,396	14,435	14,474	14,514	14,553
Civilian labor force .....	9,488	9,440	9,565	9,600	9,627	9,618	9,638	9,665	9,632	9,580	9,500	9,569	9,675
Percent of population .....	67.4	66.9	67.6	67.6	67.6	67.4	67.3	67.3	66.9	66.4	65.6	65.9	66.5
Employed .....	8,787	8,694	8,826	8,843	8,883	8,919	8,875	8,904	8,809	8,793	8,683	8,676	8,779
Employment-population ratio <sup>2</sup> .....	62.4	61.6	62.3	62.3	62.4	62.5	62.0	62.0	61.2	60.9	60.0	59.8	60.3
Unemployed .....	701	746	739	757	744	699	763	761	823	787	817	893	896
Unemployment rate .....	7.4	7.9	7.7	7.9	7.7	7.3	7.9	7.9	8.5	8.2	8.6	9.3	9.3

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

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

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

HOUSEHOLD DATA  
SEASONALLY ADJUSTED

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

(In thousands)

Category	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>CHARACTERISTIC</b>													
Total .....	117,945	118,074	118,235	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922
Married men, spouse present .....	41,003	41,256	40,942	40,769	40,854	40,626	40,601	40,661	40,833	40,833	40,844	40,728	40,316
Married women, spouse present .....	29,815	29,727	29,676	29,742	29,987	29,828	29,862	29,869	29,797	29,789	29,713	29,776	29,599
Women who maintain families .....	6,241	6,368	6,324	6,348	6,390	6,432	6,376	6,372	6,376	6,354	6,341	6,367	6,386
<b>OCCUPATION</b>													
Managerial and professional specialty .....	30,794	30,587	30,514	30,318	30,490	30,735	30,758	30,913	30,572	30,714	30,732	30,777	30,699
Technical, sales, and administrative support .....	36,849	37,053	37,104	37,010	37,335	36,678	36,499	36,009	36,541	36,447	36,380	36,242	36,360
Service occupations .....	15,443	15,379	15,647	15,736	15,693	15,894	15,917	15,847	15,889	15,880	15,861	15,904	15,746
Precision production, craft, and repair .....	13,785	13,724	13,750	13,761	13,707	13,595	13,697	13,586	13,604	13,547	13,428	13,524	13,399
Operators, fabricators, and laborers .....	17,658	17,903	17,715	17,729	17,762	17,838	17,698	17,852	17,814	17,858	17,752	17,695	17,227
Farming, forestry, and fishing .....	3,390	3,314	3,413	3,328	3,423	3,513	3,384	3,448	3,449	3,376	3,360	3,436	3,437
<b>INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,643	1,617	1,637	1,647	1,693	1,685	1,665	1,705	1,752	1,714	1,681	1,671	1,603
Self-employed workers .....	1,361	1,389	1,446	1,430	1,463	1,479	1,382	1,364	1,293	1,350	1,386	1,473	1,396
Unpaid family workers .....	113	116	115	112	104	107	100	97	108	99	116	102	157
Nonagricultural industries:													
Wage and salary workers .....	105,841	106,056	105,992	105,897	106,176	105,893	105,783	105,627	105,686	105,384	105,267	105,095	104,698
Government .....	17,661	17,656	17,732	17,800	18,050	17,832	17,785	17,798	17,597	17,694	17,633	17,640	17,680
Private industries .....	88,180	88,400	88,260	88,097	88,126	88,061	87,998	87,829	88,089	87,690	87,634	87,455	87,018
Private households .....	1,032	1,029	1,011	984	964	1,039	1,003	1,021	1,067	1,017	992	1,013	967
Other industries .....	87,148	87,371	87,249	87,113	87,162	87,022	86,995	86,808	87,022	86,673	86,642	86,442	86,051
Self-employed workers .....	8,697	8,655	8,809	8,713	8,765	8,756	8,725	8,646	8,809	8,859	8,800	8,896	8,738
Unpaid family workers .....	256	315	253	255	244	239	258	236	238	250	255	238	232
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	4,921	4,865	4,942	4,853	4,859	5,022	5,001	5,092	5,301	5,409	5,438	5,581	5,510
Slack work .....	2,368	2,318	2,420	2,406	2,443	2,501	2,570	2,491	2,658	2,663	2,786	2,928	2,908
Could only find part-time work .....	2,210	2,184	2,130	2,140	2,095	2,207	2,120	2,153	2,408	2,344	2,340	2,302	2,214
Voluntary part time .....	15,000	15,371	15,427	15,256	15,557	15,190	15,263	15,317	15,250	15,129	15,048	15,081	14,833
Nonagricultural industries:													
Part time for economic reasons .....	4,661	4,669	4,708	4,680	4,689	4,745	4,780	4,830	5,051	5,135	5,163	5,262	5,178
Slack work .....	2,206	2,183	2,252	2,246	2,306	2,297	2,399	2,290	2,482	2,467	2,625	2,742	2,692
Could only find part-time work .....	2,135	2,138	2,061	2,093	2,045	2,136	2,102	2,084	2,333	2,281	2,262	2,218	2,133
Voluntary part time .....	14,579	14,921	14,951	14,841	15,002	14,668	14,853	14,861	14,823	14,715	14,658	14,650	14,461

<sup>1</sup> Excludes persons "with a job but not at work" during the survey

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over .....	117,945	118,074	118,235	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574	116,922
16 to 24 years .....	19,299	19,240	19,380	19,163	19,061	18,934	18,732	18,439	18,684	18,577	18,518	18,572	18,442
16 to 19 years .....	6,621	6,574	6,665	6,514	6,388	6,268	6,083	5,867	6,131	6,065	5,973	5,997	5,889
16 to 17 years .....	2,501	2,499	2,519	2,438	2,383	2,316	2,215	2,158	2,246	2,212	2,225	2,224	2,215
18 to 19 years .....	4,131	4,079	4,136	4,068	3,993	3,946	3,888	3,729	3,856	3,857	3,739	3,774	3,704
20 to 24 years .....	12,678	12,666	12,715	12,649	12,673	12,666	12,649	12,572	12,553	12,512	12,545	12,575	12,554
25 years and over .....	98,671	98,793	98,825	98,871	99,172	99,336	99,247	99,320	99,212	99,160	98,847	98,937	98,483
25 to 54 years .....	83,723	83,913	83,980	84,004	84,256	84,366	84,336	84,328	84,322	84,325	84,075	84,070	83,717
55 years and over .....	14,851	14,883	14,870	14,853	14,932	14,930	14,906	14,950	14,992	14,851	14,812	14,901	14,628
Men, 16 years and over .....	64,490	64,580	64,607	64,536	64,589	64,499	64,266	64,188	64,412	64,408	64,337	64,327	63,798
16 to 24 years .....	10,074	10,059	10,062	10,006	9,969	9,866	9,778	9,613	9,760	9,712	9,695	9,758	9,594
16 to 19 years .....	3,431	3,420	3,405	3,384	3,313	3,205	3,104	3,014	3,164	3,163	3,120	3,139	3,063
16 to 17 years .....	1,298	1,302	1,293	1,260	1,227	1,184	1,136	1,089	1,170	1,183	1,179	1,172	1,205
18 to 19 years .....	2,144	2,118	2,114	2,112	2,063	2,014	1,992	1,919	1,976	1,995	1,950	1,966	1,886
20 to 24 years .....	6,643	6,639	6,657	6,622	6,656	6,661	6,674	6,599	6,596	6,549	6,575	6,619	6,530
25 years and over .....	54,438	54,504	54,534	54,517	54,591	54,634	54,508	54,604	54,670	54,687	54,637	54,546	54,190
25 to 54 years .....	45,890	46,037	46,083	46,038	46,094	46,102	46,022	46,040	46,153	46,219	46,137	46,035	45,819
55 years and over .....	8,497	8,476	8,479	8,448	8,489	8,499	8,498	8,530	8,573	8,492	8,498	8,553	8,318
Women, 16 years and over .....	53,455	53,494	53,628	53,554	53,688	53,738	53,616	53,502	53,471	53,325	53,049	53,247	53,125
16 to 24 years .....	9,225	9,181	9,318	9,157	9,092	9,068	8,954	8,826	8,924	8,865	8,823	8,814	8,848
16 to 19 years .....	3,190	3,154	3,260	3,130	3,075	3,063	2,979	2,853	2,967	2,902	2,853	2,858	2,825
16 to 17 years .....	1,203	1,197	1,226	1,178	1,156	1,132	1,079	1,069	1,076	1,049	1,046	1,052	1,010
18 to 19 years .....	1,987	1,961	2,022	1,956	1,930	1,932	1,896	1,810	1,880	1,862	1,789	1,808	1,818
20 to 24 years .....	6,035	6,027	6,058	6,027	6,017	6,005	5,975	5,973	5,957	5,963	5,970	5,956	6,023
25 years and over .....	44,233	44,289	44,291	44,354	44,581	44,702	44,739	44,716	44,542	44,473	44,210	44,391	44,273
25 to 54 years .....	37,833	37,876	37,897	37,966	38,162	38,284	38,314	38,288	38,169	38,106	37,938	38,035	37,898
55 years and over .....	6,354	6,387	6,391	6,405	6,443	6,431	6,408	6,420	6,419	6,359	6,314	6,348	6,310

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

(In thousands)

Sex and age	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over .....	6,544	6,579	6,563	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600	7,715
16 to 24 years .....	2,316	2,320	2,310	2,422	2,358	2,238	2,308	2,382	2,426	2,463	2,428	2,463	2,617
16 to 19 years .....	1,134	1,146	1,142	1,136	1,163	1,080	1,140	1,164	1,138	1,169	1,172	1,192	1,307
16 to 17 years .....	449	516	522	517	575	460	474	501	506	508	507	524	541
18 to 19 years .....	666	618	626	618	614	626	661	651	654	657	662	665	745
20 to 24 years .....	1,182	1,174	1,168	1,286	1,195	1,158	1,168	1,218	1,288	1,294	1,256	1,271	1,310
25 years and over .....	4,279	4,278	4,259	4,330	4,263	4,301	4,470	4,610	4,652	4,630	4,910	5,160	5,162
25 to 54 years .....	3,746	3,777	3,766	3,848	3,814	3,825	3,986	4,039	4,136	4,105	4,403	4,664	4,618
55 years and over .....	508	517	515	500	474	448	493	528	514	536	513	501	510
Men, 16 years and over .....	3,595	3,562	3,563	3,662	3,668	3,645	3,795	3,889	3,961	3,982	4,109	4,277	4,292
16 to 24 years .....	1,275	1,247	1,262	1,346	1,277	1,255	1,266	1,268	1,319	1,325	1,335	1,363	1,461
16 to 19 years .....	623	611	611	626	631	597	626	644	637	633	644	662	681
16 to 17 years .....	223	270	274	281	303	239	259	284	273	263	280	295	278
18 to 19 years .....	381	340	343	345	341	353	366	357	375	368	367	366	381
20 to 24 years .....	652	636	651	720	646	658	640	624	682	692	691	701	780
25 years and over .....	2,370	2,325	2,319	2,370	2,352	2,360	2,499	2,595	2,616	2,630	2,764	2,937	2,897
25 to 54 years .....	2,038	2,022	2,016	2,083	2,079	2,036	2,195	2,230	2,284	2,299	2,448	2,625	2,535
55 years and over .....	306	310	308	309	300	281	320	333	337	344	335	316	319
Women, 16 years and over .....	2,949	3,017	3,000	3,029	2,994	2,915	3,032	3,126	3,126	3,160	3,228	3,323	3,423
16 to 24 years .....	1,041	1,073	1,048	1,076	1,081	983	1,042	1,114	1,107	1,138	1,093	1,100	1,156
16 to 19 years .....	511	535	531	510	532	483	514	520	501	536	528	530	626
16 to 17 years .....	226	246	248	236	272	221	215	217	233	245	227	229	263
18 to 19 years .....	285	278	283	273	273	273	295	294	279	289	295	299	364
20 to 24 years .....	530	538	517	566	549	500	528	594	606	602	565	570	530
25 years and over .....	1,909	1,953	1,940	1,960	1,911	1,941	1,971	2,015	2,036	2,000	2,146	2,223	2,265
25 to 54 years .....	1,708	1,755	1,750	1,765	1,735	1,789	1,791	1,809	1,852	1,806	1,955	2,039	2,083
55 years and over .....	202	207	207	191	174	167	173	195	177	192	178	185	191

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

(Civilian workers)

Sex and age	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over .....	5.3	5.3	5.3	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2
16 to 24 years .....	10.7	10.8	10.7	11.2	11.0	10.6	11.0	11.4	11.5	11.7	11.6	11.7	12.4
16 to 19 years .....	14.6	14.8	14.6	14.8	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2
16 to 17 years .....	15.2	17.1	17.2	17.5	19.4	16.6	17.6	18.8	18.4	18.7	18.8	19.1	19.6
18 to 19 years .....	13.9	13.2	13.1	13.2	13.3	13.7	14.5	14.9	14.5	14.6	15.0	15.0	16.7
20 to 24 years .....	8.5	8.5	8.4	9.2	8.6	8.4	8.5	8.8	9.3	9.4	9.1	9.2	9.5
25 years and over .....	4.2	4.2	4.1	4.2	4.1	4.2	4.3	4.4	4.5	4.5	4.7	5.0	5.0
25 to 54 years .....	4.3	4.3	4.3	4.4	4.3	4.3	4.5	4.8	4.7	4.6	5.0	5.3	5.2
55 years and over .....	3.3	3.4	3.3	3.3	3.1	2.9	3.2	3.4	3.3	3.5	3.3	3.3	3.4
Men, 16 years and over .....	5.3	5.2	5.2	5.4	5.4	5.3	5.6	5.7	5.8	5.8	6.0	6.2	6.3
16 to 24 years .....	11.2	11.0	11.1	11.9	11.4	11.3	11.5	11.7	11.9	12.0	12.1	12.3	13.2
16 to 19 years .....	15.4	15.2	15.2	15.6	18.0	15.7	16.8	17.6	18.8	16.7	17.1	17.4	18.2
16 to 17 years .....	14.7	17.2	17.5	18.2	19.8	18.8	18.6	20.7	18.9	18.4	19.2	20.1	18.7
18 to 19 years .....	15.1	13.8	14.0	14.0	14.2	14.9	15.5	15.7	16.0	15.6	15.8	15.7	16.8
20 to 24 years .....	8.9	8.7	8.9	9.8	8.8	9.0	8.8	8.6	9.4	9.6	9.5	9.6	10.7
25 years and over .....	4.2	4.1	4.1	4.2	4.1	4.1	4.4	4.5	4.6	4.6	4.8	5.1	5.1
25 to 54 years .....	4.3	4.2	4.2	4.3	4.3	4.2	4.6	4.6	4.7	4.7	5.0	5.4	5.2
55 years and over .....	3.5	3.5	3.5	3.5	3.4	3.2	3.6	3.8	3.8	3.9	3.8	3.6	3.7
Women, 16 years and over .....	5.2	5.3	5.3	5.4	5.3	5.1	5.4	5.5	5.5	5.6	5.7	5.9	6.1
16 to 24 years .....	10.1	10.5	10.1	10.5	10.6	9.8	10.4	11.2	11.0	11.4	11.0	11.1	11.6
16 to 19 years .....	13.8	14.5	14.0	14.0	14.7	13.6	14.7	15.4	14.4	15.6	15.6	15.6	18.1
16 to 17 years .....	15.8	17.0	16.8	16.7	19.0	16.3	16.6	16.9	17.8	18.9	17.8	17.9	20.7
18 to 19 years .....	12.5	12.4	12.3	12.2	12.4	12.4	13.5	14.0	12.9	13.4	14.2	14.2	16.7
20 to 24 years .....	8.1	8.2	7.9	8.6	8.4	7.7	8.1	9.0	9.2	9.2	8.6	8.7	8.1
25 years and over .....	4.1	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.4	4.3	4.6	4.8	4.9
25 to 54 years .....	4.3	4.4	4.4	4.4	4.3	4.5	4.5	4.5	4.6	4.5	4.9	5.1	5.2
55 years and over .....	3.1	3.1	3.1	2.9	2.6	2.5	2.6	2.9	2.7	2.9	2.7	2.8	2.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Unemployment rates)

Category	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	5.3	5.3	5.3	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1	6.2
Men, 20 years and over .....	4.6	4.6	4.6	4.7	4.7	4.7	4.9	5.0	5.1	5.2	5.4	5.6	5.6
Women, 20 years and over .....	4.6	4.7	4.7	4.8	4.6	4.6	4.7	4.9	4.9	4.9	5.1	5.3	5.3
Both sexes, 16 to 19 years .....	14.6	14.8	14.6	14.8	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6	18.2
White .....	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.8	4.8	4.9	5.0	5.3	5.5
Black and other .....	10.0	9.4	9.5	9.3	9.5	9.6	10.3	10.4	10.8	10.6	11.0	11.1	10.7
Black .....	11.4	10.7	10.7	10.6	10.6	10.7	11.4	11.7	11.9	11.7	12.2	12.2	12.1
Hispanic origin .....	7.4	7.9	7.7	7.9	7.7	7.3	7.9	7.9	8.5	8.2	8.6	9.3	9.3
Married men, spouse present .....	3.4	3.1	3.2	3.2	3.3	3.2	3.3	3.5	3.5	3.5	3.7	3.8	4.0
Married women, spouse present .....	3.7	3.8	3.7	3.6	3.6	3.7	3.6	3.9	3.9	3.9	4.1	4.1	4.1
Women who maintain families .....	7.6	7.6	8.3	7.8	7.5	8.0	8.3	8.4	8.7	8.5	8.7	8.7	9.0
Full-time workers .....	5.0	5.0	4.9	5.1	4.9	4.9	5.1	5.3	5.4	5.5	5.7	5.8	6.0
Part-time workers .....	7.2	7.4	7.2	7.2	7.4	7.5	7.8	7.7	7.2	7.1	7.3	7.6	7.7
Unemployed 15 weeks and over <sup>1</sup> .....	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5
Labor force time lost <sup>2</sup> .....	6.0	5.9	5.9	6.2	6.0	5.9	6.1	6.3	6.4	6.6	6.7	6.9	7.0
<b>OCCUPATION<sup>3</sup></b>													
Managerial and professional specialty .....	1.9	1.9	2.0	2.0	2.0	2.2	2.1	2.2	2.3	2.2	2.2	2.2	2.7
Technical, sales, and administrative support .....	4.0	4.1	3.8	4.0	3.8	4.1	4.1	4.3	4.3	4.4	4.6	4.8	4.5
Precision production, craft, and repair .....	5.2	5.3	5.2	5.5	5.4	5.2	5.7	6.2	6.5	6.5	6.9	7.0	7.3
Operators, fabricators, and laborers .....	8.7	8.1	8.5	8.7	8.3	8.1	8.2	8.3	8.2	8.9	9.4	9.6	10.0
Farming, forestry, and fishing .....	5.8	6.2	6.3	6.8	5.3	6.2	6.8	6.3	6.2	5.5	6.2	6.9	7.6
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	5.5	5.5	5.5	5.6	5.5	5.4	5.5	5.7	5.8	5.9	6.2	6.3	6.4
Goods-producing industries .....	6.5	6.5	6.5	6.8	6.7	6.2	6.7	6.9	7.1	7.3	7.9	8.1	8.2
Mining .....	6.9	4.7	5.3	4.5	3.7	4.0	4.5	4.7	3.8	4.1	4.7	5.8	7.5
Construction .....	9.4	9.2	10.0	10.5	11.3	9.8	10.5	11.2	12.0	13.0	13.3	14.0	14.5
Manufacturing .....	5.7	5.7	5.5	5.8	5.5	5.2	5.7	5.8	5.8	5.8	6.5	6.5	6.4
Durable goods .....	5.6	5.5	5.3	5.6	5.5	5.2	5.7	5.9	6.0	5.9	6.9	6.6	6.8
Nondurable goods .....	5.7	6.1	5.8	6.0	5.4	5.3	5.7	5.6	5.4	5.7	5.9	6.4	5.9
Service-producing industries .....	5.0	5.0	5.0	5.1	5.0	5.0	5.0	5.2	5.3	5.3	5.4	5.4	5.6
Transportation and public utilities .....	4.1	3.9	3.5	4.2	3.3	3.2	3.7	4.0	3.9	4.1	4.1	4.2	4.4
Wholesale and retail trade .....	6.2	6.1	6.2	6.2	6.2	6.3	6.1	6.3	6.6	6.7	6.7	6.6	7.0
Finance and service industries .....	4.3	4.4	4.5	4.5	4.4	4.5	4.5	4.7	4.7	4.5	4.7	4.8	4.9
Government workers .....	2.4	2.5	2.4	2.2	2.5	2.9	2.8	2.8	2.8	2.8	2.8	2.7	3.0
Agricultural wage and salary workers .....	9.2	9.5	10.1	10.5	8.1	9.8	10.1	9.5	9.3	8.5	9.8	12.3	11.9

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

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force hours.

<sup>3</sup> 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
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>DURATION</b>													
Less than 5 weeks .....	3,131	3,157	3,183	3,185	3,078	3,100	3,142	3,275	3,087	3,139	3,277	3,280	3,410
5 to 14 weeks .....	2,010	2,070	2,074	2,146	2,194	2,085	2,166	2,077	2,452	2,391	2,334	2,518	2,490
15 weeks and over .....	1,396	1,374	1,370	1,417	1,404	1,436	1,508	1,568	1,805	1,591	1,727	1,739	1,829
15 to 26 weeks .....	754	737	732	742	776	777	807	822	861	893	938	940	981
27 weeks and over .....	642	637	638	675	628	659	701	746	744	698	789	799	848
Average (mean) duration, in weeks .....	11.9	11.7	11.9	12.1	11.6	12.0	12.1	12.3	12.4	12.0	12.4	12.4	12.4
Median duration, in weeks .....	5.0	5.2	5.0	5.0	5.3	5.2	5.2	5.3	6.1	5.9	5.9	5.9	5.9
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	47.9	47.8	48.0	47.2	46.1	46.8	46.1	47.3	43.2	44.1	44.7	43.5	44.1
5 to 14 weeks .....	30.7	31.4	31.3	31.8	32.9	31.5	31.8	30.0	34.3	33.6	31.8	33.4	32.2
15 weeks and over .....	21.4	20.8	20.7	21.0	21.0	21.7	22.1	22.7	22.5	22.3	23.5	23.1	23.7
15 to 26 weeks .....	11.5	11.2	11.0	11.0	11.6	11.7	11.8	11.9	12.1	12.5	12.8	12.5	12.7
27 weeks and over .....	9.8	9.7	9.6	10.0	9.4	10.0	10.3	10.8	10.4	10.8	10.8	10.6	11.0

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

(Numbers in thousands)

Reasons for unemployment	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	3,116	3,095	3,073	3,145	3,173	3,203	3,145	3,388	3,519	3,563	3,756	3,797	4,068
On layoff .....	1,012	957	944	984	980	947	977	993	1,111	1,056	1,136	1,150	1,131
Other job losers .....	2,104	2,138	2,129	2,161	2,193	2,256	2,168	2,395	2,408	2,507	2,620	2,647	2,938
Job leavers .....	1,015	1,012	1,019	1,159	1,017	999	1,020	989	954	981	996	1,024	899
Reentrants .....	1,775	1,815	1,850	1,794	1,828	1,839	1,920	1,872	1,952	1,911	1,926	2,128	2,044
New entrants .....	647	672	651	637	677	549	677	669	663	684	655	662	672
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	47.6	46.9	46.6	46.7	47.4	48.6	46.5	49.0	49.6	49.9	51.2	49.9	53.0
On layoff .....	15.4	14.5	14.3	14.6	14.6	14.4	14.4	14.4	15.7	14.8	15.5	15.1	14.7
Other job losers .....	32.1	32.4	32.3	32.1	32.8	34.2	32.1	34.6	34.0	35.1	35.7	34.8	38.2
Job leavers .....	15.5	15.3	15.5	17.2	15.2	15.2	15.1	14.3	13.5	13.7	13.6	13.5	11.7
Reentrants .....	27.1	27.5	28.1	26.6	27.3	27.9	28.4	27.1	27.5	26.8	26.3	28.0	26.6
New entrants .....	9.9	10.2	9.9	9.5	10.1	8.3	10.0	9.7	9.4	9.6	8.9	8.7	8.7
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	2.5	2.5	2.5	2.5	2.5	2.6	2.5	2.7	2.8	2.9	3.0	3.0	3.3
On layoff .....	.8	.8	.8	.9	.8	.8	.8	.8	.8	.8	.8	.8	.7
Other job losers .....	1.4	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.7	1.6
Job leavers .....	.5	.5	.5	.5	.5	.4	.5	.5	.5	.5	.5	.5	.5



**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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Total</b> .....		110,189	108,150	111,099	110,841	108,316	-	-	-	-	-
<b>Total private</b> .....		91,964	90,167	92,385	92,218	90,071	74,633	72,876	74,888	74,719	72,621
<b>Mining</b> .....		719	712	745	741	724	515	508	540	535	517
Metal mining .....	10	58.4	59.1	60.8	62.4	-	46.5	47.0	47.3	48.7	-
Iron ores .....	101	8.0	8.1	6.7	8.5	-	6.7	6.6	4.8	6.4	-
Copper ores .....	102	14.2	14.7	15.4	15.4	-	11.5	11.9	12.6	12.6	-
Coal mining .....	12	152.3	152.1	153.8	153.2	-	123.0	123.0	124.3	123.8	-
Bituminous coal and lignite mining .....	122	142.3	142.0	143.1	142.8	-	114.9	114.8	115.7	115.5	-
Oil and gas extraction .....	13	400.0	397.3	418.1	417.3	410.4	264.3	261.7	283.5	281.4	-
Crude petroleum and natural gas .....	131	192.3	192.5	188.7	188.7	-	91.7	92.6	93.3	92.8	-
Oil and gas field services .....	138	203.4	200.6	225.5	224.6	-	169.4	165.8	187.2	185.6	-
Nonmetallic minerals, except fuels .....	14	108.0	103.0	112.0	107.6	-	81.3	76.2	84.7	80.6	-
Crushed and broken stone .....	142	39.5	37.2	41.3	39.4	-	30.5	28.0	31.9	30.1	-
Sand and gravel .....	144	33.4	30.9	35.3	33.1	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	16.6	16.6	16.4	16.4	-	-	-	-	-	-
<b>Construction</b> .....		5,141	4,884	5,165	4,917	4,460	3,988	3,744	4,010	3,772	3,327
General building contractors .....	15	1,333.1	1,284.1	1,281.3	1,240.1	1,146.9	965.0	919.0	924.6	886.9	-
Residential building construction .....	152	682.7	653.9	642.8	622.4	-	481.2	454.2	448.1	429.5	-
Operative builders .....	153	40.8	39.0	34.8	33.9	-	17.3	16.6	14.1	13.6	-
Nonresidential building construction .....	154	609.6	591.2	603.7	583.8	-	466.5	448.2	462.4	443.8	-
Heavy construction, except building .....	16	754.6	682.2	813.6	737.1	-	623.4	553.8	678.5	604.1	-
Highway and street construction .....	161	200.5	164.6	258.6	210.6	-	158.6	125.3	214.7	167.8	-
Heavy construction, except highway .....	162	554.1	517.6	555.0	526.5	-	464.8	428.5	463.8	436.3	-
Special trade contractors .....	17	3,053.3	2,917.5	3,069.6	2,939.8	-	2,399.6	2,271.3	2,407.0	2,281.4	-
Plumbing, heating, and air conditioning .....	171	660.7	646.3	642.0	634.6	-	488.5	474.5	470.7	463.7	-
Painting and paper hanging .....	172	171.7	158.5	171.3	158.8	-	143.2	130.1	141.9	129.6	-
Electrical work .....	173	566.7	551.2	567.0	561.5	-	440.9	425.2	439.3	433.1	-
Masonry, stonework, and plastering .....	174	494.9	479.8	502.4	473.3	-	424.5	410.7	430.0	401.7	-
Carpentry and floor work .....	175	204.1	195.6	173.1	166.2	-	157.5	150.3	127.3	122.0	-
Roofing, siding, and sheet metal work .....	176	210.9	200.0	220.5	210.0	-	167.3	157.7	176.3	165.4	-
<b>Manufacturing</b> .....		19,320	19,031	18,827	18,734	18,493	13,152	12,887	12,749	12,662	12,470
<b>Durable goods</b> .....		11,330	11,123	10,911	10,864	10,706	7,534	7,342	7,214	7,177	7,054
Lumber and wood products .....	24	745.7	736.6	717.1	705.6	688.6	614.2	606.2	588.1	577.4	563.0
Logging .....	241	87.8	85.6	84.8	81.8	-	72.0	69.9	69.8	66.8	-
Sawmills and planing mills .....	242	200.3	198.7	193.1	191.1	-	174.5	173.4	167.7	165.7	-
Sawmills and planing mills, general .....	2421	161.6	160.3	155.8	154.3	-	140.9	140.0	135.0	133.5	-
Hardwood dimension and flooring mills .....	2426	35.5	35.4	34.0	33.8	-	31.0	31.0	29.9	29.7	-
Millwork, plywood, and structural members .....	243	264.7	263.0	249.7	245.4	-	214.0	212.5	200.1	196.2	-
Millwork .....	2431	106.0	105.6	101.4	99.2	-	83.5	83.1	78.6	76.6	-
Wood kitchen cabinets .....	2434	73.2	72.4	70.5	69.8	-	58.3	57.6	56.1	55.7	-
Hardwood veneer and plywood .....	2435	23.3	23.6	22.2	21.7	-	20.1	20.4	19.1	18.6	-
Softwood veneer and plywood .....	2436	34.3	34.2	31.2	31.2	-	30.9	30.8	27.9	27.8	-
Wood containers .....	244	42.3	42.0	43.4	42.9	-	35.4	35.2	36.4	35.9	-
Wood buildings and mobile homes .....	245	63.9	60.5	62.4	61.0	-	48.0	45.0	46.7	45.5	-
Mobile homes .....	2451	43.0	40.9	43.6	42.8	-	34.8	32.9	35.0	34.4	-
Miscellaneous wood products .....	249	86.9	86.8	83.7	83.4	-	70.3	70.2	67.4	67.3	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures .....	25	524.1	519.5	501.5	498.4	492.3	416.9	412.5	394.7	391.5	387.2
Household furniture .....	251	301.1	298.7	285.0	283.8	-	253.6	251.0	237.3	235.9	-
Wood household furniture .....	2511	132.9	131.6	124.4	124.4	-	115.5	113.9	106.7	106.6	-
Upholstered household furniture .....	2512	100.2	99.3	98.5	97.6	-	83.9	83.1	82.1	81.1	-
Metal household furniture .....	2514	25.0	25.1	22.4	22.9	-	20.1	20.3	17.6	18.1	-
Mattresses and bedsprings .....	2515	28.2	28.3	26.8	26.8	-	21.5	21.6	20.2	20.1	-
Office furniture .....	252	70.9	70.7	68.1	68.0	-	52.7	52.6	50.6	50.6	-
Public building and related furniture .....	253	33.1	32.1	30.5	29.8	-	26.0	25.1	23.5	23.0	-
Partitions and fixtures .....	254	81.6	81.0	82.4	81.4	-	59.1	58.5	59.6	58.4	-
Miscellaneous furniture and fixtures .....	259	37.4	37.0	35.5	35.4	-	25.5	25.3	23.7	23.6	-
Stone, clay, and glass products .....	32	560.1	547.7	545.3	532.3	512.1	435.6	424.6	423.9	412.7	394.7
Flat glass .....	321	16.6	16.5	16.3	16.2	-	13.2	13.1	12.8	12.8	-
Glass and glassware, pressed or blown .....	322	86.5	85.2	83.3	81.7	-	74.6	73.4	71.9	70.3	-
Glass containers .....	3221	43.0	42.0	41.3	41.0	-	39.0	38.0	37.5	37.0	-
Pressed and blown glass, nec .....	3229	43.5	43.2	42.0	40.7	-	35.6	35.4	34.4	33.3	-
Products of purchased glass .....	323	57.1	56.1	54.4	53.7	-	43.7	43.1	41.7	40.9	-
Cement, hydraulic .....	324	18.6	18.4	18.8	18.8	-	14.2	14.0	14.4	14.4	-
Structural clay products .....	325	36.6	36.0	34.8	33.8	-	28.2	27.5	26.6	25.9	-
Pottery and related products .....	326	40.6	40.5	38.5	37.8	-	32.4	32.0	30.4	29.9	-
Concrete, gypsum, and plaster products .....	327	206.3	199.8	205.0	196.9	-	156.6	151.1	156.5	149.0	-
Concrete block and brick .....	3271	19.0	18.6	18.7	18.0	-	12.5	12.0	12.0	11.4	-
Concrete products, nec .....	3272	72.1	70.0	68.6	66.4	-	54.4	52.5	51.6	49.4	-
Ready-mixed concrete .....	3273	95.9	92.1	99.3	94.5	-	74.8	71.9	78.8	74.3	-
Misc. nonmetallic mineral products .....	329	83.9	82.3	79.9	79.5	-	62.0	60.6	59.1	59.1	-
Abrasive products .....	3291	21.9	21.8	21.0	20.9	-	15.5	15.4	15.0	15.0	-
Asbestos products .....	3292	7.1	7.2	7.0	6.9	-	5.3	5.4	5.2	5.2	-
Mineral wool .....	3296	25.5	24.4	23.3	23.3	-	-	-	-	-	-
Primary metal industries .....	33	760.8	753.2	743.9	739.3	733.8	577.7	571.2	563.7	559.2	553.8
Blast furnaces and basic steel products .....	331	273.0	272.3	269.2	268.8	267.1	209.4	209.2	205.8	205.5	204.0
Blast furnaces and steel mills .....	3312	206.0	205.7	202.5	202.1	-	159.5	159.6	156.5	156.0	-
Steel pipe and tubes .....	3317	24.5	24.3	24.6	24.5	-	18.3	18.2	18.2	18.2	-
Iron and steel foundries .....	332	134.9	131.1	132.4	130.8	-	107.9	103.9	105.5	104.0	-
Gray and ductile iron foundries .....	3321	82.8	79.0	80.8	79.4	-	67.6	63.7	65.8	64.3	-
Malleable iron foundries .....	3322	8.8	8.6	8.6	8.6	-	6.8	6.5	6.4	6.4	-
Steel foundries, nec .....	3325	28.1	28.3	28.0	27.7	-	22.0	22.3	21.8	21.7	-
Primary nonferrous metals .....	333	45.9	45.6	44.0	44.4	-	33.7	33.7	32.4	32.6	-
Primary aluminum .....	3334	25.8	25.8	24.2	24.6	-	19.6	19.6	18.5	18.7	-
Nonferrous rolling and drawing .....	335	176.4	174.6	172.1	170.2	-	126.0	124.6	123.7	122.0	-
Copper rolling and drawing .....	3351	23.7	23.6	22.5	22.2	-	18.1	18.0	17.1	17.0	-
Aluminum sheet, plate, and foil .....	3353	28.2	28.6	28.7	28.6	-	18.7	19.3	19.2	19.0	-
Nonferrous wire drawing and insulating .....	3357	74.3	72.3	72.3	71.4	-	53.9	52.0	53.1	52.1	-
Nonferrous foundries (castings) .....	336	85.6	84.7	83.0	82.4	-	67.7	66.9	64.9	64.2	-
Aluminum foundries .....	3365	24.1	24.0	23.6	23.6	-	18.9	18.9	18.6	18.5	-
Fabricated metal products .....	34	1,433.3	1,402.3	1,397.3	1,389.3	1,367.3	1,059.8	1,029.2	1,028.7	1,022.8	1,002.7
Metal cans and shipping containers .....	341	51.4	51.8	50.1	50.8	-	44.1	44.7	42.9	43.5	-
Metal cans .....	3411	41.1	41.5	40.5	41.1	-	35.6	36.2	35.2	35.8	-
Cutlery, handtools, and hardware .....	342	131.1	127.3	124.5	124.4	-	96.7	92.6	90.7	90.8	-
Hand and edge tools, and blades and handsaws .....	3423.5	45.3	45.1	43.5	43.4	-	33.5	33.3	31.8	31.8	-
Hardware, nec .....	3429	73.7	70.2	69.3	69.3	-	54.8	51.1	50.9	51.0	-
Plumbing and heating, except electric .....	343	63.0	63.0	62.3	62.0	-	45.6	45.3	44.7	44.3	-
Plumbing fixture fittings and trim .....	3432	26.8	27.0	25.6	25.6	-	19.9	20.0	19.0	19.1	-
Heating equipment, except electric .....	3433	22.7	22.5	22.8	22.5	-	15.5	15.1	15.3	14.9	-
Fabricated structural metal products .....	344	429.2	424.0	423.4	420.3	-	305.5	300.4	299.8	297.3	-
Fabricated structural metal .....	3441	78.4	77.6	77.3	76.5	-	56.3	55.6	55.4	54.6	-
Metal doors, sash, and trim .....	3442	75.2	73.2	74.4	73.0	-	54.5	52.7	53.4	52.3	-
Fabricated plate work (boiler shops) .....	3443	108.3	108.1	109.4	109.5	-	72.7	72.6	73.3	73.6	-
Sheet metal work .....	3444	95.9	94.7	92.9	92.3	-	72.6	71.0	70.1	69.4	-
Architectural metal work .....	3446	29.2	28.7	28.4	28.3	-	20.9	20.4	20.0	19.9	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
<b>Fabricated metal products—Continued</b>											
Screw machine products, bolts, etc .....	345	99.3	98.6	95.0	94.1	-	76.2	75.7	72.7	71.9	-
Screw machine products .....	3451	47.8	47.2	45.8	45.4	-	39.1	38.4	37.2	36.9	-
Bolts, nuts, rivets, and washers .....	3452	51.5	51.4	49.2	48.7	-	37.1	37.3	35.5	35.0	-
Metal forgings and stampings .....	346	227.8	208.5	222.1	220.5	-	180.4	161.8	175.4	174.2	-
Iron and steel forgings .....	3462	32.4	32.0	32.0	31.8	-	25.0	24.5	24.3	24.2	-
Automotive stampings .....	3465	103.8	85.4	98.6	97.9	-	86.6	68.7	82.0	81.5	-
Metal stampings, nec .....	3469	79.1	78.5	79.2	78.5	-	59.6	59.4	59.9	59.3	-
Metal services, nec .....	347	121.5	120.5	119.8	117.8	-	96.1	94.8	93.4	91.7	-
Plating and polishing .....	3471	78.2	77.2	76.3	75.1	-	62.5	61.3	59.7	58.7	-
Metal coating and allied services .....	3479	43.3	43.3	43.5	42.7	-	33.6	33.5	33.7	33.0	-
Ordnance and accessories, nec .....	348	72.7	72.1	66.8	66.7	-	44.4	43.9	42.3	42.5	-
Ammunition, except for small arms, nec .....	3483	42.4	41.9	38.6	38.8	-	23.0	22.6	22.0	22.2	-
Miscellaneous fabricated metal products .....	349	237.3	236.5	233.3	232.7	-	170.8	170.0	166.8	166.6	-
Valves and pipe fittings, nec .....	3494	29.7	29.7	28.8	28.9	-	19.1	19.0	19.1	19.3	-
Misc. fabricated wire products .....	3496	54.4	54.5	53.3	53.5	-	41.4	41.4	39.8	40.1	-
Industrial machinery and equipment .....	35	2,136.9	2,132.3	2,066.8	2,063.4	2,054.7	1,287.6	1,287.7	1,237.8	1,234.6	1,230.2
Engines and turbines .....	351	91.3	91.0	92.5	92.7	-	59.4	59.1	60.1	60.3	-
Turbines and turbine generator sets .....	3511	26.7	26.4	28.9	28.9	-	15.5	15.3	17.1	17.1	-
Internal combustion engines, nec .....	3519	64.6	64.6	63.6	63.8	-	43.9	43.8	43.0	43.2	-
Farm and garden machinery .....	352	110.2	112.7	111.0	112.0	-	81.3	83.9	81.1	82.0	-
Farm machinery and equipment .....	3523	79.2	80.5	80.3	80.2	-	56.1	57.5	57.5	57.2	-
Construction and related machinery .....	353	224.7	224.9	222.2	221.9	-	138.0	138.8	135.8	135.8	-
Construction machinery .....	3531	84.0	84.2	79.1	78.5	-	53.1	53.3	47.7	47.3	-
Mining machinery .....	3532	16.7	16.8	16.9	16.9	-	10.3	10.4	10.5	10.5	-
Oil and gas field machinery .....	3533	39.5	39.4	43.3	43.7	-	22.6	23.0	27.1	27.7	-
Conveyors and conveying equipment .....	3535	35.1	35.0	34.6	34.8	-	19.2	19.2	19.5	19.6	-
Industrial trucks and tractors .....	3537	29.1	29.0	27.9	27.7	-	19.9	19.8	18.6	18.4	-
Metalworking machinery .....	354	337.6	336.8	325.6	324.9	-	241.4	240.9	232.8	232.0	-
Machine tools, metal cutting types .....	3541	49.3	49.0	45.3	45.3	-	31.8	31.6	28.9	28.9	-
Machine tools, metal forming types .....	3542	18.7	18.8	18.1	18.0	-	11.9	11.9	11.2	11.2	-
Special dies, tools, jigs, and fixtures .....	3544	149.7	149.5	146.4	146.0	-	116.1	115.8	113.6	113.0	-
Machine tool accessories .....	3545	58.0	57.4	54.2	54.0	-	40.8	40.5	38.2	38.0	-
Power driven handtools .....	3546	21.1	21.2	20.9	20.9	-	14.6	14.7	14.5	14.5	-
Special industry machinery .....	355	160.5	160.3	154.9	154.3	-	96.0	95.6	91.1	90.8	-
Textile machinery .....	3552	19.2	19.2	18.4	18.3	-	12.7	12.6	12.2	12.2	-
Printing trades machinery .....	3555	24.1	24.0	22.8	22.8	-	13.5	13.3	12.0	12.1	-
Food products machinery .....	3556	24.4	24.2	23.1	22.9	-	14.7	14.7	13.8	13.7	-
General industrial machinery .....	356	244.4	244.0	241.8	241.5	-	157.6	157.3	154.4	154.0	-
Pumps and pumping equipment .....	3561	29.0	29.1	29.0	29.0	-	16.7	16.7	16.6	16.4	-
Ball and roller bearings .....	3562	43.7	43.3	43.6	43.5	-	34.1	33.7	33.9	33.8	-
Air and gas compressors .....	3563	24.3	24.2	24.6	24.7	-	13.6	13.6	13.6	13.7	-
Blowers and fans .....	3564	31.5	31.1	31.3	31.6	-	21.3	21.0	21.0	21.3	-
Speed changers, drives, and gears .....	3566	16.5	16.5	16.4	16.4	-	11.7	11.8	11.5	11.6	-
Power transmission equipment, nec .....	3568	19.0	19.2	18.3	18.3	-	13.0	13.2	12.3	12.2	-
Computer and office equipment .....	357	464.6	458.6	439.3	439.2	-	147.7	145.8	138.1	137.7	-
Electronic computers .....	3571	289.6	284.4	270.5	270.2	-	76.8	75.0	68.6	67.7	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	72.8	70.8	67.4	67.1	-	22.3	22.0	21.9	22.4	-
Refrigeration and service machinery .....	358	185.1	186.5	170.7	169.0	-	132.2	132.7	118.6	116.9	-
Refrigeration and heating equipment .....	3585	130.2	131.4	119.0	117.0	-	96.0	96.5	85.6	83.7	-
Misc. industrial and commercial machinery .....	359	318.5	317.5	308.8	307.9	-	234.0	233.6	225.8	225.1	-
Carburetors, pistons, rings, valves .....	3592	23.5	23.4	22.7	22.6	-	18.4	18.8	18.3	18.3	-
Scales, balances, and industrial machinery, nec .....	3596,9	244.5	243.8	238.3	237.6	-	186.2	185.6	180.0	179.1	-
Electronic and other electrical equipment .....	36	1,730.0	1,721.4	1,663.2	1,653.5	1,637.8	1,084.5	1,089.7	1,047.1	1,039.6	1,031.2
Electric distribution equipment .....	361	98.1	97.6	94.6	93.9	-	69.3	69.0	65.9	65.3	-
Transformers, except electronic .....	3612	49.7	49.4	47.3	47.1	-	35.4	35.4	33.4	33.3	-
Switchgear and switchboard apparatus .....	3613	48.4	48.2	47.3	46.8	-	33.9	33.6	32.5	32.0	-
Electrical industrial apparatus .....	362	175.5	174.9	166.9	165.8	-	124.1	123.7	116.5	115.7	-
Motors and generators .....	3621	88.1	87.8	82.2	81.0	-	69.2	69.1	63.2	62.2	-
Relays and industrial controls .....	3625	67.6	67.4	65.2	65.2	-	41.3	41.0	39.9	39.9	-
Household appliances .....	363	125.6	130.0	124.9	125.3	-	100.3	104.5	99.4	100.0	-
Household refrigerators and freezers .....	3632	24.4	27.0	25.9	26.3	-	19.3	21.6	21.0	21.4	-
Household laundry equipment .....	3633	20.9	21.1	20.2	20.1	-	17.1	17.4	15.7	15.8	-
Electric housewares and fans .....	3634	35.8	35.8	35.9	35.8	-	27.9	27.9	27.7	27.5	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Electronic and other electrical equipment—Continued</b>											
Electric lighting and wiring equipment .....	364	193.4	191.3	185.4	183.3	-	140.1	138.5	133.3	131.1	-
Electric lamps .....	3641	25.3	25.2	24.4	24.4	-	21.6	21.5	20.7	20.8	-
Current-carrying wiring devices .....	3643	74.5	74.1	72.2	71.8	-	48.7	48.5	47.6	47.2	-
Noncurrent-carrying wiring devices .....	3644	16.4	16.5	15.6	15.6	-	12.2	12.4	11.2	11.2	-
Residential lighting fixtures .....	3645	25.8	25.4	24.6	23.7	-	19.3	18.9	17.9	17.0	-
Household audio and video equipment .....	365	88.2	86.4	86.2	84.3	-	62.5	60.5	58.8	57.3	-
Household audio and video equipment .....	3651	66.7	64.8	64.6	63.8	-	45.9	43.9	41.9	41.2	-
Communications equipment .....	366	266.7	266.7	251.4	251.1	-	135.9	136.0	125.8	125.8	-
Telephone and telegraph apparatus .....	3661	136.3	135.9	127.4	127.7	-	76.8	76.4	67.3	67.5	-
Electronic components and accessories .....	367	611.6	607.4	587.3	585.6	-	344.0	342.2	332.7	332.5	-
Electron tubes .....	3671	35.3	35.1	33.3	33.2	-	23.3	23.2	21.8	21.7	-
Semiconductors and related devices .....	3674	248.4	246.9	240.3	239.7	-	94.8	94.6	94.3	94.6	-
Electronic components, nec .....	3679	149.2	149.0	142.1	141.4	-	94.2	94.2	89.5	89.4	-
Misc. electrical equipment and supplies .....	369	170.9	167.1	166.5	164.2	-	118.3	115.3	114.7	111.9	-
Storage batteries .....	3691	30.2	30.2	30.0	29.8	-	23.3	23.6	23.1	23.1	-
Engine electrical equipment .....	3694	71.0	67.1	67.5	64.6	-	53.8	50.4	51.1	48.2	-
Transportation equipment .....	37	2,041.0	1,918.8	1,906.1	1,919.9	1,871.6	1,263.8	1,142.0	1,165.1	1,180.5	1,139.7
Motor vehicles and equipment .....	371	838.1	720.3	753.5	770.2	731.9	644.9	529.1	568.8	585.3	550.2
Motor vehicles and car bodies .....	3711	337.1	255.5	280.7	298.4	-	248.3	167.2	199.3	216.0	-
Truck and bus bodies .....	3713	41.3	38.6	38.2	37.3	-	32.3	30.2	29.2	28.5	-
Motor vehicle parts and accessories .....	3714	412.1	378.7	393.1	393.8	-	327.8	295.1	309.4	310.6	-
Truck trailers .....	3715	27.7	27.3	26.2	25.7	-	21.6	21.4	20.1	19.6	-
Aircraft and parts .....	372	723.0	723.0	693.0	691.4	-	347.7	346.6	336.8	336.8	-
Aircraft .....	3721	389.8	389.4	365.7	364.3	-	168.1	166.9	157.8	157.7	-
Aircraft engines and engine parts .....	3724	156.6	157.2	155.2	155.4	-	78.8	79.5	79.9	80.2	-
Aircraft parts and equipment, nec .....	3728	176.6	176.4	172.1	171.7	-	100.8	100.2	99.1	98.9	-
Ship and boat building and repairing .....	373	191.1	189.2	184.3	183.6	-	144.0	141.3	140.3	140.4	-
Ship building and repairing .....	3731	127.5	125.9	130.8	131.6	-	92.1	89.7	96.1	97.6	-
Boat building and repairing .....	3732	63.6	63.3	53.5	52.0	-	51.9	51.6	44.2	42.8	-
Railroad equipment .....	374	34.5	34.1	34.2	34.3	-	25.8	25.4	25.4	25.2	-
Guided missiles, space vehicles, and parts .....	376	194.1	192.9	183.6	183.4	-	61.0	60.0	56.2	55.9	-
Guided missiles and space vehicles .....	3761	138.5	138.0	133.5	133.4	-	39.3	38.4	37.5	37.5	-
Miscellaneous transportation equipment .....	379	46.7	45.7	44.4	44.2	-	30.4	29.4	28.7	28.1	-
Travel trailers and campers .....	3792	17.8	17.0	16.7	17.0	-	13.8	13.0	12.8	12.9	-
Instruments and related products .....	38	1,014.1	1,010.0	983.8	984.0	974.1	503.9	501.9	485.0	486.2	482.9
Search and navigation equipment .....	381	290.6	289.2	274.4	274.3	-	98.1	97.5	88.7	89.1	-
Measuring and controlling devices .....	382	328.9	327.7	315.1	314.5	-	183.9	182.6	174.9	174.3	-
Environmental controls .....	3822	49.6	49.8	46.8	46.9	-	33.3	33.4	31.8	32.0	-
Process control instruments .....	3823	65.8	65.5	64.8	64.5	-	34.8	34.6	33.5	33.1	-
Instruments to measure electricity .....	3825	98.8	98.7	92.4	92.0	-	49.9	49.6	46.4	46.9	-
Medical instruments and supplies .....	384	240.8	240.5	244.5	245.5	-	140.5	140.9	143.2	144.6	-
Surgical and medical instruments .....	3841	99.7	99.5	101.8	102.3	-	57.3	57.3	59.3	60.7	-
Surgical appliances and supplies .....	3842	90.6	90.9	93.5	94.1	-	56.8	57.1	59.4	59.9	-
Ophthalmic goods .....	385	39.9	39.5	38.2	37.8	-	27.6	27.0	26.4	26.3	-
Photographic equipment and supplies .....	386	102.8	102.0	100.9	101.0	-	45.8	45.7	43.5	43.5	-
Watches, clocks, watchcases, and parts .....	387	11.1	11.1	10.7	10.9	-	8.0	8.2	8.3	8.4	-
Miscellaneous manufacturing industries .....	39	383.9	380.7	386.4	378.4	374.0	280.2	277.0	279.9	272.6	268.9
Jewelry, silverware, and plated ware .....	391	54.1	52.7	54.6	53.7	-	38.6	37.0	39.1	38.1	-
Jewelry, precious metal .....	3911	39.6	38.5	40.1	39.2	-	28.0	26.7	28.6	27.7	-
Musical instruments .....	393	12.3	12.1	11.8	11.7	-	10.1	9.9	9.6	9.6	-
Toys and sporting goods .....	394	102.6	102.9	105.9	102.6	-	74.4	74.4	77.7	74.7	-
Dolls, games, toys, and children's vehicles .....	3942,4	43.0	42.9	45.5	43.5	-	30.0	29.7	32.5	30.7	-
Sporting and athletic goods, nec .....	3949	59.6	60.0	60.4	59.1	-	44.4	44.7	45.2	44.0	-
Pens, pencils, office, and art supplies .....	395	35.0	35.0	33.7	33.4	-	24.4	24.5	23.4	23.3	-
Costume jewelry and notions .....	396	37.8	37.1	38.7	36.9	-	29.9	29.5	28.6	26.9	-
Costume jewelry .....	3961	24.0	23.1	25.7	24.0	-	19.1	18.5	18.6	17.0	-
Miscellaneous manufactures .....	399	142.1	140.9	141.7	140.1	-	102.8	101.7	101.5	100.0	-
Signs and advertising specialties .....	3993	58.4	58.4	55.8	55.8	-	40.8	41.0	38.8	38.7	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Nondurable goods</b> .....		7,990	7,908	7,916	7,870	7,787	5,618	5,545	5,535	5,485	5,416
Food and kindred products .....	20	1,640.3	1,606.3	1,663.6	1,644.4	1,613.3	1,171.7	1,142.7	1,202.7	1,183.0	1,153.4
Meat products .....	201	417.7	411.0	428.3	427.6	-	355.6	349.2	366.0	365.3	-
Meat packing plants .....	2011	140.9	139.0	142.3	143.1	-	118.5	117.1	121.2	122.0	-
Sausages and other prepared meats .....	2013	84.8	83.5	85.8	85.4	-	62.9	61.5	64.6	64.3	-
Poultry slaughtering and processing .....	2015	192.0	188.5	200.2	199.1	-	174.2	170.6	180.2	179.0	-
Dairy products .....	202	154.7	152.5	152.0	151.7	-	93.5	92.3	92.9	92.8	-
Cheese, natural and processed .....	2022	42.6	41.5	41.5	41.5	-	32.7	31.8	32.2	32.1	-
Fluid milk .....	2026	74.2	73.8	73.6	73.4	-	36.8	36.6	36.6	36.5	-
Preserved fruits and vegetables .....	203	224.1	216.4	231.5	221.0	-	182.7	175.0	192.7	181.8	-
Canned specialties .....	2032	25.2	25.4	23.5	23.2	-	18.9	19.1	19.1	18.8	-
Canned fruits and vegetables .....	2033	69.4	66.2	76.2	68.7	-	57.2	54.1	64.9	57.0	-
Frozen fruits and vegetables .....	2037	50.3	46.3	50.4	48.5	-	44.3	40.0	43.8	41.8	-
Grain mill products .....	204	128.7	127.9	128.8	128.7	-	88.5	88.1	90.5	90.3	-
Flour and other grain mill products .....	2041	21.8	22.1	23.1	22.9	-	14.5	14.9	15.1	14.9	-
Prepared feeds, nec .....	2048	44.8	44.7	44.1	43.8	-	28.0	27.9	28.4	28.1	-
Bakery products .....	205	214.9	210.5	212.9	211.2	-	133.6	130.4	135.0	133.3	-
Bread, cake, and related products .....	2051	156.7	153.6	152.0	151.1	-	88.8	86.6	87.8	87.1	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	58.2	56.9	60.9	60.1	-	44.8	43.8	47.2	46.2	-
Sugar and confectionery products .....	206	113.7	108.7	123.9	118.4	-	91.0	85.9	99.3	93.0	-
Raw cane sugar .....	2061	8.4	7.4	8.2	8.0	-	6.5	5.5	6.4	6.2	-
Cane sugar refining .....	2062	5.4	5.2	5.4	5.4	-	4.1	4.0	3.9	3.9	-
Beet sugar .....	2063	11.5	10.9	12.7	11.7	-	10.0	9.5	10.9	10.1	-
Candy and other confectionery products .....	2064	57.5	54.5	65.4	61.8	-	48.4	45.1	54.6	50.1	-
Fats and oils .....	207	30.9	30.7	30.0	29.7	-	22.6	22.6	21.3	21.0	-
Beverages .....	208	186.4	182.8	183.2	182.9	-	78.7	76.4	77.0	77.0	-
Malt beverages .....	2082	40.6	39.9	40.2	40.2	-	24.6	23.8	23.6	23.8	-
Bottled and canned soft drinks .....	2086	104.4	102.6	102.4	102.2	-	33.7	33.0	33.5	33.6	-
Misc. food and kindred products .....	209	169.2	165.8	173.0	173.2	-	125.5	122.8	128.0	128.5	-
Tobacco products .....	21	50.1	49.7	47.8	49.8	50.0	38.2	38.0	35.7	37.6	37.5
Cigarettes .....	211	34.0	34.1	34.1	34.1	-	25.4	25.6	25.3	25.3	-
Textile mill products .....	22	716.2	713.1	689.3	681.6	679.3	617.4	613.7	591.1	582.8	581.8
Broadwoven fabric mills, cotton .....	221	95.2	94.9	89.7	89.8	-	86.0	85.4	79.8	79.9	-
Broadwoven fabric mills, synthetics .....	222	83.1	83.2	81.5	80.8	-	73.5	73.5	71.6	70.8	-
Broadwoven fabric mills, wool .....	223	18.1	17.9	17.2	17.2	-	14.5	14.4	13.8	13.7	-
Narrow fabric mills .....	224	24.6	24.4	24.3	24.2	-	20.8	20.5	20.6	20.5	-
Knitting mills .....	225	213.0	210.3	203.1	198.9	-	186.2	183.9	176.8	172.7	-
Women's hosiery, except socks .....	2251	32.6	32.5	32.3	32.2	-	29.0	29.0	28.8	28.8	-
Hosiery, nec .....	2252	39.9	39.6	37.7	37.5	-	36.0	35.9	33.6	33.3	-
Knit outerwear mills .....	2253	65.5	63.3	61.1	58.2	-	57.7	55.7	53.1	50.4	-
Knit underwear mills .....	2254	28.6	28.5	27.0	26.6	-	24.2	24.0	23.2	22.7	-
Weft knit fabric mills .....	2257	27.6	27.5	26.5	25.9	-	24.0	23.9	22.9	22.4	-
Textile finishing, except wool .....	226	61.4	61.4	59.9	59.9	-	49.7	49.7	48.8	48.5	-
Finishing plants, cotton .....	2261	25.7	25.9	25.3	25.4	-	20.6	20.7	20.5	20.5	-
Finishing plants, synthetics .....	2262	23.6	23.4	23.0	23.0	-	18.8	18.8	18.5	18.3	-
Carpets and rugs .....	227	64.4	65.8	64.1	63.9	-	52.6	53.9	52.7	52.4	-
Yarn and thread mills .....	228	104.7	104.3	98.7	96.7	-	94.1	93.4	88.2	85.9	-
Yarn spinning mills .....	2281	83.1	82.9	78.8	77.2	-	74.9	74.3	70.6	69.1	-
Throwing and winding mills .....	2282	15.0	14.9	14.0	13.6	-	13.3	13.2	12.3	11.5	-
Miscellaneous textile goods .....	229	51.7	50.9	50.8	50.2	-	40.0	39.0	38.8	38.4	-
Apparel and other textile products .....	23	1,062.5	1,045.2	1,016.0	1,004.9	988.6	893.7	878.9	850.0	838.8	823.5
Men's and boys' suits and coats .....	231	52.4	51.7	48.6	49.8	-	44.5	44.0	40.8	41.7	-
Men's and boys' furnishings .....	232	283.9	281.0	262.8	262.1	-	245.1	242.4	225.4	224.6	-
Men's and boys' shirts .....	2321	67.4	66.5	59.2	59.6	-	57.3	56.5	50.4	51.2	-
Men's and boys' trousers and slacks .....	2325	87.0	86.4	81.1	81.7	-	76.6	75.6	70.0	70.4	-
Men's and boys' work clothing .....	2326	46.4	45.2	43.7	44.3	-	40.4	39.2	37.8	38.3	-
Women's and misses' outerwear .....	233	332.6	328.8	325.6	320.9	-	277.8	274.5	272.2	267.6	-
Women's and misses' blouses and shirts .....	2331	41.1	40.6	38.6	38.3	-	33.7	33.2	31.6	31.2	-
Women's, juniors', and misses' dresses .....	2335	72.7	73.1	70.1	67.7	-	60.3	60.5	57.4	55.2	-
Women's and misses' suits and coats .....	2337	35.5	34.3	40.2	38.1	-	29.2	28.1	33.4	31.5	-
Women's and misses' outerwear, nec .....	2339	183.3	180.8	176.7	176.8	-	154.6	152.7	149.8	149.7	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
<b>Apparel and other textile products—Continued</b>											
Women's and children's undergarments .....	234	63.9	63.2	61.7	60.6	-	52.8	52.4	50.2	49.3	-
Women's and children's underwear .....	2341	50.3	50.1	49.4	48.3	-	43.5	43.4	41.9	40.9	-
Brassieres, girdles, and allied garments .....	2342	13.6	13.1	12.3	12.3	-	9.3	9.0	8.3	8.4	-
Girls' and children's outerwear .....	236	59.8	59.2	56.1	55.5	-	49.9	49.9	47.5	46.7	-
Girls' and children's dresses and blouses .....	2361	23.0	23.1	22.7	22.8	-	19.9	20.2	19.9	19.9	-
Misc. apparel and accessories .....	238	44.2	43.5	43.2	40.9	-	36.5	35.8	35.7	33.3	-
Misc. fabricated textile products .....	239	207.6	199.8	199.8	197.2	-	172.3	165.0	163.3	161.0	-
Curtains and draperies .....	2391	25.6	25.2	23.5	22.9	-	21.2	20.9	19.3	18.8	-
House furnishings, nec .....	2392	57.3	55.7	56.1	55.0	-	48.3	46.8	46.8	45.7	-
Automotive and apparel trimmings .....	2396	46.8	42.6	45.6	45.5	-	38.6	34.8	36.9	36.9	-
Paper and allied products .....	26	698.8	693.6	696.3	695.7	691.9	524.2	520.2	523.2	521.6	521.2
Paper mills .....	262	177.9	177.2	176.7	177.2	-	134.3	133.7	133.4	133.7	-
Paperboard mills .....	263	51.9	51.9	50.5	50.6	-	39.8	39.8	39.3	39.3	-
Paperboard containers and boxes .....	265	210.5	208.9	210.4	209.7	-	162.3	161.1	162.7	161.8	-
Corrugated and solid fiber boxes .....	2653	118.8	118.6	119.2	118.9	-	89.3	89.2	89.4	89.2	-
Sanitary food containers .....	2656	14.5	14.7	14.9	15.1	-	12.2	12.4	12.5	12.6	-
Folding paperboard boxes .....	2657	50.8	50.2	51.0	50.7	-	40.4	40.1	41.2	40.8	-
Misc. converted paper products .....	267	241.8	239.0	241.9	241.3	-	174.7	172.5	175.0	173.8	-
Paper, coated and laminated, nec .....	2672	44.4	43.6	44.6	45.0	-	21.6	21.0	21.5	21.8	-
Bags: plastics, laminated, and coated .....	2673	33.8	33.7	34.4	34.6	-	25.4	25.5	26.0	25.9	-
Envelopes .....	2677	27.3	27.4	26.8	26.9	-	21.2	21.2	20.8	20.9	-
Printing and publishing .....	27	1,581.5	1,576.5	1,578.7	1,578.3	1,567.5	879.8	874.6	872.3	872.3	866.0
Newspapers .....	271	477.5	475.5	478.2	477.0	-	167.5	165.2	166.5	166.8	-
Periodicals .....	272	129.8	129.7	132.5	132.1	-	47.3	47.6	49.0	48.5	-
Books .....	273	122.0	121.3	118.8	120.9	-	66.3	66.8	62.3	64.3	-
Book publishing .....	2731	85.8	85.8	84.4	85.2	-	37.2	37.7	34.4	35.2	-
Book printing .....	2732	36.2	35.5	34.4	35.7	-	29.1	29.1	27.9	29.1	-
Miscellaneous publishing .....	274	83.5	83.0	83.0	83.5	-	42.4	42.2	41.8	42.1	-
Commercial printing .....	275	553.5	552.2	551.7	551.1	-	402.9	399.8	400.9	399.9	-
Commercial printing, lithographic .....	2752	365.2	364.0	366.4	366.1	-	265.2	263.6	266.4	265.5	-
Commercial printing, nec .....	2759	172.8	172.6	169.9	169.8	-	125.5	124.0	122.2	122.2	-
Manifold business forms .....	276	49.7	49.5	48.1	48.1	-	34.5	34.5	33.6	33.6	-
Blankbooks and bookbinding .....	278	75.9	75.9	74.1	73.3	-	58.5	58.3	56.9	55.9	-
Printing trade services .....	279	64.6	64.4	64.3	64.4	-	47.7	47.7	47.1	47.0	-
Chemicals and allied products .....	28	1,078.4	1,074.8	1,083.3	1,085.7	1,079.1	603.4	599.9	592.2	593.3	588.5
Industrial inorganic chemicals .....	281	133.2	133.8	134.5	134.2	-	69.4	69.1	68.3	68.4	-
Industrial inorganic chemicals, nec .....	2819	90.0	90.0	90.5	90.3	-	47.8	47.3	47.3	47.0	-
Plastics materials and synthetics .....	282	184.7	184.9	183.8	183.5	-	119.8	119.5	116.0	115.6	-
Plastics materials and resins .....	2821	89.2	89.2	88.2	88.3	-	52.2	52.2	51.4	51.6	-
Organic fibers, noncellulosic .....	2824	66.4	66.3	65.5	65.2	-	47.1	46.6	44.3	43.9	-
Drugs .....	283	235.8	235.3	240.9	243.0	-	105.3	105.1	107.2	107.9	-
Pharmaceutical preparations .....	2834	196.1	196.1	199.0	200.7	-	88.1	88.0	90.6	91.5	-
Soap, cleaners, and toilet goods .....	284	159.2	156.6	157.0	158.8	-	98.3	97.1	95.7	97.3	-
Soap and other detergents .....	2841	44.4	43.0	44.8	45.7	-	28.0	27.5	28.8	29.7	-
Polishing, sanitation, and finishing preparations .....	2842,3	44.0	44.0	44.7	44.4	-	23.7	23.8	24.0	23.7	-
Toilet preparations .....	2844	70.8	69.6	67.5	68.7	-	46.6	45.8	42.9	43.9	-
Paints and allied products .....	285	62.5	62.2	62.0	61.9	-	31.6	31.2	31.3	31.1	-
Industrial organic chemicals .....	286	151.4	151.4	152.5	152.3	-	87.2	86.6	82.5	82.2	-
Cyclic crudes and intermediates .....	2865	29.1	28.9	29.4	29.4	-	17.4	17.3	17.6	17.5	-
Industrial organic chemicals, nec .....	2869	117.9	118.1	118.9	118.8	-	66.8	66.2	62.1	61.9	-
Agricultural chemicals .....	287	52.3	52.4	52.4	52.5	-	32.4	32.7	32.0	32.0	-
Miscellaneous chemical products .....	289	99.3	98.2	100.2	99.5	-	59.4	58.6	59.2	58.8	-
Petroleum and coal products .....	29	155.1	153.3	161.6	159.0	155.5	100.7	99.3	106.1	103.2	99.5
Petroleum refining .....	291	118.3	118.3	120.7	120.9	-	75.4	75.5	76.9	76.9	-
Asphalt paving and roofing materials .....	295	24.9	23.1	28.6	25.9	-	18.6	17.1	22.0	19.2	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>2</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>2</sup>
<b>Nondurable goods—Continued</b>											
Rubber and misc. plastics products .....	30	874.8	865.2	858.0	851.8	845.7	679.0	669.9	662.7	656.1	649.8
Tires and inner tubes .....	301	85.6	85.5	86.1	86.4	-	63.7	63.2	62.8	62.9	-
Rubber and plastics footwear .....	302	11.1	10.9	10.9	10.8	-	9.0	8.8	8.8	8.6	-
Hose, belting, gaskets, and packing .....	305	58.1	57.3	57.1	57.0	-	42.5	41.9	41.4	41.4	-
Rubber and plastics hose and belting .....	3052	25.4	25.2	24.2	24.1	-	19.0	18.9	18.1	18.2	-
Fabricated rubber products, nec .....	306	106.7	105.6	101.2	99.8	-	80.5	79.7	76.0	74.6	-
Miscellaneous plastics products, nec .....	308	613.3	605.9	602.7	597.8	-	483.3	476.3	473.7	468.6	-
Leather and leather products .....	31	132.1	130.1	121.6	119.0	116.4	109.4	107.9	99.2	96.7	94.6
Leather tanning and finishing .....	311	15.0	14.9	13.6	13.5	-	12.6	12.4	11.0	11.0	-
Footwear, except rubber .....	314	73.7	72.7	68.1	66.5	-	62.7	61.9	57.5	55.9	-
Men's footwear, except athletic .....	3143	32.5	32.2	28.9	28.5	-	26.5	26.4	23.6	23.0	-
Women's footwear, except athletic .....	3144	26.8	26.7	25.5	25.4	-	23.7	23.7	21.8	21.8	-
Luggage .....	316	11.1	11.0	10.4	10.2	-	8.1	8.1	7.1	6.9	-
Handbags and personal leather goods .....	317	15.0	14.2	12.9	12.6	-	11.8	11.2	9.9	9.6	-
<b>Transportation and public utilities .....</b>		<b>5,823</b>	<b>5,724</b>	<b>5,910</b>	<b>5,930</b>	<b>5,818</b>	<b>4,849</b>	<b>4,755</b>	<b>4,918</b>	<b>4,945</b>	<b>4,838</b>
<b>Transportation .....</b>		<b>3,597</b>	<b>3,514</b>	<b>3,697</b>	<b>3,717</b>	<b>3,617</b>	-	-	-	-	-
Railroad transportation .....	40	289.7	284.4	281.7	279.0	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	245.8	240.9	238.5	236.0	-	-	-	-	-	-
Local and interurban passenger transit .....	41	349.8	349.4	366.6	366.3	-	320.2	319.5	337.8	337.8	-
Local and suburban transportation .....	411	131.6	130.9	139.0	138.9	-	117.9	116.6	126.4	126.2	-
Taxicabs .....	412	33.8	33.6	33.5	33.5	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	28.5	28.5	18.0	17.8	-	24.9	25.1	15.8	15.7	-
School buses .....	415	128.0	129.3	145.1	145.7	-	-	-	-	-	-
Trucking and warehousing .....	42	1,674.8	1,598.6	1,688.3	1,707.3	-	1,467.1	1,391.1	1,472.3	1,492.0	-
Trucking and courier services, except air .....	421	1,553.2	1,478.8	1,561.1	1,563.2	-	1,365.8	1,291.5	1,366.4	1,389.4	-
Public warehousing and storage .....	422	117.8	116.0	123.4	120.4	-	98.1	96.4	102.6	99.4	-
Water transportation .....	44	169.6	168.5	164.8	169.5	-	-	-	-	-	-
Water transportation of freight, nec .....	444	13.7	13.8	13.6	13.3	-	-	-	-	-	-
Water transportation services .....	449	111.2	110.8	104.6	109.7	-	99.1	98.6	92.0	97.5	-
Transportation by air .....	45	749.8	749.9	812.7	812.3	-	-	-	-	-	-
Air transportation, scheduled .....	451	622.7	621.3	679.7	678.9	-	-	-	-	-	-
Airports, flying fields, and services .....	458	100.0	101.0	103.8	104.1	-	-	-	-	-	-
Pipelines, except natural gas .....	46	19.1	19.0	19.6	19.8	-	13.7	13.7	14.4	14.5	-
Transportation services .....	47	343.9	344.6	363.5	363.1	-	-	-	-	-	-
Freight transportation arrangement .....	473	130.9	131.1	135.2	134.9	-	105.8	105.5	109.1	108.7	-
<b>Communications and public utilities .....</b>		<b>2,226</b>	<b>2,210</b>	<b>2,213</b>	<b>2,213</b>	<b>2,201</b>	-	-	-	-	-
<b>Communications .....</b>	<b>48</b>	<b>1,294.0</b>	<b>1,280.4</b>	<b>1,269.8</b>	<b>1,269.3</b>	-	<b>962.8</b>	<b>954.8</b>	<b>949.6</b>	<b>952.4</b>	-
Telephone communications .....	481	899.5	888.4	871.9	870.8	-	643.9	638.1	626.9	629.4	-
Radio and television broadcasting .....	483	234.6	233.3	234.7	235.1	-	193.4	192.4	193.9	194.0	-
Radio broadcasting stations .....	4832	121.4	120.9	121.3	121.3	-	-	-	-	-	-
Television broadcasting stations .....	4833	113.2	112.4	113.4	113.8	-	-	-	-	-	-
Cable and other pay television services .....	484	122.8	123.1	128.0	128.8	-	102.6	102.7	107.4	108.2	-
Electric, gas, and sanitary services .....	49	932.0	929.3	943.5	943.8	-	736.2	734.5	745.7	745.5	-
Electric services .....	491	441.2	440.7	440.8	441.1	-	338.3	339.1	340.1	340.5	-
Gas production and distribution .....	492	165.2	164.6	167.9	167.9	-	129.1	128.5	131.0	131.2	-
Combination utility services .....	493	191.4	191.2	192.1	191.9	-	154.7	154.1	154.4	153.8	-
Sanitary services .....	495	105.2	104.0	113.1	113.2	-	91.4	90.5	97.0	96.8	-
<b>Wholesale trade .....</b>		<b>6,346</b>	<b>6,308</b>	<b>6,353</b>	<b>6,328</b>	<b>6,266</b>	<b>5,099</b>	<b>5,067</b>	<b>5,094</b>	<b>5,070</b>	<b>5,009</b>
<b>Durable goods .....</b>	<b>50</b>	<b>3,768</b>	<b>3,753</b>	<b>3,742</b>	<b>3,734</b>	<b>3,700</b>	<b>3,006</b>	<b>2,994</b>	<b>2,966</b>	<b>2,959</b>	-
Motor vehicles, parts, and supplies .....	501	452.3	449.5	447.2	446.3	-	366.2	363.4	360.6	360.0	-
Automobiles and other motor vehicles .....	5012	122.4	121.4	121.0	120.9	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	261.0	260.0	258.3	257.9	-	-	-	-	-	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Wholesale trade—Continued</b>											
<b>Durable goods—Continued</b>											
Furniture and home furnishings .....	502	157.3	155.8	151.0	149.6	-	127.3	126.0	121.8	120.1	-
Furniture .....	5021	71.5	71.1	67.8	67.5	-	-	-	-	-	-
Home furnishings .....	5023	85.8	84.7	83.2	82.1	-	-	-	-	-	-
Lumber and other construction materials .....	503	238.3	233.8	239.5	236.4	-	193.9	190.7	194.4	191.5	-
Lumber, plywood, and millwork .....	5031	123.9	123.0	123.1	122.1	-	-	-	-	-	-
Construction materials, nec .....	5039	49.6	48.1	49.7	49.2	-	-	-	-	-	-
Professional and commercial equipment .....	504	799.1	797.5	784.8	786.1	-	644.5	644.1	631.9	632.9	-
Computers, peripherals and software .....	5045	315.1	315.4	299.4	300.0	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	144.0	144.2	140.7	139.9	-	113.9	114.2	111.1	110.2	-
Electrical goods .....	506	536.2	536.7	543.4	543.5	-	407.3	407.6	402.3	404.0	-
Electrical apparatus and equipment .....	5063	206.4	207.6	210.8	211.1	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	69.9	70.0	69.0	68.8	-	-	-	-	-	-
Electronic parts and equipment .....	5065	259.9	259.1	263.6	263.6	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	285.4	284.8	279.8	278.5	-	230.5	229.5	225.1	223.7	-
Hardware .....	5072	97.0	96.7	95.2	94.8	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	120.0	119.4	116.2	115.7	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	843.3	846.3	849.9	847.9	-	670.8	673.3	673.7	672.1	-
Construction and mining machinery .....	5082	86.9	86.5	85.3	85.1	-	-	-	-	-	-
Farm and garden machinery .....	5083	116.5	116.5	118.7	117.5	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	360.8	361.7	361.4	359.9	-	-	-	-	-	-
Industrial supplies .....	5085	150.3	150.8	152.5	152.8	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	311.9	304.7	305.6	305.6	-	252.0	245.3	244.8	244.1	-
Scrap and waste materials .....	5093	112.6	112.1	113.4	112.8	-	-	-	-	-	-
<b>Nondurable goods .....</b>	<b>51</b>	<b>2,578</b>	<b>2,555</b>	<b>2,611</b>	<b>2,594</b>	<b>2,566</b>	<b>2,093</b>	<b>2,073</b>	<b>2,128</b>	<b>2,111</b>	<b>-</b>
Paper and paper products .....	511	230.5	231.9	231.6	231.6	-	184.8	186.5	186.8	186.6	-
Drugs, proprietaries, and sundries .....	512	189.1	188.0	190.1	189.9	-	158.5	157.0	159.6	159.1	-
Apparel, piece goods, and notions .....	513	211.7	210.6	213.2	209.8	-	164.1	164.3	168.7	165.2	-
Groceries and related products .....	514	848.3	839.4	854.9	847.4	-	713.8	704.3	716.9	709.8	-
Groceries, general line .....	5141	273.7	273.7	278.8	279.7	-	-	-	-	-	-
Meats and meat products .....	5147	64.2	63.7	64.0	63.8	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	100.2	97.0	101.5	99.1	-	-	-	-	-	-
Chemicals and allied products .....	516	127.9	128.7	129.2	130.0	-	91.0	92.4	92.5	92.9	-
Petroleum and petroleum products .....	517	212.5	211.5	214.2	213.7	-	166.8	166.9	169.8	169.2	-
Petroleum bulk stations and terminals .....	5171	92.6	92.1	95.9	95.6	-	-	-	-	-	-
Petroleum products, nec .....	5172	119.9	119.4	118.3	118.1	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	151.4	149.3	156.5	156.8	-	123.6	121.8	128.7	129.0	-
Beer and ale .....	5181	95.2	94.2	99.0	99.3	-	-	-	-	-	-
Wine and distilled beverages .....	5182	56.2	55.1	57.5	57.5	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	480.5	473.0	495.4	491.6	-	366.4	379.3	401.1	398.0	-
Farm supplies .....	5191	155.2	155.1	163.4	161.3	-	-	-	-	-	-
<b>Retail trade .....</b>	<b>52</b>	<b>20,335</b>	<b>19,518</b>	<b>20,055</b>	<b>20,313</b>	<b>19,491</b>	<b>18,082</b>	<b>17,283</b>	<b>17,775</b>	<b>18,025</b>	<b>17,194</b>
Building materials and garden supplies .....	52	783.0	758.3	778.2	773.1	-	649.8	626.4	643.8	639.2	-
Lumber and other building materials .....	521	437.0	428.3	427.8	421.9	-	368.7	360.0	359.4	354.1	-
Hardware stores .....	525	167.6	163.9	169.7	171.4	-	138.8	135.4	139.8	141.3	-
General merchandise stores .....	53	2,815.2	2,600.5	2,607.5	2,683.1	2,489.4	2,652.3	2,440.3	2,446.3	2,525.5	-
Department stores .....	531	2,327.3	2,161.4	2,158.7	2,210.9	-	2,207.1	2,042.3	2,040.2	2,097.4	-
Variety stores .....	533	238.9	217.7	220.8	230.7	-	221.4	200.5	202.5	212.0	-
Miscellaneous general merchandise stores .....	539	249.0	221.4	228.0	241.5	-	223.8	197.5	203.6	216.1	-
Food stores .....	54	3,317.1	3,254.0	3,356.6	3,384.6	3,317.1	3,057.2	2,994.3	3,086.7	3,110.9	-
Grocery stores .....	541	2,921.2	2,894.9	2,956.9	2,965.8	-	2,705.3	2,678.5	2,735.7	2,742.4	-
Meat and fish markets .....	542	58.5	56.4	60.8	66.0	-	-	-	-	-	-
Dairy products stores .....	545	30.6	22.9	30.3	32.6	-	-	-	-	-	-
Retail bakeries .....	546	179.4	173.9	182.0	183.0	-	161.2	155.3	162.4	163.0	-
Automotive dealers and service stations .....	55	2,099.9	2,091.4	2,123.3	2,105.8	2,081.4	1,749.7	1,740.3	1,765.1	1,748.1	-
New and used car dealers .....	551	943.5	939.2	952.6	943.4	-	783.8	779.6	790.2	781.4	-
Auto and home supply stores .....	553	350.9	348.1	362.1	358.8	-	281.7	278.4	290.1	286.3	-
Gasoline service stations .....	554	642.3	639.9	635.4	634.1	-	554.8	552.8	547.7	546.6	-
Automotive dealers, nec .....	559	12.2	12.5	14.9	14.8	-	10.1	10.3	12.2	12.1	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores .....	56	1,295.8	1,196.2	1,166.0	1,215.7	-	1,101.6	1,008.3	979.3	1,026.6	-
Men's and boys' clothing stores .....	561	121.4	110.3	102.4	109.1	-	99.5	88.8	82.8	89.2	-
Women's clothing stores .....	562	448.0	414.1	400.2	414.5	-	377.3	345.4	334.0	347.5	-
Family clothing stores .....	565	321.0	290.0	288.2	307.4	-	281.7	252.4	250.5	269.2	-
Shoe stores .....	566	238.8	228.8	220.7	224.1	-	200.6	191.5	180.8	183.4	-
Furniture and home furnishings stores .....	57	866.2	845.1	839.4	851.5	-	717.6	695.4	688.5	701.5	-
Furniture and home furnishings stores .....	571	484.7	475.0	473.4	477.3	-	397.5	387.9	385.1	389.3	-
Furniture stores .....	5712	293.7	289.3	287.9	289.2	-	-	-	-	-	-
Household appliance stores .....	572	86.3	85.0	76.0	75.6	-	72.2	71.1	62.7	62.2	-
Radio, television, and computer stores .....	573	295.2	285.1	290.0	298.6	-	247.9	236.4	240.7	250.0	-
Radio, television, and electronic stores .....	5731	130.0	125.0	130.8	134.3	-	110.3	105.8	111.5	114.8	-
Record and prerecorded tape stores .....	5735	67.7	62.6	62.5	67.8	-	59.5	53.0	52.6	59.0	-
Eating and drinking places .....	58	6,487.6	6,251.4	6,574.1	6,611.5	6,354.1	5,884.4	5,656.0	5,959.5	5,990.3	-
Miscellaneous retail establishments .....	59	2,670.4	2,521.5	2,610.2	2,687.8	-	2,269.1	2,122.3	2,206.1	2,282.8	-
Drug stores and proprietary stores .....	591	631.3	619.7	628.8	638.7	-	536.5	522.8	531.9	539.3	-
Liquor stores .....	592	127.4	122.0	125.0	127.3	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	1,011.3	914.5	955.6	1,012.6	-	864.3	768.8	807.1	864.4	-
Sporting goods and bicycle shops .....	5941	175.5	166.2	175.2	180.5	-	-	-	-	-	-
Book stores .....	5942	96.9	97.7	98.7	102.1	-	-	-	-	-	-
Stationery stores .....	5943	85.3	85.3	83.1	84.5	-	-	-	-	-	-
Jewelry stores .....	5944	175.8	161.8	162.0	173.3	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	200.1	179.8	189.7	196.7	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	65.3	63.5	68.5	68.1	-	-	-	-	-	-
Nonstore retailers .....	596	293.3	277.0	281.9	277.0	-	261.1	246.1	250.8	246.9	-
Catalog and mail-order houses .....	5961	156.7	145.1	152.0	149.9	-	-	-	-	-	-
Merchandising machine operators .....	5962	85.2	84.4	81.7	81.3	-	-	-	-	-	-
Fuel dealers .....	598	117.4	119.1	115.4	117.2	-	98.7	100.4	96.2	98.0	-
Retail stores, nec .....	599	423.4	402.9	432.3	443.3	-	349.1	329.3	357.8	369.2	-
<b>Finance, insurance, and real estate<sup>2</sup></b> .....		<b>6,768</b>	<b>6,736</b>	<b>6,811</b>	<b>6,813</b>	<b>6,765</b>	<b>4,912</b>	<b>4,882</b>	<b>4,927</b>	<b>4,923</b>	<b>4,879</b>
Finance .....		3,329	3,317	3,334	3,339	3,317	-	-	-	-	-
Depository institutions .....	60	2,302.4	2,295.2	2,293.6	2,296.7	-	1,671.7	1,664.1	1,659.5	1,662.7	-
Commercial banks .....	602	1,560.8	1,555.8	1,555.1	1,580.7	-	1,109.9	1,104.4	1,103.2	1,107.9	-
State commercial banks .....	6022	668.4	668.7	666.7	665.9	-	-	-	-	-	-
Savings institutions .....	603	483.8	479.7	480.7	457.6	-	-	-	-	-	-
Federal savings institutions .....	6035	241.9	238.9	231.1	228.3	-	-	-	-	-	-
Savings institutions, except federal .....	6036	241.9	240.8	229.6	229.3	-	-	-	-	-	-
Credit unions .....	606	133.0	133.4	136.9	137.5	-	106.6	107.0	109.7	110.2	-
Nondepository institutions .....	61	369.7	369.5	371.7	372.3	-	268.1	268.0	269.9	270.8	-
Personal credit institutions .....	614	129.7	130.1	132.5	133.4	-	97.8	98.0	99.5	100.5	-
Business credit institutions .....	615	81.0	81.1	82.7	82.8	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	149.4	148.8	147.4	146.9	-	-	-	-	-	-
Security and commodity brokers .....	62	427.6	426.4	421.5	420.2	-	-	-	-	-	-
Security brokers and dealers .....	621	327.7	326.2	318.2	317.1	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	26.1	26.1	25.2	25.1	-	-	-	-	-	-
Security and commodity services .....	628	73.8	74.1	78.1	78.0	-	47.8	47.5	48.6	48.4	-
Holding and other investment offices .....	67	229.3	225.4	247.5	249.7	-	-	-	-	-	-
Insurance .....	63,64	2,117	2,122	2,147	2,149	2,155	-	-	-	-	-
Insurance carriers .....	63	1,459.0	1,465.3	1,485.8	1,488.3	-	977.5	982.2	1,000.3	1,001.4	-
Life insurance .....	631	555.5	558.8	557.9	559.4	-	342.4	344.2	340.5	341.0	-
Medical service and health insurance .....	632	235.0	236.8	250.5	251.5	-	190.4	191.3	203.7	204.2	-
Fire, marine, and casualty insurance .....	633	551.2	552.2	561.1	562.0	-	354.4	356.0	366.4	367.2	-
Title insurance .....	636	64.6	65.1	62.2	61.1	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	658.3	656.5	660.9	660.3	-	-	-	-	-	-

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate .....	65	1,322	1,297	1,330	1,325	1,293	-	-	-	-	-
Real estate operators and lessors .....	651	560.6	545.2	580.4	581.9	-	-	-	-	-	
Real estate agents and managers .....	653	576.5	569.3	563.1	561.6	-	-	-	-	-	
Subdividers and developers .....	655	153.0	150.5	154.9	149.5	-	-	-	-	-	
<b>Services .....</b>		<b>27,512</b>	<b>27,254</b>	<b>28,519</b>	<b>28,442</b>	<b>28,054</b>	<b>24,036</b>	<b>23,750</b>	<b>24,875</b>	<b>24,787</b>	<b>24,387</b>
Hotels and other lodging places .....	70	1,553.9	1,529.0	1,570.0	1,546.1	-	-	-	-	-	
Hotels and motels .....	701	1,511.8	1,487.4	1,523.2	1,501.4	-	1,340.5	1,314.7	1,344.2	1,324.5	
Personal services .....	72	1,074.9	1,099.8	1,089.2	1,094.9	-	-	-	-	-	
Laundry, cleaning, and garment services .....	721	423.2	420.3	433.1	432.6	-	376.8	374.7	384.5	384.0	
Photographic studios, portrait .....	722	73.6	66.2	80.4	76.9	-	-	-	-	-	
Beauty shops .....	723	373.2	368.3	379.2	381.1	-	334.0	328.5	340.0	342.2	
Funeral service and crematories .....	726	82.5	83.1	85.1	86.1	-	-	-	-	-	
Miscellaneous personal services .....	729	97.8	137.6	87.1	94.4	-	84.8	121.1	74.6	81.7	
Business services .....	73	5,007.5	4,909.9	5,081.5	5,035.4	4,898.5	4,404.2	4,301.5	4,447.9	4,394.5	
Advertising .....	731	238.7	237.4	238.9	238.8	-	175.4	173.1	169.4	168.3	
Advertising agencies .....	7311	172.7	171.7	171.7	171.6	-	-	-	-	-	
Credit reporting and collection .....	732	103.4	102.9	104.9	104.9	-	-	-	-	-	
Mailing, reproduction, and stenographic services .....	733	242.7	241.4	264.9	266.3	-	-	-	-	-	
Services to buildings .....	734	794.7	792.3	790.5	781.1	-	723.0	720.2	716.7	707.6	
Personnel supply services .....	736	1,435.6	1,355.3	1,402.1	1,363.6	-	-	-	-	-	
Employment agencies .....	7361	236.2	228.6	229.8	222.9	-	-	-	-	-	
Help supply services .....	7363	1,199.4	1,126.7	1,172.3	1,140.7	-	1,164.8	1,088.6	1,130.1	1,098.4	
Computer and data processing services .....	737	777.6	781.1	817.1	823.0	-	606.0	607.6	637.7	641.9	
Prepackaged software .....	7372	106.8	109.2	117.4	118.2	-	-	-	-	-	
Data processing and preparation .....	7374	209.8	208.8	210.3	213.0	-	-	-	-	-	
Miscellaneous business services .....	738	1,205.5	1,193.4	1,244.6	1,242.3	-	1,066.4	1,055.4	1,103.1	1,096.4	
Detective and armored car services .....	7381	445.6	439.6	464.4	460.6	-	418.5	413.0	436.9	430.9	
Photofinishing laboratories .....	7384	85.6	80.7	86.2	85.1	-	-	-	-	-	
Auto repair, services, and parking .....	75	899.7	907.8	926.3	917.4	-	743.7	751.3	764.0	757.9	
Automotive rentals, without drivers .....	751	181.1	182.7	195.6	191.6	-	-	-	-	-	
Automotive repair shops .....	753	518.2	521.3	532.4	529.8	-	425.8	427.9	436.1	433.6	
Miscellaneous repair services .....	76	380.4	377.8	386.6	386.3	-	312.8	309.6	317.6	316.7	
Electrical repair shops .....	762	123.6	124.1	132.9	133.7	-	-	-	-	-	
Motion pictures .....	78	386.2	383.7	400.5	405.4	-	324.6	321.7	337.2	339.2	
Motion picture production and services .....	781	141.8	138.7	165.0	165.6	-	114.6	111.7	135.4	133.2	
Motion picture theaters .....	783	110.4	108.8	104.2	107.6	-	-	-	-	-	
Amusement and recreation services .....	79	1,000.4	970.9	1,013.2	1,027.8	-	876.2	846.2	881.5	897.7	
Misc. amusement and recreation services .....	799	660.3	647.2	650.2	666.3	-	577.1	563.9	563.9	579.8	
Health services .....	80	7,781.5	7,815.6	8,334.7	8,384.4	8,407.0	6,916.7	6,943.9	7,410.5	7,450.2	
Offices and clinics of medical doctors .....	801	1,339.2	1,347.4	1,457.0	1,466.4	-	1,105.1	1,111.0	1,202.7	1,209.6	
Offices and clinics of dentists .....	802	511.2	512.7	530.7	534.0	-	447.2	449.4	465.8	466.7	
Nursing and personal care facilities .....	805	1,404.9	1,406.6	1,500.0	1,510.9	-	1,269.2	1,269.7	1,354.5	1,365.1	
Skilled nursing care facilities .....	8051	970.1	969.6	1,033.5	1,040.4	-	-	-	-	-	
Nursing and personal care, nec .....	8059	235.5	236.1	252.1	254.7	-	-	-	-	-	
Hospitals .....	806	3,556.2	3,574.3	3,761.7	3,776.2	-	3,252.7	3,269.2	3,446.5	3,459.2	
General medical and surgical hospitals .....	8062	3,288.4	3,306.2	3,479.9	3,493.3	-	-	-	-	-	
Psychiatric hospitals .....	8063	99.4	98.9	101.4	101.6	-	-	-	-	-	
Specialty hospitals, excluding psychiatric .....	8069	168.4	169.2	180.4	181.3	-	-	-	-	-	
Medical and dental laboratories .....	807	171.6	172.1	185.8	187.6	-	-	-	-	-	
Home health care services .....	808	269.6	270.7	315.3	319.3	-	249.2	250.1	291.1	294.8	

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 <sup>1</sup>				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Services—Continued</b>											
Legal services .....	81	910.5	911.6	938.2	938.9	-	751.2	751.5	771.4	771.0	-
Educational services .....	82	1,787.8	1,673.6	1,846.2	1,812.0	-	-	-	-	-	-
Elementary and secondary schools .....	821	462.3	462.5	470.0	469.8	-	-	-	-	-	-
Colleges and universities .....	822	1,116.6	1,008.5	1,162.7	1,131.6	-	-	-	-	-	-
Vocational schools .....	824	98.6	94.0	93.7	92.5	-	-	-	-	-	-
Social services .....	83	1,778.6	1,776.1	1,900.2	1,910.8	-	-	-	-	-	-
Individual and family services .....	832	444.0	440.1	459.8	462.3	-	-	-	-	-	-
Job training and related services .....	833	240.8	239.3	239.8	239.8	-	-	-	-	-	-
Residential care .....	836	445.4	448.2	496.0	501.2	-	-	-	-	-	-
Museums and botanical and zoological gardens .....	84	59.0	56.8	61.4	61.2	-	-	-	-	-	-
Membership organizations .....	86	1,815.4	1,791.8	1,832.8	1,835.7	-	-	-	-	-	-
Business associations .....	861	101.3	100.3	101.0	100.9	-	-	-	-	-	-
Labor organizations .....	863	136.2	130.4	134.8	137.2	-	-	-	-	-	-
Civic and social associations .....	864	408.8	392.2	415.7	417.3	-	-	-	-	-	-
Engineering and management services .....	87	2,403.4	2,408.3	2,428.9	2,416.8	-	1,843.5	1,836.8	1,849.3	1,839.3	-
Engineering and architectural services .....	871	783.7	781.2	788.5	781.7	-	644.1	641.7	646.1	640.5	-
Accounting, auditing, and bookkeeping .....	872	527.0	543.6	528.2	526.4	-	398.8	412.8	392.4	391.4	-
Research and testing services .....	873	534.3	529.9	546.7	543.5	-	393.2	380.6	398.4	395.9	-
Commercial physical research .....	8731	223.1	223.2	226.9	225.8	-	-	-	-	-	-
Noncommercial research organizations .....	8733	144.5	142.4	147.5	148.9	-	-	-	-	-	-
Management and public relations .....	874	558.4	553.6	565.5	565.2	-	407.4	401.7	412.4	411.5	-
Services, nec .....	89	39.9	39.1	38.7	38.6	-	31.1	30.2	30.5	30.4	-
<b>Government .....</b>		<b>18,225</b>	<b>17,963</b>	<b>18,714</b>	<b>18,623</b>	<b>18,245</b>	-	-	-	-	-
<b>Federal Government<sup>2</sup> .....</b>		<b>2,974</b>	<b>2,980</b>	<b>2,949</b>	<b>2,945</b>	<b>2,921</b>	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,915.4	2,920.6	2,888.4	-	-	-	-	-	-	-
Department of Defense .....		976.4	972.6	926.7	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		831.4	819.5	811.5	-	-	-	-	-	-	-
Other executive agencies .....		1,107.6	1,128.5	1,150.2	-	-	-	-	-	-	-
Legislative .....		37.3	37.5	37.3	-	-	-	-	-	-	-
Judicial .....		21.7	21.7	23.5	-	-	-	-	-	-	-
<b>Federal Government, by industry</b>											
Manufacturing activities .....		112.5	112.0	104.7	104.2	-	-	-	-	-	-
Ship building and repairing .....	3731	69.7	69.6	64.6	64.0	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		37.4	37.0	38.9	37.6	-	-	-	-	-	-
Services .....		392.4	390.5	389.6	387.8	-	-	-	-	-	-
Hospitals .....	806	227.0	226.8	228.2	228.0	-	-	-	-	-	-
<b>State government .....</b>		<b>4,286</b>	<b>4,182</b>	<b>4,448</b>	<b>4,410</b>	<b>4,261</b>	-	-	-	-	-
Hospitals .....	806	451.7	451.0	456.1	458.5	-	-	-	-	-	-
Education .....	82	1,765.3	1,650.6	1,855.7	1,818.4	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,554.3	1,566.3	1,611.1	1,609.5	-	-	-	-	-	-
<b>Local government .....</b>		<b>10,965</b>	<b>10,821</b>	<b>11,317</b>	<b>11,268</b>	<b>11,063</b>	-	-	-	-	-
Transportation and public utilities .....		467.7	487.9	487.9	487.5	-	-	-	-	-	-
Hospitals .....	806	654.7	656.8	685.8	687.1	-	-	-	-	-	-
Education .....	82	6,242.3	6,111.5	6,453.5	6,445.2	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		3,254.6	3,242.7	3,379.0	3,342.5	-	-	-	-	-	-

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

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

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

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude the Central Intelligence Agency and

the National Security Agency.

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

- Data not available.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates 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  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Oct. 1989	Nov. 1989	Sept. 1990	Oct. 1990	Nov. 1990
<b>Total</b> .....	51,666	52,116	52,543	52,961	53,221
<b>Total private</b> .....	42,114	42,440	42,940	42,985	43,122
<b>Goods-producing</b> .....	7,093	7,076	6,998	6,954	6,883
<b>Mining</b> .....	95	95	99	98	98
<b>Construction</b> .....	564	560	574	571	564
<b>Manufacturing</b> .....	6,434	6,421	6,325	6,285	6,221
<b>Durable goods</b> .....	3,050	3,050	2,970	2,962	2,929
Lumber and wood products .....	121	120	120	118	115
Furniture and fixtures .....	163	164	159	159	156
Stone, clay, and glass products .....	111	111	109	108	107
Primary metal industries .....	104	103	103	102	102
Fabricated metal products .....	322	321	314	314	311
Industrial machinery and equipment .....	464	466	451	452	450
Electronic and other electrical equipment .....	750	749	717	715	710
Transportation equipment .....	407	410	406	402	391
Instruments and related products .....	422	422	409	409	407
Miscellaneous manufacturing .....	187	184	183	183	180
<b>Nondurable goods</b> .....	3,384	3,371	3,355	3,323	3,292
Food and kindred products .....	565	552	580	561	543
Tobacco products .....	17	17	17	17	16
Textile mill products .....	353	351	342	336	337
Apparel and other textile products .....	853	850	814	810	803
Paper and allied products .....	173	173	174	173	172
Printing and publishing .....	687	694	693	695	698
Chemicals and allied products .....	320	320	331	329	327
Petroleum and coal products .....	26	25	27	27	27
Rubber and misc. plastics products .....	311	310	305	305	299
Leather and leather products .....	80	79	74	73	71
<b>Service-producing</b> .....	44,573	45,040	45,545	46,007	46,338
<b>Transportation and public utilities</b> .....	1,646	1,650	1,738	1,745	1,748
<b>Wholesale trade</b> .....	1,945	1,956	1,959	1,965	1,963
<b>Retail trade</b> .....	10,504	10,748	10,524	10,510	10,704
<b>Finance, insurance, and real estate</b> .....	4,232	4,249	4,322	4,312	4,313
<b>Services</b> .....	16,694	16,761	17,399	17,499	17,511
<b>Government</b> .....	9,552	9,676	9,603	9,976	10,099
Federal .....	1,139	1,151	1,245	1,233	1,224
State .....	2,128	2,145	2,109	2,201	2,220
Local .....	6,285	6,380	6,249	6,542	6,655

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  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1989		1990										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>Total</b> .....	51,481	51,607	51,711	51,844	51,968	52,082	52,295	52,507	52,597	52,620	52,642	52,610	52,582
<b>Total private</b> .....	42,099	42,196	42,249	42,347	42,405	42,459	42,538	42,697	42,750	42,812	42,852	42,833	42,786
<b>Goods-producing</b> .....	7,027	7,025	7,001	7,003	6,988	6,983	6,974	6,969	6,964	6,952	6,936	6,896	6,839
<b>Mining</b> .....	95	95	96	97	98	98	98	99	99	100	99	98	98
<b>Construction</b> .....	557	558	562	564	563	563	566	565	564	563	566	564	561
<b>Manufacturing</b> .....	6,375	6,372	6,343	6,342	6,327	6,322	6,310	6,305	6,301	6,289	6,271	6,234	6,180
<b>Durable goods</b> .....	3,028	3,028	3,009	3,017	3,013	3,006	3,001	2,999	2,995	2,977	2,962	2,947	2,911
Lumber and wood products .....	120	120	120	120	120	120	120	120	121	119	118	117	116
Furniture and fixtures .....	162	162	161	161	161	160	160	161	159	161	159	158	154
Stone, clay, and glass products .....	110	110	110	110	110	109	109	108	107	108	109	108	107
Primary metal industries .....	103	103	102	102	103	103	103	103	104	102	102	102	102
Fabricated metal products .....	318	317	314	315	315	315	314	314	315	315	313	312	308
Industrial machinery and equipment .....	465	466	466	466	463	462	460	459	459	457	453	453	449
Electronic and other electrical equipment .....	743	740	738	736	735	733	732	729	726	719	714	711	705
Transportation equipment .....	408	411	398	408	408	408	408	411	411	408	406	402	389
Instruments and related products .....	420	418	418	417	417	416	415	415	413	410	409	407	405
Miscellaneous manufacturing .....	179	181	182	182	181	180	180	179	180	178	179	177	176
<b>Nondurable goods</b> .....	3,347	3,344	3,334	3,325	3,314	3,316	3,309	3,306	3,306	3,312	3,309	3,287	3,269
Food and kindred products .....	540	539	539	537	537	538	537	532	534	536	538	536	532
Tobacco products .....	16	16	16	16	16	15	15	16	16	16	16	15	15
Textile mill products .....	350	348	347	346	344	343	341	341	341	343	340	334	335
Apparel and other textile products .....	844	843	836	827	818	818	814	813	808	811	812	804	797
Paper and allied products .....	172	172	172	173	173	173	173	173	174	174	173	172	172
Printing and publishing .....	692	693	694	694	695	696	696	697	698	697	697	697	696
Chemicals and allied products .....	321	323	324	326	326	327	327	327	329	328	329	329	328
Petroleum and coal products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rubber and misc. plastics products .....	308	306	303	303	303	304	305	306	307	308	306	303	297
Leather and leather products .....	78	78	77	77	76	76	75	75	73	73	72	71	70
<b>Service-producing</b> .....	44,454	44,582	44,710	44,841	44,980	45,099	45,321	45,538	45,633	45,668	45,706	45,714	45,743
<b>Transportation and public utilities</b> .....	1,642	1,677	1,680	1,687	1,690	1,692	1,702	1,713	1,711	1,721	1,731	1,733	1,739
<b>Wholesale trade</b> .....	1,943	1,946	1,949	1,947	1,950	1,949	1,950	1,957	1,956	1,955	1,957	1,953	1,949
<b>Retail trade</b> .....	10,489	10,474	10,497	10,484	10,474	10,483	10,482	10,504	10,518	10,498	10,503	10,479	10,443
<b>Finance, insurance, and real estate</b> .....	4,257	4,267	4,278	4,287	4,295	4,303	4,309	4,314	4,322	4,332	4,326	4,325	4,322
<b>Services</b> .....	16,741	16,807	16,844	16,939	17,008	17,049	17,121	17,240	17,279	17,354	17,399	17,447	17,494
<b>Government</b> .....	9,382	9,411	9,462	9,497	9,563	9,623	9,757	9,810	9,847	9,808	9,790	9,777	9,796
Federal .....	1,150	1,161	1,181	1,189	1,234	1,269	1,366	1,362	1,335	1,272	1,249	1,233	1,223
State .....	2,082	2,075	2,088	2,097	2,104	2,107	2,115	2,134	2,133	2,138	2,145	2,149	2,155
Local .....	6,150	6,175	6,193	6,211	6,225	6,247	6,276	6,314	6,379	6,398	6,396	6,395	6,418

<sup>1</sup> 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 workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

Industry	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>P</sup>	Jan. <sup>P</sup>
<b>Total private</b> .....	74,300	74,512	74,545	74,496	74,651	74,827	74,799	74,779	74,753	74,606	74,342	74,207	74,005
<b>Goods-producing</b> .....	17,662	17,810	17,742	17,667	17,673	17,651	17,613	17,527	17,435	17,314	17,076	17,006	16,790
<b>Mining</b> .....	518	521	523	527	530	537	537	528	528	531	531	534	528
<b>Construction</b> .....	4,135	4,205	4,158	4,094	4,120	4,107	4,066	4,031	4,008	3,934	3,874	3,837	3,672
<b>Manufacturing</b> .....	13,009	13,084	13,061	13,046	13,023	13,007	13,010	12,968	12,899	12,849	12,671	12,635	12,590
<b>Durable goods</b> .....	7,400	7,488	7,479	7,461	7,450	7,439	7,438	7,395	7,337	7,308	7,171	7,150	7,111
Lumber and wood products .....	622	620	620	619	617	612	610	607	606	599	588	584	577
Furniture and fixtures .....	412	411	411	409	408	408	404	406	403	400	390	387	386
Stone, clay, and glass products .....	443	444	440	436	434	432	429	428	426	425	420	418	411
Primary metal industries .....	572	575	573	574	574	574	577	572	570	570	563	558	555
Blast furnaces and basic steel products .....	209	208	207	208	208	207	208	207	207	208	207	206	204
Fabricated metal products .....	1,039	1,044	1,044	1,047	1,045	1,043	1,047	1,046	1,039	1,034	1,021	1,016	1,013
Industrial machinery and equipment .....	1,284	1,280	1,276	1,274	1,274	1,270	1,271	1,263	1,247	1,247	1,238	1,228	1,227
Electronic and other electrical equipment .....	1,086	1,083	1,084	1,082	1,080	1,078	1,073	1,065	1,056	1,052	1,040	1,035	1,027
Transportation equipment .....	1,154	1,244	1,246	1,239	1,238	1,250	1,253	1,239	1,224	1,220	1,156	1,168	1,154
Motor vehicles and equipment .....	543	634	632	628	626	634	633	622	615	614	562	577	565
Instruments and related products .....	503	503	503	502	499	495	493	490	487	484	481	481	484
Miscellaneous manufacturing .....	285	284	282	279	281	277	281	279	279	277	274	275	277
<b>Nondurable goods</b> .....	5,609	5,596	5,582	5,585	5,573	5,568	5,572	5,573	5,562	5,541	5,500	5,485	5,479
Food and kindred products .....	1,185	1,183	1,183	1,188	1,187	1,179	1,182	1,187	1,189	1,190	1,186	1,193	1,195
Tobacco products .....	35	35	35	33	34	34	34	35	35	34	34	35	35
Textile mill products .....	615	612	609	609	604	603	602	602	598	589	589	583	583
Apparel and other textile products .....	886	879	870	869	865	863	860	860	859	854	842	838	830
Paper and allied products .....	524	525	524	525	523	525	526	527	526	525	521	521	525
Printing and publishing .....	875	876	876	875	876	877	880	879	875	874	869	865	866
Chemicals and allied products .....	604	603	601	601	601	600	602	597	597	597	595	595	593
Petroleum and coal products .....	103	104	105	104	104	105	105	105	105	105	106	105	103
Rubber and misc. plastics products .....	673	670	670	673	672	676	677	678	676	673	660	653	653
Leather and leather products .....	109	109	109	108	107	106	104	103	102	100	98	97	96
<b>Service-producing</b> .....	56,638	56,702	56,803	56,829	56,978	57,176	57,186	57,252	57,318	57,292	57,266	57,201	57,215
<b>Transportation and public utilities</b> .....	4,821	4,826	4,833	4,831	4,848	4,866	4,852	4,843	4,868	4,870	4,874	4,896	4,907
<b>Wholesale trade</b> .....	5,116	5,111	5,111	5,109	5,106	5,130	5,118	5,117	5,109	5,095	5,084	5,070	5,060
<b>Retail trade</b> .....	17,550	17,497	17,506	17,517	17,533	17,563	17,588	17,573	17,570	17,525	17,461	17,415	17,456
<b>Finance, insurance, and real estate</b> .....	4,938	4,958	4,960	4,961	4,970	4,970	4,965	4,973	4,964	4,957	4,947	4,933	4,933
<b>Services</b> .....	24,213	24,310	24,393	24,411	24,521	24,647	24,663	24,746	24,807	24,845	24,900	24,887	24,859

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

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates 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.
<b>Private nonfarm payrolls, 356 industries<sup>1</sup></b>												
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	<sup>P</sup> 41.0
1991 .....	<sup>P</sup> 45.1											
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	<sup>P</sup> 34.8	<sup>P</sup> 36.5
1991 .....												
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	<sup>P</sup> 36.7	<sup>P</sup> 35.0		
1991 .....												
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	<sup>P</sup> 43.7	<sup>P</sup> 42.6					
1991 .....												
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
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	<sup>P</sup> 35.6
1991 .....	<sup>P</sup> 39.6											
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	<sup>P</sup> 21.9	<sup>P</sup> 21.9
1991 .....												
Over 6-month span:												
1989 .....	58.5	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	38.1	31.7	28.4	19.8	<sup>P</sup> 22.3	<sup>P</sup> 18.7		
1991 .....												
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	30.8	27.0	21.2	<sup>P</sup> 19.1	<sup>P</sup> 21.6					
1991 .....												

<sup>1</sup> 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.

<sup>P</sup> = 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 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  
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		
	Dec. 1989	Nov. 1990	Dec. 1990*	Dec. 1989	Nov. 1990	Dec. 1990*	Dec. 1989	Nov. 1990	Dec. 1990*
<b>Alabama</b> .....	1,603.1	1,618.6	1,620.2	11.9	12.0	11.7	76.7	77.9	76.9
Birmingham .....	414.9	420.2	421.3	5.6	5.5	5.4	22.5	22.5	22.4
Huntsville .....	133.6	135.6	135.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	5.2	5.4
Mobile .....	171.6	176.0	176.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.1	10.8	10.5
Montgomery .....	134.2	136.6	137.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.9	6.8
Tuscaloosa .....	64.9	66.3	66.4	2.6	2.6	2.5	3.9	4.3	4.3
<b>Alaska</b> .....	221.2	229.1	227.1	9.9	11.0	10.7	8.1	10.1	9.1
<b>Arizona</b> .....	1,507.1	1,541.0	1,549.5	12.5	12.7	12.7	83.7	82.7	81.4
Phoenix .....	995.8	1,018.9	1,024.6	1.0	.8	.8	55.8	55.0	54.2
Tucson .....	256.8	260.2	261.2	2.1	2.3	2.3	14.6	14.5	14.1
<b>Arkansas</b> .....	906.0	929.2	928.6	4.2	4.1	4.0	33.1	32.6	32.5
Fayetteville-Springdale .....	54.7	56.1	56.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.6	1.6
Fort Smith .....	77.6	78.0	77.7	1.0	.9	.9	2.6	2.6	2.5
Little Rock-North Little Rock .....	249.4	252.1	252.5	.4	.4	.4	9.8	9.8	9.8
Pine Bluff .....	34.0	33.2	33.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.1	1.1
<b>California</b> .....	12,804.5	12,887.8	12,919.6	41.9	41.1	41.0	663.3	636.6	624.2
Anaheim-Santa Ana .....	1,220.7	1,223.2	1,224.8	1.4	1.3	1.3	74.2	64.3	62.6
Bakersfield .....	170.6	171.4	172.0	13.8	14.3	14.3	11.1	10.9	11.1
Fresno .....	222.9	238.9	239.9	.7	.7	.7	13.6	15.1	15.0
Los Angeles-Long Beach .....	4,316.0	4,318.3	4,332.3	9.6	9.9	9.9	159.9	153.8	152.9
Modesto .....	115.7	119.5	119.4	.1	.1	.1	8.0	7.9	7.7
Oakland .....	913.5	934.9	938.4	4.1	3.9	3.8	56.1	55.7	54.5
Oxnard-Ventura .....	232.0	233.4	235.2	2.4	2.5	2.5	17.5	17.3	17.0
Riverside-San Bernardino .....	713.6	730.3	734.4	1.4	1.4	1.4	68.9	65.7	63.2
Sacramento .....	615.1	626.5	627.4	.8	.9	.8	37.3	36.2	34.2
San Diego .....	990.1	1,001.1	1,001.7	.8	.8	.8	63.3	61.6	60.9
San Francisco .....	983.7	982.5	989.0	.8	.6	.6	36.8	36.1	35.5
San Jose .....	835.6	832.0	830.9	.2	.2	.2	33.9	33.7	33.1
Santa Barbara-Santa Maria-Lompoc .....	152.1	153.0	153.0	1.4	1.4	1.4	7.1	7.0	7.0
Santa Rosa-Petaluma .....	141.8	148.2	148.9	.7	.7	.7	12.0	11.1	10.6
Stockton .....	152.2	154.9	154.4	.1	.1	.1	8.9	9.2	9.0
Vallejo-Fairfield-Napa .....	136.2	139.8	139.5	.7	.7	.7	10.2	11.0	10.9
<b>Colorado</b> .....	1,493.1	1,524.2	1,532.3	20.0	19.8	19.5	55.6	61.8	58.0
Boulder-Longmont .....	115.5	116.9	118.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.2	4.0
Denver .....	827.6	847.3	848.6	11.8	11.2	11.3	30.4	35.2	33.5
<b>Connecticut</b> .....	1,701.6	1,679.5	1,661.6	1.3	1.3	1.2	71.9	68.4	63.7
Bridgeport-Milford .....	201.3	195.0	195.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	8.1	7.7
Hartford .....	492.1	487.2	484.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.7	19.1	17.8
New Britain .....	66.6	66.2	65.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	4.1	3.4
New Haven-Meriden .....	260.9	254.4	253.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.3	9.7	9.3
Stamford .....	126.8	123.6	124.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	4.8	4.7
Waterbury .....	89.6	84.7	84.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.2	4.1
<b>Delaware</b> .....	346.9	345.5	346.8	.1	.1	.1	19.3	19.2	19.0
Wilmington .....	300.0	297.8	298.2	.2	.2	.2	17.6	17.5	17.1
<b>District of Columbia</b> .....	693.1	684.1	687.8	.1	.1	.1	14.2	14.2	13.9
Washington MSA .....	2,269.5	2,251.0	2,254.5	1.1	1.1	1.0	145.3	133.0	129.4
<b>Florida</b> .....	5,441.6	5,520.6	5,541.6	9.4	9.0	9.1	343.0	311.3	300.4
Daytona Beach .....	122.5	123.4	123.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.2	7.6	7.4
Fort Lauderdale-Hollywood-Pompano Beach .....	520.3	524.6	529.2	.3	.2	.3	35.0	35.1	34.9
Fort Myers-Cape Coral .....	130.7	136.1	137.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.3	12.4	12.1
Gainesville .....	102.5	102.9	102.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	3.9	3.9
Jacksonville .....	424.9	430.9	432.0	.7	.7	.7	27.4	25.8	25.6
Lakeland-Winter Haven .....	159.4	159.7	161.2	4.0	3.7	3.7	8.9	8.7	8.4
Melbourne-Titusville-Palm Bay .....	163.7	165.2	166.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.2	9.1	8.9
Miami-Hialeah .....	899.0	906.1	909.7	.9	.9	.9	40.5	39.9	39.8
Orlando .....	553.2	561.3	564.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	38.1	36.7	36.3
Pensacola .....	129.7	129.1	129.8	.4	.4	.4	6.3	7.9	7.9
Sarasota .....	117.0	119.2	120.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.4	9.9	9.8
Tallahassee .....	125.5	127.4	127.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	5.9	5.8
Tampa-St. Petersburg-Clearwater .....	883.3	888.1	882.6	.6	.7	.7	54.8	54.3	54.3
West Palm Beach-Boca Raton-Deer Beach .....	372.7	373.5	376.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	28.3	27.1	26.3

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Alabama</b> .....	381.1	378.5	376.6	80.2	80.0	60.2	359.2	356.0	359.9
Birmingham .....	56.1	56.3	56.1	32.3	32.0	31.9	104.7	103.8	104.7
Huntsville .....	33.2	33.3	33.2	2.9	2.8	2.8	26.2	26.3	27.0
Mobile .....	26.4	27.4	27.4	10.2	9.6	9.8	47.5	48.1	48.5
Montgomery .....	18.0	18.3	18.2	5.2	5.2	5.2	31.7	31.5	32.2
Tuscaloosa .....	10.6	10.5	10.5	2.1	2.2	2.2	13.4	13.2	13.6
<b>Alaska</b> .....	11.6	12.6	11.5	18.6	19.2	19.1	44.9	46.1	48.5
<b>Arizona</b> .....	188.5	188.0	188.0	79.6	82.1	82.7	385.8	389.9	396.6
Phoenix .....	139.8	138.6	138.5	55.8	58.5	59.0	260.7	264.8	270.1
Tucson .....	27.2	27.1	27.2	9.7	9.7	9.7	61.3	61.2	61.5
<b>Arkansas</b> .....	228.6	231.9	230.9	55.1	56.2	56.1	211.6	216.0	217.3
Fayetteville-Springdale .....	13.4	13.6	13.6	4.9	4.9	4.9	12.4	12.6	12.7
Fort Smith .....	23.8	24.2	24.3	4.3	4.2	4.3	16.9	16.6	16.7
Little Rock-North Little Rock .....	33.7	33.3	33.1	16.3	16.3	18.2	82.3	82.8	83.8
Pine Bluff .....	6.4	6.2	6.2	2.8	2.7	2.7	7.6	7.5	7.5
<b>California</b> .....	2,148.8	2,100.0	2,091.3	610.8	615.6	619.5	3,088.8	3,074.5	3,111.3
Anaheim-Santa Ana .....	259.1	256.7	255.6	35.5	35.9	36.2	318.0	312.6	317.2
Bakersfield .....	10.5	10.7	10.6	8.2	8.6	8.8	41.1	40.6	40.9
Fresno .....	24.2	24.9	24.2	12.3	12.8	12.6	58.5	61.5	62.1
Los Angeles-Long Beach .....	888.7	856.2	853.9	215.0	218.1	218.7	1,003.6	995.2	1,011.1
Modesto .....	22.1	23.9	23.2	4.8	5.0	4.9	31.0	31.1	31.8
Oakland .....	116.0	117.2	117.3	81.5	83.5	83.8	227.7	230.8	234.7
Oxnard-Ventura .....	31.2	29.8	29.8	11.7	11.5	11.7	59.5	59.3	60.4
Riverside-San Bernardino .....	89.6	89.5	89.1	34.2	34.3	34.9	178.0	180.0	183.4
Sacramento .....	44.0	45.1	45.2	26.8	27.8	28.3	148.6	150.5	152.0
San Diego .....	136.8	133.7	133.4	38.3	38.4	38.7	246.9	242.3	243.9
San Francisco .....	82.3	80.7	80.1	78.6	79.2	79.4	226.1	221.1	224.4
San Jose .....	268.1	263.5	262.8	22.7	22.8	22.9	173.1	171.4	172.5
Santa Barbara-Santa Maria-Lompoc .....	22.6	22.5	22.3	5.5	5.5	5.7	35.5	35.3	35.7
Santa Rosa-Petaluma .....	21.3	21.8	21.6	6.4	6.8	6.8	37.0	39.0	40.3
Stockton .....	23.1	23.2	22.6	8.6	8.5	8.5	38.6	38.4	36.6
Vallejo-Fairfield-Napa .....	12.5	12.8	12.6	4.9	5.2	5.2	34.3	35.3	35.5
<b>Colorado</b> .....	194.8	195.4	195.1	94.1	94.2	95.2	367.7	373.2	381.8
Boulder-Longmont .....	31.1	30.4	30.5	2.5	2.5	2.5	24.4	25.2	25.5
Denver .....	95.6	95.3	95.8	68.2	69.1	69.6	205.5	207.8	210.7
<b>Connecticut</b> .....	357.8	346.5	346.9	73.1	72.3	72.3	400.4	384.6	391.0
Bridgeport-Milford .....	52.9	49.2	49.3	8.9	9.1	9.1	47.2	44.9	45.4
Hartford .....	86.3	87.0	87.5	19.2	19.3	19.2	106.1	100.5	100.9
New Britain .....	19.1	18.4	18.4	3.2	3.8	3.8	14.2	14.0	14.2
New Haven-Meriden .....	48.3	44.8	44.7	18.3	16.3	18.2	60.3	56.5	56.8
Stamford .....	20.7	19.3	19.4	5.8	6.1	6.1	31.8	30.4	31.0
Waterbury .....	22.5	20.2	20.1	3.4	3.5	3.5	19.2	17.1	17.1
<b>Delaware</b> .....	72.9	68.3	68.9	14.8	15.2	15.3	78.6	76.3	76.9
Wilmington .....	62.7	57.7	58.3	15.8	16.8	16.8	64.4	63.4	63.9
<b>District of Columbia</b> .....	16.1	16.1	16.1	25.0	24.4	24.2	66.4	62.3	62.5
Washington MSA .....	89.8	86.9	86.7	112.6	113.5	113.8	456.3	446.4	451.5
<b>Florida</b> .....	547.9	530.9	528.8	277.5	279.9	283.0	1,504.5	1,504.7	1,534.4
Daytona Beach .....	12.4	12.7	12.8	4.1	4.1	4.2	36.1	35.9	36.4
Fort Lauderdale-Hollywood-Pompano Beach .....	46.7	45.9	45.9	24.2	23.7	24.1	156.5	156.9	159.9
Fort Myers-Cape Coral .....	6.3	6.4	6.3	5.6	5.9	5.9	40.1	42.1	43.8
Gainesville .....	5.7	5.4	5.4	1.9	1.9	1.9	22.7	22.1	22.0
Jacksonville .....	39.0	37.9	37.8	29.2	29.4	29.5	115.8	118.0	119.4
Lakeland-Winter Haven .....	24.4	23.6	23.8	7.3	7.1	7.3	44.9	44.8	45.8
Melbourne-Titusville-Palm Bay .....	30.0	30.1	30.1	4.3	4.4	4.5	39.8	38.9	39.7
Miami-Hialeah .....	90.8	91.1	91.0	71.7	73.5	74.0	251.0	246.2	249.2
Orlando .....	55.0	52.7	52.6	28.0	29.2	29.6	147.3	146.0	149.7
Pensacola .....	11.3	10.9	10.6	6.5	6.4	6.4	33.8	33.2	33.7
Sarasota .....	8.9	8.6	8.7	3.7	3.8	3.7	36.3	35.0	36.1
Tallahassee .....	5.0	4.7	4.7	3.1	3.1	3.1	27.9	26.1	28.3
Tampa-St. Petersburg-Clearwater .....	95.8	95.0	94.9	42.1	42.5	42.9	249.3	246.1	248.8
West Palm Beach-Boca Raton-Delray Beach .....	35.5	34.7	34.4	14.1	14.6	14.7	103.7	100.3	104.0

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	Finance, insurance, and real estate			Services			Government		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Alabama</b> .....	71.2	71.4	71.8	305.0	312.3	313.5	317.8	330.5	329.6
Birmingham .....	28.7	28.8	28.8	99.3	102.6	103.3	65.7	68.7	68.7
Huntsville .....	3.8	3.9	3.9	31.9	32.9	32.8	31.0	31.2	30.8
Mobile .....	7.5	7.4	7.4	40.9	42.0	41.9	29.2	30.7	31.1
Montgomery .....	7.8	7.8	7.8	30.6	31.5	31.6	34.1	35.4	35.5
Tuscaloosa .....	2.1	2.2	2.2	9.4	10.2	10.2	20.8	21.1	20.9
<b>Alaska</b> .....	10.5	10.7	10.7	46.9	48.4	48.5	70.7	71.0	71.0
<b>Arizona</b> .....	93.7	95.5	95.9	402.1	415.4	418.4	261.2	274.7	273.6
Phoenix .....	75.5	76.8	77.0	272.8	281.8	283.6	134.4	142.6	141.4
Tucson .....	11.4	11.8	11.6	73.6	75.7	76.6	56.9	58.1	58.2
<b>Arkansas</b> .....	38.2	38.6	38.5	176.1	186.3	186.3	158.9	163.5	163.2
Fayetteville-Springdale .....	1.6	1.5	1.5	9.1	9.6	9.5	11.7	12.3	12.2
Fort Smith .....	3.0	2.9	2.9	17.8	18.0	17.7	8.2	8.6	8.4
Little Rock-North Little Rock .....	15.6	15.8	15.8	62.5	64.2	64.0	48.6	49.5	49.6
Pine Bluff .....	1.2	1.2	1.2	6.9	6.6	6.7	7.6	7.9	7.8
<b>California</b> .....	849.7	861.3	864.0	3,337.2	3,437.6	3,448.5	2,064.2	2,121.1	2,120.0
Anaheim-Santa Ana .....	98.0	98.0	98.5	312.9	322.8	322.5	125.6	131.4	130.9
Bakersfield .....	6.5	6.8	6.8	35.5	35.5	35.6	43.9	44.0	44.1
Fresno .....	12.4	12.8	12.9	52.1	57.6	57.8	49.1	53.5	54.6
Los Angeles-Long Beach .....	297.4	301.6	302.5	1,208.1	1,237.5	1,240.3	535.7	544.0	543.0
Modesto .....	5.2	5.3	5.2	24.3	25.6	25.4	20.2	20.6	21.1
Oakland .....	57.8	58.0	57.8	223.0	233.0	234.2	167.3	172.8	172.3
Oxnard-Ventura .....	11.6	11.4	11.3	55.2	57.6	58.0	42.9	44.2	44.5
Riverside-San Bernardino .....	29.4	30.5	30.5	164.8	175.8	177.7	147.5	153.1	154.2
Sacramento .....	39.3	40.3	40.4	136.8	140.4	141.9	181.5	185.3	184.6
San Diego .....	67.3	67.4	67.3	264.8	277.9	277.9	173.9	181.0	180.8
San Francisco .....	109.9	110.1	110.2	310.6	314.3	316.7	138.8	140.4	142.1
San Jose .....	32.5	32.1	32.2	216.5	217.7	216.9	88.6	90.6	90.3
Santa Barbara-Santa Maria-Lompoc .....	8.8	8.7	8.7	42.1	42.7	42.8	29.1	29.9	29.4
Santa Rosa-Petaluma .....	8.0	8.2	8.2	32.2	35.7	35.9	24.0	24.9	24.8
Stockton .....	9.4	9.3	9.3	32.6	33.5	33.6	32.9	34.7	34.7
Vallejo-Fairfield-Napa .....	4.9	5.1	5.1	30.1	32.0	31.8	38.8	37.7	37.7
<b>Colorado</b> .....	96.6	96.0	97.3	385.3	397.9	402.5	278.8	286.1	282.9
Boulder-Longmont .....	4.2	4.2	4.2	27.1	28.2	28.5	22.3	24.2	22.9
Denver .....	63.5	63.8	63.8	220.8	230.4	230.5	131.8	134.5	133.8
<b>Connecticut</b> .....	151.3	150.0	150.4	433.1	441.9	442.4	212.7	214.5	213.9
Bridgeport-Milford .....	12.4	12.0	12.0	50.9	51.9	52.3	20.4	19.8	19.9
Hartford .....	74.6	74.4	74.0	117.8	119.0	117.7	67.4	67.9	67.9
New Britain .....	3.4	3.3	3.2	15.0	15.6	15.6	6.9	7.1	7.1
New Haven-Meriden .....	16.8	16.7	16.6	77.0	77.7	77.6	32.9	32.7	32.3
Stamford .....	14.2	13.9	14.0	38.4	38.3	38.2	10.9	10.8	10.9
Waterbury .....	4.4	4.1	4.2	22.7	22.6	22.6	13.0	13.0	13.1
<b>Delaware</b> .....	30.5	30.5	30.5	83.7	85.8	85.7	49.0	50.1	50.2
Wilmington .....	27.5	27.8	27.5	72.4	74.6	74.6	39.4	40.0	39.8
<b>District of Columbia</b> .....	33.4	32.6	32.7	259.5	258.8	260.9	278.4	275.6	277.4
Washington MSA .....	130.8	129.4	129.4	740.5	743.2	742.7	593.1	597.5	600.2
<b>Florida</b> .....	376.1	374.4	374.4	1,544.7	1,629.1	1,631.7	838.5	881.3	879.8
Daytona Beach .....	5.8	5.7	5.6	35.2	35.6	35.3	20.7	21.8	21.8
Fort Lauderdale-Hollywood-Pompano Beach .....	41.2	41.8	42.0	148.8	151.6	152.5	67.6	69.4	69.6
Fort Myers-Cape Coral .....	9.3	9.3	9.3	36.4	39.1	39.6	19.6	20.8	20.8
Gainesville .....	4.6	4.5	4.5	25.7	26.2	26.1	37.4	38.9	38.2
Jacksonville .....	40.3	41.3	41.3	109.6	113.3	113.2	62.9	64.5	64.5
Lakeland-Winter Haven .....	9.2	9.2	9.3	38.9	39.7	39.9	21.8	22.9	23.0
Melbourne-Titusville-Palm Bay .....	5.8	5.6	5.6	51.2	53.4	53.6	23.3	23.6	23.7
Miami-Hialeah .....	72.1	72.2	72.0	251.5	256.3	257.1	120.5	126.0	125.9
Orlando .....	33.5	32.9	32.7	187.3	195.5	196.9	63.9	68.2	66.5
Pensacola .....	5.4	5.3	5.3	33.5	34.3	34.3	30.7	30.7	30.8
Sarasota .....	8.1	8.4	8.4	36.1	39.8	40.2	13.5	13.9	14.0
Tallahassee .....	5.2	5.1	5.1	26.0	26.6	26.7	52.0	53.6	53.4
Tampa-St. Petersburg-Clearwater .....	65.6	65.0	65.1	262.0	269.5	270.5	113.3	115.0	115.4
West Palm Beach-Boca Raton-Delray Beach .....	30.1	29.4	29.4	114.7	119.4	121.0	46.3	48.0	48.5

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Georgia</b> .....	3,014.1	3,014.3	3,013.7	8.8	8.5	8.5	148.7	140.7	137.8
Albany .....	48.4	49.5	49.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.1	2.4	2.3
Athens .....	69.2	69.5	69.3	.1	.1	.1	2.9	2.7	2.7
Atlanta .....	1,492.0	1,495.0	1,497.0	1.2	1.1	1.1	67.9	65.4	63.6
Augusta .....	173.3	171.9	172.8	.5	.6	.6	15.6	15.1	15.1
Columbus .....	94.3	93.1	93.0	.1	.1	.1	4.6	4.3	4.3
Macon-Warner Robins .....	126.3	126.5	126.6	.1	.1	.1	5.2	4.7	4.7
Savannah .....	110.5	111.3	111.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	8.2	7.8	7.7
<b>Hawaii</b> .....	518.0	527.3	530.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	30.8	29.8	30.1
Honolulu .....	407.0	412.5	414.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	24.0	22.2	22.4
<b>Idaho</b> .....	380.1	395.4	393.6	3.7	3.9	3.8	17.0	20.4	19.2
Boise City .....	102.5	107.1	106.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.5	6.7	6.3
<b>Illinois</b> .....	5,219.5	5,254.4	5,249.4	19.5	19.8	19.5	204.3	216.2	205.0
Aurora-Egin .....	142.2	147.2	147.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	7.5	8.4	8.1
Bloomington-Normal .....	65.0	66.8	63.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.3	3.0	2.3
Champaign-Urbana-Rantoul .....	69.5	91.4	90.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.4	2.5	2.5
Chicago .....	3,196.0	3,225.8	3,225.2	2.0	1.8	1.8	129.4	131.4	125.8
Davenport-Rock Island-Moline .....	161.5	164.3	163.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.6	5.8	4.9
Decatur .....	53.8	54.4	54.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.0	3.5	3.1
Joliet .....	103.9	105.2	104.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	8.3	8.8	8.5
Kankakee .....	35.4	35.9	35.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.7	1.8	1.7
Lake County .....	211.0	215.4	214.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	10.7	11.8	11.7
Peoria .....	145.4	145.6	145.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	6.5	6.9	6.6
Rockford .....	135.4	136.9	136.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	5.2	6.4	5.9
Springfield .....	103.8	104.9	104.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.3	3.8	3.4
<b>Indiana</b> .....	2,514.8	2,537.5	2,538.9	7.8	8.0	7.8	120.0	133.7	128.5
Anderson .....	50.5	51.2	51.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.5	2.0	2.0
Bloomington .....	56.1	58.2	56.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.1	2.3	2.2
Elkhart-Goshen .....	106.6	105.1	104.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	3.6	3.8	3.8
Evansville .....	135.4	139.8	139.6	2.1	2.1	2.0	7.7	9.5	6.8
Fort Wayne .....	204.6	208.5	208.4	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	9.9	11.1	10.6
Gary-Hammond .....	244.3	246.8	246.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	17.7	19.4	18.7
Indianapolis .....	667.1	671.4	670.5	.8	.8	.8	37.8	38.6	37.5
Kokomo .....	46.9	46.6	46.2	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.1	1.7	1.6
Lafayette-West Lafayette .....	71.9	74.8	74.5	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.8	2.9	2.9
Muncie .....	54.1	55.7	55.6	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.8	2.1	2.0
South Bend-Mishawaka .....	123.4	126.9	126.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	7.2	8.6	8.5
Terre Haute .....	57.9	58.4	58.4	.4	.4	.4	2.9	4.3	4.2
<b>Iowa</b> .....	1,223.4	1,243.7	1,234.8	1.8	2.2	2.0	38.9	48.8	42.3
Cedar Rapids .....	96.0	96.8	95.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.1	4.3	4.2
Des Moines .....	230.3	232.4	232.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	8.6	9.2	8.9
Dubuque .....	44.9	45.0	44.8	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.6	1.8	1.7
Iowa City .....	56.5	58.0	57.9	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.7	2.1	2.0
Sioux City .....	55.5	55.4	55.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.1	2.3	2.0
Waterloo-Cedar Falls .....	69.4	72.5	72.3	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	2.3	2.5	2.4
<b>Kansas</b> .....	1,088.2	1,114.3	1,110.2	9.2	10.4	10.5	39.8	44.6	42.2
Lawrence .....	37.0	37.5	37.7	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	1.3	1.7	1.7
Topeka .....	91.8	90.8	90.0	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	4.0	3.8	3.6
Wichita .....	239.3	243.0	242.9	1.8	2.2	2.2	8.8	9.9	9.8
<b>Kentucky</b> .....	1,462.2	1,489.5	1,490.0	33.5	33.9	33.8	67.8	69.7	68.8
Lexington-Fayette .....	203.0	209.6	207.4	.2	.2	.2	11.0	11.8	11.9
Louisville .....	461.4	489.2	491.0	.5	.5	.5	23.3	23.3	23.1
Owensboro .....	36.7	38.1	37.6	.5	.5	.5	2.1	2.1	2.1
<b>Louisiana</b> .....	1,528.9	1,549.4	1,547.0	54.7	53.8	53.4	82.1	83.6	83.2
Alexandria .....	46.0	45.6	45.5	.2	.1	.1	2.7	2.5	2.5
Baton Rouge .....	231.7	233.1	232.9	.8	.8	.8	26.1	26.3	26.4
Houma-Thibodaux .....	55.4	58.9	58.8	5.5	5.4	5.4	1.7	1.9	1.9
Lafayette .....	68.5	95.4	96.1	11.5	12.5	12.5	3.3	3.9	4.2
Lake Charles .....	63.6	65.0	64.6	1.0	1.2	1.2	4.8	4.6	4.5
Monroe .....	58.8	57.1	56.7	.5	.6	.5	2.7	2.8	2.6
New Orleans .....	534.4	538.3	539.8	14.8	14.3	14.3	22.3	23.8	23.4
Shreveport .....	131.4	133.2	133.2	3.2	3.2	3.2	5.4	8.5	6.1

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Georgia</b> .....	571.3	552.1	549.8	189.1	191.0	190.9	778.1	778.9	785.4
Albany .....	7.3	7.8	7.8	2.9	2.9	2.9	12.3	12.1	12.2
Athens .....	15.6	14.7	14.7	1.8	1.8	1.8	15.4	15.7	15.9
Atlanta .....	180.9	173.8	173.7	126.4	129.8	129.4	424.7	422.0	425.7
Augusta .....	38.3	37.8	37.9	4.5	4.8	4.6	38.1	37.9	38.6
Columbus .....	18.7	18.4	18.4	3.0	2.9	2.8	22.4	21.2	21.2
Macon-Warner Robins .....	18.6	18.7	18.6	5.3	5.3	5.3	29.7	29.4	30.2
Savannah .....	17.8	17.8	17.7	9.8	9.7	9.6	27.1	26.6	27.0
<b>Hawaii</b> .....	20.8	20.6	20.4	41.4	42.5	42.6	136.3	136.0	136.9
Honolulu .....	15.7	15.2	15.1	33.4	34.6	34.7	104.4	104.1	104.9
<b>Idaho</b> .....	62.8	63.9	63.5	19.4	20.0	20.0	99.5	100.8	102.0
Boise City .....	15.7	16.4	16.4	5.6	5.7	5.7	27.1	26.6	27.0
<b>Illinois</b> .....	981.6	978.2	975.3	306.6	306.4	306.5	1,298.6	1,303.6	1,314.7
Aurora-Elgin .....	39.4	39.2	39.3	3.4	3.6	3.8	35.9	37.1	38.3
Bloomington-Normal .....	7.8	7.9	7.9	2.6	2.5	2.5	14.5	14.6	14.5
Champaign-Urbana-Rantoul .....	7.8	8.3	8.2	2.2	2.3	2.3	19.2	19.4	19.3
Chicago .....	556.4	556.6	553.4	206.2	207.7	208.1	791.1	798.5	805.1
Davenport-Rock Island-Moline .....	33.1	33.7	33.5	7.3	7.3	7.3	47.4	47.7	47.5
Decatur .....	14.2	14.1	14.2	5.0	5.2	5.2	11.9	11.8	11.9
Joliet .....	18.2	18.7	18.7	8.6	8.6	8.6	24.3	24.3	24.4
Kankakee .....	5.6	5.5	5.5	2.0	2.0	2.0	9.3	9.4	9.4
Lake County .....	47.1	47.7	47.5	6.0	6.1	6.1	61.0	61.3	61.8
Peoria .....	33.6	33.0	33.0	6.9	7.0	7.0	35.8	35.3	35.6
Rockford .....	47.7	47.5	47.5	4.6	4.6	4.5	31.4	31.3	31.4
Springfield .....	3.9	3.9	3.9	4.7	4.8	4.8	24.1	23.7	23.7
<b>Indiana</b> .....	638.2	623.0	623.1	132.1	132.4	133.2	609.8	610.4	614.7
Anderson .....	16.7	15.8	15.9	1.4	1.3	1.3	12.2	12.4	12.3
Bloomington .....	9.5	9.2	9.3	1.7	1.8	1.8	12.4	11.8	11.6
Elkhart-Goshen .....	53.0	50.7	50.7	3.6	3.7	3.8	20.5	19.6	19.4
Evansville .....	30.7	31.1	30.7	6.9	7.0	7.0	36.5	35.7	36.1
Fort Wayne .....	53.0	50.9	50.4	13.5	12.9	13.1	50.4	50.5	50.9
Gary-Hammond .....	56.7	56.1	58.2	15.1	14.8	14.7	58.6	58.7	59.1
Indianapolis .....	109.8	105.3	105.9	41.7	42.3	42.6	175.7	178.9	179.3
Kokomo .....	18.9	17.5	17.5	1.5	1.6	1.6	11.1	10.2	10.1
Lafayette-West Lafayette .....	13.0	13.1	13.2	1.8	1.8	1.8	15.5	15.6	15.7
Muncie .....	11.3	11.4	11.4	3.0	3.3	3.3	13.6	13.5	13.6
South Bend-Mishawaka .....	23.0	22.3	22.3	5.1	5.1	5.1	32.7	32.9	33.1
Terre Haute .....	10.7	10.8	10.8	2.9	2.7	2.8	15.8	15.5	15.5
<b>Iowa</b> .....	235.7	233.4	231.9	56.8	55.0	55.2	315.3	319.2	320.1
Cedar Rapids .....	23.7	21.6	21.7	5.7	5.7	5.7	22.7	22.8	23.0
Des Moines .....	26.0	26.0	25.9	12.6	12.2	12.3	60.6	59.9	60.1
Dubuque .....	12.6	12.4	12.2	1.7	1.7	1.7	10.7	10.5	10.5
Iowa City .....	4.6	4.6	4.5	1.4	1.4	1.5	11.0	11.6	11.6
Sioux City .....	11.0	10.6	10.5	3.7	3.4	3.6	14.4	14.3	14.2
Waterloo-Cedar Falls .....	15.8	16.9	16.7	1.9	2.0	2.0	17.2	17.6	17.7
<b>Kansas</b> .....	185.2	184.2	186.5	66.7	68.0	68.6	275.1	278.0	279.1
Lawrence .....	4.7	4.7	4.7	1.1	1.1	1.1	8.7	8.4	8.5
Topeka .....	9.7	9.7	10.0	6.9	6.6	6.6	20.8	19.7	20.0
Wichita .....	64.6	65.0	65.0	11.2	11.0	10.9	55.1	55.8	56.1
<b>Kentucky</b> .....	285.7	281.4	283.5	78.5	77.4	78.4	359.4	362.2	364.8
Lexington-Fayette .....	34.2	33.8	33.8	9.4	9.2	9.3	46.1	45.2	45.3
Louisville .....	86.7	87.9	89.8	31.6	31.0	31.0	123.0	125.0	125.8
Owensboro .....	6.4	6.4	6.3	2.2	2.2	2.3	10.0	10.3	10.2
<b>Louisiana</b> .....	175.4	177.7	175.9	105.4	105.5	105.8	371.2	373.5	376.2
Alexandria .....	3.4	3.3	3.3	2.3	2.3	2.3	10.4	10.1	10.2
Baton Rouge .....	21.5	22.3	22.1	10.5	10.5	10.4	54.9	55.0	55.4
Houma-Thibodaux .....	5.0	5.9	5.9	6.5	6.7	6.6	14.5	15.0	14.8
Lafayette .....	8.2	6.6	6.7	6.2	6.9	7.0	24.3	25.7	25.7
Lake Charles .....	11.7	11.4	11.3	4.2	4.2	4.0	15.5	15.7	15.8
Monroe .....	7.6	7.8	7.8	3.1	2.7	2.7	14.8	14.4	14.5
New Orleans .....	43.7	45.4	45.2	43.6	43.5	43.2	139.8	136.5	136.5
Shreveport .....	17.7	18.1	18.0	8.4	8.3	8.3	33.1	33.5	33.8

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	Finance, insurance, and real estate			Services			Government		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Georgia</b> .....	163.2	164.3	164.6	629.5	639.7	638.4	527.4	539.1	538.2
Albany .....	2.1	2.0	2.0	8.6	8.8	8.8	13.1	13.5	13.6
Athens .....	2.0	2.0	2.0	11.3	11.8	11.8	20.0	20.7	20.4
Atlanta .....	106.0	106.5	106.8	389.2	373.2	373.9	215.7	223.6	222.9
Augusta .....	5.6	5.3	5.3	35.1	35.0	35.1	35.5	35.6	35.6
Columbus .....	6.0	5.7	5.7	18.5	19.3	19.2	21.1	21.2	21.2
Macon-Warner Robins .....	7.3	7.7	7.8	25.0	25.0	24.8	35.1	35.4	35.4
Savannah .....	4.8	5.1	5.2	26.4	27.2	27.1	16.5	17.1	17.0
<b>Hawaii</b> .....	35.6	36.3	36.2	148.1	153.1	153.7	105.0	109.0	110.1
Honolulu .....	29.1	29.5	29.5	112.5	115.9	116.0	87.9	91.0	91.8
<b>Idaho</b> .....	19.6	19.9	20.0	77.1	80.6	80.6	81.0	85.9	84.5
Boise City .....	7.8	8.1	8.2	22.2	23.5	23.5	18.6	20.1	19.8
<b>Illinois</b> .....	373.4	373.0	373.1	1,284.1	1,297.7	1,295.8	751.4	759.5	759.5
Aurora-Elgin .....	7.3	8.0	7.9	31.7	33.9	33.7	17.0	17.0	18.9
Bloomington-Normal .....	11.1	11.0	11.0	13.0	13.4	13.4	13.7	13.4	12.1
Champaign-Urbana-Rantoul .....	3.1	3.2	3.2	17.8	18.0	17.7	37.2	37.7	37.5
Chicago .....	271.5	270.2	270.3	863.9	887.4	888.3	375.5	372.2	372.4
Davenport-Rock Island-Moline .....	7.7	7.9	7.9	34.2	35.6	35.6	27.2	26.3	26.3
Decatur .....	2.3	2.3	2.3	11.6	11.6	11.7	5.8	5.9	5.9
Joliet .....	3.5	3.6	3.6	23.3	23.5	23.5	17.7	17.7	17.6
Kankakee .....	1.3	1.4	1.4	8.8	9.0	8.9	6.7	6.8	6.8
Lake County .....	10.0	10.0	10.0	44.8	46.5	45.5	31.4	32.0	31.7
Peoria .....	7.2	7.3	7.3	39.3	39.9	39.8	16.1	16.2	16.2
Rockford .....	5.2	5.3	5.3	29.1	29.8	29.8	12.2	12.0	11.9
Springfield .....	8.2	8.4	8.4	26.1	26.1	26.1	33.5	34.2	34.1
<b>Indiana</b> .....	122.9	124.5	125.0	515.4	531.5	533.6	368.6	374.0	373.0
Anderson .....	1.5	1.4	1.4	11.0	11.6	11.6	8.3	6.7	8.7
Bloomington .....	2.0	1.9	1.9	10.5	11.7	11.9	17.9	19.5	18.2
Elkhart-Goshen .....	3.2	3.1	3.0	16.3	17.5	17.6	6.4	6.6	6.5
Evansville .....	5.5	5.5	5.7	34.0	36.2	36.6	12.0	12.7	12.8
Fort Wayne .....	12.9	13.0	13.1	47.4	51.7	52.0	17.7	18.4	18.3
Gary-Hammond .....	8.4	8.5	8.5	55.5	57.1	57.5	32.3	32.2	32.2
Indianapolis .....	49.1	49.6	49.6	155.5	158.6	158.2	96.6	97.3	96.7
Kokomo .....	1.4	1.4	1.4	7.2	8.1	8.0	5.7	6.2	6.1
Lafayette-West Lafayette .....	3.2	3.1	3.1	13.8	15.9	15.7	21.8	22.4	22.2
Muncie .....	1.7	1.7	1.8	11.1	11.8	11.7	11.7	11.9	11.9
South Bend-Mishawaka .....	6.2	6.4	6.4	36.9	38.7	38.6	12.2	13.0	12.9
Terre Haute .....	2.1	2.1	2.1	12.2	12.2	12.0	10.8	10.5	10.5
<b>Iowa</b> .....	69.4	71.4	71.6	281.4	287.6	287.2	224.1	226.1	224.5
Cedar Rapids .....	4.7	4.7	4.7	23.7	24.7	24.8	11.4	12.0	11.8
Des Moines .....	32.2	33.8	33.7	58.3	58.8	58.6	32.0	32.7	32.5
Dubuque .....	1.5	1.5	1.5	13.1	13.3	13.4	3.7	3.8	3.8
Iowa City .....	1.4	1.5	1.5	9.6	9.8	9.5	26.8	27.0	27.3
Sioux City .....	2.6	2.6	2.7	15.1	15.4	15.3	6.6	6.8	6.7
Waterloo-Cedar Falls .....	2.9	3.0	3.0	15.8	16.4	16.5	13.5	14.1	14.0
<b>Kansas</b> .....	58.3	59.4	59.8	234.1	242.6	242.3	219.8	227.1	221.4
Lawrence .....	1.5	1.5	1.5	7.4	7.6	7.8	12.3	12.5	12.8
Topeka .....	6.7	6.5	6.5	21.5	22.4	22.2	22.2	21.1	21.1
Wichita .....	10.8	11.2	11.3	58.5	59.8	59.8	28.5	28.1	27.8
<b>Kentucky</b> .....	81.1	61.4	61.1	319.6	331.9	329.2	258.6	271.6	270.4
Lexington-Fayette .....	9.5	9.5	9.5	49.4	52.2	50.8	43.2	47.7	46.6
Louisville .....	27.1	27.4	27.4	123.5	128.6	127.4	83.7	85.5	86.0
Owensboro .....	1.5	1.5	1.4	8.4	8.6	8.7	5.6	6.5	6.1
<b>Louisiana</b> .....	77.9	78.4	78.6	347.4	354.4	352.7	314.8	322.5	321.4
Alexandria .....	2.5	2.3	2.3	11.7	11.9	11.9	12.8	13.1	12.9
Baton Rouge .....	13.2	13.0	13.0	50.3	50.5	50.5	54.4	54.7	54.3
Houma-Thibodaux .....	2.1	2.1	2.1	9.6	10.8	11.1	10.5	11.1	11.0
Lafayette .....	3.2	3.3	3.3	19.1	21.2	21.4	12.7	13.3	13.3
Lake Charles .....	3.1	3.0	3.0	12.8	13.9	13.8	10.5	11.0	11.0
Monroe .....	4.3	4.2	4.2	12.8	13.1	13.0	11.0	11.5	11.4
New Orleans .....	33.5	31.9	31.9	149.9	154.3	154.3	87.0	88.8	88.8
Shreveport .....	6.2	6.2	6.3	32.0	32.1	32.1	25.4	25.3	25.4

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Maine</b> .....	551.6	530.6	526.8	0.1	0.1	0.1	31.7	27.3	25.0
Lewiston-Auburn .....	42.9	40.3	39.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	1.9	1.8
Portland .....	137.3	132.3	131.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	7.3	6.8
<b>Maryland</b> .....	2,178.0	2,187.5	2,175.6	1.7	1.7	1.7	158.6	164.7	157.4
Baltimore MSA .....	1,159.6	1,159.9	1,156.6	.3	.3	.3	77.9	76.4	73.9
Baltimore City .....	486.4	484.5	480.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.1	19.7	18.9
Suburban Maryland-D.C. ....	787.2	790.0	789.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	71.7	69.7	68.5
<b>Massachusetts</b> .....	3,145.2	3,014.2	3,006.3	1.5	1.6	1.6	121.7	99.9	93.2
Boston .....	1,756.9	1,694.1	1,688.6	.7	.8	.8	60.1	51.1	48.5
Brockton .....	75.7	73.0	72.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	2.8	2.6
Fall River .....	58.5	55.7	55.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.3
Fitchburg-Leominster .....	41.8	39.7	39.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.4	1.3
Lawrence-Haverhill .....	165.3	162.0	162.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.9	6.0	5.8
Lowell .....	106.0	100.8	101.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.3	4.1
New Bedford .....	69.3	65.3	65.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.3	2.1
Pittsfield .....	43.2	42.2	42.4	.1	.1	.1	1.8	1.6	1.4
Springfield .....	246.1	237.0	237.4	.2	.1	.1	8.4	7.3	6.9
Worcester .....	207.8	201.5	201.8	.2	.4	.4	8.8	7.8	7.7
<b>Michigan</b> .....	3,957.4	3,898.5	3,921.7	10.2	8.3	9.8	137.8	134.7	126.9
Ann Arbor .....	178.2	182.8	186.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.7	5.4
Battle Creek .....	60.2	82.4	61.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.6	2.3
Benton Harbor .....	66.7	67.4	67.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.7	1.6
Detroit .....	1,967.8	1,923.2	1,946.1	1.1	1.2	1.1	64.4	60.0	57.4
Flint .....	168.7	163.3	169.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.4	5.8	5.6
Grand Rapids .....	352.5	353.8	353.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.2	16.1	15.5
Jackson .....	55.2	54.7	54.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.6	2.4
Kalamazoo .....	114.3	114.9	114.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.2	4.1
Lansing-East Lansing .....	217.6	220.3	214.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.0	5.3	4.9
Muskegon .....	58.9	58.2	57.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.2	2.1
Saginaw-Bay City-Midland .....	162.7	164.5	166.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	9.0	8.8
<b>Minnesota</b> .....	2,126.7	2,159.5	2,145.8	7.3	8.3	7.7	75.2	82.2	71.2
Duluth .....	97.0	97.4	96.9	5.4	5.6	5.6	3.5	3.2	2.7
Minneapolis-St. Paul .....	1,375.7	1,395.7	1,389.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	49.8	53.2	47.6
Rochester .....	64.5	65.7	65.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.4	2.1
St. Cloud .....	79.6	83.4	81.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.5	3.6
<b>Mississippi</b> .....	936.9	942.2	941.0	6.2	6.5	6.6	38.1	34.5	33.9
Jackson .....	188.8	190.4	190.5	.7	.6	.6	7.5	7.6	7.4
<b>Missouri</b> .....	2,333.3	2,338.0	2,338.5	5.1	5.3	5.2	96.7	99.0	94.7
Kansas City .....	791.9	799.8	801.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	33.1	34.2	33.8
St. Louis .....	1,191.7	1,183.9	1,191.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	62.0	58.5	56.2
Springfield .....	119.6	121.1	120.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.6	4.3
<b>Montana</b> .....	294.3	299.5	297.8	6.1	6.5	6.3	8.7	10.1	8.6
<b>Nebraska</b> .....	716.9	741.1	735.4	1.3	1.6	1.4	22.7	25.5	24.0
Lincoln .....	121.7	126.2	124.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.5	4.2
Omaha .....	327.9	335.0	334.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.2	12.8	12.1
<b>Nevada</b> .....	606.3	644.2	641.8	14.4	15.7	15.7	49.1	52.6	52.0
Las Vegas .....	360.9	386.8	386.0	.3	.3	.3	34.8	36.0	35.7
Reno .....	144.9	148.6	148.5	1.6	1.6	1.6	7.7	8.2	8.0
<b>New Hampshire</b> .....	523.2	508.9	506.8	.4	.5	.4	26.4	22.8	20.0
Manchester .....	86.7	82.6	82.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	3.4	3.2
Nashua .....	94.1	88.2	88.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	2.2	2.1
Portsmouth-Dover-Rochester .....	111.8	107.4	106.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.1	3.6
<b>New Jersey</b> .....	3,754.9	3,712.7	3,714.4	2.5	2.4	2.4	166.7	149.2	145.8
Atlantic City .....	165.1	170.8	167.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.7	8.4	8.4
Bergen-Passaic .....	882.9	675.3	674.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	32.1	29.0	28.4
Camden .....	484.0	467.3	470.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.1	25.5	24.7
Jersey City .....	256.4	253.0	251.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	6.3	6.2
Middlesex-Somerset-Hunterdon .....	553.6	545.5	546.7	.7	.6	.8	23.3	22.6	22.6
Monmouth-Ocean .....	342.1	338.9	339.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.6	16.7	16.1
Newark .....	990.0	986.5	967.5	.8	.7	.7	38.5	37.2	36.1
Trenton .....	202.4	199.3	199.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	4.9	4.6
Vineland-Milville-Bridgeton .....	59.6	60.2	59.8	.4	.4	.4	2.4	2.3	2.1

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Maine</b> .....	106.2	101.5	101.3	22.7	22.0	21.9	142.7	133.3	133.2
Lewiston-Auburn .....	9.6	8.4	8.2	1.5	1.4	1.4	11.8	11.1	10.9
Portland .....	16.9	16.2	16.0	5.5	5.5	5.6	43.6	41.2	41.3
<b>Maryland</b> .....	208.8	202.3	197.9	103.3	104.2	104.4	558.4	549.8	553.0
Baltimore MSA .....	129.8	125.9	122.5	57.4	57.6	57.6	267.0	262.5	265.5
Baltimore City .....	45.1	44.8	41.4	29.0	28.6	28.6	97.7	95.2	95.9
Suburban Maryland-D.C. ....	38.7	37.2	37.2	32.3	33.3	33.3	208.7	203.1	205.6
<b>Massachusetts</b> .....	552.5	519.6	516.8	134.0	128.2	127.8	769.8	720.8	726.0
Boston .....	255.1	239.1	237.4	77.4	76.3	76.0	405.2	381.9	384.3
Brockton .....	9.7	9.2	9.1	4.8	4.5	4.3	25.3	24.3	24.3
Fall River .....	15.5	14.4	14.2	1.9	1.6	1.8	16.6	15.1	14.8
Fitchburg-Leominster .....	12.1	11.8	11.5	1.5	1.4	1.4	10.6	9.5	9.3
Lawrence-Haverhill .....	46.3	44.8	44.6	6.8	6.1	6.1	38.7	37.7	38.3
Lowell .....	33.4	30.9	31.2	4.9	5.0	5.1	23.6	22.1	22.6
New Bedford .....	17.9	16.4	16.4	2.8	2.5	2.5	17.8	16.7	17.0
Pittsfield .....	10.7	10.1	10.2	1.4	1.4	1.4	10.7	10.3	10.6
Springfield .....	47.8	46.2	45.9	10.3	10.0	10.0	62.5	59.2	60.1
Worcester .....	44.3	42.9	42.7	9.4	9.2	9.3	52.1	50.5	50.8
<b>Michigan</b> .....	960.2	900.7	917.2	153.4	151.9	152.1	951.4	934.5	949.3
Ann Arbor .....	37.8	35.3	38.5	4.9	5.1	5.3	31.8	31.5	31.7
Battle Creek .....	15.7	16.2	15.9	1.6	1.6	1.6	12.8	12.7	12.9
Benton Harbor .....	20.9	20.7	20.6	2.5	2.7	2.6	14.7	14.4	14.5
Detroit .....	481.1	425.0	438.7	88.9	67.6	67.8	484.0	469.1	478.4
Flint .....	50.9	43.7	48.3	4.2	4.2	4.2	43.8	43.0	43.9
Grand Rapids .....	102.6	101.8	101.5	11.6	11.3	11.5	94.5	95.6	96.1
Jackson .....	13.3	12.1	12.0	4.0	3.9	3.9	13.5	13.3	13.6
Kalamazoo .....	30.3	29.5	29.5	3.3	3.3	3.4	27.3	26.9	27.2
Lansing-East Lansing .....	31.5	31.7	29.1	5.6	5.8	5.8	47.8	46.7	47.5
Muskegon .....	17.0	16.1	16.1	2.2	2.2	2.2	14.0	14.2	14.0
Saginaw-Bay City-Midland .....	44.8	42.6	43.9	6.2	6.1	6.1	40.1	42.4	42.6
<b>Minnesota</b> .....	396.0	393.6	391.5	108.6	108.8	108.4	530.4	531.7	533.3
Duluth .....	8.5	8.4	8.5	6.0	5.9	6.0	24.7	24.9	24.7
Minneapolis-St. Paul .....	261.2	258.2	257.5	76.9	78.4	78.5	341.2	340.8	342.2
Rochester .....	11.8	11.9	11.8	1.9	1.9	1.9	13.1	13.1	13.3
St. Cloud .....	13.6	15.1	15.1	3.8	3.8	3.9	25.7	26.4	26.0
<b>Mississippi</b> .....	242.4	242.1	240.0	46.2	47.5	47.2	205.0	205.1	207.3
Jackson .....	21.4	20.9	20.8	14.4	14.7	14.7	45.2	45.2	45.6
<b>Missouri</b> .....	440.1	423.2	429.1	150.2	150.9	151.1	584.5	580.2	584.0
Kansas City .....	110.6	108.3	110.6	64.3	65.4	65.6	212.1	211.7	212.7
St. Louis .....	225.1	212.0	219.1	77.0	77.1	77.4	298.5	295.9	299.6
Springfield .....	21.3	20.6	20.7	7.4	7.7	7.7	34.5	35.3	35.4
<b>Montana</b> .....	22.5	22.9	22.8	20.4	20.1	20.4	80.0	80.1	80.6
<b>Nebraska</b> .....	96.1	97.4	97.7	46.7	47.7	46.2	188.2	188.9	190.1
Lincoln .....	14.3	14.5	14.6	6.7	6.8	7.0	28.1	28.4	28.6
Omaha .....	36.3	36.3	36.5	24.9	25.2	25.4	86.0	86.1	87.0
<b>Nevada</b> .....	25.7	26.3	26.4	31.6	33.3	33.5	126.6	134.7	136.4
Las Vegas .....	10.2	10.6	10.6	18.7	20.0	20.0	77.9	82.0	83.4
Reno .....	8.6	8.6	8.6	9.5	9.3	9.5	34.4	35.2	35.7
<b>New Hampshire</b> .....	111.8	105.5	105.6	18.3	18.3	18.2	136.2	128.7	128.2
Manchester .....	11.4	10.9	10.9	5.0	4.8	5.0	23.1	21.4	21.6
Nashua .....	33.3	31.9	31.8	3.0	3.1	3.1	23.7	21.3	21.4
Portsmouth-Dover-Rochester .....	20.8	18.2	16.5	2.7	2.6	2.6	28.1	26.5	26.5
<b>New Jersey</b> .....	650.4	623.2	615.8	244.0	243.9	243.3	925.0	900.0	914.3
Atlantic City .....	8.7	8.2	8.1	6.6	6.7	6.6	34.8	35.3	35.2
Bergen-Passaic .....	146.4	143.6	141.2	29.7	29.1	28.9	203.0	196.4	199.3
Camden .....	72.4	89.2	68.6	20.1	20.2	20.5	130.0	129.2	133.0
Jersey City .....	44.2	42.3	40.7	35.3	33.9	33.8	63.4	61.6	61.9
Middlesex-Somerset-Hunterdon .....	114.3	110.0	108.7	42.1	42.1	42.2	140.0	132.7	135.0
Monmouth-Ocean .....	28.1	26.8	26.5	17.6	17.4	17.6	94.6	94.7	95.9
Newark .....	174.1	167.7	167.0	83.3	84.3	84.3	205.7	199.2	201.6
Trenton .....	28.9	26.9	26.6	6.8	6.7	6.6	33.3	32.5	32.9
Vineland-Millville-Bridgeton .....	18.7	17.1	16.9	2.2	2.2	2.2	11.7	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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Maine</b> .....	25.3	25.1	24.9	123.4	123.1	122.5	99.5	98.2	97.9
Lewiston-Auburn .....	2.3	2.3	2.3	11.0	10.8	10.7	4.5	4.4	4.4
Portland .....	11.8	11.6	11.5	34.3	34.3	34.0	16.6	16.2	16.2
<b>Maryland</b> .....	132.2	132.6	132.8	594.9	604.9	601.6	420.1	427.1	426.8
Baltimore MSA .....	77.6	76.6	78.5	316.5	324.2	323.8	213.1	216.4	216.5
Baltimore City .....	46.1	45.7	45.7	154.2	154.2	154.3	93.2	98.3	95.8
Suburban Maryland-D.C. ....	46.2	46.2	46.1	226.8	228.9	227.3	164.8	171.6	171.5
<b>Massachusetts</b> .....	217.6	214.9	215.0	938.5	931.6	927.2	409.6	397.6	398.7
Boston .....	147.8	145.0	144.4	603.5	600.9	598.5	207.1	199.0	198.7
Brockton .....	3.6	3.5	3.5	16.4	16.8	16.9	12.5	11.9	12.0
Fall River .....	3.6	3.5	3.5	11.5	11.4	11.4	7.2	7.2	7.2
Fitchburg-Leominster .....	1.5	1.5	1.5	9.2	9.2	9.2	5.0	4.9	4.9
Lawrence-Haverhill .....	6.5	8.3	6.4	38.4	40.1	40.2	21.7	21.0	21.2
Lowell .....	3.7	3.3	3.3	22.2	21.9	22.1	13.5	13.3	13.3
New Bedford .....	2.5	2.4	2.4	15.4	15.4	15.3	10.0	9.6	9.3
Pittsfield .....	2.0	2.0	2.0	11.6	12.2	12.3	4.7	4.6	4.5
Springfield .....	15.4	14.4	14.3	61.8	61.3	61.3	39.7	38.5	36.8
Worcester .....	14.5	13.9	13.9	53.6	53.1	53.2	24.7	23.7	23.8
<b>Michigan</b> .....	189.8	192.3	192.6	905.1	919.5	921.6	649.6	656.6	652.2
Ann Arbor .....	4.5	4.6	4.7	37.0	39.8	39.7	56.9	60.8	60.7
Battle Creek .....	3.3	3.5	3.5	13.0	14.0	13.9	11.7	11.9	11.9
Benton Harbor .....	2.6	2.7	2.7	15.4	16.2	16.0	6.9	9.0	9.0
Detroit .....	111.6	113.9	114.1	513.4	521.2	525.5	243.3	245.4	243.0
Flint .....	6.1	6.5	6.4	33.9	35.7	36.0	24.3	24.5	24.7
Grand Rapids .....	15.7	16.1	16.1	76.7	77.5	77.5	35.1	35.5	35.4
Jackson .....	1.7	1.7	1.8	10.4	10.5	10.4	10.4	10.6	10.5
Kalamazoo .....	5.1	5.2	5.2	25.5	26.2	26.0	18.7	19.6	19.4
Lansing-East Lansing .....	12.8	12.9	13.0	42.4	44.3	43.7	71.7	73.8	71.0
Muskegon .....	1.5	1.5	1.5	12.1	12.4	12.2	10.0	9.8	9.9
Saginaw-Bay City-Midland .....	6.3	6.3	6.5	35.9	37.5	37.6	21.0	20.6	20.7
<b>Minnesota</b> .....	121.4	123.7	123.9	550.9	563.1	564.2	336.9	348.1	345.6
Duluth .....	3.3	3.2	3.2	23.7	24.0	24.3	21.9	22.2	21.9
Minneapolis-St. Paul .....	93.5	95.1	95.4	368.6	377.0	377.6	184.0	192.5	190.6
Rochester .....	1.6	1.7	1.7	27.5	28.1	28.1	6.6	6.6	6.7
St. Cloud .....	2.4	2.5	2.5	16.2	17.0	17.1	14.1	14.1	13.7
<b>Mississippi</b> .....	39.0	38.5	38.6	154.7	159.3	159.2	205.2	208.7	208.3
Jackson .....	14.8	14.5	14.5	42.3	43.6	43.4	42.5	43.4	43.5
<b>Missouri</b> .....	135.1	134.4	134.5	551.0	568.5	564.5	370.6	376.5	375.4
Kansas City .....	59.6	59.2	59.5	193.0	195.4	195.0	119.2	125.6	124.2
St. Louis .....	74.3	73.5	73.5	308.7	319.8	319.1	146.1	147.1	147.0
Springfield .....	5.5	5.6	5.7	30.7	31.6	31.3	15.8	15.7	15.7
<b>Montana</b> .....	13.3	13.4	13.4	73.3	74.5	75.0	70.0	71.9	70.7
<b>Nebraska</b> .....	48.7	48.0	48.0	169.0	176.5	175.0	144.2	155.5	151.0
Lincoln .....	8.5	8.5	8.5	28.0	29.0	28.8	32.2	34.5	32.8
Omaha .....	29.2	29.0	29.0	92.6	96.2	95.9	47.7	49.4	48.9
<b>Nevada</b> .....	25.9	27.8	27.7	258.7	274.5	270.6	74.3	79.3	79.5
Las Vegas .....	16.7	17.6	17.6	164.3	179.0	177.3	38.0	41.3	41.1
Reno .....	6.7	7.1	7.1	58.3	59.9	59.0	18.1	18.7	19.0
<b>New Hampshire</b> .....	32.6	31.7	31.4	123.0	125.3	126.2	74.5	76.1	76.8
Manchester .....	8.8	6.8	8.8	24.4	24.2	24.0	9.1	9.1	9.3
Nashua .....	3.2	3.1	3.1	19.4	18.4	19.0	8.1	8.2	8.2
Portsmouth-Dover-Rochester .....	7.4	7.1	7.1	21.8	22.2	21.8	26.7	26.7	26.8
<b>New Jersey</b> .....	241.4	237.7	238.1	956.7	981.6	978.8	568.2	574.7	575.9
Atlantic City .....	6.9	6.8	6.6	72.3	78.5	74.8	26.1	26.9	27.2
Bergen-Passaic .....	39.0	38.7	38.5	161.0	167.2	167.1	69.7	71.3	71.5
Camden .....	25.3	24.6	24.9	113.3	119.5	119.7	76.8	79.1	79.4
Jersey City .....	16.4	16.2	16.0	50.0	51.5	51.8	40.0	41.2	41.4
Middlesex-Somerset-Hunterdon .....	38.9	38.0	37.8	118.4	121.3	121.4	75.9	78.0	78.2
Monmouth-Ocean .....	19.9	19.0	19.1	98.4	99.8	99.0	64.7	64.5	64.8
Newark .....	60.0	78.8	78.8	265.9	273.8	274.6	141.7	144.8	144.4
Trenton .....	10.6	10.7	10.7	60.8	61.1	61.1	56.7	56.5	56.6
Vineland-Millville-Bridgeton .....	3.9	3.9	3.9	10.5	10.5	10.4	11.8	12.4	12.4

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>New Mexico</b> .....	570.2	574.3	574.3	15.0	15.0	15.1	29.3	28.6	28.1
Albuquerque .....	243.1	243.5	244.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.4	11.9	11.7
Las Cruces .....	44.8	45.2	45.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.3	2.2
Santa Fe .....	57.1	59.3	58.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.7	2.6
<b>New York</b> .....	8,390.2	8,279.9	8,263.8	5.8	5.9	5.2	328.0	304.2	290.5
Albany-Schenectady-Troy .....	434.9	439.6	438.4	.6	.7	.6	20.1	20.3	19.2
Binghamton .....	123.0	120.8	120.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	5.4	5.0
Buffalo .....	470.5	467.7	467.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.4	17.9	16.8
Elmira .....	42.0	41.5	41.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.8	1.7
Glens Falls .....	47.3	47.4	47.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.4
Nassau-Suffolk .....	1,162.4	1,135.6	1,133.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	57.5	52.2	50.9
New York PMSA .....	4,207.3	4,122.3	4,118.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	152.3	137.9	134.5
New York City .....	3,664.5	3,590.8	3,587.0	.4	.2	.2	120.1	108.4	106.3
Niagara Falls .....	86.9	87.6	86.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.5	4.1
Orange County .....	109.2	105.9	105.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	4.5	4.3
Poughkeepsie .....	123.1	121.6	122.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.6	6.2	5.7
Rochester .....	491.7	495.0	492.2	.8	.7	.7	19.2	19.4	18.1
Rockland County .....	104.4	103.9	103.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	4.7	4.7
Syracuse .....	317.8	319.5	319.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.8	14.2	13.2
Utica-Rome .....	129.1	126.7	128.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.6	3.1
Westchester County .....	419.0	408.5	406.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	24.9	22.7	21.8
<b>North Carolina</b> .....	3,129.1	3,122.5	3,117.5	4.9	5.0	4.9	164.6	160.5	159.7
Asheville .....	88.4	90.9	90.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.5	4.4
Charlotte-Gastonia-Rock Hill .....	628.5	639.1	638.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	36.3	37.9	37.8
Greensboro-Winston-Salem-High Point .....	492.0	486.1	485.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	24.6	24.4	24.1
Raleigh-Durham .....	432.2	431.5	431.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.2	21.4	21.4
<b>North Dakota</b> .....	281.8	270.3	269.0	4.0	4.4	4.3	8.5	10.3	8.6
Bismarck .....	39.5	40.9	41.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	2.1	1.9
Fargo-Moorhead .....	77.1	80.5	79.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	4.2	3.5
Grand Forks .....	32.4	33.2	33.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.3	1.1
<b>Ohio</b> .....	4,909.6	4,986.5	4,987.2	18.1	18.0	17.9	195.8	209.8	198.1
Akron .....	289.4	297.7	298.0	.6	.6	.6	9.9	10.9	10.2
Canton .....	187.2	189.1	188.7	.8	.8	.8	7.1	7.8	7.3
Cincinnati .....	748.2	762.4	765.0	.4	.4	.4	34.9	36.1	35.0
Cleveland .....	953.5	960.9	962.5	.9	.9	.9	33.8	35.6	33.7
Columbus .....	718.8	739.2	740.8	.8	1.0	.9	29.3	31.0	29.6
Dayton-Springfield .....	458.3	463.1	463.1	.4	.5	.5	17.7	18.0	17.2
Toledo .....	300.7	302.0	300.8	.2	.2	.2	12.3	13.0	12.2
Youngstown-Warren .....	202.1	201.4	202.8	.5	.5	.5	7.7	8.3	7.5
<b>Oklahoma</b> .....	1,169.2	1,177.3	1,179.8	44.3	45.3	44.8	34.8	35.3	35.9
Enid .....	21.6	21.5	21.6	.9	.9	.9	.6	.6	.6
Lawton .....	35.1	35.4	35.5	.3	.3	.3	.9	.9	.9
Oklahoma City .....	426.2	431.9	427.4	10.8	10.5	10.2	11.6	12.1	12.4
Tulsa .....	309.8	318.9	319.5	12.4	12.2	12.5	10.7	11.2	11.5
<b>Oregon</b> .....	1,230.1	1,265.6	1,260.0	1.4	1.5	1.3	45.1	51.5	49.7
Eugene-Springfield .....	118.5	120.5	118.8	.2	.2	.2	3.9	4.1	4.0
Portland .....	630.2	645.7	646.5	.4	.4	.4	25.5	27.3	26.4
Salem .....	104.7	106.3	106.5	.1	.1	.1	4.1	4.3	4.1
<b>Pennsylvania</b> .....	5,169.5	5,185.0	5,169.3	27.6	27.1	26.7	233.9	242.9	231.7
Allentown-Bethlehem .....	284.5	285.6	284.9	.6	.6	.5	13.0	13.2	12.8
Altoona .....	52.4	53.7	53.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.7	2.4
Beaver County .....	50.0	50.0	50.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.3	2.3
Erie .....	118.2	121.5	121.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	4.0	3.9
Harrisburg-Lebanon-Carlisle .....	313.5	320.8	320.8	.4	.5	.4	14.0	15.7	15.0
Johnstown .....	80.8	81.8	81.5	2.6	2.4	2.4	2.8	3.1	2.8
Lancaster .....	190.2	190.8	189.3	.4	.4	.4	11.9	12.5	12.2
Philadelphia PMSA .....	2,217.7	2,219.4	2,221.9	1.1	1.0	1.0	99.6	104.2	101.3
Philadelphia City .....	774.8	786.6	788.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.5	18.1	17.2
Pittsburgh .....	910.9	921.6	917.5	4.5	4.1	4.0	40.8	42.3	39.5

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>New Mexico</b> .....	42.5	43.4	43.2	30.9	28.7	28.8	137.1	136.2	136.8
Albuquerque .....	21.2	20.8	20.4	12.8	12.8	12.8	62.4	61.7	62.8
Las Cruces .....	3.7	3.8	3.9	1.7	1.5	1.5	9.3	9.4	9.5
Santa Fe .....	1.7	1.8	1.7	1.0	1.0	1.0	11.0	11.5	11.6
<b>New York</b> .....	1,179.0	1,128.7	1,118.5	426.5	429.5	431.4	1,792.2	1,714.4	1,721.2
Albany-Schenectady-Troy .....	46.3	46.9	46.8	17.7	17.8	17.9	98.4	95.6	98.4
Binghamton .....	35.8	32.6	33.0	4.4	4.5	4.5	26.3	26.7	26.9
Buffalo .....	77.8	74.3	73.5	22.9	22.6	22.7	122.0	120.3	122.0
Elmira .....	8.9	8.0	8.0	1.5	1.4	1.4	10.7	10.9	11.0
Glens Falls .....	10.4	9.7	9.8	1.6	1.4	1.4	11.8	11.4	11.4
Nassau-Suffolk .....	159.9	148.1	147.2	51.2	52.4	52.9	312.8	297.0	298.3
New York PMSA .....	432.3	410.3	402.6	250.4	246.4	249.1	781.0	735.5	739.3
New York City .....	355.4	340.0	332.8	224.5	222.5	222.9	653.3	613.0	616.2
Niagara Falls .....	24.1	22.8	22.5	4.0	4.2	4.1	21.5	21.9	22.1
Orange County .....	13.9	12.6	12.5	6.7	6.8	6.7	30.8	29.5	29.3
Poughkeepsie .....	30.6	29.4	30.0	3.7	3.9	3.9	23.4	22.4	22.7
Rochester .....	133.1	132.1	131.4	15.5	15.5	15.6	109.0	108.2	108.5
Rockland County .....	14.8	14.2	14.1	5.1	5.2	5.2	24.7	23.9	23.9
Syracuse .....	52.8	50.2	50.8	19.2	19.2	19.2	77.6	81.4	81.8
Utica-Rome .....	23.9	23.1	22.8	4.4	4.3	4.3	29.2	29.1	29.4
Westchester County .....	60.1	54.0	53.7	20.1	20.1	20.3	98.5	94.3	94.8
<b>North Carolina</b> .....	867.9	842.5	837.2	155.6	157.1	160.2	742.9	738.2	742.3
Asheville .....	20.2	20.2	20.0	4.3	4.2	4.3	22.8	23.0	23.0
Charlotte-Gastonia-Rock Hill .....	155.0	151.0	150.6	50.2	51.5	51.5	158.4	159.7	160.6
Greensboro-Winston-Salem-High Point .....	148.9	144.1	143.6	26.2	25.7	25.8	115.6	113.3	113.8
Raleigh-Durham .....	64.8	63.3	63.6	21.1	20.8	21.1	93.8	92.6	93.7
<b>North Dakota</b> .....	16.9	18.2	17.9	17.3	17.5	17.5	68.8	71.3	71.8
Bismarck .....	2.2	2.3	2.3	2.9	3.0	3.1	10.6	10.5	10.8
Fargo-Moorhead .....	5.4	6.1	5.8	4.9	4.9	4.9	22.2	22.5	22.6
Grand Forks .....	1.5	1.6	1.6	1.7	1.7	1.7	9.5	10.0	10.1
<b>Ohio</b> .....	1,121.7	1,109.4	1,106.1	220.4	221.8	222.8	1,216.7	1,230.0	1,244.2
Akron .....	87.7	88.8	89.0	13.3	13.5	13.5	73.6	74.5	75.3
Canton .....	45.6	45.1	44.9	5.6	5.6	5.7	43.0	42.9	43.2
Cincinnati .....	149.7	149.9	149.1	40.5	41.8	42.0	201.0	204.8	208.2
Cleveland .....	208.2	204.7	203.8	43.7	43.2	43.6	235.4	237.1	241.0
Columbus .....	105.2	105.4	105.3	31.5	32.0	32.1	188.9	195.1	197.1
Dayton-Springfield .....	104.3	103.4	102.5	18.0	18.7	18.8	104.6	105.2	106.8
Toledo .....	60.4	59.1	57.9	15.2	14.8	14.9	77.8	77.7	78.6
Youngstown-Warren .....	49.6	46.6	47.5	8.0	7.9	7.9	55.2	56.1	56.6
<b>Oklahoma</b> .....	165.0	162.6	163.1	66.0	66.3	65.5	282.5	282.9	284.3
Enid .....	1.6	1.5	1.5	2.2	2.0	2.1	6.3	6.2	6.3
Lawton .....	3.5	3.5	3.5	1.8	1.7	1.7	8.7	9.1	9.3
Oklahoma City .....	48.9	48.3	44.2	19.8	21.2	20.9	105.1	105.8	106.4
Tulsa .....	53.1	55.3	55.0	24.5	25.4	25.8	74.9	76.2	76.6
<b>Oregon</b> .....	216.2	212.4	210.0	65.2	64.6	64.2	324.8	330.1	333.0
Eugene-Springfield .....	20.8	19.5	18.8	4.6	4.4	4.3	31.2	31.5	31.6
Portland .....	101.9	102.8	102.6	38.8	38.2	38.6	172.3	173.7	175.6
Salem .....	13.9	15.3	13.8	2.9	2.8	2.8	24.4	24.3	24.5
<b>Pennsylvania</b> .....	1,040.7	1,022.7	1,015.9	256.8	256.8	256.1	1,208.8	1,200.3	1,209.3
Allentown-Bethlehem .....	75.0	74.7	74.0	14.1	14.3	14.3	65.2	65.0	65.8
Altoona .....	10.2	10.0	10.0	4.6	4.6	4.6	14.5	14.8	15.0
Beaver County .....	9.0	8.9	8.8	5.2	5.2	5.2	11.9	11.7	12.0
Erie .....	35.6	38.7	38.9	4.4	4.5	4.5	28.1	26.1	26.4
Harrisburg-Lebanon-Carlisle .....	51.1	50.1	49.6	19.2	19.6	19.8	72.7	72.7	73.3
Johnstown .....	14.4	14.7	14.4	5.2	5.1	5.1	17.3	17.7	17.5
Lancaster .....	58.9	56.0	55.8	7.5	7.6	7.4	47.7	48.0	48.2
Philadelphia PMSA .....	363.0	351.2	350.0	99.9	100.7	101.1	526.7	515.8	523.9
Philadelphia City .....	86.3	82.6	82.5	41.3	41.4	41.6	152.7	146.8	150.0
Pittsburgh .....	122.3	122.7	121.9	49.7	50.1	50.1	232.6	229.7	230.9

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	Finance, insurance, and real estate			Services			Government		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>New Mexico</b> .....	26.8	26.4	26.4	139.9	143.1	144.1	148.7	152.9	151.8
Albuquerque .....	14.3	14.2	14.2	71.2	72.1	72.4	48.7	50.1	49.8
Las Cruces .....	1.7	1.7	1.7	8.0	7.9	7.9	17.8	18.5	18.4
Santa Fe .....	1.9	2.1	2.1	15.1	15.8	15.5	23.6	24.3	24.0
<b>New York</b> .....	795.4	773.3	771.4	2,391.7	2,437.8	2,440.2	1,471.1	1,486.1	1,485.5
Albany-Schenectady-Troy .....	25.1	25.7	25.7	113.9	117.9	117.4	114.8	114.7	114.3
Binghamton .....	4.1	4.1	4.1	24.8	25.1	24.9	22.0	22.5	22.4
Buffalo .....	28.6	28.4	28.4	126.7	129.2	128.9	76.2	75.1	75.0
Elmira .....	1.4	1.5	1.5	10.7	10.8	10.8	7.2	7.2	7.2
Glens Falls .....	1.6	1.6	1.6	10.1	10.4	10.4	9.5	10.0	10.0
Nassau-Suffolk .....	84.4	83.6	83.7	307.2	314.8	314.0	189.5	187.4	186.8
New York PMSA .....	566.5	546.4	544.0	1,335.5	1,352.0	1,354.8	669.2	691.9	692.3
New York City .....	529.8	510.3	508.0	1,175.5	1,189.2	1,193.1	605.6	607.3	607.5
Niagara Falls .....	2.0	2.0	2.0	18.3	18.8	18.8	13.2	13.3	13.2
Orange County .....	4.8	4.9	4.9	23.7	23.9	23.9	24.4	23.8	23.8
Poughkeepsie .....	4.9	4.8	4.9	28.8	29.8	29.8	25.1	25.0	24.9
Rochester .....	22.9	23.1	22.7	123.1	127.4	126.5	68.2	68.7	68.5
Rockland County .....	5.4	5.5	5.5	27.4	28.2	28.1	21.9	22.2	22.1
Syracuse .....	20.2	20.4	20.4	77.8	79.2	79.0	53.1	54.9	55.1
Utica-Rome .....	7.5	7.7	7.7	27.9	29.0	28.9	32.3	31.9	32.0
Westchester County .....	30.8	29.9	29.8	127.3	129.3	128.3	57.6	58.3	58.4
<b>North Carolina</b> .....	132.9	133.7	133.6	572.4	589.0	586.3	487.9	496.5	493.3
Asheville .....	2.9	2.8	2.8	20.5	21.8	21.7	13.1	14.4	14.4
Charlotte-Gastonia-Rock Hill .....	38.6	38.5	38.5	117.9	124.7	124.3	72.1	75.8	74.9
Greensboro-Winston-Salem-High Point .....	23.5	23.2	23.2	97.7	101.0	100.3	55.5	54.4	54.5
Raleigh-Durham .....	24.0	24.0	23.9	110.8	111.7	111.6	95.7	97.7	96.2
<b>North Dakota</b> .....	12.3	12.4	12.4	68.8	69.8	69.9	67.2	66.4	66.6
Bismarck .....	1.5	1.5	1.5	11.8	12.5	12.4	9.0	9.0	9.2
Fargo-Moorhead .....	4.5	4.6	4.6	21.8	22.8	22.7	15.0	15.4	15.3
Grand Forks .....	1.2	1.2	1.2	7.0	7.3	7.2	10.3	10.1	10.1
<b>Ohio</b> .....	254.7	257.3	257.5	1,150.5	1,197.5	1,196.2	729.7	742.7	744.6
Akron .....	10.5	10.6	10.6	67.1	71.2	71.3	48.7	47.5	47.4
Canton .....	6.8	6.6	6.6	38.6	40.3	40.2	19.7	19.9	19.9
Cincinnati .....	42.7	43.2	43.2	187.2	191.2	191.7	91.7	95.1	95.3
Cleveland .....	57.1	57.8	57.9	254.6	261.6	261.4	119.9	118.8	120.1
Columbus .....	60.0	60.8	61.0	173.5	182.8	182.2	129.3	131.1	132.6
Dayton-Springfield .....	17.7	17.6	17.7	116.3	119.9	120.0	78.9	79.8	79.6
Toledo .....	12.0	12.1	12.0	77.1	79.2	79.2	45.8	45.8	45.5
Youngstown-Warren .....	8.7	8.6	8.6	48.9	48.2	48.2	25.5	25.2	25.9
<b>Oklahoma</b> .....	58.2	54.9	55.0	262.5	268.0	268.2	255.9	262.0	263.0
Enid .....	.9	.9	.9	5.2	5.4	5.3	3.9	4.0	4.0
Lawton .....	1.7	1.7	1.7	8.0	6.2	6.1	12.2	12.0	12.0
Oklahoma City .....	24.4	23.9	24.0	104.1	107.4	106.6	101.5	102.7	102.7
Tulsa .....	17.3	18.2	18.0	80.0	83.1	83.2	36.9	37.3	37.1
<b>Oregon</b> .....	75.4	77.4	77.8	281.1	296.4	296.5	220.9	231.7	227.5
Eugene-Springfield .....	5.6	5.9	5.9	27.9	29.1	28.8	24.3	25.8	25.2
Portland .....	49.9	50.6	50.9	157.3	165.0	165.3	84.1	87.7	86.7
Salem .....	5.5	5.8	5.6	22.3	23.5	23.4	31.5	32.4	32.2
<b>Pennsylvania</b> .....	296.9	293.3	293.6	1,392.5	1,423.9	1,418.9	712.3	718.0	715.1
Allentown-Bethlehem .....	14.4	14.2	14.3	70.7	71.3	71.0	31.5	32.3	32.2
Altoona .....	1.9	1.9	1.9	11.6	12.2	12.1	7.3	7.5	7.4
Beaver County .....	1.6	1.6	1.8	11.7	12.1	11.8	8.1	8.2	8.3
Erie .....	5.5	5.6	5.6	28.7	30.6	30.4	14.1	14.0	13.9
Harrisburg-Lebanon-Carlisle .....	21.0	21.9	22.0	87.7	71.8	71.9	67.4	68.5	68.6
Johnstown .....	4.4	4.3	4.3	21.2	21.4	21.9	12.9	12.9	13.1
Lancaster .....	7.4	7.6	7.6	39.6	41.4	41.0	16.8	17.1	16.7
Philadelphia PMSA .....	158.8	159.1	159.1	659.1	677.1	675.4	309.5	310.3	310.1
Philadelphia City .....	69.5	68.9	69.0	263.7	266.3	265.8	143.6	142.5	142.0
Pittsburgh .....	54.5	54.9	54.8	296.5	304.8	304.8	110.0	113.0	111.5

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Pennsylvania-Continued</b>									
Reading .....	158.2	158.9	158.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	7.9	7.7
Scranton-Wilkes-Barre .....	308.7	312.0	310.4	0.6	0.6	0.6	13.9	15.4	13.8
Sharon .....	43.4	45.3	45.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.6	1.4
State College .....	59.3	62.2	61.3	.3	.3	.3	2.9	3.4	3.0
Williamsport .....	52.3	53.1	52.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.9	2.7
York .....	182.6	181.4	181.5	.4	.4	.4	10.7	11.0	10.6
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	463.4	454.0	451.4	.1	.1	.1	19.4	16.9	16.2
Providence .....	134.8	131.8	130.8	.2	.2	.2	5.1	4.3	4.2
	396.2	390.8	389.7	.1	.1	.1	15.4	14.1	13.5
<b>South Carolina</b>									
Charleston .....	1,534.4	1,574.8	1,570.4	1.8	1.8	1.8	97.4	104.2	103.5
Columbia .....	201.4	210.0	210.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.1	14.9	14.6
Greenville-Spartanburg .....	242.4	248.9	248.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.9	17.0	17.2
	399.4	344.0	344.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.3	23.9	23.7
<b>South Dakota</b>									
Rapid City .....	277.7	286.7	285.1	2.7	2.7	2.7	9.4	11.1	9.7
Sioux Falls .....	37.1	37.4	37.0	.3	.3	.3	1.8	2.0	1.9
	71.3	74.5	74.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.5	3.2
<b>Tennessee</b>									
Chattanooga .....	2,181.2	2,185.0	2,173.9	6.3	6.3	6.2	98.4	98.2	94.1
Johnson City-Kingsport-Bristol .....	196.8	198.2	196.9	.8	.8	.8	8.0	8.6	8.4
Knoxville .....	173.1	173.5	173.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.9	8.0	7.9
Memphis .....	264.7	262.5	261.4	1.8	1.9	1.9	15.3	14.5	14.1
Nashville .....	462.8	473.0	472.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.1	19.6	19.4
	495.4	500.1	499.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	24.6	24.3	24.1
<b>Texas</b>									
Abilene .....	8,904.7	7,014.4	7,022.2	174.8	181.9	182.7	315.3	325.9	326.3
Amarillo .....	49.0	49.1	49.1	1.5	1.5	1.5	1.4	1.6	1.6
Austin .....	77.0	77.2	77.2	1.1	1.0	1.0	3.4	3.4	3.3
Beaumont-Port Arthur .....	368.4	373.8	372.4	.7	.6	.7	10.8	10.9	10.7
Brazoria .....	137.2	142.4	143.0	1.5	1.7	1.7	10.3	11.7	11.8
Brownsville-Harlingen .....	63.1	65.4	65.6	2.0	2.0	2.1	8.5	9.2	9.2
Bryan-College Station .....	74.9	76.1	78.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.2	2.2
Corpus Christi .....	53.4	55.5	55.2	.5	.5	.5	1.3	1.4	1.3
Dallas .....	128.7	132.6	133.3	3.5	3.6	3.6	10.0	11.3	11.3
El Paso .....	1,367.2	1,374.4	1,376.0	17.1	17.2	17.2	45.8	46.3	46.1
Ft. Worth-Arlington .....	206.9	209.1	210.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	8.1	8.1
Galveston-Texas City .....	571.2	580.3	581.8	4.1	4.1	4.2	21.1	20.3	20.2
Houston .....	73.4	75.2	74.8	.5	.6	.7	6.1	6.2	6.1
Killeen-Temple .....	1,536.6	1,569.4	1,578.2	67.0	70.2	70.7	98.5	101.1	100.1
Laredo .....	74.0	73.7	73.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.8	2.7
Longview-Marshall .....	44.2	45.0	45.0	1.6	1.7	1.7	1.4	1.3	1.3
Lubbock .....	68.3	68.5	68.8	3.4	3.4	3.4	3.4	3.4	3.3
McAllen-Edinburg-Mission .....	97.8	98.5	98.8	.3	.2	.2	3.1	3.2	3.3
Midland .....	101.8	102.3	102.8	.9	.9	.9	4.3	4.5	4.4
Odessa .....	44.9	45.4	45.5	8.7	8.9	9.0	1.3	1.4	1.3
San Angelo .....	42.8	43.9	43.8	5.2	5.4	5.3	2.0	2.0	2.0
San Antonio .....	36.6	36.4	36.0	.6	.6	.5	1.1	1.2	1.2
Sherman-Denison .....	518.1	520.0	521.4	2.2	2.2	2.3	21.0	21.2	21.4
Texarkana .....	37.4	37.3	37.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.7	1.6
Tyler .....	48.1	46.4	46.8	.1	.1	.1	1.6	1.4	1.4
Victoria .....	61.9	62.3	62.5	1.7	1.7	1.7	1.7	1.8	1.8
Waco .....	28.2	27.9	28.3	1.4	1.5	1.5	1.7	1.6	1.6
Wichita Falls .....	61.7	63.1	63.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.9	3.0
	50.7	50.4	50.6	1.4	1.4	1.4	1.5	1.6	1.6

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	48.4	46.1	45.6	6.7	8.7	6.8	35.9	36.4	36.5
Scranton-Wilkes-Barre .....	70.2	69.3	69.0	16.3	16.7	16.7	75.3	75.2	75.8
Sharon .....	11.5	11.8	11.8	1.9	2.0	2.0	10.5	10.6	10.5
State College .....	8.0	7.9	8.0	1.6	1.6	1.6	11.9	12.1	12.1
Williamsport .....	16.0	15.2	14.9	1.8	1.9	1.9	12.1	12.1	12.2
York .....	60.2	57.8	57.5	7.5	7.5	7.5	45.3	45.9	46.2
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	107.3	104.4	102.5	15.2	15.5	15.4	109.6	105.0	105.0
Providence .....	50.0	48.6	48.0	3.9	3.9	3.8	35.0	34.8	34.9
	70.8	68.1	66.6	11.9	11.3	11.5	76.0	71.9	72.2
<b>South Carolina</b>									
Charleston .....	393.2	382.3	379.5	64.2	66.2	68.0	347.6	348.4	348.9
Columbia .....	20.5	21.5	21.3	10.4	10.1	10.1	51.1	52.9	53.3
Greenville-Spartanburg .....	28.4	28.6	28.3	10.9	11.4	11.4	55.8	54.3	54.9
	103.0	100.4	99.7	13.3	13.5	13.5	80.6	82.4	83.3
<b>South Dakota</b>									
Rapid City .....	31.3	32.1	31.8	13.3	14.0	14.1	74.3	76.4	76.4
Sioux Falls .....	3.8	3.7	3.7	2.0	2.0	1.9	10.9	11.2	11.1
	8.3	8.2	8.2	5.1	5.2	5.2	20.6	21.1	21.4
<b>Tennessee</b>									
Chattanooga .....	524.2	516.9	514.1	116.3	116.4	116.4	518.1	517.9	517.1
Johnson City-Kingsport-Bristol .....	46.8	45.8	45.0	7.7	8.0	8.0	46.9	46.3	46.2
Knoxville .....	54.7	52.5	52.2	6.3	6.5	6.5	40.0	39.9	40.0
Memphis .....	51.8	46.8	46.6	10.4	11.1	11.0	68.8	68.5	68.4
Nashville .....	61.3	60.6	60.1	46.6	47.8	47.9	127.3	128.6	129.1
	90.5	89.3	88.9	26.4	26.7	26.8	119.4	120.7	121.0
<b>Texas</b>									
Abilene .....	969.3	964.7	962.7	406.9	419.4	420.7	1,719.9	1,720.0	1,730.2
Amarillo .....	4.9	4.5	4.5	2.6	2.7	2.7	13.5	13.5	13.5
Austin .....	9.1	9.1	9.2	5.7	5.7	5.7	22.4	21.7	21.8
Beaumont-Port Arthur .....	45.5	46.0	45.6	11.3	11.3	11.4	80.6	78.8	79.5
Brazoria .....	24.7	25.4	25.3	9.5	9.7	9.7	32.8	33.3	33.5
Brownsville-Harlingen .....	16.1	16.8	16.7	2.6	2.6	2.6	11.7	11.9	12.1
Bryan-College Station .....	10.8	10.6	10.7	3.2	3.1	3.2	20.4	20.2	20.4
Corpus Christi .....	3.7	3.6	3.5	1.5	1.5	1.5	11.8	12.0	11.9
Dallas .....	11.4	12.3	12.5	6.8	6.9	6.8	31.9	32.0	31.9
El Paso .....	223.2	219.5	218.2	80.2	80.7	80.8	358.2	365.8	369.0
Ft. Worth-Arlington .....	40.9	41.3	41.5	10.3	10.5	10.5	53.5	53.4	54.0
Galveston-Texas City .....	120.0	116.6	116.1	53.7	57.0	57.1	146.7	147.7	148.7
Houston .....	8.9	8.7	8.6	4.7	5.2	5.1	13.7	13.8	13.9
Killeen-Temple .....	163.2	166.2	168.3	106.5	108.1	109.1	379.6	376.4	381.6
Laredo .....	8.8	9.0	9.1	2.7	2.5	2.4	17.1	16.2	16.1
Longview-Marshall .....	1.8	1.9	1.8	6.2	6.1	6.2	14.3	14.5	14.5
Lubbock .....	16.2	15.7	16.0	3.3	3.3	3.3	17.3	17.2	17.3
McAllen-Edinburg-Mission .....	7.4	7.1	7.1	5.7	5.9	6.0	28.5	28.5	29.2
Midland .....	13.4	13.8	13.5	3.1	3.0	3.1	32.8	31.7	32.1
Odessa .....	2.3	2.4	2.4	2.3	2.3	2.3	11.1	11.2	11.3
San Angelo .....	4.1	4.1	4.1	1.9	1.9	1.9	12.8	13.0	13.2
San Antonio .....	5.4	5.0	4.8	2.7	2.5	2.5	9.0	8.9	8.9
Sherman-Denison .....	48.7	45.6	45.7	19.5	19.8	19.8	131.9	134.3	135.8
Texarkana .....	11.0	10.7	10.7	1.5	1.3	1.3	8.2	8.3	8.2
Tyler .....	7.3	7.2	7.2	2.4	2.4	2.4	11.3	10.7	11.0
Victoria .....	10.7	10.9	10.8	2.7	2.9	2.8	16.7	16.5	16.7
Waco .....	3.1	3.1	3.1	1.2	1.3	1.3	7.6	7.6	7.8
Wichita Falls .....	15.7	16.1	16.3	3.5	3.5	3.5	19.1	18.8	19.1
	8.5	7.9	7.8	2.5	2.6	2.6	12.2	12.0	12.3

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	8.9	9.1	9.2	32.8	33.4	33.2	18.4	19.3	19.1
Scranton—Wilkes-Barre .....	13.3	13.4	13.3	75.9	78.4	78.1	43.2	43.0	43.1
Sharon .....	1.3	1.4	1.4	11.8	12.5	12.6	5.1	5.4	5.4
State College .....	1.8	1.9	1.9	10.8	10.7	10.8	22.0	24.3	23.6
Williamport .....	2.3	2.4	2.4	10.5	11.3	11.4	7.2	7.3	7.3
York .....	5.0	5.1	5.1	34.6	35.2	35.6	18.9	18.5	18.6
<b>Rhode Island</b>									
Pawtucket—Woonsocket—Attleboro .....	4.0	4.0	3.9	26.4	25.8	25.8	10.2	10.0	10.0
Providence .....	22.2	22.1	21.8	94.4	97.5	97.8	45.4	45.7	46.4
<b>South Carolina</b>									
Charleston .....	8.4	8.7	8.6	42.2	46.1	46.1	54.7	55.8	56.1
Columbia .....	18.4	18.0	17.9	47.5	48.6	48.9	87.5	69.0	69.4
Greenville—Spartanburg .....	12.4	12.5	12.5	63.7	67.4	67.7	43.1	43.9	43.8
<b>South Dakota</b>									
Rapid City .....	1.6	1.5	1.5	9.3	9.3	9.3	7.4	7.4	7.3
Sioux Falls .....	7.6	8.0	8.0	19.0	20.1	20.1	7.9	8.4	8.4
<b>Tennessee</b>									
Chattanooga .....	12.8	13.4	13.5	40.5	41.7	41.4	33.3	33.6	33.6
Johnson City—Kingsport—Bristol .....	5.3	5.1	5.2	32.3	34.8	34.7	26.6	26.7	26.7
Knoxville .....	9.7	10.4	10.5	55.6	55.6	55.3	51.2	51.7	51.6
Memphis .....	26.1	26.4	26.4	107.9	113.0	112.9	74.3	77.0	76.6
Nashville .....	32.3	31.9	31.9	132.4	137.7	137.6	69.8	69.5	69.4
<b>Texas</b>									
Abilene .....	2.2	2.2	2.2	14.0	14.2	14.2	8.9	8.9	8.9
Amarillo .....	4.0	3.9	3.9	17.0	17.4	17.5	14.3	15.0	14.8
Austin .....	23.9	23.6	23.6	91.3	94.0	93.6	104.3	108.6	107.3
Beaumont—Port Arthur .....	5.3	5.4	5.4	31.9	33.9	34.2	21.2	21.3	21.4
Brazoria .....	1.8	1.8	1.8	8.8	9.1	9.1	11.6	12.0	12.0
Brownsville—Harlingen .....	3.8	3.8	3.7	17.4	18.3	18.3	17.2	17.9	17.9
Bryan—College Station .....	1.8	1.7	1.7	8.9	9.5	9.8	23.9	25.3	25.2
Corpus Christi .....	8.4	6.2	6.3	30.3	30.8	31.3	28.4	29.5	29.8
Dallas .....	130.1	126.1	126.3	352.5	353.6	353.5	160.1	165.2	164.9
El Paso .....	8.4	8.5	8.3	41.9	42.7	43.0	43.9	44.8	44.7
Ft. Worth—Arlington .....	27.9	27.5	27.5	123.8	127.1	128.2	73.9	80.0	79.8
Galveston—Texas City .....	4.4	4.4	4.4	13.4	13.8	13.5	21.7	22.5	22.5
Houston .....	101.3	102.6	102.1	420.7	435.9	437.3	199.8	208.9	209.0
Killeen—Temple .....	3.1	3.2	3.2	17.5	17.2	17.2	21.9	22.8	22.7
Laredo .....	1.8	1.9	1.9	7.4	7.5	7.5	9.7	10.1	10.1
Longview—Marshall .....	2.7	2.8	2.6	13.3	13.9	13.9	8.7	9.0	9.0
Lubbock .....	5.4	5.3	5.2	23.9	24.1	23.8	23.5	24.2	24.0
McAllen—Edinburg—Mission .....	4.4	4.4	4.2	16.8	17.0	17.5	26.1	27.0	27.1
Midland .....	2.4	2.4	2.4	9.6	9.6	9.6	7.2	7.2	7.2
Odessa .....	1.6	1.5	1.5	7.5	8.0	7.8	7.7	8.0	8.0
San Angelo .....	1.7	1.6	1.6	8.9	8.9	8.9	7.4	7.7	7.6
San Antonio .....	41.3	40.2	40.1	132.8	133.8	132.7	120.7	122.9	123.6
Sherman—Denison .....	1.9	1.9	1.9	8.8	8.9	8.8	4.4	4.5	4.5
Texarkana .....	1.8	1.8	1.7	10.5	11.1	11.0	13.1	11.7	11.8
Tyler .....	3.5	3.3	3.3	15.0	15.3	15.5	9.9	9.9	9.9
Victoria .....	1.5	1.5	1.5	5.9	5.9	6.0	5.8	5.4	5.5
Waco .....	5.1	5.1	5.0	22.5	23.2	23.1	13.0	13.5	13.4
Wichita Falls .....	2.3	2.3	2.2	12.6	12.6	12.7	9.7	10.0	10.0

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	Total			Mining			Construction		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Utah</b> .....	713.7	744.7	747.5	8.4	8.7	8.7	26.8	29.4	28.1
Provo-Orem .....	89.6	99.3	99.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	3.0	2.9
Salt Lake City-Ogden .....	490.4	505.0	506.9	2.8	2.9	2.9	18.5	20.5	19.3
<b>Vermont</b> .....	266.9	254.8	257.3	.5	.5	.5	18.0	15.5	14.4
Barre-Montpelier .....	35.4	34.1	33.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.4	2.5
Burlington .....	82.0	80.1	80.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	4.2	4.0
<b>Virginia</b> .....	2,913.4	2,938.2	2,929.1	15.2	16.1	15.8	188.4	184.0	176.4
Bristol .....	34.1	33.5	33.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.2	1.1
Charlottesville .....	74.8	74.6	74.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.0	3.9
Danville .....	43.4	42.6	42.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.1	2.0
Lynchburg .....	77.4	77.5	77.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.8	3.8
Norfolk-Virginia Beach-Newport News .....	592.0	590.8	588.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	37.3	35.9	34.8
Northern Virginia .....	789.8	777.3	777.4	.6	.5	.5	59.9	49.5	47.5
Richmond-Petersburg .....	478.0	480.0	480.6	.8	.8	.8	29.6	30.8	29.8
Roanoke .....	126.3	129.1	129.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.6	7.6	7.4
<b>Washington</b> .....	2,104.9	2,179.8	2,173.5	3.5	3.9	3.8	109.1	123.2	119.8
Seattle .....	1,091.5	1,120.9	1,123.6	.6	.6	.6	58.1	59.3	58.0
<b>West Virginia</b> .....	621.0	629.8	627.5	35.4	35.6	35.4	22.8	26.0	24.2
Charleston .....	110.1	111.6	111.8	2.0	2.0	1.9	3.9	5.0	4.8
Huntington-Ashland .....	112.0	111.0	111.4	1.4	1.6	1.6	5.5	4.8	4.7
Parkersburg-Marietta .....	61.8	62.2	62.4	.5	.5	.5	3.2	3.1	2.9
Wheeling .....	60.8	61.9	61.9	2.1	2.4	2.4	2.0	2.3	2.1
<b>Wisconsin</b> .....	2,262.0	2,298.1	2,286.9	2.0	2.4	2.0	82.3	86.5	81.8
Appleton-Oshkosh-Neenah .....	159.1	162.9	161.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.2	7.7	7.4
Eau Claire .....	61.7	63.3	62.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.5	2.2
Green Bay .....	104.1	107.0	106.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	6.0	5.6
Janesville-Beloit .....	59.8	59.7	59.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	1.8
Kenosha .....	40.7	41.2	41.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.6	1.6
La Crosse .....	54.4	55.2	55.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.9	1.8
Madison .....	216.6	224.9	223.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.7	9.0	8.5
Milwaukee .....	763.6	772.5	775.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	28.5	29.1	28.4
Racine .....	78.2	79.0	78.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	2.5	2.3
Sheboygan .....	52.7	53.0	53.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.4	1.3
Wausau .....	54.6	56.0	55.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.4	2.4
<b>Wyoming</b> .....	193.8	197.1	195.5	17.1	18.2	18.0	9.2	10.7	9.5
Casper .....	28.3	28.5	28.6	2.4	2.6	2.6	1.4	1.5	1.4
<b>Puerto Rico</b> .....	847.2	843.5	852.3	.8	.9	( <sup>2</sup> )	44.0	45.0	( <sup>2</sup> )
Caguas .....	53.3	53.2	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.5	( <sup>2</sup> )
Mayaguez .....	60.4	58.2	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	1.8	( <sup>2</sup> )
Ponce .....	57.8	58.0	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.6	( <sup>2</sup> )
San Juan .....	523.5	520.4	( <sup>2</sup> )	.5	.5	( <sup>2</sup> )	32.4	32.2	( <sup>2</sup> )
<b>Virgin Islands</b> .....	39.9	41.3	41.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.5	2.5

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Utah</b> .....	104.0	109.1	109.2	43.2	43.2	44.0	176.6	181.3	183.7
Provo-Orem .....	13.5	14.3	14.2	2.8	2.8	2.5	21.0	23.9	24.4
Salt Lake City-Ogden .....	67.0	69.4	69.4	32.6	33.3	33.5	125.7	126.7	128.1
<b>Vermont</b> .....	47.0	43.5	43.4	10.7	10.8	10.7	63.7	60.8	61.4
Barre-Montpelier .....	5.1	4.7	4.6	.9	.9	.8	7.9	7.3	7.4
Burlington .....	15.8	14.5	14.5	3.5	3.4	3.5	20.7	20.9	21.4
<b>Virginia</b> .....	428.2	417.2	413.5	154.0	155.2	156.6	685.2	679.7	683.6
Bristol .....	10.9	10.0	10.1	1.3	1.3	1.4	9.1	9.0	9.0
Charlottesville .....	9.2	8.8	8.9	2.7	2.8	2.9	15.4	15.4	15.4
Danville .....	17.2	15.9	16.1	1.0	1.1	1.1	9.5	9.8	9.8
Lynchburg .....	23.8	23.0	22.9	3.0	2.6	2.7	17.5	17.6	17.7
Norfolk-Virginia Beach-Newport News .....	67.5	67.0	67.2	26.9	28.1	28.5	149.0	144.4	143.6
Northern Virginia .....	35.3	33.9	33.4	55.3	55.9	56.2	183.1	181.1	183.4
Richmond-Petersburg .....	64.4	63.0	62.8	25.2	24.4	24.5	117.1	113.2	114.8
Roanoke .....	19.8	19.8	19.6	7.8	7.9	8.0	34.8	36.0	36.2
<b>Washington</b> .....	366.4	364.5	359.9	111.9	115.1	114.8	522.6	538.0	541.1
Seattle .....	221.1	219.4	219.7	69.1	71.3	72.2	266.8	272.7	274.9
<b>West Virginia</b> .....	87.4	84.3	84.2	36.5	36.9	36.8	148.4	148.1	148.7
Charleston .....	10.9	10.4	10.5	9.3	9.1	9.1	29.6	30.2	30.6
Huntington-Ashland .....	20.6	20.5	20.4	8.0	7.6	7.6	29.0	28.6	29.1
Parkersburg-Marietta .....	14.2	14.0	14.2	2.5	2.5	2.5	15.5	15.4	15.7
Wheeling .....	7.2	7.4	7.4	3.4	3.4	3.3	17.3	17.2	17.6
<b>Wisconsin</b> .....	552.4	552.9	551.2	102.3	102.4	102.7	542.6	550.4	552.0
Appleton-Oshkosh-Neenah .....	53.6	53.2	52.9	5.4	5.7	5.7	36.3	37.9	37.8
Eau Claire .....	11.4	10.8	10.7	3.4	3.5	3.4	17.3	17.8	17.8
Green Bay .....	24.6	24.8	24.3	7.3	7.6	7.6	27.2	26.9	27.1
Janesville-Beloit .....	18.2	17.7	17.8	2.3	2.3	2.3	13.7	14.0	14.1
Kenosha .....	9.9	8.9	9.7	1.6	1.7	1.7	10.7	11.5	11.6
La Crosse .....	10.3	10.1	10.2	2.3	2.4	2.5	14.7	14.7	15.0
Madison .....	25.0	26.4	26.4	6.8	6.5	6.6	51.8	53.6	54.0
Milwaukee .....	173.6	172.6	172.5	37.9	37.2	38.1	178.4	181.2	183.8
Racine .....	26.5	25.9	25.9	2.4	2.2	2.2	18.5	19.5	19.6
Sheboygan .....	22.1	22.1	22.0	1.8	1.8	1.8	9.8	10.1	10.2
Wausau .....	15.2	15.2	15.1	3.1	3.1	3.1	14.1	14.4	14.3
<b>Wyoming</b> .....	9.0	9.7	9.6	14.8	14.8	14.6	44.6	45.1	44.8
Casper .....	1.7	1.7	1.7	1.8	1.8	1.8	8.1	7.9	8.0
<b>Puerto Rico</b> .....	159.4	153.8	( <sup>a</sup> )	19.0	19.1	( <sup>a</sup> )	160.7	159.8	( <sup>a</sup> )
Caguas .....	15.1	15.2	( <sup>a</sup> )	.4	.4	( <sup>a</sup> )	11.9	11.5	( <sup>a</sup> )
Mayaguez .....	20.8	19.3	( <sup>a</sup> )	.4	.5	( <sup>a</sup> )	8.9	8.6	( <sup>a</sup> )
Ponce .....	10.6	10.1	( <sup>a</sup> )	1.9	1.8	( <sup>a</sup> )	9.6	9.2	( <sup>a</sup> )
San Juan .....	68.0	67.2	( <sup>a</sup> )	14.3	14.0	( <sup>a</sup> )	109.1	108.2	( <sup>a</sup> )
<b>Virgin Islands</b> .....	2.1	2.4	2.4	2.1	2.3	2.3	9.7	10.2	10.4

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Utah</b> .....	33.8	34.4	34.5	172.8	186.1	187.6	148.1	152.5	151.7
Provo-Orem .....	2.3	2.3	2.3	33.6	37.8	37.9	14.1	15.4	15.0
Salt Lake City-Ogden .....	27.5	28.3	28.4	118.3	124.5	126.4	98.0	99.4	98.9
<b>Vermont</b> .....	13.0	12.5	12.4	68.7	66.2	69.0	45.3	45.0	45.5
Barre-Montpelier .....	3.1	2.7	2.7	7.8	8.0	8.0	7.9	8.1	7.9
Burlington .....	4.1	4.1	4.1	19.9	20.2	20.0	12.7	12.8	13.2
<b>Virginia</b> .....	153.7	153.7	153.2	707.1	741.6	739.4	581.6	590.7	590.6
Bristol .....	1.2	1.1	1.1	5.1	5.3	5.2	5.4	5.6	5.4
Charlottesville .....	4.7	4.6	4.6	13.4	14.1	14.0	25.1	24.9	24.8
Danville .....	1.3	1.3	1.3	6.6	6.8	6.7	5.6	5.6	5.6
Lynchburg .....	3.7	3.7	3.7	16.3	16.7	16.5	9.6	9.9	9.9
Norfolk-Virginia Beach-Newport News .....	27.0	27.3	27.1	147.4	151.4	151.0	136.9	136.7	136.6
Northern Virginia .....	51.4	50.6	50.6	254.4	255.5	254.5	149.8	150.3	151.3
Richmond-Petersburg .....	40.0	39.5	39.6	104.3	109.9	110.0	96.6	98.4	98.3
Roanoke .....	8.9	8.8	8.8	31.7	32.8	33.1	15.7	16.4	15.9
<b>Washington</b> .....	115.1	117.8	117.6	486.9	512.3	515.3	389.4	405.0	401.0
Seattle .....	72.6	74.2	74.4	258.6	272.4	273.5	144.6	151.0	150.3
<b>West Virginia</b> .....	24.1	24.3	24.4	138.7	148.3	147.7	127.7	126.3	126.1
Charleston .....	6.3	6.2	6.2	27.7	28.6	28.7	20.4	19.9	20.0
Huntington-Ashland .....	3.6	3.8	3.8	24.2	24.7	24.9	19.5	19.2	19.3
Parkersburg-Marietta .....	2.2	2.2	2.2	14.3	14.8	14.7	9.4	9.7	9.7
Wheeling .....	3.0	3.1	3.1	16.6	16.8	16.8	9.2	9.3	9.2
<b>Wisconsin</b> .....	119.4	121.9	122.4	515.8	527.2	525.1	345.1	354.2	349.8
Appleton-Oshkosh-Neenah .....	7.5	7.8	7.9	31.5	32.1	32.1	17.7	18.5	17.9
Eau Claire .....	1.9	1.9	1.9	14.2	14.9	15.0	11.7	11.9	11.4
Green Bay .....	4.1	4.5	4.5	24.6	25.4	25.6	11.2	12.0	11.9
Janesville-Beloit .....	1.7	1.6	1.6	13.7	14.2	14.2	8.2	8.0	7.8
Kenosha .....	1.3	1.3	1.3	9.2	9.7	9.4	6.3	6.5	6.5
La Crosse .....	1.7	1.7	1.7	15.6	16.1	16.1	8.0	8.3	8.3
Madison .....	19.0	19.5	19.7	47.5	49.0	48.7	58.6	60.9	59.7
Milwaukee .....	51.0	51.7	51.5	208.0	213.1	213.5	86.1	87.7	87.6
Racine .....	2.4	2.5	2.5	16.9	17.6	17.5	8.5	8.9	8.9
Sheboygan .....	2.6	2.4	2.4	9.2	9.9	9.9	5.9	5.5	5.5
Wausau .....	3.4	3.4	3.5	10.2	11.0	11.1	6.4	6.5	6.3
<b>Wyoming</b> .....	7.2	7.3	7.3	35.3	35.1	35.3	56.8	56.4	56.4
Casper .....	1.4	1.4	1.4	6.4	6.5	6.5	5.1	5.1	5.2
<b>Puerto Rico</b> .....	36.4	35.8	( <sup>2</sup> )	133.9	138.2	( <sup>2</sup> )	292.9	290.8	( <sup>2</sup> )
Caguas .....	1.3	1.5	( <sup>2</sup> )	6.6	6.6	( <sup>2</sup> )	16.5	16.5	( <sup>2</sup> )
Mayaguez .....	1.3	1.3	( <sup>2</sup> )	7.8	8.0	( <sup>2</sup> )	19.0	18.6	( <sup>2</sup> )
Ponce .....	1.8	1.7	( <sup>2</sup> )	10.8	12.0	( <sup>2</sup> )	19.0	19.6	( <sup>2</sup> )
San Juan .....	29.5	29.5	( <sup>2</sup> )	95.5	97.7	( <sup>2</sup> )	174.1	171.0	( <sup>2</sup> )
<b>Virgin Islands</b> .....	1.9	2.0	1.9	8.4	8.7	9.0	13.3	13.2	13.2

<sup>1</sup> Combined with construction.

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

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

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

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
	<b>Annual averages</b>								
1964 .....	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965 .....	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966 .....	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967 .....	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968 .....	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969 .....	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970 .....	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971 .....	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972 .....	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973 .....	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974 .....	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975 .....	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976 .....	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977 .....	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978 .....	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979 .....	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980 .....	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981 .....	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982 .....	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983 .....	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984 .....	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985 .....	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986 .....	34.8	8.76	304.85	42.2	12.46	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 <sup>o</sup> .....	34.5	10.03	346.04	44.1	13.65	601.97	38.2	13.73	524.49
	<b>Monthly data, not seasonally adjusted</b>								
<b>1990:</b>									
January .....	34.1	\$9.87	\$336.57	43.6	\$13.46	\$586.86	37.6	\$13.59	\$510.98
February .....	34.2	9.91	338.92	43.3	13.46	582.82	37.3	13.59	506.91
March .....	34.3	9.93	340.60	43.0	13.57	583.51	37.9	13.63	516.58
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 <sup>o</sup> .....	34.7	10.20	353.94	45.7	13.81	631.12	38.4	13.87	532.61
<b>1991:</b>									
January <sup>o</sup> .....	33.7	10.24	345.09	43.9	14.04	616.36	35.9	13.97	501.52

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers' 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
<b>Annual averages</b>										
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 <sup>a</sup> .....	40.8	10.84	10.38	442.27	38.9	12.95	503.76	38.1	10.80	411.48
<b>Monthly data, not seasonally adjusted</b>										
<b>1990:</b>										
January .....	40.6	\$10.60	\$10.16	\$430.36	37.8	\$12.79	\$483.46	37.8	\$10.61	\$401.06
February .....	40.4	10.68	10.25	431.47	38.4	12.87	494.21	37.8	10.66	402.95
March .....	40.7	10.75	10.30	437.53	38.7	12.83	496.52	37.9	10.66	404.01
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	440.84	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 <sup>a</sup> .....	41.3	11.07	10.58	457.19	39.0	13.09	510.51	38.4	11.07	425.09
<b>1991:</b>										
January <sup>a</sup> .....	40.1	11.06	10.63	443.51	38.1	13.15	501.02	37.7	11.07	417.34

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private 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
<b>Annual averages</b>									
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	108.58	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 .....	29.6	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 <sup>p</sup> .....	28.8	6.78	195.26	35.8	9.99	357.64	32.6	9.86	321.44
<b>Monthly data, not seasonally adjusted</b>									
<b>1990:</b>									
January .....	28.1	\$6.73	\$189.11	35.6	\$9.80	\$348.88	32.4	\$9.72	\$314.93
February .....	28.3	6.72	190.18	35.7	9.87	352.36	32.4	9.75	315.90
March .....	26.5	6.74	192.09	35.6	9.84	350.30	32.4	9.76	316.22
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 <sup>p</sup> .....	29.2	6.86	200.31	36.2	10.25	371.05	32.7	10.14	331.58
<b>1991:</b>									
January <sup>p</sup> .....	27.8	6.91	192.10	35.6	10.25	364.90	32.1	10.17	326.46

<sup>1</sup> Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.  
<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates 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 workers<sup>1</sup> on private nonfarm payrolls by detailed industry**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Total private</b> .....		34.6	34.1	34.3	34.7	33.7	-	-	-	-	-
<b>Mining</b> .....		43.7	43.6	44.9	45.7	43.9	-	-	-	-	-
Metal mining .....	10	42.7	43.2	42.2	42.7	-	-	-	-	-	-
Iron ores .....	101	42.1	43.5	42.5	42.8	-	-	-	-	-	-
Copper ores .....	102	45.9	47.5	45.1	44.3	-	-	-	-	-	-
Coal mining .....	12	43.8	44.6	44.1	45.3	-	-	-	-	-	-
Bituminous coal and lignite mining .....	122	43.8	44.7	44.1	45.3	-	-	-	-	-	-
Oil and gas extraction .....	13	43.8	43.2	45.6	46.6	-	-	-	-	-	-
Crude petroleum and natural gas .....	131	45.0	43.1	44.1	44.2	-	-	-	-	-	-
Oil and gas field services .....	138	43.1	43.2	46.3	47.8	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	43.9	43.8	45.3	45.2	-	-	-	-	-	-
Crushed and broken stone .....	142	43.8	43.7	45.9	45.7	-	-	-	-	-	-
<b>Construction</b> .....		37.0	37.6	38.2	38.4	35.9	-	-	-	-	-
General building contractors .....	15	36.9	37.5	37.5	37.9	-	-	-	-	-	-
Residential building construction .....	152	36.1	36.2	36.8	36.6	-	-	-	-	-	-
Operative builders .....	153	37.5	37.4	36.6	36.9	-	-	-	-	-	-
Nonresidential building construction .....	154	37.7	38.7	38.5	39.1	-	-	-	-	-	-
Heavy construction, except building .....	16	39.7	41.6	41.9	41.6	-	-	-	-	-	-
Highway and street construction .....	161	37.3	40.1	42.6	41.2	-	-	-	-	-	-
Heavy construction, except highway .....	162	40.5	42.0	41.5	41.7	-	-	-	-	-	-
Special trade contractors .....	17	36.4	36.7	37.4	37.7	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	38.8	38.5	38.0	38.7	-	-	-	-	-	-
Painting and paper hanging .....	172	35.4	35.2	36.4	36.3	-	-	-	-	-	-
Electrical work .....	173	39.2	38.9	38.7	39.5	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	33.0	34.8	35.4	35.6	-	-	-	-	-	-
Carpentry and floor work .....	175	35.1	34.2	35.6	36.1	-	-	-	-	-	-
Roofing, siding, and sheet metal work .....	176	31.3	32.8	35.0	35.0	-	-	-	-	-	-
<b>Manufacturing</b> .....		41.3	40.6	40.8	41.3	40.1	3.8	3.5	3.8	3.8	3.2
<b>Durable goods</b> .....		41.9	41.2	41.3	41.9	40.6	4.0	3.5	3.7	3.9	3.2
Lumber and wood products .....	24	40.2	39.9	39.4	40.1	38.7	3.5	3.4	3.2	3.2	-
Logging .....	241	39.6	40.0	38.8	40.0	-	4.1	4.7	4.3	4.3	-
Sawmills and planing mills .....	242	41.2	41.1	40.2	40.9	-	4.3	4.3	3.7	4.0	-
Sawmills and planing mills, general .....	2421	41.5	41.5	40.5	41.3	-	4.6	4.7	4.1	4.3	-
Hardwood dimension and flooring mills .....	2426	40.2	39.7	38.8	39.4	-	3.2	3.0	2.3	2.8	-
Millwork, plywood, and structural members .....	243	40.5	39.5	39.2	40.0	-	3.2	2.8	2.5	2.8	-
Millwork .....	2431	39.9	38.7	38.8	39.3	-	2.4	2.0	2.0	2.2	-
Wood kitchen cabinets .....	2434	39.8	38.8	39.0	39.9	-	3.3	2.6	2.5	2.7	-
Hardwood veneer and plywood .....	2435	41.9	41.4	39.5	41.7	-	4.2	4.1	3.1	3.5	-
Softwood veneer and plywood .....	2436	43.1	42.2	41.4	42.8	-	5.1	4.9	3.9	4.4	-
Wood containers .....	244	38.6	38.4	39.6	39.7	-	3.3	3.2	3.0	3.0	-
Wood buildings and mobile homes .....	245	36.5	37.0	37.8	37.6	-	1.4	1.2	2.2	1.8	-
Mobile homes .....	2451	37.0	37.0	37.4	37.8	-	1.4	1.0	2.0	1.8	-
Miscellaneous wood products .....	249	41.2	40.4	39.9	40.5	-	3.6	3.1	3.1	2.8	-
Furniture and fixtures .....	25	40.2	39.3	38.9	39.8	38.1	2.9	2.5	2.3	2.7	-
Household furniture .....	251	39.5	38.7	37.9	38.8	-	2.6	2.3	1.7	2.1	-
Wood household furniture .....	2511	39.7	39.5	38.4	38.6	-	2.8	2.6	2.0	2.0	-
Upholstered household furniture .....	2512	39.2	37.0	36.9	38.7	-	2.5	1.5	1.3	2.2	-
Metal household furniture .....	2514	41.4	40.5	39.9	42.1	-	3.3	2.7	2.6	3.3	-
Mattresses and bedsprings .....	2515	38.5	38.7	37.4	38.3	-	2.3	2.7	1.4	1.6	-
Office furniture .....	252	41.0	40.4	39.6	41.0	-	3.0	2.8	3.0	3.5	-
Public building and related furniture .....	253	41.7	41.1	41.4	42.1	-	4.0	3.2	3.5	3.6	-
Partitions and fixtures .....	254	41.1	39.9	40.9	41.5	-	3.5	2.8	3.5	3.7	-
Miscellaneous furniture and fixtures .....	259	40.8	39.5	40.0	40.4	-	3.3	2.4	2.7	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 workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Total private</b> .....		\$9.84	\$9.67	\$10.17	\$10.20	\$10.24	\$340.46	\$336.57	\$348.83	\$353.94	\$345.09
<b>Mining</b> .....		13.46	13.46	13.78	13.81	14.04	588.20	586.86	618.72	631.12	616.36
<b>Metal mining</b> .....	10	13.45	13.69	14.34	14.38	-	574.32	591.41	605.15	614.03	-
Iron ores .....	101	13.95	14.20	15.35	15.44	-	587.30	617.70	652.38	660.83	-
Copper ores .....	102	11.83	12.24	12.93	12.97	-	543.00	581.40	583.14	574.57	-
<b>Coal mining</b> .....	12	16.50	16.50	16.84	16.89	-	722.70	735.90	742.64	765.12	-
Bituminous coal and lignite mining .....	122	16.64	16.62	16.99	17.05	-	728.83	742.91	749.26	772.37	-
<b>Oil and gas extraction</b> .....	13	12.66	12.56	13.00	12.98	-	554.51	542.59	592.60	604.87	-
Crude petroleum and natural gas .....	131	15.95	15.74	16.45	16.51	-	717.75	678.39	725.45	729.74	-
Oil and gas field services .....	138	10.76	10.74	11.33	11.31	-	463.76	463.97	524.58	540.62	-
<b>Nonmetallic minerals, except fuels</b> .....	14	11.44	11.35	11.73	11.75	-	502.22	497.13	531.37	531.10	-
Crushed and broken stone .....	142	10.62	10.57	11.25	11.15	-	465.16	461.91	516.38	509.56	-
<b>Construction</b> .....		13.84	13.59	13.82	13.87	13.97	512.08	510.98	527.92	532.61	501.52
<b>General building contractors</b> .....	15	13.00	12.86	13.01	13.12	-	479.70	482.25	487.88	497.25	-
Residential building construction .....	152	12.40	12.25	12.13	12.31	-	447.64	443.45	443.96	450.55	-
Operative builders .....	153	12.51	12.35	13.36	13.72	-	469.13	461.89	488.98	506.27	-
Nonresidential building construction .....	154	13.80	13.46	13.81	13.84	-	512.72	520.90	531.69	541.14	-
<b>Heavy construction, except building</b> .....	16	13.42	12.95	13.51	13.32	-	532.77	538.72	566.07	554.11	-
Highway and street construction .....	161	12.82	12.14	13.21	12.67	-	478.19	486.81	562.75	522.00	-
Heavy construction, except highway .....	162	13.61	13.17	13.65	13.57	-	551.21	553.14	566.48	565.87	-
<b>Special trade contractors</b> .....	17	14.30	14.07	14.23	14.32	-	520.52	516.37	532.20	539.86	-
Plumbing, heating, and air conditioning .....	171	14.45	14.36	14.49	14.60	-	560.66	552.86	550.62	565.02	-
Painting and paper hanging .....	172	13.30	13.25	12.86	12.94	-	470.82	466.40	468.10	469.72	-
Electrical work .....	173	15.09	14.94	15.21	15.35	-	591.53	581.17	588.63	606.33	-
Masonry, stonework, and plastering .....	174	14.28	13.92	14.14	14.22	-	471.24	481.63	500.56	506.23	-
Carpentry and floor work .....	175	14.54	14.05	14.05	14.13	-	510.35	480.51	500.18	510.09	-
Roofing, siding, and sheet metal work .....	176	12.66	12.02	12.30	12.27	-	396.26	394.26	430.50	429.45	-
<b>Manufacturing</b> .....		10.68	10.60	10.98	11.07	11.06	441.08	430.36	447.98	457.19	443.51
<b>Durable goods</b> .....		11.19	11.06	11.48	11.60	11.58	468.86	455.67	474.12	486.04	470.15
<b>Lumber and wood products</b> .....	24	9.01	9.00	9.12	9.12	9.09	362.20	359.10	359.33	365.71	351.78
Logging .....	241	11.23	11.01	11.19	10.98	-	444.71	440.40	434.17	439.20	-
Sawmills and planing mills .....	242	9.20	9.21	9.18	9.22	-	379.04	378.53	369.04	377.10	-
Sawmills and planing mills, general .....	2421	9.56	9.58	9.52	9.56	-	396.74	397.57	385.56	394.83	-
Hardwood dimension and flooring mills .....	2426	7.47	7.48	7.59	7.64	-	300.29	296.96	294.49	301.02	-
Millwork, plywood, and structural members .....	243	8.89	8.95	9.15	9.17	-	360.05	353.53	358.68	366.80	-
Millwork .....	2431	9.03	9.16	9.44	9.55	-	360.30	354.49	366.27	375.32	-
Wood kitchen cabinets .....	2434	8.40	8.44	8.64	8.60	-	334.32	327.47	336.96	343.14	-
Hardwood veneer and plywood .....	2435	7.55	7.53	7.72	7.73	-	316.35	311.74	304.94	322.34	-
Softwood veneer and plywood .....	2436	10.20	10.35	10.31	10.31	-	439.62	436.77	426.83	439.21	-
Wood containers .....	244	6.71	6.66	6.65	6.67	-	259.01	255.74	263.34	264.80	-
Wood buildings and mobile homes .....	245	8.51	8.37	8.73	8.77	-	310.62	309.69	329.99	329.75	-
Mobile homes .....	2451	8.56	8.39	8.76	8.80	-	316.72	310.43	327.62	332.64	-
Miscellaneous wood products .....	249	8.12	8.16	8.38	8.42	-	334.54	329.66	334.36	341.01	-
<b>Furniture and fixtures</b> .....	25	8.43	8.45	8.64	8.70	8.64	338.89	332.09	336.10	346.26	329.18
Household furniture .....	251	7.81	7.78	7.97	8.04	-	308.50	301.09	302.06	311.95	-
Wood household furniture .....	2511	7.35	7.30	7.46	7.51	-	291.80	288.35	286.46	289.89	-
Upholstered household furniture .....	2512	8.54	8.56	8.70	8.79	-	334.77	316.72	321.03	340.17	-
Metal household furniture .....	2514	7.87	7.70	8.15	8.07	-	325.82	311.85	325.19	339.75	-
Mattresses and bedsprings .....	2515	8.07	8.22	8.23	8.38	-	310.70	318.11	307.80	320.95	-
Office furniture .....	252	9.51	9.75	9.75	9.85	-	389.91	393.90	386.10	403.85	-
Public building and related furniture .....	253	8.92	8.85	9.24	9.33	-	371.96	363.74	382.54	392.79	-
Partitions and fixtures .....	254	9.70	9.73	9.83	9.89	-	398.67	388.23	402.05	410.44	-
Miscellaneous furniture and fixtures .....	259	8.68	8.79	9.06	8.93	-	354.14	347.21	362.40	360.77	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>b</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>b</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	41.4	41.4	42.1	41.8	39.9	4.6	4.5	4.8	4.5	-
Flat glass .....	321	43.8	42.4	44.3	43.6	-	6.3	5.5	5.9	4.8	-
Glass and glassware, pressed or blown .....	322	41.4	41.5	42.0	41.5	-	4.7	4.5	4.5	4.6	-
Glass containers .....	3221	41.7	42.0	42.3	42.0	-	5.6	5.5	5.4	5.7	-
Pressed and blown glass, nec .....	3229	41.0	41.0	41.7	40.9	-	3.7	3.4	3.5	3.4	-
Products of purchased glass .....	323	41.5	39.9	41.0	41.3	-	3.4	2.5	3.0	3.3	-
Cement, hydraulic .....	324	41.6	42.1	42.9	41.9	-	3.3	4.7	4.3	3.6	-
Structural clay products .....	325	41.2	40.4	40.3	40.5	-	3.4	3.2	3.0	2.7	-
Pottery and related products .....	326	40.6	40.2	40.3	40.2	-	3.4	3.1	3.0	3.3	-
Concrete, gypsum, and plaster products .....	327	40.9	41.5	43.1	42.5	-	5.1	5.5	6.1	5.4	-
Concrete block and brick .....	3271	41.8	42.6	43.0	43.9	-	5.0	5.3	6.2	5.7	-
Concrete products, nec .....	3272	42.5	42.7	42.8	43.3	-	5.5	5.7	5.6	5.1	-
Ready-mixed concrete .....	3273	38.5	39.6	42.9	41.0	-	4.2	4.9	6.4	5.2	-
Misc. nonmetallic mineral products .....	329	43.1	42.7	41.7	42.0	-	5.5	5.2	4.8	4.7	-
Abrasive products .....	3291	43.9	43.2	41.7	41.3	-	3.9	3.7	3.7	3.5	-
Asbestos products .....	3292	42.2	41.8	39.0	41.7	-	5.8	4.9	1.9	4.6	-
Primary metal industries .....	33	43.0	42.7	42.8	43.0	41.8	4.9	4.7	5.1	5.0	-
Blast furnaces and basic steel products .....	331	43.2	43.2	43.9	43.9	42.6	5.0	5.0	5.8	5.5	-
Blast furnaces and steel mills .....	3312	43.4	43.4	44.5	44.2	-	5.1	5.1	6.2	5.9	-
Steel pipe and tubes .....	3317	43.5	43.5	43.4	43.9	-	5.6	5.7	4.7	5.1	-
Iron and steel foundries .....	332	42.3	41.9	41.9	42.1	-	4.4	4.1	4.6	4.5	-
Gray and ductile iron foundries .....	3321	42.0	41.9	41.7	41.9	-	4.1	4.1	4.5	4.4	-
Malleable iron foundries .....	3322	41.6	40.3	43.2	43.3	-	4.0	3.4	5.6	5.3	-
Steel foundries, nec .....	3325	42.6	42.6	41.5	41.3	-	5.2	4.9	4.6	4.4	-
Primary nonferrous metals .....	333	45.0	44.6	43.9	44.3	-	4.9	4.9	5.5	5.2	-
Primary aluminum .....	3334	44.0	43.4	43.5	43.8	-	5.0	4.8	5.8	5.6	-
Nonferrous rolling and drawing .....	335	44.0	43.5	42.7	42.8	-	5.9	5.7	5.5	5.6	-
Copper rolling and drawing .....	3351	43.7	43.5	41.1	41.5	-	5.5	5.6	5.1	5.4	-
Aluminum sheet, plate, and foil .....	3353	45.5	44.7	44.9	44.6	-	7.2	7.4	8.6	8.8	-
Nonferrous wire drawing and insulating .....	3357	42.2	42.2	41.9	41.7	-	4.8	4.5	4.7	4.4	-
Nonferrous foundries (castings) .....	336	41.2	39.7	40.8	41.3	-	3.4	2.5	3.2	3.4	-
Aluminum foundries .....	3365	41.7	40.1	41.6	41.3	-	3.5	2.4	3.7	3.9	-
Fabricated metal products .....	34	42.0	41.1	41.3	41.9	40.6	4.0	3.5	3.6	3.8	-
Metal cans and shipping containers .....	341	44.4	44.0	43.1	44.2	-	5.2	5.3	5.1	5.1	-
Metal cans .....	3411	44.9	44.5	43.6	44.8	-	5.2	5.4	5.3	5.2	-
Cutlery, handtools, and hardware .....	342	42.1	41.5	40.7	41.3	-	3.5	3.3	2.9	3.0	-
Hand and edge tools, and blades and handsaws ..	3423,5	41.7	41.4	39.8	40.4	-	3.6	3.2	2.6	2.8	-
Hardware, nec .....	3429	41.8	41.1	40.6	41.2	-	3.0	3.0	2.6	2.7	-
Plumbing and heating, except electric .....	343	41.8	41.0	40.2	40.8	-	3.4	3.3	3.0	3.2	-
Plumbing fixture fittings and trim .....	3432	40.8	41.0	39.0	40.8	-	2.4	2.7	2.5	3.5	-
Heating equipment, except electric .....	3433	42.0	39.8	41.3	41.2	-	3.9	3.1	3.4	2.9	-
Fabricated structural metal products .....	344	41.5	40.9	41.2	41.6	-	4.0	3.4	3.6	3.8	-
Fabricated structural metal .....	3441	42.3	42.3	41.6	42.5	-	4.6	4.2	4.1	4.3	-
Metal doors, sash, and trim .....	3442	39.3	38.1	39.7	38.9	-	2.2	1.4	2.2	2.0	-
Fabricated plate work (boiler shops) .....	3443	43.1	42.4	42.6	43.1	-	5.3	4.6	4.3	4.7	-
Sheet metal work .....	3444	41.4	40.6	40.6	41.7	-	3.6	3.1	3.4	3.7	-
Architectural metal work .....	3446	40.3	40.8	39.8	40.4	-	4.0	3.7	3.0	3.5	-
Screw machine products, bolts, etc .....	345	42.6	41.7	41.8	41.9	-	4.7	4.1	4.4	4.2	-
Screw machine products .....	3451	41.0	40.4	40.3	40.9	-	3.5	3.3	3.2	3.3	-
Bolts, nuts, rivets, and washers .....	3452	44.3	43.1	43.3	43.0	-	6.0	5.0	5.7	5.1	-
Metal forgings and stampings .....	346	42.2	40.4	41.4	41.7	-	3.8	3.3	3.5	3.3	-
Iron and steel forgings .....	3462	42.6	42.4	42.2	42.3	-	4.1	4.0	3.8	3.9	-
Automotive stampings .....	3465	42.6	39.3	40.9	41.4	-	3.8	2.9	3.2	2.7	-
Metal stampings, nec .....	3469	41.3	40.7	41.2	41.6	-	3.5	3.4	3.3	3.4	-
Metal services, nec .....	347	41.5	40.5	41.1	42.0	-	4.0	3.4	3.9	4.3	-
Plating and polishing .....	3471	40.8	39.5	40.5	41.1	-	3.4	2.7	3.3	3.5	-
Metal coating and allied services .....	3479	42.7	42.2	42.1	43.7	-	5.1	4.8	4.9	5.8	-
Ordnance and accessories, nec .....	348	42.6	41.8	40.6	42.3	-	3.7	3.2	3.9	4.6	-
Ammunition, except for small arms, nec .....	3483	41.2	40.6	41.2	42.9	-	3.3	2.5	3.7	4.5	-
Misc. fabricated metal products .....	349	41.8	41.2	41.5	42.2	-	3.9	3.6	3.6	4.0	-
Valves and pipe fittings, nec .....	3494	40.9	42.2	44.2	44.4	-	3.7	3.6	4.6	5.5	-
Misc. fabricated wire products .....	3496	40.8	39.7	40.3	41.2	-	3.6	3.0	3.4	3.5	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	43.0	42.2	42.0	43.0	41.8	4.7	4.0	4.1	4.6	-
Engines and turbines .....	351	44.1	43.4	42.6	43.8	-	5.7	4.4	4.5	5.8	-
Turbines and turbine generator sets .....	3511	46.5	43.2	46.6	47.0	-	8.2	3.7	8.1	8.1	-
Internal combustion engines, nec .....	3519	43.3	43.4	41.0	42.2	-	4.6	4.6	3.1	4.9	-
Farm and garden machinery .....	352	42.7	42.0	40.7	42.1	-	4.3	3.9	2.9	3.4	-
Farm machinery and equipment .....	3523	42.9	42.1	40.5	42.0	-	4.8	4.1	2.9	3.8	-
Construction and related machinery .....	353	43.6	42.3	43.0	43.5	-	4.8	4.1	4.1	4.6	-
Construction machinery .....	3531	42.8	42.1	41.6	41.2	-	3.7	3.4	2.3	2.4	-
Mining machinery .....	3532	43.1	41.6	41.9	42.0	-	5.1	4.0	3.9	4.4	-
Oil and gas field machinery .....	3533	47.2	44.6	48.4	47.7	-	7.0	6.3	7.9	7.7	-
Conveyors and conveying equipment .....	3535	43.4	42.0	41.7	44.3	-	5.6	4.6	4.7	6.1	-
Industrial trucks and tractors .....	3537	41.9	40.2	40.6	42.3	-	3.8	2.4	2.8	3.3	-
Metalworking machinery .....	354	43.6	43.1	42.5	43.9	-	5.4	5.0	4.9	5.3	-
Machine tools, metal cutting types .....	3541	44.6	43.4	41.6	43.4	-	5.5	4.5	4.2	5.1	-
Machine tools, metal forming types .....	3542	45.5	44.2	44.1	44.7	-	6.8	6.2	5.2	5.4	-
Special dies, tools, jigs, and fixtures .....	3544	44.2	43.7	43.0	44.5	-	6.1	5.9	5.8	6.3	-
Machine tool accessories .....	3545	42.5	41.7	41.7	43.0	-	4.6	4.0	3.8	4.1	-
Power driven handtools .....	3546	43.4	42.5	42.5	43.2	-	4.0	3.7	4.1	3.6	-
Special industry machinery .....	355	43.0	42.7	41.9	43.0	-	4.9	4.5	4.0	4.6	-
Textile machinery .....	3552	43.8	43.4	41.8	42.5	-	4.4	4.2	3.1	3.2	-
Printing trades machinery .....	3555	40.7	39.7	38.6	39.5	-	4.9	4.6	3.5	3.7	-
Food products machinery .....	3556	43.1	42.4	42.4	43.9	-	4.8	3.9	4.3	5.4	-
General industrial machinery .....	356	42.9	42.0	42.3	42.9	-	4.6	3.9	4.4	4.6	-
Pumps and pumping equipment .....	3561	41.9	40.2	41.9	42.6	-	4.2	3.3	4.5	4.7	-
Ball and roller bearings .....	3562	43.2	42.5	43.9	43.1	-	5.2	4.5	5.6	4.6	-
Air and gas compressors .....	3563	43.7	42.9	44.7	44.7	-	5.2	4.2	5.7	5.8	-
Blowers and fans .....	3564	42.0	40.5	40.6	41.7	-	3.4	2.6	3.4	3.7	-
Speed changers, drives, and gears .....	3566	44.0	42.5	42.1	43.9	-	5.4	5.2	5.4	6.2	-
Power transmission equipment, nec .....	3568	44.4	43.7	41.5	41.6	-	5.4	4.4	3.7	3.4	-
Computer and office equipment .....	357	42.9	41.8	42.2	43.3	-	4.1	3.0	3.3	4.1	-
Electronic computers .....	3571	43.1	41.8	42.1	43.5	-	4.8	3.1	3.6	4.7	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	41.6	40.0	41.6	43.0	-	2.6	1.9	3.5	4.3	-
Refrigeration and service machinery .....	358	41.1	40.2	40.2	41.4	-	3.0	2.5	2.4	3.1	-
Refrigeration and heating equipment .....	3585	41.0	40.3	40.2	41.4	-	3.0	2.7	2.3	3.0	-
Misc. industrial and commercial machinery .....	359	42.8	42.4	41.9	42.8	-	4.9	4.4	4.5	4.9	-
Carburetors, pistons, rings, valves .....	3592	41.8	41.2	41.0	40.9	-	4.1	3.5	4.1	3.6	-
Scales, balances, and industrial machinery, nec .....	3596,9	42.6	42.3	41.7	42.6	-	4.7	4.4	4.4	4.8	-
<b>Electronic and other electrical equipment</b>											
Electric distribution equipment .....	36	41.5	41.0	41.1	41.8	40.5	3.5	3.1	3.6	3.8	-
Electric distribution equipment .....	361	42.5	41.7	42.5	43.4	-	3.6	3.1	3.7	4.2	-
Transformers, except electronic .....	3612	42.7	42.1	42.8	43.7	-	3.6	3.7	4.1	4.5	-
Switchgear and switchboard apparatus .....	3613	42.3	41.3	42.1	43.1	-	3.3	2.6	3.3	4.0	-
Electrical industrial apparatus .....	362	42.5	41.9	42.1	43.1	-	3.9	3.4	3.4	3.8	-
Motors and generators .....	3621	42.6	41.8	41.2	42.4	-	3.9	3.5	3.2	3.4	-
Relays and industrial controls .....	3625	41.9	41.6	43.2	43.4	-	3.7	3.0	3.7	4.1	-
Household appliances .....	363	37.9	39.5	38.2	40.0	-	2.4	2.1	2.3	2.7	-
Household refrigerators and freezers .....	3632	32.4	39.2	32.4	38.8	-	1.3	2.4	1.4	2.2	-
Household laundry equipment .....	3633	40.5	41.1	39.7	40.0	-	2.5	1.4	2.0	2.0	-
Electric housewares and fans .....	3634	40.2	39.6	41.4	40.1	-	2.6	2.0	2.7	2.2	-
Electric lighting and wiring equipment .....	364	40.7	40.6	40.3	41.0	-	3.3	3.2	3.1	3.2	-
Electric lamps .....	3641	39.1	40.7	41.7	41.7	-	2.9	3.1	3.5	3.2	-
Current-carrying wiring devices .....	3643	40.7	41.1	39.9	41.2	-	3.2	3.4	2.9	3.4	-
Noncurrent-carrying wiring devices .....	3644	43.7	41.9	41.2	42.5	-	3.9	2.9	2.3	2.8	-
Residential lighting fixtures .....	3645	39.1	38.3	37.1	36.9	-	2.9	2.3	1.9	1.6	-
Household audio and video equipment .....	365	41.2	40.9	41.1	41.1	-	3.2	2.6	3.5	2.9	-
Household audio and video equipment .....	3651	41.2	41.0	41.5	41.8	-	2.7	1.7	2.9	2.7	-
Communications equipment .....	366	44.3	43.4	43.4	44.2	-	3.8	3.2	4.6	5.5	-
Telephone and telegraph apparatus .....	3661	45.8	45.2	45.9	46.9	-	4.1	3.4	6.2	7.6	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	\$11.62	\$11.55	\$11.96	\$12.11	\$12.07	\$499.66	\$487.41	\$502.32	\$520.73	\$504.53
Engines and turbines .....	351	14.51	14.25	14.90	15.25	-	639.89	618.45	634.74	664.90	-
Turbines and turbine generator sets .....	3511	14.93	14.39	15.23	15.52	-	694.25	621.65	709.72	729.44	-
Internal combustion engines, nec .....	3519	14.35	14.20	14.75	15.13	-	621.36	616.28	604.75	638.49	-
Farm and garden machinery .....	352	10.84	10.68	11.07	11.29	-	462.87	448.56	450.55	475.31	-
Farm machinery and equipment .....	3523	11.95	11.79	12.20	12.57	-	512.66	496.36	494.10	527.94	-
Construction and related machinery .....	353	11.79	11.72	12.06	12.15	-	514.04	495.76	518.58	528.53	-
Construction machinery .....	3531	13.13	13.09	13.80	14.24	-	561.96	551.09	574.08	586.69	-
Mining machinery .....	3532	11.69	11.65	12.01	12.22	-	503.84	486.97	503.22	513.24	-
Oil and gas field machinery .....	3533	11.47	11.31	11.36	11.06	-	541.98	504.43	549.82	527.56	-
Conveyors and conveying equipment .....	3535	10.66	10.52	10.97	11.02	-	462.64	441.84	457.45	488.19	-
Industrial trucks and tractors .....	3537	10.24	10.21	10.54	10.56	-	429.06	410.44	427.92	446.69	-
Metalworking machinery .....	354	12.08	12.06	12.45	12.56	-	529.10	519.79	529.13	551.38	-
Machine tools, metal cutting types .....	3541	11.91	11.86	12.52	12.55	-	531.19	514.72	520.83	544.67	-
Machine tools, metal forming types .....	3542	12.34	12.39	12.61	12.65	-	561.47	547.64	556.10	565.46	-
Special dies, tools, jigs, and fixtures .....	3544	12.79	12.77	13.01	13.21	-	565.32	558.05	559.43	587.85	-
Machine tool accessories .....	3545	10.77	10.68	11.12	11.17	-	457.73	445.36	463.70	480.31	-
Power driven handtools .....	3546	9.60	9.66	10.24	10.26	-	416.64	410.55	435.20	443.23	-
Special industry machinery .....	355	11.82	11.72	12.02	12.15	-	508.26	500.44	503.64	522.45	-
Textile machinery .....	3552	9.94	9.98	10.23	10.25	-	435.37	433.13	427.61	435.63	-
Printing trades machinery .....	3555	13.68	13.70	13.79	13.98	-	558.78	543.89	532.29	552.21	-
Food products machinery .....	3556	11.71	11.55	11.77	12.06	-	504.70	489.72	499.05	529.43	-
General industrial machinery .....	356	11.08	11.00	11.56	11.56	-	475.33	462.00	488.99	495.92	-
Pumps and pumping equipment .....	3561	11.48	11.30	12.21	12.29	-	481.01	454.26	511.60	523.55	-
Ball and roller bearings .....	3562	11.67	11.39	12.34	12.16	-	504.14	484.08	541.73	524.10	-
Air and gas compressors .....	3563	11.07	11.40	12.05	11.93	-	483.76	489.06	538.64	533.27	-
Blowers and fans .....	3564	9.96	9.99	10.08	10.14	-	418.32	404.60	409.25	422.84	-
Speed changers, drives, and gears .....	3566	11.69	11.64	12.04	12.14	-	514.36	494.70	506.88	532.95	-
Power transmission equipment, nec .....	3568	10.75	10.61	10.93	10.97	-	477.30	463.66	453.60	456.35	-
Computer and office equipment .....	357	11.09	11.20	11.83	12.16	-	475.76	488.16	499.23	526.53	-
Electronic computers .....	3571	11.69	11.68	12.45	13.00	-	503.84	488.22	524.15	565.50	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	10.04	10.46	11.43	11.55	-	417.66	418.40	475.49	496.65	-
Refrigeration and service machinery .....	358	10.82	10.77	11.11	11.25	-	444.70	432.95	446.62	465.75	-
Refrigeration and heating equipment .....	3585	10.89	10.89	11.28	11.43	-	446.49	438.87	453.46	473.20	-
Misc. industrial and commercial machinery .....	359	11.57	11.47	11.67	11.83	-	495.20	488.33	488.97	506.32	-
Carburetors, pistons, rings, valves .....	3592	13.24	12.88	12.19	12.11	-	553.43	530.66	499.79	495.30	-
Scales, balances, and industrial machinery, nec .....	3596,9	11.15	11.13	11.36	11.53	-	474.99	470.80	473.71	491.18	-
<b>Electronic and other electrical equipment</b> .....	36	10.14	10.13	10.53	10.57	10.65	420.81	415.33	432.78	441.83	431.33
Electric distribution equipment .....	361	9.91	9.92	10.45	10.62	-	421.18	413.66	444.13	460.91	-
Transformers, except electronic .....	3612	9.64	9.65	10.19	10.28	-	411.63	406.27	436.13	449.24	-
Switchgear and switchboard apparatus .....	3613	10.19	10.22	10.72	10.98	-	431.04	422.09	451.31	473.24	-
Electrical industrial apparatus .....	362	10.02	10.01	10.18	10.19	-	425.85	419.42	428.58	439.19	-
Motors and generators .....	3621	10.11	10.07	9.95	9.98	-	430.69	420.93	409.94	423.15	-
Relays and industrial controls .....	3625	9.89	9.93	10.55	10.50	-	414.39	413.09	455.76	455.70	-
Household appliances .....	363	10.07	10.26	9.97	10.31	-	381.65	405.27	380.85	412.40	-
Household refrigerators and freezers .....	3632	11.59	11.81	11.16	11.76	-	375.52	462.95	361.58	456.29	-
Household laundry equipment .....	3633	12.06	12.01	12.48	12.50	-	488.43	493.61	495.46	500.00	-
Electric housewares and fans .....	3634	7.74	7.80	7.61	7.61	-	311.15	308.88	315.05	305.16	-
Electric lighting and wiring equipment .....	364	9.91	9.94	10.21	10.18	-	403.34	403.56	411.46	417.38	-
Electric lamps .....	3641	11.32	11.43	11.48	11.42	-	442.61	465.20	478.72	476.21	-
Current-carrying wiring devices .....	3643	9.84	9.92	10.02	10.10	-	400.49	407.71	399.80	416.12	-
Noncurrent-carrying wiring devices .....	3644	9.51	9.47	9.59	9.55	-	415.59	396.79	395.11	405.88	-
Residential lighting fixtures .....	3645	7.23	7.42	7.53	7.96	-	282.69	284.19	279.36	293.72	-
Household audio and video equipment .....	365	9.37	9.13	10.18	10.41	-	386.04	373.42	418.40	427.85	-
Household audio and video equipment .....	3651	9.69	9.46	10.61	10.77	-	399.23	387.86	440.32	450.19	-
Communications equipment .....	366	11.03	11.00	11.42	11.64	-	488.63	477.40	495.63	514.49	-
Telephone and telegraph apparatus .....	3661	11.55	11.42	12.14	12.45	-	528.99	516.18	557.23	583.91	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Electronic and other electrical equipment—Continued</b>											
Electric components and accessories .....	367	41.2	40.1	40.5	41.2	-	3.8	3.3	3.7	3.9	-
Electron tubes .....	3671	42.8	41.7	41.4	41.8	-	4.1	4.0	3.6	3.7	-
Semiconductors and related devices .....	3674	41.7	40.2	40.8	41.1	-	4.7	4.1	4.9	4.9	-
Electronic components, nec .....	3679	41.4	39.6	40.1	40.8	-	3.3	2.4	2.7	3.0	-
Misc. electrical equipment and supplies .....	369	42.0	41.3	42.2	41.6	-	3.5	3.3	4.2	3.2	-
Storage batteries .....	3691	42.5	42.0	44.3	41.1	-	4.1	3.8	5.7	2.8	-
Engine electrical equipment .....	3694	41.6	40.9	41.2	41.1	-	3.3	3.3	3.4	2.8	-
Transportation equipment .....	37	42.5	41.4	41.4	42.4	41.0	4.1	3.6	3.8	3.8	-
Motor vehicles and equipment .....	371	42.9	40.8	40.9	42.0	40.7	4.0	2.9	3.6	3.4	-
Motor vehicles and car bodies .....	3711	43.4	41.3	40.1	43.0	-	3.7	2.9	3.6	4.0	-
Truck and bus bodies .....	3713	42.8	39.7	40.9	41.1	-	4.4	2.2	2.9	2.5	-
Motor vehicle parts and accessories .....	3714	42.8	40.8	41.5	41.6	-	4.3	3.1	3.8	3.3	-
Truck trailers .....	3715	39.9	39.5	40.6	40.6	-	2.7	2.1	2.7	2.7	-
Aircraft and parts .....	372	42.6	42.7	42.7	43.1	-	4.9	4.6	4.8	4.8	-
Aircraft .....	3721	42.0	42.7	41.9	42.0	-	4.4	4.5	4.2	4.5	-
Aircraft engines and engine parts .....	3724	43.0	42.8	43.6	44.2	-	5.4	5.0	6.1	6.0	-
Aircraft parts and equipment, nec .....	3728	43.4	42.6	43.1	43.9	-	5.2	4.5	4.6	4.3	-
Ship and boat building and repairing .....	373	41.1	40.5	40.3	42.0	-	3.2	3.2	2.4	3.5	-
Ship building and repairing .....	3731	41.5	41.4	41.6	43.1	-	3.5	3.6	2.7	3.7	-
Boat building and repairing .....	3732	40.3	39.0	37.6	39.4	-	2.9	2.6	1.8	3.0	-
Railroad equipment .....	374	42.4	40.6	42.0	43.0	-	3.6	2.9	3.3	3.5	-
Guided missiles, space vehicles, and parts .....	376	43.2	43.3	42.8	43.6	-	4.7	4.4	3.6	3.3	-
Guided missiles and space vehicles .....	3761	43.0	43.4	43.2	44.4	-	5.0	4.5	3.9	3.4	-
Misc. transportation equipment .....	379	40.8	39.0	39.5	41.0	-	2.7	2.6	2.5	2.8	-
Travel trailers and campers .....	3792	38.1	37.1	38.0	38.2	-	1.5	1.6	1.3	1.1	-
Instruments and related products .....	38	41.8	41.0	41.4	42.0	40.7	3.2	2.7	3.2	3.5	-
Search and navigation equipment .....	381	42.3	41.0	41.3	42.9	-	2.9	2.3	2.9	3.1	-
Measuring and controlling devices .....	382	42.0	41.6	41.5	42.3	-	3.0	2.8	3.0	3.2	-
Environmental controls .....	3822	41.4	41.3	41.0	41.8	-	2.6	2.7	3.1	3.2	-
Process control instruments .....	3823	43.5	43.0	42.4	43.6	-	4.5	3.9	3.5	3.9	-
Instruments to measure electricity .....	3825	40.6	40.4	40.9	41.4	-	2.2	2.0	2.2	2.5	-
Medical instruments and supplies .....	384	42.0	40.7	41.5	41.9	-	3.9	2.9	3.7	4.2	-
Surgical and medical instruments .....	3841	41.8	40.6	41.5	41.4	-	3.8	2.9	4.0	4.4	-
Surgical appliances and supplies .....	3842	42.3	40.7	41.2	42.1	-	4.1	2.5	3.5	4.1	-
Ophthalmic goods .....	385	38.9	39.9	39.1	38.3	-	2.5	2.7	2.6	2.2	-
Photographic equipment and supplies .....	386	41.8	40.7	42.1	41.9	-	3.3	2.9	3.8	4.0	-
Watches, clocks, watchcases, and parts .....	387	40.3	37.8	40.1	39.8	-	3.1	2.3	2.7	1.7	-
Miscellaneous manufacturing industries .....	39	40.0	39.3	40.2	39.9	38.8	2.7	2.4	3.0	2.8	-
Jewelry, silverware, and plated ware .....	391	39.6	37.0	40.2	39.9	-	2.6	1.5	3.4	3.2	-
Jewelry, precious metal .....	3911	39.8	36.6	40.3	39.7	-	2.8	1.5	3.8	3.6	-
Musical instruments .....	393	39.7	39.0	40.5	40.4	-	2.1	2.1	2.1	2.3	-
Toys and sporting goods .....	394	39.9	39.7	40.5	39.8	-	2.7	2.6	3.0	3.0	-
Dolls, games, toys, and children's vehicles .....	3942,4	37.2	38.0	40.9	38.7	-	1.9	1.5	3.2	2.6	-
Sporting and athletic goods, nec .....	3949	41.8	40.8	40.2	40.6	-	3.2	3.3	2.8	3.2	-
Pens, pencils, office, and art supplies .....	395	40.9	40.7	40.7	40.8	-	2.9	2.9	2.5	2.2	-
Costume jewelry and notions .....	396	40.3	39.1	40.8	39.3	-	2.4	2.2	2.9	1.8	-
Costume jewelry .....	3961	40.4	39.2	41.5	38.9	-	2.3	2.2	3.8	1.8	-
Miscellaneous manufactures .....	399	40.0	39.5	39.6	39.9	-	3.0	2.6	3.1	3.0	-
Signs and advertising specialties .....	3993	40.8	40.2	40.1	40.4	-	3.6	2.8	3.4	3.3	-
<b>Nondurable goods</b> .....		40.4	39.8	40.3	40.6	39.5	3.7	3.4	3.8	3.7	3.3
Food and kindred products .....	20	41.3	40.3	41.2	41.4	40.3	4.5	4.2	4.9	4.6	-
Meat products .....	201	40.7	40.0	40.4	40.5	-	4.4	4.1	4.6	4.2	-
Meat packing plants .....	2011	41.3	40.2	42.3	42.1	-	4.9	4.4	5.6	5.4	-
Sausages and other prepared meats .....	2013	41.4	40.3	41.7	42.0	-	4.9	4.2	5.4	5.0	-
Poultry slaughtering and processing .....	2015	40.0	39.7	38.7	38.8	-	3.9	3.9	3.6	3.2	-
Dairy products .....	202	41.2	40.5	41.3	41.3	-	4.3	3.9	4.7	4.4	-
Cheese, natural and processed .....	2022	39.2	38.5	40.1	40.2	-	3.8	3.2	4.0	3.9	-
Fluid milk .....	2026	42.2	41.5	42.2	41.7	-	5.0	4.6	5.1	4.5	-
Preserved fruits and vegetables .....	203	40.7	40.5	40.4	41.5	-	4.3	4.4	4.0	4.2	-
Canned specialties .....	2032	44.6	44.7	44.5	44.8	-	8.1	8.2	7.0	7.8	-
Canned fruits and vegetables .....	2033	41.4	39.7	40.8	42.1	-	4.2	3.6	3.9	3.4	-
Frozen fruits and vegetables .....	2037	38.8	39.7	38.3	39.1	-	4.0	4.4	3.5	3.9	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
<b>Food and kindred products—Continued</b>											
Grain mill products .....	204	46.1	44.6	46.3	46.3	-	6.0	6.0	7.7	7.0	-
Flour and other grain mill products .....	2041	47.2	45.4	50.7	49.2	-	6.9	5.9	9.1	7.6	-
Prepared feeds, nec .....	2048	43.0	42.7	42.5	43.3	-	5.9	5.6	5.8	5.8	-
Bakery products .....	205	40.2	39.3	39.8	39.8	-	3.9	3.6	4.6	4.3	-
Bread, cake, and related products .....	2051	39.8	38.8	39.4	39.0	-	4.2	3.7	4.7	4.1	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	40.9	40.4	40.4	41.2	-	3.3	3.5	4.5	4.7	-
Sugar and confectionery products .....	206	42.1	41.0	42.4	42.5	-	4.5	4.0	5.2	4.7	-
Raw cane sugar .....	2061	49.8	48.3	53.5	52.2	-	10.4	10.5	14.3	12.8	-
Cane sugar refining .....	2062	50.6	47.6	52.3	50.2	-	10.7	10.3	13.7	9.8	-
Beet sugar .....	2063	41.1	40.7	40.4	41.1	-	4.2	3.7	3.6	3.5	-
Candy and other confectionery products .....	2064	40.1	39.1	41.0	40.9	-	3.3	2.8	4.4	4.0	-
Fats and oils .....	207	44.9	43.9	45.9	46.1	-	6.5	5.6	7.7	7.1	-
Beverages .....	208	42.2	40.6	42.3	42.7	-	4.2	3.7	5.1	4.8	-
Malt beverages .....	2082	43.7	42.7	45.4	44.5	-	6.3	6.3	8.1	6.4	-
Bottled and canned soft drinks .....	2086	41.0	39.4	41.3	41.6	-	3.3	2.7	4.0	4.3	-
Misc. food and kindred products .....	209	39.5	37.7	39.6	40.3	-	4.5	4.1	4.4	4.7	-
Tobacco products .....	21	38.1	37.6	40.4	39.9	38.1	2.8	2.2	2.9	3.2	-
Cigarettes .....	211	38.1	38.1	41.3	40.3	-	3.1	2.4	3.4	3.6	-
Textile mill products .....	22	40.5	40.1	39.7	39.8	39.0	4.0	3.6	3.6	3.6	-
Broadwoven fabric mills, cotton .....	221	42.0	40.6	41.1	39.5	-	5.3	4.4	4.4	3.6	-
Broadwoven fabric mills, synthetics .....	222	41.2	41.0	40.8	40.2	-	3.9	3.9	3.9	3.6	-
Broadwoven fabric mills, wool .....	223	39.4	40.6	39.5	40.7	-	2.8	2.8	2.9	3.5	-
Narrow fabric mills .....	224	41.5	40.5	39.8	40.1	-	3.1	3.0	2.7	2.6	-
Knitting mills .....	225	38.4	38.2	37.3	37.3	-	3.3	2.8	2.8	2.8	-
Women's hosiery, except socks .....	2251	39.2	38.3	38.4	39.7	-	3.8	3.6	3.3	3.1	-
Hosiery, nec .....	2252	35.5	37.4	37.4	37.5	-	1.9	2.0	1.7	2.0	-
Knit outerwear mills .....	2253	38.3	37.7	35.1	34.9	-	3.9	2.8	3.0	2.7	-
Knit underwear mills .....	2254	38.1	37.9	38.6	35.6	-	2.4	1.9	1.7	2.3	-
Wet knit fabric mills .....	2257	40.2	39.9	38.9	38.5	-	3.8	3.3	3.1	3.1	-
Textile finishing, except wool .....	226	42.2	40.6	42.3	43.8	-	5.3	4.3	5.6	6.3	-
Finishing plants, cotton .....	2261	43.1	41.5	43.2	43.3	-	5.8	4.6	5.9	6.0	-
Finishing plants, synthetics .....	2262	41.8	40.3	42.5	44.8	-	5.2	4.3	6.2	7.0	-
Carpets and rugs .....	227	43.8	42.7	42.4	44.0	-	5.0	4.8	4.1	5.3	-
Yarn and thread mills .....	228	39.4	39.9	38.4	38.5	-	3.3	3.4	2.8	2.8	-
Yarn spinning mills .....	2281	39.6	40.2	38.7	38.9	-	3.5	3.7	2.9	2.9	-
Throwing and winding mills .....	2282	37.1	37.5	35.5	34.6	-	2.0	2.4	2.5	2.3	-
Miscellaneous textile goods .....	229	41.5	41.2	41.9	42.0	-	3.7	3.6	3.9	3.8	-
Apparel and other textile products .....	23	36.7	36.3	36.8	36.8	35.8	1.8	1.5	1.7	1.8	-
Men's and boys' suits and coats .....	231	35.8	35.8	36.8	37.2	-	.9	.7	1.1	1.2	-
Men's and boys' furnishings .....	232	36.7	36.6	36.1	36.2	-	1.5	1.3	1.4	1.5	-
Men's and boys' shirts .....	2321	36.4	36.6	35.7	36.8	-	1.3	1.3	1.3	1.4	-
Men's and boys' trousers and slacks .....	2325	36.0	35.9	35.4	36.3	-	1.5	1.3	1.2	1.6	-
Men's and boys' work clothing .....	2326	36.0	36.5	36.8	37.1	-	1.4	1.2	1.3	1.2	-
Women's and misses' outerwear .....	233	35.1	35.2	35.2	35.6	-	1.6	1.6	1.6	1.8	-
Women's and misses' blouses and shirts .....	2331	34.6	34.9	35.0	35.2	-	1.0	1.0	.8	1.1	-
Women's, juniors', and misses' dresses .....	2335	33.3	33.9	33.5	34.4	-	1.5	1.4	1.1	1.4	-
Women's and misses' suits and coats .....	2337	35.8	36.2	34.7	35.5	-	2.1	1.9	2.0	2.0	-
Women's and misses' outerwear, nec .....	2339	35.8	35.6	36.0	36.2	-	1.7	1.7	1.8	2.0	-
Women's and children's undergarments .....	234	36.2	36.4	38.1	38.1	-	1.3	1.3	1.8	1.8	-
Women's and children's underwear .....	2341	36.6	36.8	38.5	38.5	-	1.3	1.1	1.8	1.9	-
Brassieres, girdles, and allied garments .....	2342	34.4	34.6	35.9	35.9	-	1.5	2.0	1.6	1.5	-
Girls' and children's outerwear .....	236	36.8	37.3	36.9	37.6	-	2.0	2.4	1.5	2.1	-
Girls' and children's dresses and blouses .....	2361	35.7	36.3	37.2	37.0	-	2.0	2.5	2.0	2.3	-
Misc. apparel and accessories .....	238	37.5	37.1	36.9	37.0	-	1.7	1.4	1.3	1.3	-
Misc. fabricated textile products .....	239	39.3	37.5	39.0	38.9	-	3.0	1.9	2.8	2.5	-
Curtains and draperies .....	2391	37.4	35.2	37.0	38.3	-	2.6	1.5	2.2	3.1	-
House furnishings, nec .....	2392	40.2	38.5	40.1	39.1	-	3.6	2.3	3.8	2.9	-
Automotive and apparel trimmings .....	2396	41.2	37.8	39.7	39.3	-	3.9	1.7	2.8	2.4	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Grain mill products .....	204	\$11.55	\$11.41	\$11.83	\$11.96	-	\$532.46	\$508.89	\$547.73	\$553.75	-
Flour and other grain mill products .....	2041	10.66	10.47	10.86	10.83	-	503.15	475.34	550.60	532.84	-
Prepared feeds, nec .....	2048	8.88	8.92	9.26	9.37	-	381.84	380.88	393.55	405.72	-
Bakery products .....	205	10.66	10.65	10.97	11.03	-	428.53	418.55	436.61	438.99	-
Bread, cake, and related products .....	2051	10.60	10.65	10.94	11.01	-	421.88	413.22	431.04	429.39	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	10.78	10.64	11.03	11.06	-	440.90	429.86	445.61	455.67	-
Sugar and confectionery products .....	206	9.82	10.01	10.07	10.24	-	413.42	410.41	426.97	435.20	-
Raw cane sugar .....	2061	9.78	10.54	9.87	9.94	-	487.04	509.08	528.05	518.87	-
Cane sugar refining .....	2062	14.17	14.32	14.80	14.54	-	717.00	681.63	774.04	729.91	-
Beet sugar .....	2063	9.79	9.95	10.12	10.14	-	402.37	404.97	408.85	416.75	-
Candy and other confectionery products .....	2064	8.66	8.72	9.10	9.36	-	347.27	340.95	373.10	382.82	-
Fats and oils .....	207	9.93	9.80	10.29	10.37	-	445.86	430.22	472.31	478.06	-
Beverages .....	208	13.43	13.29	13.91	13.79	-	566.75	539.57	588.39	588.83	-
Malt beverages .....	2082	18.13	18.21	19.14	18.72	-	792.28	777.57	868.96	833.04	-
Bottled and canned soft drinks .....	2086	10.76	10.60	11.04	11.18	-	441.16	417.64	455.95	465.09	-
Misc. food and kindred products .....	209	8.87	8.92	9.17	9.14	-	350.37	336.28	363.13	368.34	-
Tobacco products .....	21	15.33	15.49	16.71	16.20	\$16.36	584.07	582.42	675.08	646.38	\$623.32
Cigarettes .....	211	19.48	19.38	20.27	20.37	-	742.19	738.38	837.15	820.91	-
Textile mill products .....	22	7.85	7.90	8.13	8.15	8.17	317.93	316.79	322.76	324.37	318.63
Broadwoven fabric mills, cotton .....	221	8.16	8.24	8.41	8.39	-	342.72	334.54	345.65	331.41	-
Broadwoven fabric mills, synthetics .....	222	8.42	8.49	8.80	8.79	-	346.90	348.09	359.04	353.36	-
Broadwoven fabric mills, wool .....	223	8.46	8.52	8.71	8.65	-	333.32	345.91	344.05	352.06	-
Narrow fabric mills .....	224	7.29	7.27	7.56	7.63	-	302.54	294.44	300.89	305.96	-
Knitting mills .....	225	7.20	7.24	7.44	7.41	-	276.48	276.57	277.51	276.39	-
Women's hosiery, except socks .....	2251	6.86	6.92	7.04	6.99	-	268.91	265.04	270.34	277.50	-
Hosiery, nec .....	2252	6.78	6.81	7.08	7.11	-	240.69	254.89	264.79	266.63	-
Knit outerwear mills .....	2253	7.11	7.13	7.39	7.30	-	272.31	268.80	259.39	254.77	-
Knit underwear mills .....	2254	7.15	7.29	7.30	7.32	-	272.42	276.29	267.18	260.59	-
Weft knit fabric mills .....	2257	7.79	7.88	8.07	8.03	-	313.16	314.41	313.92	309.16	-
Textile finishing, except wool .....	226	8.36	8.36	8.65	8.67	-	352.79	339.42	365.90	379.75	-
Finishing plants, cotton .....	2261	8.26	8.24	8.53	8.61	-	356.01	341.96	368.50	372.81	-
Finishing plants, synthetics .....	2262	8.68	8.75	9.08	9.04	-	362.82	352.63	385.90	403.18	-
Carpets and rugs .....	227	8.10	8.15	8.23	8.39	-	354.78	348.01	348.95	369.16	-
Yarn and thread mills .....	228	7.53	7.58	7.75	7.75	-	296.68	302.44	297.60	298.38	-
Yarn spinning mills .....	2281	7.53	7.58	7.73	7.74	-	298.19	304.72	299.15	301.09	-
Throwing and winding mills .....	2282	7.59	7.63	8.02	8.03	-	281.59	286.13	284.71	277.84	-
Miscellaneous textile goods .....	229	8.77	8.80	9.18	9.40	-	363.96	362.56	384.64	394.80	-
Apparel and other textile products .....	23	6.45	6.40	6.65	6.66	6.63	236.72	232.32	243.39	245.09	237.35
Men's and boys' suits and coats .....	231	7.20	7.33	7.36	7.43	-	257.76	262.41	270.85	276.40	-
Men's and boys' furnishings .....	232	5.85	5.95	6.13	6.11	-	214.70	217.77	221.29	221.18	-
Men's and boys' shirts .....	2321	5.79	5.92	6.06	6.01	-	210.76	216.67	216.34	221.17	-
Men's and boys' trousers and slacks .....	2325	5.74	5.80	6.01	6.05	-	206.64	208.22	212.75	219.62	-
Men's and boys' work clothing .....	2326	5.70	5.75	5.94	5.94	-	205.20	209.88	218.59	220.37	-
Women's and misses' outerwear .....	233	6.19	6.16	6.41	6.40	-	217.27	216.83	225.63	227.84	-
Women's and misses' blouses and shirts .....	2331	5.45	5.45	5.62	5.60	-	188.57	190.21	196.70	197.12	-
Women's, juniors', and misses' dresses .....	2335	6.56	6.42	6.86	6.88	-	218.45	217.64	229.81	236.67	-
Women's and misses' suits and coats .....	2337	6.73	6.85	7.18	7.18	-	240.93	247.97	249.15	254.89	-
Women's and misses' outerwear, nec .....	2339	6.11	6.08	6.24	6.24	-	218.74	216.45	224.64	225.89	-
Women's and children's undergarments .....	234	5.96	6.14	6.22	6.18	-	215.75	223.50	236.98	235.46	-
Women's and children's underwear .....	2341	5.79	5.95	6.07	6.02	-	211.91	218.96	233.70	231.77	-
Brassieres, girdles, and allied garments .....	2342	6.78	7.09	7.03	7.01	-	233.23	245.31	252.38	251.66	-
Girls' and children's outerwear .....	236	5.80	5.92	6.02	6.10	-	213.44	220.82	222.14	229.36	-
Girls' and children's dresses and blouses .....	2361	5.76	5.86	5.86	6.03	-	205.63	212.72	217.99	223.11	-
Misc. apparel and accessories .....	238	6.31	6.39	6.46	6.42	-	236.63	237.07	238.37	237.54	-
Misc. fabricated textile products .....	239	7.77	7.40	7.83	7.91	-	305.36	277.50	305.37	307.70	-
Curtains and draperies .....	2391	6.41	6.49	6.62	6.75	-	239.73	228.45	244.94	258.53	-
House furnishings, nec .....	2392	6.53	6.57	6.79	6.88	-	262.51	252.95	272.28	269.01	-
Automotive and apparel trimmings .....	2396	11.68	10.25	10.99	11.08	-	481.22	387.45	436.30	435.44	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products .....	26	43.9	43.4	43.7	44.2	43.1	4.9	4.6	5.2	5.0	-
Paper mills .....	262	45.7	44.8	45.2	46.2	-	4.9	4.4	5.9	5.5	-
Paperboard mills .....	263	45.6	45.8	46.7	46.3	-	7.2	7.1	8.2	8.0	-
Paperboard containers and boxes .....	265	43.3	42.6	43.2	43.4	-	4.7	4.3	4.8	4.7	-
Corrugated and solid fiber boxes .....	2653	44.0	43.2	43.8	43.5	-	5.2	4.5	5.3	5.1	-
Sanitary food containers .....	2656	44.6	42.3	44.5	46.4	-	4.4	3.8	4.1	4.8	-
Folding paperboard boxes .....	2657	42.8	42.3	42.6	43.1	-	4.7	4.5	4.8	4.6	-
Misc. converted paper products .....	267	42.8	42.5	42.4	42.9	-	4.4	4.2	4.4	4.3	-
Paper, coated and laminated, nec .....	2672	43.9	44.1	43.4	41.9	-	4.7	4.4	4.0	3.4	-
Bags: plastics, laminated, and coated .....	2673	42.9	42.1	42.1	43.4	-	5.0	4.7	5.2	5.3	-
Envelopes .....	2677	42.8	43.0	41.7	43.4	-	4.1	4.4	3.6	4.2	-
<b>Printing and publishing</b>											
Printing and publishing .....	27	38.3	37.6	38.1	38.5	37.3	3.2	2.8	3.2	3.2	-
Newspapers .....	271	33.9	32.6	33.8	33.3	-	1.5	1.0	1.7	1.3	-
Periodicals .....	272	38.0	38.2	38.3	38.4	-	3.0	3.2	3.6	3.1	-
Books .....	273	38.6	37.8	38.6	39.6	-	2.9	2.3	3.1	3.6	-
Book publishing .....	2731	38.4	38.7	38.7	39.7	-	2.5	2.3	2.0	2.8	-
Book printing .....	2732	38.9	36.6	38.4	39.5	-	3.4	2.3	4.5	4.5	-
Miscellaneous publishing .....	274	36.1	36.3	36.2	36.7	-	2.1	1.5	1.8	1.9	-
Commercial printing .....	275	39.7	38.9	39.6	39.9	-	3.8	3.4	3.7	3.8	-
Commercial printing, lithographic .....	2752	39.6	38.7	39.3	39.8	-	3.9	3.4	3.7	3.8	-
Commercial printing, nec .....	2759	39.6	39.0	39.9	39.9	-	3.5	3.2	3.7	3.5	-
Manifold business forms .....	276	44.9	42.4	41.9	43.7	-	5.8	4.2	3.8	4.9	-
Blankbooks and bookbinding .....	278	37.7	37.7	37.7	38.7	-	2.6	2.8	2.6	2.6	-
Printing trade services .....	279	39.4	39.4	39.3	39.6	-	3.9	4.0	4.3	4.5	-
<b>Chemicals and allied products</b>											
Chemicals and allied products .....	28	43.2	42.7	42.9	43.5	42.6	4.5	4.4	4.4	4.5	-
Industrial inorganic chemicals .....	281	42.3	42.4	43.8	44.3	-	4.1	3.8	4.6	4.7	-
Industrial inorganic chemicals, nec .....	2819	42.0	42.1	43.7	44.2	-	4.0	3.7	4.6	4.5	-
Plastics materials and synthetics .....	282	43.1	42.4	43.0	42.6	-	4.8	4.9	5.2	4.6	-
Plastics materials and resins .....	2821	44.4	44.2	44.2	44.1	-	5.5	5.5	5.9	5.5	-
Organic fibers, noncellulosic .....	2824	41.8	40.8	42.1	41.4	-	3.7	4.3	4.5	3.9	-
Drugs .....	283	43.8	42.5	42.2	43.6	-	4.4	4.4	4.0	4.5	-
Pharmaceutical preparations .....	2834	44.2	42.5	42.4	43.8	-	4.4	4.4	4.0	4.4	-
Soap, cleaners, and toilet goods .....	284	42.0	41.1	40.6	42.2	-	3.9	3.1	2.7	3.2	-
Soap and other detergents .....	2841	44.0	42.7	41.9	43.8	-	6.0	4.3	4.4	4.8	-
Polishing, sanitation, and finishing preparations .....	2842,3	43.4	42.1	40.3	42.0	-	3.5	3.2	2.4	2.5	-
Toilet preparations .....	2844	40.2	39.7	40.0	41.3	-	2.8	2.3	1.8	2.6	-
Paints and allied products .....	285	42.5	41.6	41.4	42.0	-	3.7	3.3	2.9	2.7	-
Industrial organic chemicals .....	286	45.2	45.7	45.3	45.8	-	5.7	6.3	5.7	5.9	-
Cyclic crudes and intermediates .....	2865	45.3	45.3	44.5	44.7	-	6.1	6.0	5.2	5.1	-
Industrial organic chemicals, nec .....	2869	45.3	45.9	45.6	46.3	-	5.7	6.5	5.9	6.2	-
Agricultural chemicals .....	287	43.5	44.1	44.2	44.4	-	4.9	5.0	5.8	5.4	-
Miscellaneous chemical products .....	289	43.1	42.6	43.1	43.4	-	4.0	3.9	4.5	4.2	-
<b>Petroleum and coal products</b>											
Petroleum and coal products .....	29	45.4	44.0	46.0	44.0	43.1	5.6	5.8	6.8	5.9	-
Petroleum refining .....	291	45.9	44.2	47.3	44.8	-	5.4	5.7	6.9	6.0	-
Asphalt paving and roofing materials .....	295	45.0	44.8	42.8	42.1	-	7.6	7.1	7.1	6.0	-
<b>Rubber and misc. plastics products</b>											
Rubber and misc. plastics products .....	30	41.4	40.8	41.1	41.6	40.9	3.5	3.4	3.5	3.5	-
Tires and inner tubes .....	301	42.7	43.5	43.3	42.5	-	5.0	5.2	5.1	4.5	-
Rubber and plastics footwear .....	302	41.4	44.4	42.5	43.4	-	2.1	3.3	3.1	3.5	-
Hose, belting, gaskets, and packing .....	305	41.5	41.8	42.1	42.5	-	3.1	3.0	3.7	3.7	-
Rubber and plastics hose and belting .....	3052	42.6	43.6	41.8	41.7	-	3.5	3.9	3.8	3.1	-
Fabricated rubber products, nec .....	306	41.7	40.2	40.3	41.2	-	3.2	2.7	2.7	2.7	-
Miscellaneous plastics products, nec .....	308	41.2	40.4	40.8	41.4	-	3.5	3.3	3.4	3.5	-
<b>Leather and leather products</b>											
Leather and leather products .....	31	37.8	37.2	36.7	37.7	36.4	1.9	1.9	1.9	2.0	-
Leather tanning and finishing .....	311	42.4	41.9	41.2	42.8	-	4.0	4.4	4.0	4.9	-
Footwear, except rubber .....	314	37.0	36.5	35.5	36.0	-	1.3	1.5	1.1	1.3	-
Men's footwear, except athletic .....	3143	36.6	36.7	35.7	36.9	-	.9	.9	1.2	1.1	-
Women's footwear, except athletic .....	3144	37.0	36.1	34.8	34.7	-	1.6	1.9	1.0	1.3	-
Luggage .....	316	37.7	37.5	40.6	42.5	-	1.7	1.9	3.2	3.0	-
Handbags and personal leather goods .....	317	36.3	35.4	37.3	37.4	-	3.0	2.1	2.2	1.4	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products .....	26	\$12.13	\$12.11	\$12.53	\$12.53	\$12.49	\$532.51	\$525.57	\$547.56	\$553.83	\$538.32
Paper mills .....	262	14.81	14.72	15.50	15.32	-	676.82	659.46	700.60	707.78	-
Paperboard mills .....	263	15.16	14.98	15.75	15.69	-	691.30	686.08	735.53	726.45	-
Paperboard containers and boxes .....	265	10.27	10.27	10.48	10.55	-	444.69	437.50	452.74	457.87	-
Corrugated and solid fiber boxes .....	2653	10.45	10.36	10.57	10.62	-	459.80	447.55	462.97	461.97	-
Sanitary food containers .....	2656	10.05	10.06	10.26	10.39	-	448.23	425.54	456.57	482.10	-
Folding paperboard boxes .....	2657	10.56	10.63	10.83	10.95	-	451.97	449.65	461.36	471.95	-
Misc. converted paper products .....	267	10.65	10.64	10.95	11.01	-	455.82	452.20	464.28	472.33	-
Paper, coated and laminated, nec .....	2672	11.85	12.00	12.54	12.45	-	520.22	529.20	544.24	521.66	-
Bags: plastics, laminated, and coated .....	2673	10.04	9.99	10.42	10.40	-	430.72	420.58	438.68	451.36	-
Envelopes .....	2677	9.99	9.99	10.26	10.29	-	427.57	429.57	427.84	446.59	-
Printing and publishing .....	27	11.09	11.12	11.38	11.45	11.42	424.75	418.11	433.58	440.83	425.97
Newspapers .....	271	10.96	11.08	11.34	11.34	-	371.54	361.21	383.29	377.62	-
Periodicals .....	272	11.77	11.82	11.96	12.01	-	447.26	451.52	458.07	461.18	-
Books .....	273	9.93	9.89	10.43	10.39	-	383.30	373.84	402.60	411.44	-
Book publishing .....	2731	9.64	9.56	10.30	10.29	-	370.18	369.97	398.61	408.51	-
Book printing .....	2732	10.28	10.34	10.59	10.52	-	399.89	378.44	406.66	415.54	-
Miscellaneous publishing .....	274	10.37	10.16	10.46	10.45	-	374.36	368.81	378.65	383.52	-
Commercial printing .....	275	11.36	11.39	11.61	11.72	-	450.99	443.07	459.76	467.63	-
Commercial printing, lithographic .....	2752	11.46	11.49	11.67	11.78	-	453.82	444.66	458.63	468.84	-
Commercial printing, nec .....	2759	11.08	11.16	11.45	11.54	-	438.77	435.24	456.86	460.45	-
Manifold business forms .....	276	11.64	11.57	11.97	12.20	-	522.64	490.57	501.54	533.14	-
Blankbooks and bookbinding .....	278	8.85	8.82	8.98	9.02	-	333.65	332.51	338.55	349.07	-
Printing trade services .....	279	13.44	13.64	13.77	14.00	-	529.54	537.42	541.16	554.40	-
Chemicals and allied products .....	28	13.32	13.34	13.73	13.75	13.82	575.42	569.62	589.02	598.13	588.73
Industrial inorganic chemicals .....	281	14.47	14.36	14.96	14.82	-	612.08	608.86	655.25	656.53	-
Industrial inorganic chemicals, nec .....	2819	14.57	14.46	15.28	15.12	-	611.94	608.77	667.74	668.30	-
Plastics materials and synthetics .....	282	13.74	13.68	14.30	14.36	-	592.19	580.03	614.90	611.74	-
Plastics materials and resins .....	2821	14.70	14.51	15.06	15.17	-	652.68	641.34	665.65	669.00	-
Organic fibers, noncellulosic .....	2824	12.92	13.01	13.58	13.54	-	540.06	528.21	571.72	560.56	-
Drugs .....	283	12.66	12.78	12.97	13.09	-	554.51	543.15	547.33	570.72	-
Pharmaceutical preparations .....	2834	12.71	12.80	12.91	13.04	-	561.78	544.00	547.38	571.15	-
Soap, cleaners, and toilet goods .....	284	11.70	11.60	11.91	12.07	-	491.40	476.76	483.55	509.35	-
Soap and other detergents .....	2841	15.43	15.37	15.32	15.43	-	678.92	656.30	641.91	675.83	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.19	10.14	10.45	10.55	-	442.25	426.89	421.14	443.10	-
Toilet preparations .....	2844	10.07	9.97	10.34	10.50	-	404.81	395.81	413.60	433.65	-
Paints and allied products .....	285	11.77	11.72	12.16	12.21	-	500.23	487.55	503.42	512.82	-
Industrial organic chemicals .....	286	15.76	15.76	16.16	16.10	-	712.35	720.23	732.05	737.38	-
Cyclic crudes and intermediates .....	2865	15.77	15.81	15.99	16.07	-	714.38	716.19	711.56	718.33	-
Industrial organic chemicals, nec .....	2869	15.93	15.93	16.38	16.27	-	721.63	731.19	746.93	753.30	-
Agricultural chemicals .....	287	13.16	13.43	13.97	14.02	-	572.46	592.26	617.47	622.49	-
Miscellaneous chemical products .....	289	12.13	12.15	12.43	12.44	-	522.80	517.59	535.73	539.90	-
Petroleum and coal products .....	29	15.75	15.87	16.60	16.52	16.69	715.05	698.28	763.60	726.88	719.34
Petroleum refining .....	291	16.84	17.07	17.92	17.79	-	772.96	754.49	847.62	796.99	-
Asphalt paving and roofing materials .....	295	12.62	12.16	13.05	12.85	-	567.90	544.77	558.54	540.99	-
Rubber and misc. plastics products .....	30	9.64	9.65	9.95	9.99	10.11	399.10	393.72	408.95	415.58	413.50
Tires and inner tubes .....	301	15.29	15.24	15.71	15.60	-	652.88	662.94	680.24	663.00	-
Rubber and plastics footwear .....	302	6.57	6.36	6.75	6.80	-	272.00	282.38	286.88	295.12	-
Hose, belting, gaskets, and packing .....	305	9.38	9.46	9.84	9.88	-	389.27	395.43	414.26	419.90	-
Rubber and plastics hose and belting .....	3052	9.61	9.72	10.01	9.90	-	409.39	423.79	418.42	412.83	-
Fabricated rubber products, nec .....	306	9.22	9.17	9.46	9.48	-	384.47	368.63	381.24	390.58	-
Miscellaneous plastics products, nec .....	308	9.02	9.02	9.29	9.37	-	371.62	364.41	379.03	387.92	-
Leather and leather products .....	31	6.74	6.82	7.00	7.08	7.10	254.77	253.70	256.90	266.92	258.44
Leather tanning and finishing .....	311	8.77	8.87	9.22	9.31	-	371.85	371.65	379.86	398.47	-
Footwear, except rubber .....	314	6.40	6.52	6.68	6.75	-	236.80	237.98	237.14	243.00	-
Men's footwear, except athletic .....	3143	6.85	6.98	7.28	7.25	-	250.71	256.17	259.90	267.53	-
Women's footwear, except athletic .....	3144	6.03	6.10	6.15	6.31	-	223.11	220.21	214.02	218.96	-
Luggage .....	316	6.58	6.81	7.02	6.98	-	248.07	255.38	285.01	296.65	-
Handbags and personal leather goods .....	317	6.11	5.95	6.18	6.20	-	221.79	210.63	230.51	231.88	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Transportation and public utilities .....</b>		38.7	37.8	38.8	39.0	38.1	-	-	-	-	-
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	42.4	41.5	44.5	44.0	-	-	-	-	-	-
Local and interurban passenger transit .....	41	33.3	32.9	32.1	33.1	-	-	-	-	-	-
Local and suburban transportation .....	411	38.0	38.3	37.8	38.1	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	38.6	39.1	38.4	39.0	-	-	-	-	-	-
Trucking and warehousing .....	42	38.8	37.4	38.2	38.9	-	-	-	-	-	-
Trucking and courier services, except air .....	421	38.7	37.3	38.0	38.8	-	-	-	-	-	-
Public warehousing and storage .....	422	39.6	39.0	40.4	40.0	-	-	-	-	-	-
Pipelines, except natural gas .....	46	42.5	41.6	41.9	42.5	-	-	-	-	-	-
Transportation services:											
Freight transportation arrangement .....	473	37.3	36.9	37.7	38.1	-	-	-	-	-	-
Communications .....	48	39.4	39.3	39.3	39.2	-	-	-	-	-	-
Telephone communications .....	481	40.9	40.8	41.0	40.8	-	-	-	-	-	-
Radio and television broadcasting .....	483	35.0	35.0	34.4	34.7	-	-	-	-	-	-
Cable and other pay television services .....	484	38.1	37.9	37.7	37.9	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	42.1	41.5	41.7	41.7	-	-	-	-	-	-
Electric services .....	491	42.0	41.2	41.5	41.7	-	-	-	-	-	-
Gas production and distribution .....	492	42.9	42.5	42.8	43.2	-	-	-	-	-	-
Combination utility services .....	493	42.7	42.0	41.2	40.6	-	-	-	-	-	-
Sanitary services .....	495	41.3	41.2	42.3	42.2	-	-	-	-	-	-
<b>Wholesale trade .....</b>		38.2	37.8	38.0	38.4	37.7	-	-	-	-	-
Durable goods .....	50	38.6	38.3	38.5	38.9	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	38.1	37.9	37.9	38.1	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.3	36.5	37.2	37.9	-	-	-	-	-	-
Lumber and other construction materials .....	503	39.4	38.7	39.5	39.7	-	-	-	-	-	-
Professional and commercial equipment .....	504	38.8	38.5	38.8	39.4	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	40.3	39.9	40.1	40.6	-	-	-	-	-	-
Electrical goods .....	506	38.6	38.4	38.5	38.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.9	38.6	38.8	38.9	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.0	38.8	38.6	39.1	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	36.9	36.5	37.0	37.6	-	-	-	-	-	-
Nondurable goods .....	51	37.6	37.0	37.4	37.6	-	-	-	-	-	-
Paper and paper products .....	511	37.3	37.1	37.5	38.3	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	37.8	37.6	36.8	37.7	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	36.9	35.9	36.9	36.8	-	-	-	-	-	-
Groceries and related products .....	514	38.4	37.5	38.3	38.3	-	-	-	-	-	-
Chemicals and allied products .....	516	40.2	40.2	40.3	40.6	-	-	-	-	-	-
Petroleum and petroleum products .....	517	38.5	38.1	37.9	38.4	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	36.5	35.6	36.3	36.9	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.8	36.2	36.2	36.5	-	-	-	-	-	-
<b>Retail trade .....</b>		29.3	28.1	28.4	29.2	27.8	-	-	-	-	-
Building materials and garden supplies .....	52	36.0	35.5	35.7	35.7	-	-	-	-	-	-
Lumber and other building materials .....	521	37.6	37.2	37.5	37.3	-	-	-	-	-	-
Hardware stores .....	525	32.6	31.6	32.0	32.5	-	-	-	-	-	-
General merchandise stores .....	53	30.6	26.9	28.1	30.9	-	-	-	-	-	-
Department stores .....	531	30.5	26.7	28.0	30.9	-	-	-	-	-	-
Variety stores .....	533	32.5	27.9	28.1	31.3	-	-	-	-	-	-
Misc. general merchandise stores .....	539	30.1	27.5	29.3	30.6	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>P</sup>	Jan. 1991 <sup>P</sup>
<b>Transportation and public utilities</b> .....		\$12.76	\$12.79	\$13.07	\$13.09	\$13.15	\$493.81	\$483.46	\$507.12	\$510.51	\$501.02
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	16.28	16.20	15.97	16.07	-	690.27	672.30	710.67	707.08	-
Local and interurban passenger transit .....	41	9.06	9.07	9.15	9.13	-	301.70	298.40	293.72	302.20	-
Local and suburban transportation .....	411	9.93	9.85	9.91	9.98	-	377.34	377.26	374.60	380.24	-
Intercity and rural bus transportation .....	413	11.89	11.71	11.58	11.40	-	451.23	457.86	444.67	444.60	-
Trucking and warehousing .....	42	11.70	11.59	11.76	11.83	-	453.96	433.47	449.23	460.19	-
Trucking and courier services, except air .....	421	11.86	11.75	11.92	11.97	-	458.98	438.28	452.96	464.44	-
Public warehousing and storage .....	422	9.42	9.44	9.79	9.83	-	373.03	368.16	395.52	393.20	-
Pipelines, except natural gas .....	46	17.06	16.69	17.15	17.69	-	725.05	694.30	718.59	751.83	-
Transportation services:											
Freight transportation arrangement .....	473	11.64	11.75	12.31	12.34	-	434.17	433.58	464.09	470.15	-
Communications .....	48	13.25	13.37	13.62	13.67	-	522.05	525.44	535.27	535.86	-
Telephone communications .....	481	13.91	13.98	14.25	14.29	-	568.92	570.38	584.25	583.03	-
Radio and television broadcasting .....	483	12.26	12.62	12.95	13.05	-	429.10	441.70	445.48	452.84	-
Cable and other pay television services .....	484	10.26	10.41	10.53	10.59	-	390.91	394.54	396.96	401.36	-
Electric, gas, and sanitary services .....	49	14.99	14.99	15.80	15.75	-	631.08	622.09	658.86	656.78	-
Electric services .....	491	15.38	15.50	16.13	16.13	-	645.96	638.60	669.40	672.62	-
Gas production and distribution .....	492	14.21	14.15	14.74	14.83	-	609.61	601.38	630.87	640.66	-
Combination utility services .....	493	17.16	17.03	19.11	18.91	-	732.73	715.26	787.33	767.75	-
Sanitary services .....	495	11.59	11.51	11.70	11.84	-	478.67	474.21	494.91	491.21	-
<b>Wholesale trade</b> .....		10.63	10.61	10.94	11.07	11.07	406.07	401.06	415.72	425.09	417.34
Durable goods .....	50	10.92	10.92	11.32	11.47	-	421.51	418.24	435.82	446.18	-
Motor vehicles, parts, and supplies .....	501	9.84	9.89	10.16	10.29	-	374.90	374.83	385.06	392.05	-
Furniture and home furnishings .....	502	10.00	9.96	10.30	10.30	-	373.00	363.54	383.16	390.37	-
Lumber and other construction materials .....	503	10.35	10.26	10.67	10.73	-	407.79	397.06	421.47	425.98	-
Professional and commercial equipment .....	504	12.58	12.62	13.36	13.67	-	488.10	485.87	518.37	538.60	-
Metals and minerals, except petroleum .....	505	11.12	11.18	11.39	11.50	-	448.14	446.06	456.74	466.90	-
Electrical goods .....	506	11.35	11.26	11.61	11.68	-	438.11	432.38	446.99	454.35	-
Hardware, plumbing, and heating equipment .....	507	10.26	10.23	10.68	10.83	-	399.11	394.88	414.38	421.29	-
Machinery, equipment, and supplies .....	508	11.00	10.99	11.26	11.36	-	429.00	426.41	434.64	444.18	-
Misc. wholesale trade durable goods .....	509	8.59	8.60	8.94	8.95	-	316.97	313.90	330.78	336.52	-
Nondurable goods .....	51	10.20	10.14	10.39	10.49	-	383.52	375.18	368.59	394.42	-
Paper and paper products .....	511	10.82	10.75	11.05	11.07	-	403.59	398.83	414.38	423.98	-
Drugs, proprietaries, and sundries .....	512	11.75	11.46	12.10	12.21	-	444.15	430.90	445.28	460.32	-
Apparel, piece goods, and notions .....	513	9.99	10.06	9.96	10.16	-	368.63	361.15	367.52	373.89	-
Groceries and related products .....	514	10.30	10.30	10.59	10.81	-	395.52	386.25	405.60	406.36	-
Chemicals and allied products .....	516	12.69	12.50	12.57	12.70	-	510.14	502.50	506.57	515.62	-
Petroleum and petroleum products .....	517	10.28	10.12	10.23	10.32	-	395.78	385.57	387.72	396.29	-
Beer, wine, and distilled beverages .....	518	12.11	11.76	12.32	12.68	-	442.02	418.86	447.22	467.89	-
Misc. wholesale trade nondurable goods .....	519	8.46	8.47	8.74	8.83	-	311.33	306.61	316.39	322.30	-
<b>Retail trade</b> .....		6.85	6.73	6.88	6.86	6.91	194.85	189.11	195.39	200.31	192.10
Building materials and garden supplies .....	52	7.87	7.89	8.05	8.07	-	283.32	280.10	287.39	286.10	-
Lumber and other building materials .....	521	8.26	8.23	8.41	8.42	-	310.58	306.16	315.38	314.07	-
Hardware stores .....	525	6.59	6.60	6.81	6.84	-	214.83	208.56	217.92	222.30	-
General merchandise stores .....	53	6.72	6.89	6.77	6.80	-	205.63	185.34	190.24	210.12	-
Department stores .....	531	6.94	7.11	6.92	6.97	-	211.67	189.84	193.76	215.37	-
Variety stores .....	533	5.41	5.50	5.68	5.69	-	175.83	153.45	159.61	178.10	-
Misc. general merchandise stores .....	539	5.92	6.18	6.33	6.29	-	178.19	169.95	185.47	192.47	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Retail trade—Continued</b>											
Food stores .....	54	29.6	28.9	29.5	29.5	-	-	-	-	-	-
Grocery stores .....	541	29.6	29.0	29.7	29.5	-	-	-	-	-	-
Retail bakeries .....	546	29.2	27.8	28.8	29.8	-	-	-	-	-	-
Automotive dealers and service stations .....	55	36.0	35.8	36.0	36.0	-	-	-	-	-	-
New and used car dealers .....	551	37.0	36.8	37.1	37.2	-	-	-	-	-	-
Auto and home supply stores .....	553	37.7	37.5	38.0	38.1	-	-	-	-	-	-
Gasoline service stations .....	554	34.1	33.7	33.6	33.7	-	-	-	-	-	-
Automotive dealers, nec .....	559	36.6	36.1	35.1	34.6	-	-	-	-	-	-
Apparel and accessory stores .....	56	27.7	25.8	26.6	27.9	-	-	-	-	-	-
Men's and boys' clothing stores .....	561	30.0	27.6	27.4	29.4	-	-	-	-	-	-
Women's clothing stores .....	562	24.6	22.9	23.7	24.7	-	-	-	-	-	-
Family clothing stores .....	565	26.0	25.2	27.1	28.9	-	-	-	-	-	-
Shoe stores .....	566	30.7	29.0	30.5	31.1	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	33.5	32.7	32.5	33.2	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	33.9	33.1	33.1	33.6	-	-	-	-	-	-
Household appliance stores .....	572	34.0	33.3	32.9	34.1	-	-	-	-	-	-
Radio, television, and computer stores .....	573	32.7	31.7	31.3	32.4	-	-	-	-	-	-
Radio, television, and electronic stores .....	5731	33.0	31.6	31.3	32.7	-	-	-	-	-	-
Record and prerecorded tape stores .....	5735	27.1	26.2	25.6	26.9	-	-	-	-	-	-
Eating and drinking places <sup>a</sup> .....	58	25.0	24.6	24.5	25.0	-	-	-	-	-	-
Miscellaneous retail establishments .....	59	30.6	29.0	29.1	30.5	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	27.8	26.9	27.4	28.0	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	29.5	27.5	27.4	29.5	-	-	-	-	-	-
Nonstore retailers .....	596	34.8	31.5	32.7	34.7	-	-	-	-	-	-
Fuel dealers .....	598	40.8	39.5	38.0	38.1	-	-	-	-	-	-
Retail stores, nec .....	599	32.5	30.9	31.0	32.2	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>a</sup></b> .....		<b>35.6</b>	<b>35.6</b>	<b>35.6</b>	<b>36.2</b>	<b>35.6</b>	-	-	-	-	-
Depository institutions .....	60	35.3	35.3	35.3	35.9	-	-	-	-	-	-
Commercial banks .....	602	35.1	35.2	35.2	35.6	-	-	-	-	-	-
Credit unions .....	606	35.6	35.5	35.4	35.7	-	-	-	-	-	-
Nondepository institutions .....	61	37.2	36.7	37.2	37.8	-	-	-	-	-	-
Personal credit institutions .....	614	37.5	37.0	37.4	37.8	-	-	-	-	-	-
Security and commodity brokers: Security and commodity services .....	628	36.9	37.7	37.6	37.7	-	-	-	-	-	-
Insurance carriers .....	63	37.1	37.1	37.4	37.8	-	-	-	-	-	-
Life insurance .....	631	37.0	36.9	37.1	37.5	-	-	-	-	-	-
Medical service and health insurance .....	632	37.8	37.9	36.4	38.5	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	36.9	36.6	37.3	37.6	-	-	-	-	-	-
<b>Services</b> .....		<b>32.5</b>	<b>32.4</b>	<b>32.4</b>	<b>32.7</b>	<b>32.1</b>	-	-	-	-	-
Hotels and other lodging places: Hotels and motels <sup>a</sup> .....	701	29.8	29.8	30.5	30.0	-	-	-	-	-	-
Personal services: Laundry, cleaning, and garment services .....	721	34.2	33.7	34.0	34.0	-	-	-	-	-	-
Beauty shops <sup>a</sup> .....	723	29.7	29.0	29.5	30.4	-	-	-	-	-	-
Miscellaneous personal services .....	729	22.8	23.1	25.7	26.3	-	-	-	-	-	-
Business services .....	73	33.4	33.1	33.1	33.6	-	-	-	-	-	-
Advertising .....	731	36.9	36.7	36.3	36.6	-	-	-	-	-	-
Services to buildings .....	734	28.8	28.7	26.5	29.0	-	-	-	-	-	-
Personnel supply services: Help supply services .....	7363	31.1	30.5	31.0	31.4	-	-	-	-	-	-
Computer and data processing services .....	737	36.2	37.9	37.7	38.2	-	-	-	-	-	-
Miscellaneous business services .....	738	34.7	34.3	34.1	34.6	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>p</sup>	Jan. 1991 <sup>p</sup>
<b>Retail trade—Continued</b>											
Food stores .....	54	\$7.24	\$7.31	\$7.60	\$7.43	-	\$214.30	\$211.26	\$224.20	\$219.19	-
Grocery stores .....	541	7.35	7.41	7.72	7.56	-	217.56	214.89	229.28	223.02	-
Retail bakeries .....	546	6.23	6.23	6.42	6.46	-	181.92	173.19	184.90	192.51	-
Automotive dealers and service stations .....	55	8.89	8.71	9.00	9.01	-	312.84	311.82	324.00	324.36	-
New and used car dealers .....	551	10.67	10.70	11.07	11.08	-	394.79	393.76	410.70	412.18	-
Auto and home supply stores .....	553	7.71	7.68	7.88	7.92	-	290.67	288.00	299.44	301.75	-
Gasoline service stations .....	554	6.10	6.09	6.26	6.28	-	208.01	205.23	210.34	211.64	-
Automotive dealers, nec .....	559	10.48	10.96	10.73	10.91	-	383.57	395.66	376.62	377.49	-
Apparel and accessory stores .....	56	6.13	6.18	6.38	6.39	-	169.80	159.44	169.71	178.28	-
Men's and boys' clothing stores .....	561	7.36	7.68	7.64	7.60	-	220.80	211.97	209.34	223.44	-
Women's clothing stores .....	562	5.76	5.84	6.12	6.11	-	141.70	133.74	145.04	150.92	-
Family clothing stores .....	565	6.02	6.12	6.40	6.39	-	168.56	154.22	173.44	184.67	-
Shoe stores .....	566	6.26	6.03	6.20	6.28	-	192.18	174.87	189.10	195.31	-
Furniture and home furnishings stores .....	57	8.56	8.54	8.64	8.77	-	286.76	279.26	280.80	291.16	-
Furniture and home furnishings stores .....	571	8.41	8.41	8.52	8.60	-	285.10	278.37	282.01	288.96	-
Household appliance stores .....	572	9.02	8.82	8.91	9.28	-	306.68	293.71	293.14	316.45	-
Radio, television, and computer stores .....	573	8.68	8.68	8.78	8.92	-	283.84	275.16	274.81	289.01	-
Radio, television, and electronic stores .....	5731	9.03	8.67	8.80	9.22	-	297.99	273.97	275.44	301.49	-
Record and prerecorded tape stores .....	5735	4.77	5.00	5.37	5.30	-	129.27	131.00	137.47	142.57	-
Eating and drinking places <sup>4</sup> .....	58	4.88	4.87	5.06	5.10	-	122.00	119.80	123.97	127.50	-
Miscellaneous retail establishments .....	59	6.86	7.05	7.18	7.18	-	209.92	204.45	208.94	218.99	-
Drug stores and proprietary stores .....	591	6.53	6.63	6.93	6.98	-	181.53	178.35	189.88	195.44	-
Miscellaneous shopping goods stores .....	594	6.34	6.59	6.71	6.69	-	187.03	181.23	183.85	197.36	-
Nonstore retailers .....	596	7.73	7.88	7.83	7.92	-	269.00	248.22	256.04	274.82	-
Fuel dealers .....	598	10.02	9.97	10.13	10.22	-	408.82	393.82	384.94	389.38	-
Retail stores, nec .....	599	7.02	7.28	7.41	7.38	-	228.15	224.95	229.71	237.64	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		9.73	9.80	10.14	10.25	\$10.25	346.39	348.88	380.98	371.05	\$364.90
Depository institutions .....	60	8.30	8.37	8.58	8.67	-	292.99	295.46	302.87	311.25	-
Commercial banks .....	602	8.00	8.04	8.19	8.29	-	280.80	283.01	288.29	296.78	-
Credit unions .....	606	7.94	8.03	8.17	8.31	-	282.86	285.07	289.22	296.67	-
Nondepository institutions .....	61	10.19	10.34	10.53	10.72	-	379.07	379.48	391.72	405.22	-
Personal credit institutions .....	614	9.28	9.33	9.44	9.78	-	348.00	345.21	353.06	369.68	-
Security and commodity brokers:											
Security and commodity services .....	828	13.21	13.24	13.53	13.76	-	487.45	499.15	508.73	518.75	-
Insurance carriers .....	63	10.85	10.92	11.33	11.47	-	402.54	405.13	423.74	433.57	-
Life insurance .....	631	10.11	10.17	10.44	10.54	-	374.07	375.27	387.32	395.25	-
Medical service and health insurance .....	632	10.50	10.64	10.83	11.00	-	396.90	403.26	415.67	423.50	-
Fire, marine, and casualty insurance .....	633	11.64	11.67	12.24	12.37	-	429.52	429.46	456.55	465.11	-
<b>Services</b> .....		9.68	9.72	10.05	10.14	10.17	314.60	314.93	325.62	331.58	326.46
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	6.96	6.92	7.14	7.26	-	207.41	206.22	217.77	217.80	-
Personal services:											
Laundry, cleaning, and garment services .....	721	6.71	6.71	6.91	6.94	-	229.48	226.13	234.94	235.96	-
Beauty shops <sup>4</sup> .....	723	7.08	6.87	7.15	7.20	-	210.28	199.23	210.93	218.88	-
Miscellaneous personal services .....	729	7.32	6.85	7.60	7.54	-	166.90	158.24	195.32	198.30	-
Business services .....	73	9.28	9.35	9.63	9.71	-	309.95	309.49	318.75	326.26	-
Advertising .....	731	13.22	13.19	13.57	13.95	-	487.82	484.07	492.59	513.36	-
Services to buildings .....	734	7.06	7.03	7.25	7.22	-	203.33	201.76	206.63	209.38	-
Personnel supply services:											
Help supply services .....	7363	7.90	8.03	8.13	8.19	-	245.69	244.92	252.03	257.17	-
Computer and data processing services .....	737	14.50	14.54	15.29	15.44	-	553.90	551.07	576.43	589.81	-
Miscellaneous business services .....	738	7.73	7.74	8.02	8.00	-	268.23	265.48	273.48	276.80	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>a</sup>	Jan. 1991 <sup>a</sup>
<b>Services—Continued</b>											
Detective and armored car services .....	7381	34.4	34.0	33.4	34.6	-	-	-	-	-	-
Auto repair, services, and parking .....	75	38.7	38.1	36.6	36.7	-	-	-	-	-	-
Automotive repair shops .....	753	38.5	37.9	38.3	38.3	-	-	-	-	-	-
Miscellaneous repair services .....	76	37.8	37.8	37.9	38.1	-	-	-	-	-	-
Motion pictures .....	78	27.4	27.6	27.7	28.3	-	-	-	-	-	-
Motion picture production and services .....	781	36.0	36.8	34.9	37.1	-	-	-	-	-	-
Amusement and recreation services .....	79	27.0	27.0	26.4	27.0	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	26.5	26.0	25.5	26.2	-	-	-	-	-	-
Health services .....	80	32.5	32.6	32.5	32.8	-	-	-	-	-	-
Offices and clinics of medical doctors .....	801	31.9	31.8	31.6	32.1	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.5	28.5	28.4	28.9	-	-	-	-	-	-
Nursing and personal care facilities .....	805	31.8	32.0	32.2	32.7	-	-	-	-	-	-
Hospitals .....	806	34.1	34.4	34.1	34.3	-	-	-	-	-	-
Home health care services .....	808	25.1	24.9	25.7	26.2	-	-	-	-	-	-
Legal services .....	81	34.9	34.7	34.7	35.6	-	-	-	-	-	-
Engineering and management services .....	87	37.2	37.1	37.0	37.3	-	-	-	-	-	-
Engineering and architectural services .....	871	38.9	38.9	38.9	39.0	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	36.9	37.3	36.7	37.3	-	-	-	-	-	-
Research and testing services .....	873	38.4	35.9	35.9	38.3	-	-	-	-	-	-
Management and public relations .....	874	35.7	35.3	35.3	35.5	-	-	-	-	-	-
Services, nec .....	89	37.0	37.0	36.4	37.2	-	-	-	-	-	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>3</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>3</sup>
<b>Services—Continued</b>											
Detective and armored car services .....	7381	\$6.06	\$6.13	\$6.35	\$6.32	-	\$208.46	\$208.42	\$212.09	\$218.67	-
Auto repair, services, and parking .....	75	8.69	8.69	8.89	8.94	-	318.92	313.71	325.37	328.10	-
Automotive repair shops .....	753	9.57	9.58	9.72	9.73	-	368.45	363.08	372.28	372.66	-
Miscellaneous repair services .....	76	10.19	10.20	10.39	10.46	-	385.18	385.56	393.78	398.53	-
Motion pictures .....	78	10.63	10.76	12.39	12.80	-	291.26	296.98	343.20	362.24	-
Motion picture production and services .....	781	16.49	16.65	18.87	19.42	-	593.64	612.72	658.56	720.48	-
Amusement and recreation services .....	79	8.35	8.34	8.62	8.58	-	225.45	225.18	227.57	231.66	-
Misc. amusement and recreation services .....	799	7.51	7.51	7.54	7.60	-	199.02	195.26	192.27	199.12	-
Health services .....	80	10.13	10.23	10.63	10.64	-	329.23	333.50	345.48	348.99	-
Offices and clinics of medical doctors .....	801	10.18	10.26	10.88	10.98	-	324.74	326.27	343.81	352.46	-
Offices and clinics of dentists .....	802	9.75	9.79	10.30	10.33	-	277.88	279.02	292.52	298.54	-
Nursing and personal care facilities .....	805	7.01	7.06	7.38	7.39	-	222.92	225.92	237.64	241.65	-
Hospitals .....	806	11.52	11.63	12.03	12.03	-	392.83	400.07	410.22	412.63	-
Home health care services .....	808	8.30	8.50	8.99	9.09	-	208.33	211.65	231.04	238.16	-
Legal services .....	81	13.72	13.86	14.34	14.58	-	478.83	480.94	497.60	519.05	-
Engineering and management services .....	87	13.37	13.34	13.79	14.02	-	497.36	494.91	510.23	522.95	-
Engineering and architectural services .....	871	14.48	14.48	15.02	15.26	-	563.27	563.27	584.28	595.14	-
Accounting, auditing, and bookkeeping .....	872	11.93	11.73	12.33	12.56	-	440.22	437.53	452.51	468.49	-
Research and testing services .....	873	13.92	13.95	14.37	14.56	-	506.69	500.81	515.88	528.53	-
Management and public relations .....	874	12.38	12.50	12.54	12.85	-	441.97	441.25	442.66	456.18	-
Services, nec .....	89	13.01	13.22	13.98	14.19	-	481.37	489.14	508.87	527.87	-

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

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

<sup>3</sup> Data relate to line-haul railroads with operating revenues of \$50,000,000 or more.

<sup>4</sup> Money payments only; tips, not included.

<sup>5</sup> Data for nonoffice sales agents are excluded from the nonsupervisory count for all series in this division.

- Data not available.

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

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

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

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

**C-2a. Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing**

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Nov. 1989	Dec. 1989	Nov. 1990	Dec. 1990 <sup>p</sup>	Nov. 1989	Dec. 1989	Nov. 1990	Dec. 1990 <sup>p</sup>
Average hourly earnings, excluding lump-sum payments .....	\$15.17	\$15.27	\$15.99	\$16.15	\$14.37	\$14.40	\$15.02	\$15.24
Average hourly earnings, including lump-sum payments .....	16.04	15.98	16.45	16.61	14.79	14.87	15.43	15.66

<sup>p</sup> = preliminary.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>2</sup>
<b>Manufacturing</b> .....	<b>\$10.20</b>	<b>\$10.16</b>	<b>\$10.49</b>	<b>\$10.58</b>	<b>\$10.63</b>
<b>Durable goods</b> .....	<b>10.69</b>	<b>10.60</b>	<b>10.98</b>	<b>11.08</b>	<b>11.14</b>
Lumber and wood products .....	8.63	8.64	8.77	8.77	(?)
Furniture and fixtures .....	8.13	8.19	8.39	8.42	(?)
Stone, clay, and glass products .....	10.39	10.39	10.66	10.71	(?)
Primary metal industries .....	11.91	11.91	12.38	12.39	(?)
Fabricated metal products .....	10.24	10.16	10.48	10.58	(?)
Industrial machinery and equipment .....	11.02	11.03	11.41	11.50	(?)
Electronic and other electrical equipment .....	9.73	9.76	10.09	10.12	(?)
Transportation equipment .....	13.27	12.99	13.59	13.80	(?)
Instruments and related products .....	10.69	10.73	11.06	11.16	(?)
Miscellaneous manufacturing .....	8.29	8.32	8.35	8.49	(?)
<b>Nondurable goods</b> .....	<b>9.53</b>	<b>9.56</b>	<b>9.85</b>	<b>9.90</b>	<b>\$9.95</b>
Food and kindred products .....	9.06	9.06	9.22	9.31	(?)
Tobacco products .....	14.78	15.04	16.13	15.58	(?)
Textile mill products .....	7.48	7.56	7.78	7.80	(?)
Apparel and other textile products .....	6.29	6.27	6.50	6.50	(?)
Paper and allied products .....	11.49	11.50	11.82	11.86	(?)
Printing and publishing .....	10.64	10.72	10.92	10.99	(?)
Chemicals and allied products .....	12.66	12.68	13.06	13.08	(?)
Petroleum and coal products .....	14.83	14.90	15.46	15.48	(?)
Rubber and misc. plastics products .....	9.24	9.26	9.54	9.58	(?)
Leather and leather products .....	6.58	6.65	6.83	6.90	(?)

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

<sup>2</sup> Not available.

<sup>p</sup> = 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 workers<sup>1</sup> on private nonfarm payrolls by major industry, in current and constant (1982) dollars**

Industry	Average hourly earnings					Average weekly earnings				
	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>2</sup>	Dec. 1989	Jan. 1990	Nov. 1990	Dec. 1990 <sup>2</sup>	Jan. 1991 <sup>2</sup>
<b>Total private:</b>										
Current dollars .....	\$9.84	\$9.87	\$10.17	\$10.20	\$10.24	\$340.46	\$336.57	\$348.83	\$353.94	\$345.09
Constant (1982) dollars .....	7.65	7.60	7.46	7.48	( <sup>3</sup> )	264.74	259.10	255.74	259.49	( <sup>3</sup> )
<b>Mining:</b>										
Current dollars .....	13.46	13.46	13.78	13.81	\$14.04	588.20	586.86	618.72	631.12	\$616.36
Constant (1982) dollars .....	10.47	10.36	10.10	10.12	( <sup>3</sup> )	457.39	451.78	453.61	462.70	( <sup>3</sup> )
<b>Construction:</b>										
Current dollars .....	13.84	13.59	13.82	13.87	\$13.97	512.08	510.98	527.92	532.61	\$501.52
Constant (1982) dollars .....	10.76	10.46	10.13	10.17	( <sup>3</sup> )	398.20	393.36	387.04	390.48	( <sup>3</sup> )
<b>Manufacturing:</b>										
Current dollars .....	10.68	10.60	10.98	11.07	\$11.06	441.08	430.36	447.98	457.19	\$443.51
Constant (1982) dollars .....	8.30	8.16	8.05	8.12	( <sup>3</sup> )	342.99	331.30	328.43	335.18	( <sup>3</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	12.76	12.79	13.07	13.09	\$13.15	493.81	483.46	507.12	510.51	\$501.02
Constant (1982) dollars .....	9.92	9.85	9.56	9.60	( <sup>3</sup> )	363.99	372.18	371.79	374.27	( <sup>3</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	10.63	10.61	10.94	11.07	\$11.07	406.07	401.06	415.72	425.09	\$417.34
Constant (1982) dollars .....	8.27	8.17	8.02	8.12	( <sup>3</sup> )	315.76	308.75	304.78	311.65	( <sup>3</sup> )
<b>Retail trade:</b>										
Current dollars .....	6.65	6.73	6.88	6.88	\$6.91	194.85	189.11	195.39	200.31	\$192.10
Constant (1982) dollars .....	5.17	5.18	5.04	5.03	( <sup>3</sup> )	151.52	145.58	143.25	146.85	( <sup>3</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	9.73	9.80	10.14	10.25	\$10.25	346.39	348.88	360.98	371.05	\$364.90
Constant (1982) dollars .....	7.57	7.54	7.43	7.51	( <sup>3</sup> )	269.35	268.58	264.65	272.03	( <sup>3</sup> )
<b>Services:</b>										
Current dollars .....	9.68	9.72	10.05	10.14	\$10.17	314.60	314.93	325.62	331.58	\$326.46
Constant (1982) dollars .....	7.53	7.48	7.37	7.43	( <sup>3</sup> )	244.63	242.44	238.72	243.09	( <sup>3</sup> )

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

<sup>2</sup> Not available.

<sup>3</sup> = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and

Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates 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 workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

Industry	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>p</sup>	Jan. <sup>p</sup>
<b>Total private</b> .....	34.4	34.6	34.6	34.5	34.5	34.7	34.5	34.5	34.7	34.2	34.4	34.6	34.1
<b>Mining</b> .....	43.6	43.7	43.5	43.4	43.6	44.4	43.7	43.9	44.7	44.0	44.8	45.0	43.9
<b>Construction</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Manufacturing</b> .....	40.7	40.8	40.8	40.7	40.9	41.0	40.9	41.0	41.0	40.7	40.5	40.7	40.2
<i>Overtime hours</i> .....	3.6	3.6	3.7	3.5	3.8	3.8	3.7	3.8	3.7	3.6	3.5	3.6	3.4
<b>Durable goods</b> .....	41.3	41.3	41.4	41.2	41.5	41.6	41.5	41.5	41.7	41.3	40.9	41.2	40.6
<i>Overtime hours</i> .....	3.6	3.6	3.8	3.5	3.9	3.9	3.8	3.9	3.8	3.6	3.5	3.6	3.3
Lumber and wood products .....	40.4	40.1	40.4	40.2	40.4	40.3	40.2	40.4	40.7	39.8	39.5	39.9	39.2
Furniture and fixtures .....	39.6	39.3	39.2	39.0	39.2	39.3	39.6	39.4	39.1	38.6	38.5	38.8	38.4
Stone, clay, and glass products .....	42.3	42.2	42.0	42.0	42.1	42.3	41.7	42.3	42.2	41.2	41.8	42.0	40.8
Primary metal industries .....	42.6	42.5	42.7	41.8	43.0	43.0	43.1	42.9	43.0	42.9	42.6	42.4	41.7
Blast furnaces and basic steel products ..	43.1	42.9	43.0	42.9	43.5	43.3	44.1	43.5	43.9	43.8	43.9	43.6	42.5
Fabricated metal products .....	41.1	41.4	41.5	41.2	41.7	41.6	41.7	41.6	41.6	41.2	40.8	41.1	40.6
Industrial machinery and equipment .....	42.1	42.1	42.0	41.8	42.1	42.0	42.0	42.1	42.1	42.1	41.8	42.1	41.7
Electronic and other electrical equipment ..	40.9	41.1	41.0	40.9	40.9	41.0	40.7	40.6	41.1	40.7	40.7	40.8	40.3
Transportation equipment .....	41.5	41.6	42.0	41.9	42.5	42.6	42.8	42.6	42.8	42.5	41.1	41.6	41.1
Motor vehicles and equipment .....	41.0	41.5	42.3	41.8	43.4	43.7	43.6	43.7	43.5	42.9	40.3	41.3	41.0
Instruments and related products .....	40.9	41.0	41.1	41.2	41.1	41.2	41.2	41.3	41.3	41.0	41.0	41.2	40.7
Miscellaneous manufacturing .....	39.5	39.5	39.4	39.2	39.4	39.4	39.5	39.9	39.9	39.8	39.6	39.3	39.0
<b>Nondurable goods</b> .....	40.0	40.0	40.0	40.0	40.1	40.3	40.1	40.2	40.2	40.0	39.9	40.1	39.7
<i>Overtime hours</i> .....	3.5	3.5	3.6	3.4	3.6	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.4
Food and kindred products .....	40.6	40.6	40.7	40.6	40.8	40.9	40.5	41.0	41.2	40.6	40.8	40.8	40.6
Tobacco products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Textile mill products .....	40.3	40.2	40.0	40.0	40.2	40.4	40.2	40.0	40.0	39.9	39.3	39.5	39.2
Apparel and other textile products .....	36.6	36.6	36.3	36.4	36.6	36.7	36.6	36.6	36.6	36.4	36.3	36.5	36.1
Paper and allied products .....	43.2	43.1	43.2	43.3	43.3	43.5	43.5	43.5	43.2	43.5	43.4	43.5	42.9
Printing and publishing .....	37.9	37.9	38.0	37.8	37.9	38.0	38.0	38.2	38.0	37.9	37.8	37.9	37.6
Chemicals and allied products .....	42.7	42.4	42.5	42.6	42.6	42.6	42.4	42.3	42.7	42.6	42.6	42.9	42.6
Petroleum and coal products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rubber and misc. plastics products .....	40.8	41.2	41.4	40.9	41.4	41.6	41.5	41.3	41.4	41.1	40.9	41.1	40.9
Leather and leather products .....	37.4	37.7	37.7	37.5	37.4	37.5	37.4	37.7	37.5	37.2	36.8	37.3	36.6
<b>Transportation and public utilities</b> .....	38.3	38.7	39.0	39.0	39.1	39.2	39.0	38.9	39.1	38.4	38.7	38.9	38.6
<b>Wholesale trade</b> .....	38.0	38.0	38.1	38.1	38.0	38.1	38.1	38.1	38.2	37.9	38.0	38.3	37.9
<b>Retail trade</b> .....	28.8	28.9	29.0	29.0	29.0	29.0	28.9	28.7	26.9	28.4	28.7	28.7	28.5
<b>Finance, insurance, and real estate</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Services</b> .....	32.5	32.6	32.5	32.6	32.5	32.6	32.6	32.5	32.8	32.3	32.5	32.8	32.2

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

<sup>2</sup> These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates 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 workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(1982=100)

Industry	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>p</sup>	Jan. <sup>p</sup>
<b>Total private</b> .....	123.6	124.4	124.4	124.2	124.6	125.3	124.8	124.6	125.3	123.1	123.4	124.0	121.7
<b>Goods-producing</b> .....	111.1	112.1	111.5	110.1	111.2	111.7	110.5	110.5	110.3	108.0	107.0	107.2	103.8
<b>Mining</b> .....	64.4	64.9	64.9	65.2	65.9	68.0	66.9	66.1	67.3	66.6	67.9	68.5	66.1
<b>Construction</b> .....	144.9	147.7	144.6	138.6	142.1	144.3	138.4	139.8	139.7	132.1	135.4	135.5	123.0
<b>Manufacturing</b> .....	106.8	107.6	107.5	107.0	107.5	107.6	107.4	107.1	106.8	105.6	103.5	103.7	102.2
<b>Durable goods</b> .....	105.9	107.2	107.3	106.5	107.3	107.1	107.1	106.5	105.9	104.6	101.8	102.0	100.2
Lumber and wood products .....	133.0	131.5	132.5	131.7	131.9	130.5	129.7	129.7	130.5	126.1	122.9	123.3	119.7
Furniture and fixtures .....	128.2	127.0	126.6	125.4	125.7	126.0	125.8	125.7	123.9	121.4	118.0	118.0	116.5
Stone, clay, and glass products .....	113.3	113.3	111.7	110.7	110.5	110.5	108.2	109.5	108.7	105.9	106.2	106.2	101.4
Primary metal industries .....	92.4	92.6	92.7	90.9	93.5	93.5	94.3	93.0	92.9	92.7	90.9	89.7	87.7
Blast furnaces and basic steel products .....	81.4	80.3	79.3	79.1	81.2	80.4	82.3	80.8	81.6	81.8	81.6	80.6	77.8
Fabricated metal products .....	106.1	107.4	107.7	107.2	108.3	107.8	108.5	108.1	107.4	105.9	103.5	103.8	102.2
Industrial machinery and equipment .....	99.7	99.4	98.8	98.2	98.9	98.4	98.5	98.1	96.8	96.8	95.4	95.3	94.4
Electronic and other electrical equipment .....	110.1	110.3	110.2	109.7	109.5	109.6	108.3	107.2	107.6	106.1	104.9	104.7	102.6
Transportation equipment .....	110.9	119.8	121.1	120.2	121.8	123.3	124.1	122.2	121.3	120.0	110.0	112.5	109.8
Motor vehicles and equipment .....	105.2	125.5	128.3	123.4	131.2	133.7	133.2	131.2	129.1	127.2	109.3	115.0	111.8
Instruments and related products .....	87.9	88.2	88.4	88.4	87.7	87.2	86.8	86.5	86.0	84.8	84.3	84.7	84.2
Miscellaneous manufacturing .....	105.9	105.6	104.6	102.9	104.2	102.7	104.5	104.8	104.8	103.8	102.1	101.7	101.7
<b>Nondurable goods</b> .....	108.2	108.0	107.8	107.6	107.9	108.2	107.7	108.0	107.9	106.9	106.0	106.0	105.0
Food and kindred products .....	108.4	108.3	108.5	108.7	109.2	108.7	107.9	109.7	110.4	108.9	109.1	109.7	109.3
Tobacco products .....	66.9	67.6	68.1	64.7	65.8	64.3	66.6	68.8	68.5	66.0	66.8	69.0	67.8
Textile mill products .....	103.0	102.2	101.2	101.2	100.9	101.2	100.6	100.1	99.4	97.6	96.2	95.7	95.0
Apparel and other textile products .....	95.2	94.4	92.7	92.9	92.9	93.0	92.4	92.4	92.3	91.3	89.7	89.8	88.0
Paper and allied products .....	110.4	110.3	110.4	110.8	110.4	111.4	111.6	111.8	110.8	111.4	110.2	110.5	109.8
Printing and publishing .....	128.0	128.1	128.4	127.6	128.1	128.6	129.0	129.6	128.3	127.8	126.7	126.5	125.6
Chemicals and allied products .....	105.4	104.4	104.3	104.6	104.6	104.4	104.3	103.2	104.1	103.9	103.5	104.3	103.2
Petroleum and coal products .....	86.9	88.4	89.2	88.0	88.0	93.0	88.3	88.0	89.9	86.8	92.0	86.8	85.4
Rubber and misc. plastics products .....	124.3	125.0	125.6	124.6	126.0	127.3	127.2	126.8	126.7	125.2	122.2	121.5	120.9
Leather and leather products .....	62.6	63.1	63.1	62.2	61.5	61.1	59.8	59.6	58.8	57.1	55.4	55.6	54.0
<b>Service-producing</b> .....	129.3	129.9	130.2	130.5	130.6	131.4	131.2	130.9	132.0	129.9	130.8	131.6	129.8
<b>Transportation and public utilities</b> .....	112.9	114.2	115.3	115.2	116.0	116.7	115.8	115.2	116.4	114.4	115.4	116.5	115.9
<b>Wholesale trade</b> .....	119.2	119.1	119.4	119.3	118.9	119.8	119.5	119.5	119.6	118.4	118.4	119.0	117.6
<b>Retail trade</b> .....	124.4	124.4	124.9	125.0	125.1	125.3	125.1	124.1	124.9	122.5	123.3	123.0	122.4
<b>Finance, insurance, and real estate</b> .....	121.4	122.2	122.3	122.6	122.5	122.9	123.1	122.9	124.1	121.2	122.0	123.7	121.3
<b>Services</b> .....	142.8	143.8	143.9	144.4	144.6	145.8	145.9	146.0	147.7	145.7	146.9	148.2	145.3

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

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates 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 workers<sup>1</sup> on private nonfarm payrolls, seasonally adjusted**

Industry	1990												1991
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. <sup>p</sup>	Jan. <sup>p</sup>
	Average hourly earnings												
<b>Total private (in current dollars)</b> .....	\$9.82	\$9.88	\$9.93	\$9.96	\$9.98	\$10.03	\$10.07	\$10.09	\$10.13	\$10.12	\$10.14	\$10.19	\$10.18
<b>Mining</b> .....	13.33	13.33	13.51	13.59	13.58	13.73	13.79	13.73	13.83	13.79	13.84	13.74	13.91
<b>Construction</b> .....	13.55	13.63	13.66	13.62	13.71	13.73	13.76	13.78	13.82	13.82	13.79	13.79	13.93
<b>Manufacturing</b> .....	10.57	10.67	10.73	10.75	10.81	10.86	10.89	10.90	10.93	10.97	10.97	11.01	11.04
<b>Excluding overtime<sup>2</sup></b> .....	10.13	10.22	10.28	10.34	10.35	10.38	10.40	10.40	10.44	10.50	10.50	10.55	10.60
<b>Transportation and public utilities</b> .....	12.78	12.83	12.87	12.96	12.88	12.92	13.02	13.00	13.02	13.03	13.02	13.06	13.14
<b>Wholesale trade</b> .....	10.57	10.62	10.67	10.74	10.74	10.80	10.84	10.84	10.94	10.89	10.93	11.05	11.03
<b>Retail trade</b> .....	8.68	6.69	6.73	6.74	6.76	6.78	6.79	6.82	6.83	6.84	6.87	6.85	6.86
<b>Finance, insurance, and real estate</b> .....	9.73	9.77	9.82	9.88	9.87	9.98	10.08	10.06	10.17	10.11	10.12	10.27	10.17
<b>Services</b> .....	9.63	9.67	9.72	9.79	9.80	9.85	9.92	9.93	9.98	9.96	9.99	10.07	10.07
<b>Total private (in constant dollars)<sup>3</sup></b> .....	7.54	7.55	7.56	7.57	7.58	7.58	7.58	7.54	7.50	7.45	7.44	7.46	(*)
	Average weekly earnings												
<b>Total private:</b>													
In current dollars .....	337.81	341.85	343.58	343.62	344.31	348.04	347.42	346.11	351.51	346.10	348.82	352.57	347.14
In constant (1982) dollars <sup>3</sup> .....	259.45	261.35	261.48	261.31	261.63	262.87	261.61	259.98	260.38	254.67	256.11	258.10	(*)

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

<sup>2</sup> Derived by assuming that overtime hours are paid at the rate of time and one-half.

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

<sup>4</sup> Not available.

<sup>p</sup> = 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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Alabama</b> .....	41.6	40.9	41.3	\$9.27	\$9.60	\$9.68	\$385.63	\$392.64	\$399.78
Birmingham .....	41.2	41.4	41.7	9.56	9.91	9.98	393.87	410.27	416.17
Mobile .....	41.8	42.0	43.0	11.37	11.31	11.40	475.27	475.02	490.20
<b>Alaska</b> .....	39.1	38.1	37.4	13.98	13.27	13.14	546.62	505.59	491.44
<b>Arizona</b> .....	41.9	40.5	40.7	10.07	10.47	10.51	421.93	424.04	427.76
<b>Arkansas</b> .....	41.2	40.1	41.4	8.42	8.68	8.65	346.90	348.07	356.04
Fayetteville-Springdale .....	38.9	39.5	41.1	7.74	7.84	7.68	301.09	309.68	315.65
Fort Smith .....	39.7	38.3	41.1	8.58	8.67	8.65	340.63	332.06	355.52
Little Rock-North Little Rock .....	41.7	41.5	40.7	9.02	9.04	9.30	378.13	375.16	378.51
Pine Bluff .....	46.0	44.6	44.5	10.25	11.18	11.36	471.50	498.63	505.52
<b>California</b> .....	41.2	40.7	41.2	11.32	11.67	11.72	466.38	474.97	482.88
Anaheim-Santa Ana .....	42.8	41.0	41.5	11.49	11.90	11.90	491.77	487.90	493.85
Bakersfield .....	39.8	39.4	39.6	11.96	12.46	12.39	476.01	490.92	490.64
Fresno .....	39.9	40.5	40.7	9.15	9.81	10.05	365.09	397.31	409.04
Los Angeles-Long Beach .....	41.3	41.0	41.3	10.77	11.06	11.05	444.80	453.46	456.37
Modesto .....	41.1	39.8	40.2	10.53	10.86	11.08	432.78	432.23	445.42
Oakland .....	42.7	41.9	43.3	13.15	13.61	13.70	581.51	570.26	593.21
Oxnard-Ventura .....	42.0	42.4	43.2	10.81	11.25	11.21	454.02	477.00	484.27
Riverside-San Bernardino .....	40.3	40.2	40.7	10.20	10.55	10.82	411.06	424.11	440.37
Sacramento .....	39.6	38.6	39.3	11.85	12.22	12.22	469.26	471.69	479.46
San Diego .....	41.1	41.0	41.5	11.35	11.84	12.01	466.49	465.44	498.42
San Francisco .....	39.6	39.8	40.3	13.07	13.18	13.34	517.57	524.56	537.60
San Jose .....	41.1	40.8	41.3	13.87	13.81	13.85	561.84	563.45	572.01
Santa Barbara-Santa Maria-Lompoc .....	40.8	41.6	41.6	11.56	11.92	11.96	471.65	495.67	499.93
Santa Rosa-Petaluma .....	37.3	38.0	38.6	10.62	11.56	11.49	403.59	439.28	443.51
Stockton .....	42.1	40.6	42.9	11.28	11.49	11.45	474.89	466.49	491.21
Vallejo-Fairfield-Napa .....	42.3	39.9	40.3	13.38	13.57	13.60	565.97	541.44	548.08
<b>Colorado</b> .....	41.1	41.9	42.2	10.57	11.36	11.22	434.43	475.98	473.48
Denver .....	41.0	40.9	40.5	11.77	12.74	12.74	482.57	521.07	515.97
<b>Connecticut</b> .....	42.7	42.7	42.8	11.35	11.63	11.77	484.65	496.60	503.76
Bridgeport-Milford .....	43.0	42.4	42.7	11.73	12.31	12.35	504.39	521.94	527.35
Hartford .....	43.2	42.4	42.6	12.02	12.56	12.71	519.26	532.54	541.45
New Britain .....	43.4	42.8	42.7	11.96	12.42	12.74	519.06	531.58	544.00
New Haven-Meriden .....	42.0	41.0	41.1	10.94	11.10	11.13	459.48	455.10	457.44
Stamford .....	41.4	41.3	41.5	11.53	12.12	12.18	477.34	500.56	505.47
Waterbury .....	43.2	43.1	42.6	10.28	10.93	11.05	444.10	471.08	470.73
<b>Delaware</b> .....	41.2	41.3	41.2	12.66	11.95	12.69	521.59	493.54	522.83
Wilmington .....	43.6	43.1	43.9	15.08	14.95	15.62	657.49	644.35	894.50
<b>District of Columbia:</b>									
Washington MSA .....	38.9	39.4	39.0	12.16	12.73	12.90	473.02	501.56	503.10
<b>Florida</b> .....	42.2	41.4	41.7	8.82	9.16	9.21	372.20	379.22	384.06
Fort Lauderdale-Hollywood-Pompano Beach .....	43.2	42.2	43.0	8.76	9.35	9.42	378.43	394.57	405.06
Jacksonville .....	41.1	41.8	42.1	9.42	9.61	9.81	387.16	401.70	413.00
Miami-Hialeah .....	40.2	40.1	41.3	7.49	7.52	7.56	301.10	301.55	312.23
Orlando .....	42.1	42.2	42.3	10.11	10.42	10.16	425.63	439.72	429.77
Pensacola .....	44.5	45.6	46.2	11.64	12.38	12.30	517.98	564.53	568.26
Tampa-St. Petersburg-Clearwater .....	42.4	40.6	41.5	9.03	9.35	9.48	382.87	379.61	393.42
West Palm Beach-Boca Raton-Delray Beach .....	44.0	42.8	42.6	9.68	10.23	10.12	425.92	435.60	431.11
<b>Georgia</b> .....	42.1	40.9	41.7	9.07	9.30	9.40	381.85	380.37	391.98
Atlanta .....	40.8	41.3	42.1	10.18	10.60	10.67	415.34	437.78	449.21
Savannah .....	45.7	46.6	48.5	11.74	11.30	11.61	536.52	526.58	563.09
<b>Hawaii</b> .....	42.3	40.0	41.6	10.59	11.10	11.44	447.96	444.00	478.19
Honolulu .....	42.3	39.6	41.2	10.77	11.57	11.96	455.57	458.17	492.75
<b>Idaho</b> .....	39.8	38.0	38.2	10.31	10.96	10.98	410.34	416.48	419.44

See footnotes at end of table.



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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Illinois</b> .....	42.3	41.5	41.4	\$11.32	\$11.56	\$11.60	\$478.84	\$479.74	\$480.24
Aurora-Elgin .....	41.1	40.8	41.0	10.78	11.23	11.29	443.06	458.18	462.89
Bloomington-Normal .....	44.2	44.1	43.4	12.63	13.72	13.82	558.25	605.05	599.79
Champaign-Urbana-Rantoul .....	41.8	41.3	41.2	10.01	9.96	10.00	418.42	411.35	412.00
Chicago .....	42.3	41.4	41.5	11.06	11.25	11.26	467.84	465.75	467.29
Davenport-Rock Island-Moline .....	41.5	41.4	41.1	13.46	13.46	13.57	558.59	557.24	557.73
Decatur .....	45.5	44.0	43.7	14.47	15.23	15.35	658.39	670.12	670.80
Joliet .....	42.2	42.2	41.3	12.99	13.20	13.15	548.18	557.04	543.10
Kankakee .....	42.2	43.6	43.8	11.55	12.13	12.13	467.41	528.87	531.29
Lake County .....	41.4	40.0	40.1	11.81	11.53	11.41	488.93	461.20	457.54
Peoria .....	43.5	43.6	43.2	13.83	14.20	14.44	601.61	619.12	623.81
Rockford .....	42.6	41.4	41.2	12.33	12.60	12.56	525.26	521.64	517.47
Springfield .....	37.2	38.4	38.5	10.32	11.16	10.93	383.90	428.54	420.81
<b>Indiana</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Iowa</b> .....	40.9	40.8	41.2	11.14	11.42	11.67	455.63	465.94	480.80
Cedar Rapids .....	39.8	41.1	40.4	12.80	13.98	14.43	509.44	574.58	582.97
Des Moines .....	42.1	40.9	42.3	12.32	12.26	12.44	518.67	502.25	526.21
Dubuque .....	39.7	41.6	42.5	11.96	12.07	12.22	474.81	502.11	519.35
Sioux City .....	41.3	40.4	41.9	8.43	9.27	9.13	348.16	374.51	362.55
<b>Kansas</b> .....	40.5	40.8	40.8	10.91	10.88	11.03	441.86	443.90	450.02
Topeka .....	40.8	39.6	39.2	12.21	12.43	12.43	498.17	492.23	487.26
Wichita .....	40.4	41.4	40.8	11.78	12.30	12.34	475.91	509.22	503.47
<b>Kentucky</b> .....	38.7	39.9	40.6	10.43	10.77	10.88	403.64	429.72	440.92
Lexington-Fayette .....	40.7	42.0	41.9	10.70	11.47	11.38	435.49	481.74	476.82
Louisville .....	37.9	40.1	43.2	11.83	12.43	12.73	448.36	498.44	549.94
<b>Louisiana</b> .....	43.6	43.9	43.7	11.29	11.72	11.90	492.24	514.51	520.03
Baton Rouge .....	44.6	44.5	46.0	13.10	13.28	13.48	584.26	590.96	620.08
New Orleans .....	42.8	43.2	42.5	10.90	11.12	11.02	466.52	480.38	488.35
Shreveport .....	40.8	45.0	44.8	11.35	12.53	13.40	463.08	563.85	600.32
<b>Maine</b> .....	41.1	39.7	41.0	10.23	10.91	10.76	420.45	433.13	441.16
Lewiston-Auburn .....	36.9	38.4	38.3	9.06	9.84	9.48	335.05	370.18	363.06
Portland .....	40.7	37.5	39.6	10.58	10.70	10.44	430.61	401.25	415.51
<b>Maryland</b> .....	40.9	41.1	41.2	11.43	11.80	11.66	467.49	484.98	480.39
Baltimore MSA .....	40.9	41.5	41.4	11.89	12.27	12.12	486.30	509.21	501.77
<b>Massachusetts</b> .....	41.0	40.6	40.7	11.13	11.51	11.56	456.33	467.31	470.49
Boston .....	41.3	40.5	41.0	11.87	12.52	12.53	490.23	507.06	513.73
Springfield .....	42.0	41.9	41.5	10.53	10.83	10.94	442.26	453.78	454.01
Worcester .....	41.4	41.3	41.6	10.97	11.06	10.94	454.16	456.78	455.10
<b>Michigan</b> .....	42.9	40.3	41.6	13.63	13.97	14.20	584.73	562.99	590.72
Ann Arbor .....	44.1	43.9	42.7	14.35	15.80	15.77	632.83	693.62	673.38
Battle Creek .....	43.0	42.7	42.3	14.22	14.69	14.83	611.46	627.26	627.31
Detroit .....	43.9	41.7	42.4	14.65	15.04	15.24	643.13	627.17	646.18
Flint .....	42.2	37.2	39.9	17.03	17.81	18.23	718.67	662.53	727.38
Grand Rapids .....	41.8	39.1	41.6	11.77	11.88	11.97	491.99	463.73	497.95
Jackson .....	41.8	39.5	41.3	10.55	10.70	10.94	438.88	422.65	451.82
Kalamazoo .....	41.9	41.4	43.8	13.13	14.05	14.32	550.15	581.67	627.22
Lansing-East Lansing .....	43.2	37.3	40.3	15.44	16.22	16.12	667.01	605.01	649.64
Muskegon .....	42.9	38.4	41.3	12.27	12.61	12.82	526.38	484.22	529.47
Saginaw-Bay City-Midland .....	42.9	38.8	40.6	15.51	16.04	16.22	665.38	622.35	658.53
<b>Minnesota</b> .....	40.8	40.6	40.9	11.19	11.36	11.38	456.55	461.22	465.44
Duluth .....	38.1	39.0	38.8	12.14	11.92	11.83	462.53	484.88	459.00
Minneapolis-St. Paul .....	41.0	40.5	41.1	11.66	12.02	12.04	478.88	486.81	494.84
St. Cloud .....	37.7	39.5	41.7	10.34	10.06	10.29	389.82	397.37	429.09
<b>Mississippi</b> .....	40.7	39.1	39.6	8.19	8.47	8.55	333.33	331.18	338.58
Jackson .....	40.8	39.5	40.4	9.28	9.41	9.48	378.62	371.70	382.99

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Missouri</b> .....	41.5	40.3	41.3	\$10.76	\$10.73	\$10.98	\$446.54	\$432.42	\$453.47
Kansas City .....	41.8	42.1	41.9	11.75	11.58	11.69	491.15	486.68	489.81
St. Louis .....	42.8	41.9	43.3	12.78	12.74	13.21	546.98	533.81	571.99
Springfield .....	42.6	40.3	41.3	9.04	9.44	9.44	385.10	380.43	389.87
<b>Montana</b> .....	39.7	39.7	40.8	11.58	11.60	11.55	459.73	460.52	471.24
<b>Nebraska</b> .....	40.5	40.5	41.0	9.81	9.90	9.82	389.21	400.95	402.82
Lincoln .....	39.8	39.7	38.8	10.69	11.10	10.94	425.46	440.67	424.47
Omaha .....	40.8	42.4	42.2	10.49	10.57	10.92	427.99	448.17	460.82
<b>Nevada</b> .....	41.3	41.2	42.4	10.64	10.96	11.21	439.43	451.55	475.30
Las Vegas .....	42.5	41.3	43.1	13.12	12.69	13.07	557.60	524.10	563.32
<b>New Hampshire</b> .....	42.0	40.8	42.6	10.74	10.92	10.90	451.08	445.54	464.34
Manchester .....	41.9	42.2	47.4	10.45	11.12	10.92	437.86	469.26	517.61
Nashua .....	41.5	41.0	42.5	13.44	13.97	13.68	557.76	572.77	581.40
Portsmouth-Dover-Rochester .....	41.2	42.5	64.9	10.01	10.13	6.45	412.41	430.53	418.61
<b>New Jersey</b> .....	41.5	41.1	41.4	11.47	11.84	11.90	476.01	486.82	492.66
<b>New Mexico</b> .....	39.7	39.5	40.7	8.99	9.15	9.31	356.90	361.43	378.92
Albuquerque .....	39.4	41.2	40.7	8.91	9.34	9.57	351.05	384.81	389.50
<b>New York</b> .....	40.4	40.1	40.4	10.66	11.23	11.26	438.74	450.32	454.90
Albany-Schenectady-Troy .....	42.3	42.1	42.1	11.68	12.05	12.05	494.06	507.31	507.31
Binghamton .....	41.2	39.0	39.9	9.76	10.09	9.85	402.11	393.51	393.02
Buffalo .....	42.1	42.9	42.9	12.93	13.37	13.18	544.35	573.57	565.42
Elmira .....	41.0	41.0	41.9	9.53	10.17	10.17	390.73	416.97	426.12
Glens Falls .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Nassau-Suffolk .....	40.7	39.9	41.2	11.61	11.85	11.95	472.53	472.82	492.34
New York PMSA .....	37.6	37.3	38.0	10.19	10.31	10.42	383.14	384.56	395.96
New York City .....	37.3	37.0	37.8	9.98	10.23	10.35	372.25	378.51	391.23
Niagara Falls .....	41.8	41.2	41.3	13.82	14.33	14.53	577.66	590.40	600.09
Orange County .....	39.2	41.0	40.3	9.48	9.55	9.93	371.62	391.55	400.18
Poughkeepsie .....	40.9	40.0	40.1	11.13	10.91	10.95	455.22	436.40	439.10
Rochester .....	42.5	42.1	42.6	12.39	12.71	12.93	526.58	535.09	550.82
Rockland County .....	36.4	40.9	41.9	8.92	9.34	9.30	324.69	382.01	389.67
Syracuse .....	40.9	40.4	39.4	11.72	12.24	12.19	479.35	494.50	480.29
Utica-Rome .....	42.0	40.3	40.4	10.29	10.51	10.62	432.18	423.55	429.05
Westchester County .....	40.6	38.2	38.9	12.16	11.42	11.54	493.70	436.24	448.91
<b>North Carolina</b> .....	40.3	40.0	40.1	8.57	8.94	8.97	345.37	357.60	359.70
Asheville .....	41.2	41.5	41.8	8.62	8.90	8.92	355.14	369.35	372.66
Charlotte-Gastonia-Rock Hill .....	41.1	40.3	39.7	9.14	9.49	9.51	375.65	382.45	377.55
Greensboro-Winston-Salem-High Point .....	39.4	38.6	39.3	9.28	9.57	9.68	365.63	369.40	360.42
Raleigh-Durham .....	41.7	42.3	43.0	9.65	10.18	10.20	402.41	430.61	438.60
<b>North Dakota</b> .....	41.3	39.8	39.9	8.93	8.81	8.78	368.81	350.64	350.32
Fargo-Moorhead .....	42.9	37.8	38.0	9.02	8.70	8.80	386.96	326.86	334.40
<b>Ohio</b> .....	42.6	42.7	42.4	12.38	12.83	12.64	527.39	547.84	544.42
Akron .....	43.1	43.2	43.0	11.71	12.00	12.11	504.70	518.40	520.73
Canton .....	41.7	42.3	41.3	11.22	11.45	11.33	467.87	484.34	487.93
Cincinnati .....	42.8	43.2	43.4	11.64	12.21	12.29	498.19	527.47	533.39
Cleveland .....	43.0	42.6	42.7	11.90	12.18	12.12	511.70	518.87	517.52
Columbus .....	42.7	42.9	42.7	12.31	12.62	12.67	525.64	541.40	541.01
Dayton-Springfield .....	42.1	41.7	41.6	13.10	13.54	13.66	551.51	564.62	568.26
Toledo .....	43.0	43.4	43.1	13.14	13.64	13.65	565.02	591.98	568.32
Youngstown-Warren .....	42.2	43.3	41.9	14.14	15.24	15.24	596.71	659.89	638.58
<b>Oklahoma</b> .....	43.0	41.0	37.9	10.37	10.76	10.72	445.91	441.18	406.29
Oklahoma City .....	45.1	47.5	44.1	11.16	14.21	11.34	503.32	674.98	500.09
Tulsa .....	41.7	42.4	43.7	10.21	11.62	11.70	425.76	492.69	511.29
<b>Oregon</b> .....	40.0	39.2	40.0	11.02	11.25	11.33	440.80	441.00	453.20
Eugene-Springfield .....	39.8	37.8	36.8	10.97	10.90	11.10	436.61	412.02	406.48
Portland .....	39.9	39.5	40.2	11.10	11.45	11.59	442.89	452.28	465.92
Salem .....	38.0	36.8	38.1	9.99	9.89	9.90	379.62	361.97	377.19

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Pennsylvania</b> .....	40.8	41.2	41.0	\$10.84	\$11.20	\$11.25	\$442.27	\$461.44	\$461.25
Allentown-Bethlehem .....	39.6	40.1	39.7	10.77	11.35	11.38	426.49	455.14	451.79
Altoona .....	39.8	38.2	39.6	9.41	9.54	9.45	374.52	364.43	374.22
Beaver County .....	41.8	42.1	42.2	10.91	11.27	11.34	456.04	474.47	478.55
Erie .....	43.5	44.2	43.2	11.32	11.87	11.83	492.42	524.65	511.06
Harrisburg-Lebanon-Carlisle .....	41.8	41.2	41.0	11.17	11.28	11.28	466.91	464.74	462.48
Johnstown .....	37.5	38.5	37.3	8.32	8.60	8.61	312.00	331.10	321.15
Lancaster .....	40.7	39.7	39.5	10.87	11.10	11.28	442.41	440.67	445.56
Philadelphia PMSA .....	40.9	41.3	41.8	11.92	12.16	12.29	487.53	502.21	513.72
Pittsburgh .....	41.5	42.7	41.9	11.07	11.50	11.46	459.41	491.05	480.17
Reading .....	41.1	41.1	41.3	11.17	11.68	11.60	459.09	460.05	479.08
Scranton-Wilkes-Barre .....	38.8	39.5	39.5	9.49	9.81	9.83	368.21	387.50	388.29
Sharon .....	42.5	44.1	42.3	11.92	12.22	12.21	506.60	538.90	516.48
State College .....	40.2	38.7	38.3	9.53	10.05	9.85	383.11	388.94	377.26
Williamsport .....	39.9	41.1	39.7	9.57	9.37	9.33	381.84	385.11	370.40
York .....	42.6	42.1	42.5	10.40	10.82	10.95	443.04	455.52	465.38
<b>Rhode Island</b> .....	39.6	39.4	40.1	9.26	9.64	9.57	366.70	379.82	383.76
Pawtucket-Woonsocket-Attleboro .....	39.3	37.9	39.2	8.62	9.22	9.10	338.77	349.44	356.72
Providence .....	39.5	39.6	39.9	8.77	9.62	9.66	346.42	360.95	385.43
<b>South Carolina</b> .....	41.6	40.8	41.0	8.64	8.99	9.02	359.42	366.79	369.82
Charleston .....	40.4	40.0	40.0	9.46	9.50	9.48	382.18	380.00	379.20
Columbia .....	41.8	41.9	41.7	8.86	9.10	9.14	370.35	381.29	381.14
Greenville-Spartanburg .....	41.7	41.6	41.7	8.48	8.88	8.90	353.62	369.41	371.13
<b>South Dakota</b> .....	41.1	41.5	41.5	8.37	8.56	8.68	344.01	355.24	360.22
Sioux Falls .....	46.1	45.5	45.2	8.30	9.03	9.06	382.63	410.87	409.51
<b>Tennessee</b> .....	39.8	39.9	40.4	9.29	9.76	9.74	369.74	389.42	393.50
Chattanooga .....	39.0	41.0	42.1	8.57	8.82	8.98	334.23	361.62	378.06
Johnson City-Kingsport-Bristol .....	41.4	39.7	40.3	9.81	10.19	10.56	406.13	404.54	425.57
Knoxville .....	38.4	38.9	39.2	9.50	9.59	9.74	345.80	373.05	381.81
Memphis .....	41.1	41.3	42.0	9.78	9.95	10.16	401.96	410.94	426.72
Nashville .....	40.9	42.4	42.4	10.81	11.24	11.32	442.13	476.58	479.97
<b>Texas</b> .....	42.2	42.2	42.6	10.41	10.60	10.70	439.30	447.32	455.82
Dallas .....	43.3	41.5	42.9	10.64	10.43	10.56	460.71	432.85	453.02
Ft. Worth-Arlington .....	41.6	40.3	41.1	11.09	11.36	11.50	461.34	457.81	472.65
Houston .....	44.6	44.9	45.2	11.90	12.28	12.33	530.74	551.37	557.32
San Antonio .....	41.7	40.0	40.4	7.46	7.91	7.95	311.08	316.40	321.18
<b>Utah</b> .....	40.7	40.3	40.4	10.21	10.52	10.70	415.55	423.96	432.28
Salt Lake City-Ogden .....	41.2	40.5	41.3	10.08	10.64	10.73	415.30	430.92	443.15
<b>Vermont</b> .....	42.1	40.6	42.3	10.11	10.82	10.87	425.63	439.29	459.80
Burlington .....	41.7	40.8	41.5	10.39	11.45	11.25	433.26	467.16	466.88
<b>Virginia</b> .....	40.1	40.7	40.9	9.98	10.28	10.32	400.20	418.40	422.09
Bristol .....	40.0	40.1	42.3	8.05	8.86	8.85	322.00	347.27	374.36
Charlottesville .....	41.1	42.3	42.9	8.60	8.90	8.89	353.46	376.47	381.38
Danville .....	42.5	41.1	42.0	9.50	9.84	9.88	403.75	404.42	414.96
Lynchburg .....	39.3	40.5	39.9	9.59	9.99	9.74	376.89	404.60	388.63
Northern Virginia .....	39.5	39.5	39.0	10.94	11.52	11.56	432.13	455.04	450.84
Richmond-Petersburg .....	41.4	44.6	43.8	13.14	13.80	13.86	544.00	615.46	607.07
Roanoke .....	40.9	41.8	41.4	11.73	12.25	12.08	479.76	512.05	500.11
<b>Washington</b> .....	40.3	39.7	40.4	12.42	13.00	13.08	500.53	516.10	528.43
<b>West Virginia</b> .....	41.3	41.1	42.0	11.25	11.62	11.70	464.63	477.58	491.40
Charleston .....	44.8	44.2	44.1	13.22	13.50	13.29	592.26	596.70	586.09
Huntington-Ashland .....	41.4	42.7	41.5	12.95	13.86	13.42	536.13	591.82	556.93
Parkersburg-Marietta .....	43.3	41.3	42.0	12.99	13.75	13.60	562.47	567.88	571.20
Wheeling .....	41.2	42.4	42.6	13.34	13.15	13.49	549.61	557.56	574.87

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
Wisconsin .....	42.0	40.9	42.5	\$10.96	\$11.20	\$11.53	\$460.32	\$458.06	\$490.03
Appleton-Oshkosh .....	43.4	42.6	44.5	11.94	12.34	12.40	516.20	525.68	551.80
Eau Claire .....	44.5	42.9	42.7	11.21	11.45	11.49	496.85	491.21	490.62
Green Bay .....	41.9	41.8	44.0	11.78	12.12	12.38	493.58	504.19	544.72
Janesville-Beloit .....	40.7	35.6	36.3	12.51	12.35	12.67	509.16	442.13	459.92
Kenosha .....	41.4	40.2	43.0	11.57	11.13	12.54	479.00	447.43	539.22
La Crosse .....	39.1	42.0	42.7	9.74	9.86	9.75	380.83	414.12	416.33
Madison .....	41.0	40.5	41.1	10.22	10.47	10.70	419.02	424.04	439.77
Milwaukee .....	42.6	41.0	42.4	11.77	11.67	11.96	501.40	486.67	507.10
Racine .....	41.1	39.6	41.4	11.33	11.69	11.96	465.66	470.84	495.97
Sheboygan .....	43.8	41.6	43.3	10.75	11.10	11.11	470.85	461.76	481.06
Wausau .....	43.7	42.8	43.4	10.56	10.91	11.16	481.47	466.95	484.34
Wyoming .....	40.5	42.4	41.1	10.34	10.44	10.79	418.77	442.66	443.47
Puerto Rico .....	39.6	39.9	( <sup>1</sup> )	5.87	6.17	( <sup>1</sup> )	233.63	248.18	( <sup>1</sup> )
Virgin Islands .....	44.5	45.4	42.4	11.72	11.98	12.32	521.54	543.89	522.37

<sup>1</sup> Not available.

<sup>P</sup> = preliminary.

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

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

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	Nov. 1990 <sup>r</sup>	Dec. 1990 <sup>r</sup>	Jan. 1991 <sup>p</sup>	Jan. 1990 to Jan. 1991 <sup>p</sup>	Nov. 1990 to Dec. 1990 <sup>r</sup>	Dec. 1990 to Jan. 1991 <sup>p</sup>
Total .....	203,483	204,229	201,328	-0.7	0.4	-1.4
Private sector .....	166,595	167,409	164,554	-1.2	.5	-1.7
Mining .....	1,719	1,732	1,678	2.4	.7	-3.1
Construction .....	10,121	10,110	9,261	-12.9	-.1	-8.4
Manufacturing .....	39,588	39,661	39,178	-3.7	.2	-1.2
Durable goods .....	23,148	23,189	22,839	-4.8	.2	-1.5
Nondurable goods .....	16,440	16,472	16,340	-2.0	.2	-.8
Transportation and public utilities .....	11,805	11,896	11,814	2.5	.8	-.7
Wholesale trade .....	12,534	12,603	12,444	-.9	.6	-1.3
Retail trade .....	29,458	29,375	29,296	-1.2	-.3	-.3
Finance, insurance, and real estate .....	12,649	12,859	12,631	.4	1.7	-1.8
Services .....	48,720	49,174	48,252	2.0	.9	-1.9
Government .....	36,888	36,820	36,774	1.7	-.2	-.1

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

<sup>p</sup> = preliminary.

<sup>r</sup> = 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 <sup>p</sup>	1988			1989				1990			
			II	III	IV	I	II	III	IV	I	II	III <sup>r</sup>	IV <sup>p</sup>
<b>Business sector</b>													
Output per hour of all persons .....	112.6	111.9	112.9	113.6	113.1	113.0	113.0	112.6	111.9	111.7	111.9	112.1	112.0
Output .....	135.8	136.1	132.6	133.8	134.5	135.6	135.9	136.1	135.5	136.0	136.4	136.5	135.7
Hours .....	120.5	121.6	117.5	117.8	118.8	120.0	120.2	120.9	121.0	121.7	121.9	121.8	121.1
Compensation per hour .....	132.9	137.7	127.9	129.7	130.8	131.8	132.7	133.1	133.8	135.3	137.0	136.6	139.8
Real compensation per hour .....	103.4	101.7	104.9	105.1	104.9	104.3	103.5	103.1	102.6	101.7	102.1	101.7	100.9
Unit labor costs .....	117.9	123.0	113.3	114.2	115.6	116.7	117.4	118.2	119.5	121.1	122.5	123.6	124.8
Unit nonlabor payments .....	133.1	136.9	126.4	126.8	130.2	130.9	133.3	133.9	134.5	135.5	137.0	137.8	137.3
Implicit price deflator .....	122.8	127.5	117.5	118.9	120.3	121.2	122.5	123.3	124.3	125.8	127.2	128.2	128.8
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	111.7	110.8	112.0	112.8	112.9	112.1	112.0	111.7	111.0	110.7	110.7	110.9	110.9
Output .....	136.7	137.0	133.4	134.8	136.0	136.4	136.8	137.1	136.3	136.8	137.2	137.4	136.4
Hours .....	122.3	123.6	119.1	119.5	120.5	121.7	122.2	122.7	122.8	123.7	123.9	123.9	123.0
Compensation per hour .....	131.9	136.5	127.1	128.8	130.0	131.0	131.6	132.1	132.9	134.2	135.8	137.4	138.7
Real compensation per hour .....	102.7	100.8	104.3	104.4	104.2	103.7	102.6	102.3	101.9	100.9	101.2	100.8	100.1
Unit labor costs .....	118.1	123.2	113.5	114.2	115.2	116.9	117.5	118.3	119.7	121.3	122.7	123.9	125.0
Unit nonlabor payments .....	133.8	137.4	127.2	128.8	132.1	131.0	134.0	134.8	135.4	135.7	137.5	138.3	138.3
Implicit price deflator .....	123.0	127.7	117.8	118.8	120.5	121.4	122.7	123.5	124.7	125.6	127.3	128.4	129.2
<b>Manufacturing<sup>1</sup></b>													
Output per hour of all persons .....	138.0	142.1	132.8	135.2	136.0	137.0	138.3	137.9	138.8	140.5	141.5	143.4	142.5
Output .....	151.5	152.7	144.9	148.0	150.0	151.2	152.1	151.5	151.0	151.7	153.3	154.7	151.2
Hours .....	109.8	107.5	109.1	109.5	110.3	110.4	110.0	109.9	108.8	108.0	108.3	107.9	106.1
Compensation per hour .....	127.7	131.9	122.1	123.6	125.0	126.7	127.1	128.2	128.9	129.7	131.2	132.5	133.7
Real compensation per hour .....	99.4	97.4	100.2	100.1	100.3	100.2	99.1	99.3	98.9	97.5	97.8	97.2	96.5
Unit labor costs .....	92.6	92.8	91.9	91.4	91.9	92.5	91.9	92.9	92.9	92.3	92.7	92.4	93.8
<b>Durable goods<sup>1</sup></b>													
Output per hour of all persons .....	151.4	156.9	144.6	147.3	148.8	149.5	152.0	152.0	152.0	153.8	156.2	159.1	157.7
Output .....	167.5	168.6	159.4	163.4	166.6	167.5	168.6	167.9	166.2	166.8	169.8	171.6	166.2
Hours .....	110.7	107.5	110.2	111.0	112.0	112.0	110.9	110.5	109.3	108.5	108.7	107.9	105.3
Compensation per hour .....	126.4	130.3	120.5	121.7	123.4	125.3	125.7	127.0	127.6	128.1	129.5	131.0	132.1
Real compensation per hour .....	98.4	96.2	98.8	98.6	99.0	99.2	98.0	98.4	97.9	96.3	96.5	96.1	95.3
Unit labor costs .....	83.5	83.1	83.3	82.6	83.0	83.8	82.7	83.6	84.0	83.3	82.9	82.3	83.7
<b>Nondurable goods<sup>1</sup></b>													
Output per hour of all persons .....	119.8	122.4	116.9	118.7	118.6	119.8	119.6	119.0	121.1	122.6	121.8	122.5	122.5
Output .....	130.0	131.6	125.7	127.4	128.0	129.5	130.1	129.7	130.9	131.6	131.4	132.1	131.3
Hours .....	108.5	107.5	107.5	107.4	107.9	108.1	108.7	109.0	108.1	107.4	107.9	107.9	107.2
Compensation per hour .....	129.6	134.5	124.6	126.3	127.4	128.5	129.1	130.0	131.1	132.2	134.0	135.1	136.6
Real compensation per hour .....	100.9	99.3	102.2	102.4	102.2	101.7	100.7	100.6	100.5	99.4	99.9	99.1	98.6
Unit labor costs .....	108.2	109.9	106.6	106.4	107.4	107.3	107.9	109.2	108.3	107.9	109.9	110.3	111.5
<b>Nonfinancial corporations</b>													
Output per all-employee hour .....	111.6	( <sup>2</sup> )	113.6	113.4	113.0	111.9	111.6	111.8	110.5	110.1	110.6	110.3	( <sup>2</sup> )
Output .....	136.4	( <sup>2</sup> )	134.6	135.4	138.3	136.2	136.4	137.1	135.9	136.0	136.9	136.6	( <sup>2</sup> )
Hours .....	122.2	( <sup>2</sup> )	118.5	119.4	120.6	121.7	122.2	122.7	123.0	123.5	123.8	123.9	( <sup>2</sup> )
Compensation per hour .....	129.3	( <sup>2</sup> )	124.4	125.9	126.9	128.3	128.8	129.3	130.0	130.9	133.0	134.4	( <sup>2</sup> )
Real compensation per hour .....	100.6	( <sup>2</sup> )	102.1	102.1	101.7	101.5	100.5	100.2	99.7	98.4	99.1	98.6	( <sup>2</sup> )
Total unit costs .....	114.7	( <sup>2</sup> )	108.2	109.7	110.9	112.7	114.1	115.0	117.0	118.1	119.1	120.9	( <sup>2</sup> )
Unit labor costs .....	115.8	( <sup>2</sup> )	109.6	111.1	112.3	114.6	115.4	115.7	117.6	118.9	120.2	121.9	( <sup>2</sup> )
Unit nonlabor costs .....	111.8	( <sup>2</sup> )	104.6	106.0	107.3	108.0	110.6	113.3	115.2	116.2	116.2	118.6	( <sup>2</sup> )
Unit profits .....	157.9	( <sup>2</sup> )	178.1	171.4	179.1	162.3	162.9	159.3	147.2	147.6	153.9	143.1	( <sup>2</sup> )
Implicit price deflator .....	117.4	( <sup>2</sup> )	112.6	113.5	115.2	115.9	117.1	117.8	118.9	120.0	121.3	122.3	( <sup>2</sup> )

<sup>1</sup> Manufacturing output, output per hour and unit labor cost measures have been revised.  
<sup>2</sup> Not available.

<sup>p</sup> =preliminary.  
<sup>r</sup> =revised.

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

PRODUCTIVITY DATA  
SEASONALLY ADJUSTED

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	III 1989	IV 1989	I 1990	II 1990	III 1990 <sup>p</sup>	IV 1990 <sup>p</sup>	III 1989	IV 1989	I 1990	II 1990	III 1990 <sup>p</sup>	IV 1990 <sup>p</sup>
<b>Business sector</b>												
Output per hour of all persons .....	-1.6	-2.3	-0.9	0.6	0.9	-0.5	-0.9	-1.1	-1.2	-1.0	-0.4	0.1
Output .....	.6	-1.8	1.4	1.2	.5	-2.5	1.7	.8	.3	.3	.3	.1
Hours .....	2.2	.4	2.3	.5	-4	-2.1	2.7	1.9	1.4	1.4	.7	.1
Compensation per hour .....	1.1	2.2	4.5	5.4	4.6	3.4	2.6	2.3	2.6	3.3	4.2	4.5
Real compensation per hour .....	-1.7	-1.8	-3.3	1.6	-1.9	-3.1	-2.0	-2.2	-2.5	-1.3	-1.4	-1.7
Unit labor costs .....	2.8	4.6	5.4	4.7	3.7	3.9	3.5	3.4	3.8	4.4	4.6	4.4
Unit nonlabor payments .....	1.8	1.7	3.1	4.5	2.4	-1.5	4.0	3.2	3.6	2.8	2.9	2.1
Implicit price deflator .....	2.5	3.5	4.6	4.6	3.2	2.0	3.7	3.4	3.7	3.8	4.0	3.6
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	-1.0	-2.5	-1.3	.3	.6	.1	-1.0	-1.6	-1.3	-1.1	-.7	-.1
Output .....	.6	-2.1	1.4	1.2	.4	-2.7	1.7	.3	.3	.3	.2	.1
Hours .....	1.6	.5	2.8	.9	-2	-2.7	2.7	1.9	1.6	1.4	1.0	.2
Compensation per hour .....	1.6	2.3	3.9	5.0	4.7	3.8	2.6	2.2	2.4	3.2	4.0	4.3
Real compensation per hour .....	-1.2	-1.6	-3.8	1.2	-1.8	-2.7	-2.0	-2.2	-2.7	-1.4	-1.5	-1.8
Unit labor costs .....	2.6	5.0	5.3	4.7	4.1	3.7	3.6	3.9	3.7	4.4	4.8	4.4
Unit nonlabor payments .....	2.6	1.7	1.0	5.2	2.6	.0	4.7	2.5	3.6	2.6	2.6	2.2
Implicit price deflator .....	2.6	3.9	3.8	4.8	3.6	2.4	3.9	3.4	3.7	3.8	4.0	3.7
<b>Manufacturing<sup>1</sup></b>												
Output per hour of all persons .....	-1.0	2.5	4.9	3.1	5.4	-2.4	2.0	2.0	2.6	2.4	4.0	2.7
Output .....	-1.4	-1.3	1.8	4.3	3.5	-8.6	2.4	.7	.4	.8	2.1	.1
Hours .....	-4	-3.7	-2.9	1.2	-1.7	-6.4	.4	-1.3	-2.1	-1.5	-1.8	-2.5
Compensation per hour .....	3.6	2.4	2.3	4.7	4.0	3.7	3.7	3.1	2.4	3.2	3.3	3.7
Real compensation per hour .....	.7	-1.6	-5.4	1.0	-2.5	-2.7	-9	-1.4	-2.7	-1.3	-2.1	-2.4
Unit labor costs .....	4.6	-.1	-2.5	1.6	-1.3	6.3	1.7	1.1	-.2	.9	-.6	1.0
<b>Durable goods<sup>1</sup></b>												
Output per hour of all persons .....	-.2	.0	4.8	6.8	7.5	-3.3	3.2	2.1	2.8	2.7	4.7	3.8
Output .....	-1.7	-4.1	1.6	7.3	4.3	-12.1	2.7	-.2	-.4	.7	2.2	.0
Hours .....	-1.5	-4.1	-3.1	.7	-3.0	-9.1	-.4	-2.3	-3.1	-2.0	-2.4	-3.7
Compensation per hour .....	4.3	1.8	1.5	4.4	4.6	3.6	4.4	3.4	2.2	3.0	3.1	3.5
Real compensation per hour .....	1.4	-2.1	-8.1	.7	-1.9	-2.9	-.3	-1.1	-2.9	-1.6	-2.4	-2.6
Unit labor costs .....	4.5	1.8	-3.1	-2.0	-2.7	7.1	1.1	1.2	-.6	.3	-1.5	-.3
<b>Nondurable goods<sup>1</sup></b>												
Output per hour of all persons .....	-2.1	7.1	5.2	-2.4	2.2	-.1	.3	2.1	2.3	1.9	2.9	1.2
Output .....	-1.0	3.7	2.3	-.6	2.1	-2.4	1.8	2.3	1.7	1.1	1.9	.3
Hours .....	1.1	-3.2	-2.7	1.8	.0	-2.4	1.5	.2	-.7	-.8	-1.1	-.8
Compensation per hour .....	2.6	3.4	3.6	5.4	3.3	4.7	2.9	2.9	2.9	3.7	3.9	4.2
Real compensation per hour .....	-.3	-.6	-4.1	1.6	-3.1	-1.8	-1.7	-1.6	-2.2	-.9	-1.6	-1.9
Unit labor costs .....	4.8	-3.4	-1.5	8.0	1.1	4.7	2.6	.8	.5	1.9	1.0	3.0
<b>Nonfinancial corporations</b>												
Output per all-employee hour .....	.6	-4.6	-1.5	1.9	-1.0	( <sup>2</sup> )	-1.4	-2.2	-1.7	-1.0	-1.3	( <sup>2</sup> )
Output .....	2.1	-3.6	.2	2.8	-.8	( <sup>2</sup> )	1.3	-.3	-.2	.4	-.4	( <sup>2</sup> )
Hours .....	1.5	1.1	1.8	.9	.2	( <sup>2</sup> )	2.7	2.0	1.5	1.3	1.0	( <sup>2</sup> )
Compensation per hour .....	1.6	1.9	2.8	6.6	4.4	( <sup>2</sup> )	2.7	2.5	2.0	3.2	3.9	( <sup>2</sup> )
Real compensation per hour .....	-1.2	-2.0	-4.9	2.8	-2.1	( <sup>2</sup> )	-1.9	-2.0	-3.0	-1.4	-1.6	( <sup>2</sup> )
Total unit costs .....	3.5	6.9	4.1	3.4	6.3	( <sup>2</sup> )	4.9	5.5	4.8	4.4	5.1	( <sup>2</sup> )
Unit labor costs .....	1.0	6.9	4.4	4.6	5.5	( <sup>2</sup> )	4.1	4.8	3.8	4.2	5.3	( <sup>2</sup> )
Unit nonlabor costs .....	10.2	6.9	3.3	.2	8.3	( <sup>2</sup> )	6.9	7.4	7.6	5.1	4.6	( <sup>2</sup> )
Unit profits .....	-8.5	-27.1	1.2	18.2	-25.3	( <sup>2</sup> )	-7.0	-17.8	-9.0	-5.5	-10.2	( <sup>2</sup> )
Implicit price deflator .....	2.4	3.6	3.9	4.5	3.4	( <sup>2</sup> )	3.8	3.2	3.6	3.6	3.8	( <sup>2</sup> )

<sup>1</sup> Manufacturing output, output per hour and unit labor cost measures have been revised.

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.  
<sup>r</sup> = revised.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>Alabama</b> .....	1,902.7	1,924.5	1,927.9	123.6	129.5	124.5	6.5	6.7	6.5
Birmingham .....	443.7	447.1	449.9	23.3	23.1	22.6	5.3	5.2	5.0
Huntsville .....	133.6	135.3	135.4	6.2	6.3	6.0	4.6	4.7	4.4
Mobile .....	209.4	213.7	214.4	14.9	14.5	13.6	7.1	6.8	6.3
Montgomery .....	138.7	141.5	142.2	7.7	8.4	7.9	5.5	6.0	5.5
Tuscaloosa .....	73.0	74.2	74.4	3.5	3.4	3.3	4.8	4.6	4.4
<b>Alaska</b> .....	252.1	254.1	254.4	17.7	16.9	18.9	7.0	6.7	7.4
<b>Arizona</b> .....	1,697.7	1,727.5	1,736.0	68.1	91.9	93.2	4.0	5.3	5.4
Phoenix .....	1,053.5	1,068.8	1,073.2	35.5	46.0	47.4	3.4	4.3	4.4
Tucson .....	310.9	312.7	312.4	10.3	13.4	12.8	3.3	4.3	4.1
<b>Arkansas</b> .....	1,136.1	1,145.9	1,123.1	75.0	75.5	79.6	6.6	6.6	7.1
Fayetteville-Springdale .....	64.4	65.6	64.1	2.3	2.2	2.3	3.6	3.3	3.5
Fort Smith .....	94.3	93.8	92.8	6.5	6.5	9.1	9.0	9.0	9.9
Little Rock-North Little Rock .....	273.9	272.5	270.2	14.6	14.4	15.5	5.3	5.3	5.7
Pine Bluff .....	37.2	37.2	36.8	2.3	3.2	3.2	6.1	6.7	6.8
<b>California<sup>1</sup></b> .....	14,524.0	14,663.0	14,580.2	694.7	951.7	958.4	4.8	6.5	6.6
Anaheim-Santa Ana .....	1,394.1	1,394.9	1,383.7	33.6	57.3	55.8	2.4	4.1	4.0
Bakersfield .....	227.3	232.4	229.8	22.6	29.8	26.2	9.9	12.8	12.3
Fresno .....	302.0	320.0	319.8	29.7	41.1	36.5	9.8	12.8	12.0
Los Angeles-Long Beach <sup>1</sup> .....	4,416.0	4,337.0	4,361.0	219.0	251.0	271.0	5.0	5.8	6.2
Modesto .....	154.8	163.1	161.4	18.1	22.8	22.5	10.4	14.0	14.0
Oakland .....	1,108.0	1,135.1	1,126.0	38.0	52.5	52.3	3.4	4.6	4.8
Oxnard-Ventura .....	363.2	372.1	367.7	17.7	28.2	25.3	4.9	7.6	8.9
Riverside-San Bernardino .....	1,022.9	1,069.6	1,059.2	50.5	90.7	85.4	4.9	8.5	8.1
Sacramento .....	721.0	741.0	733.7	30.1	43.2	45.2	4.2	5.8	6.2
San Diego .....	1,163.5	1,189.9	1,173.7	40.2	65.1	63.2	3.5	5.5	5.4
San Francisco .....	881.2	890.9	874.4	24.5	32.5	32.4	2.8	3.7	3.7
San Jose .....	822.2	815.8	807.4	26.7	39.3	38.4	3.2	4.8	4.8
Santa Barbara-Santa Maria-Lompoc .....	179.0	180.6	177.9	7.1	10.2	9.9	3.9	5.8	5.6
Santa Rosa-Petaluma .....	203.7	214.1	212.7	7.3	10.9	11.1	3.8	5.1	5.2
Stockton .....	189.3	198.9	194.5	17.8	25.6	24.9	9.4	12.9	12.8
Vallejo-Fairfield-Napa .....	190.9	198.9	195.9	6.5	13.2	13.0	4.4	8.6	8.6
<b>Colorado</b> .....	1,732.3	1,770.0	1,793.2	96.4	74.2	82.8	5.6	4.2	4.6
Boulder-Longmont .....	138.5	141.5	142.7	6.1	3.9	5.3	4.4	2.8	3.7
Denver .....	891.7	910.3	918.9	45.7	35.2	39.2	5.1	3.9	4.3
<b>Connecticut</b> .....	1,757.1	1,778.5	1,768.4	70.7	84.4	82.3	4.0	4.7	4.7
Bridgeport-Milford .....	226.8	226.4	228.4	11.2	13.0	13.0	4.9	5.7	5.7
Hartford .....	426.9	434.2	430.8	15.7	18.5	18.2	3.7	4.3	4.2
New Britain .....	73.5	75.2	74.2	3.6	4.3	4.2	4.9	5.7	5.7
New Haven-Meriden .....	275.6	278.5	274.5	10.7	13.1	12.4	3.9	4.7	4.5
Stamford .....	114.3	114.8	114.6	3.0	3.7	3.6	2.6	3.3	3.2
Waterbury .....	102.6	101.5	100.7	5.5	7.2	6.9	5.3	7.1	6.6
<b>Delaware</b> .....	363.3	362.7	365.6	9.3	22.7	21.9	2.6	6.2	6.0
Wilmington .....	318.9	315.4	316.6	9.2	20.0	18.9	2.9	6.3	6.0
<b>District of Columbia</b> .....	309.3	293.3	294.9	14.2	20.2	19.2	4.6	6.9	6.5
Washington .....	2,212.0	2,201.4	2,192.3	53.0	63.9	67.0	2.4	3.8	4.0
<b>Florida<sup>1</sup></b> .....	6,213.3	6,460.1	6,389.1	357.9	408.0	351.6	5.8	6.3	5.5
Daytona Beach .....	152.1	158.0	155.0	9.1	10.4	9.1	6.0	6.8	5.9
Fort Lauderdale-Hollywood-Pompano Beach .....	649.3	675.5	689.3	33.9	39.1	34.5	5.2	5.8	5.2
Fort Myers-Cape Coral .....	149.8	181.3	181.3	5.9	7.7	8.8	3.9	4.8	4.2
Gainesville .....	108.1	109.9	107.5	3.4	3.8	3.7	3.2	3.5	3.5
Jacksonville .....	449.2	466.5	460.1	27.0	27.2	24.8	8.0	5.8	5.4
Lakeland-Winter Haven .....	179.4	183.1	182.2	13.7	16.7	14.2	7.8	9.1	7.6
Melbourne-Titusville-Palm Bay .....	187.1	197.0	192.6	10.4	12.9	10.2	5.5	6.5	5.3
Miami-Hialeah .....	941.9	977.3	960.7	60.9	68.5	57.8	6.5	7.0	8.0
Orlando .....	608.4	633.1	629.2	32.3	37.1	32.7	5.3	5.9	5.2
Pensacola .....	146.0	150.0	146.4	9.8	11.1	8.6	6.7	7.4	5.9
Sarasota .....	122.9	128.7	128.1	5.5	5.3	4.5	4.4	4.1	3.5
Tallahassee .....	132.8	138.9	138.7	5.3	8.2	5.1	4.0	4.5	3.8
Tampa-St. Petersburg-Clearwater .....	996.4	1,022.8	1,014.8	52.9	55.0	49.9	5.3	5.4	4.9
West Palm Beach-Boca Raton-DeLray Beach .....	429.3	441.8	440.2	24.5	29.2	23.7	5.7	6.6	5.4

See footnotes at end of table.



STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Georgia</b> .....	3,237.1	3,248.0	3,240.8	162.0	189.9	203.1	5.0	5.8	6.3
Albany .....	52.5	53.4	53.7	3.2	3.4	3.7	6.2	6.4	6.9
Athens .....	78.0	78.7	78.6	3.1	3.8	4.1	4.0	4.8	5.3
Atlanta .....	1,538.1	1,547.2	1,542.9	69.5	83.2	88.8	4.5	5.4	5.8
Augusta .....	189.9	188.0	189.6	7.8	9.3	10.0	4.1	4.9	5.3
Columbus .....	99.1	98.8	97.8	5.4	6.8	6.2	5.4	6.9	6.4
Macon-Warner Robins .....	133.6	133.6	133.8	5.8	6.4	7.0	4.3	4.8	5.2
Savannah .....	114.7	115.5	115.8	5.1	5.4	6.6	4.4	4.7	5.7
<b>Hawaii</b> .....	528.9	546.5	544.1	12.6	14.8	12.5	2.4	2.7	2.3
Honolulu .....	389.8	400.8	398.8	8.3	10.1	8.4	2.1	2.5	2.1
<b>Idaho</b> .....	490.4	490.9	495.1	21.8	26.1	30.0	4.4	5.3	6.1
Boise City .....	116.6	115.3	118.6	3.9	3.7	5.0	3.4	3.2	4.2
<b>Illinois<sup>1</sup></b> .....	5,994.8	6,056.4	6,028.1	367.5	359.5	355.7	6.1	5.9	5.9
Aurora-Elgin .....	182.8	188.7	188.9	11.4	11.1	11.3	6.3	5.9	6.0
Bloomington-Normal .....	76.1	75.4	73.3	4.3	2.9	3.1	5.6	3.9	4.3
Champaign-Urbana-Rantoul .....	92.1	92.7	92.3	4.2	3.3	3.9	4.6	3.6	4.2
Chicago .....	3,290.3	3,335.6	3,317.4	180.5	190.9	184.5	5.5	5.7	5.6
Davenport-Rock Island-Moline .....	182.6	182.0	182.2	11.6	10.2	11.9	6.3	5.6	6.5
Decatur .....	60.1	60.9	60.2	4.2	4.2	3.8	6.9	6.9	6.3
Joliet .....	206.6	207.4	207.1	14.3	12.3	13.3	6.9	5.9	6.4
Kankakee .....	46.4	46.9	46.5	3.5	3.2	3.3	7.6	6.8	7.0
Lake County .....	288.5	305.8	301.8	13.1	13.3	12.5	4.4	4.4	4.1
Peoria .....	162.8	161.9	161.1	10.1	9.2	8.9	6.2	5.7	5.5
Rockford .....	154.2	156.1	154.8	9.4	9.8	9.3	6.1	6.3	6.0
Springfield .....	114.2	114.0	113.8	5.8	4.6	5.2	5.1	4.0	4.5
<b>Indiana</b> .....	2,842.2	2,809.8	2,817.5	153.7	143.4	141.6	5.4	5.1	5.0
Anderson .....	59.5	59.6	59.9	3.9	4.3	4.0	6.6	7.2	6.8
Bloomington .....	61.2	61.1	60.4	2.5	1.5	1.6	4.2	2.4	2.7
Elkhart-Goshen .....	97.3	95.6	95.0	5.3	6.8	6.0	5.5	7.1	6.3
Evansville .....	144.0	145.1	144.5	7.7	7.4	6.1	5.3	5.1	4.2
Fort Wayne .....	204.9	203.1	204.5	10.9	10.5	10.6	5.3	5.2	5.2
Gary-Hammond .....	259.9	253.9	256.6	14.6	12.0	12.9	5.6	4.7	5.0
Indianapolis .....	690.7	671.5	680.9	32.3	24.8	30.0	4.7	3.7	4.4
Kokomo .....	46.9	47.8	46.2	2.3	4.5	3.0	4.9	9.5	6.5
Lafayette-West Lafayette .....	70.7	70.8	71.0	2.6	1.5	1.5	3.6	2.2	2.1
Muncie .....	60.2	60.4	60.5	3.3	3.0	2.8	5.5	5.0	4.7
South Bend-Mishawaka .....	134.8	134.7	135.4	6.9	6.3	6.1	5.1	4.7	4.5
Terre Haute .....	60.9	59.2	59.4	3.1	2.4	2.2	5.1	4.0	3.8
<b>Iowa</b> .....	1,494.8	1,499.9	1,495.2	60.2	59.8	66.2	4.0	4.0	4.4
Cedar Rapids .....	98.4	97.4	97.3	3.3	4.6	4.8	3.3	4.8	4.9
Des Moines .....	238.1	233.5	234.6	7.5	6.8	7.4	3.1	2.9	3.2
Dubuque .....	44.8	44.3	44.2	2.4	2.3	2.5	5.3	5.2	5.7
Iowa City .....	63.2	63.5	63.6	.8	.9	1.0	1.3	1.4	1.6
Sioux City .....	60.6	59.8	59.7	2.0	2.1	2.5	3.3	3.5	4.2
Waterloo-Cedar Falls .....	73.0	74.7	75.0	3.3	3.4	3.8	4.5	4.6	5.1
<b>Kansas</b> .....	1,270.5	1,314.9	1,311.7	46.5	56.7	60.6	3.7	4.3	4.6
Lawrence .....	43.3	44.8	45.0	1.3	1.5	1.6	3.1	3.4	3.5
Topeka .....	90.9	92.5	92.0	3.1	4.5	4.7	3.4	4.9	5.1
Wichita .....	250.8	258.0	259.4	8.8	10.3	11.2	3.5	4.0	4.3
<b>Kentucky</b> .....	1,738.5	1,771.0	1,757.0	92.6	94.8	95.5	5.3	5.4	5.4
Lexington-Fayette .....	201.4	205.2	200.0	8.5	7.8	6.6	4.2	3.8	3.3
Louisville .....	518.6	522.3	523.1	25.4	24.1	25.3	4.9	4.6	4.8
Owensboro .....	45.4	45.7	45.1	2.5	1.9	1.9	5.6	4.2	4.1
<b>Louisiana</b> .....	1,879.1	1,889.7	1,889.1	120.8	116.4	122.6	6.4	6.2	6.5
Alexandria .....	58.4	57.3	57.1	3.8	3.6	3.7	6.5	6.2	6.5
Baton Rouge .....	269.5	269.2	268.3	14.6	14.6	15.2	5.4	5.4	5.7
Houma-Thibodaux .....	69.4	71.2	71.6	4.0	3.7	4.7	5.8	5.3	6.5
Lafayette .....	98.3	103.8	104.0	5.1	5.0	4.9	5.2	4.8	4.8
Lake Charles .....	75.3	77.1	76.4	4.8	5.6	5.4	6.3	7.3	7.0
Monroe .....	68.1	67.5	67.6	4.2	4.0	4.6	6.2	8.0	6.9
New Orleans .....	589.3	585.3	584.6	33.4	31.7	31.8	5.7	5.4	5.4
Shreveport .....	155.2	155.8	156.5	10.6	10.5	11.8	8.8	6.7	7.6
<b>Maine</b> .....	621.0	627.8	637.6	27.8	41.8	42.3	4.5	6.7	6.6
Lewiston-Auburn .....	43.4	42.8	43.2	2.4	3.9	3.9	5.6	9.1	8.9
Portland .....	133.0	131.8	134.4	3.6	5.9	6.0	2.7	4.5	4.5

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>a</sup>
<b>Maryland</b> .....	2,524.2	2,498.1	2,484.1	90.6	131.9	148.2	3.2	5.3	6.0
Baltimore .....	1,205.0	1,194.7	1,192.1	40.3	68.9	80.7	3.3	5.6	6.8
<b>Massachusetts</b> <sup>1</sup> .....	3,138.9	3,107.8	3,114.6	130.7	204.6	218.0	4.2	6.6	7.0
Boston .....	1,548.1	1,528.8	1,527.8	53.8	84.4	89.3	3.5	5.5	5.8
Brockton .....	100.4	100.3	100.4	5.0	7.9	8.5	4.9	7.9	8.4
Fall River .....	79.1	78.6	78.7	5.4	7.6	8.3	6.9	9.7	10.6
Fitchburg-Leominster .....	48.9	48.0	45.5	2.6	4.3	4.4	5.5	9.3	9.6
Lawrence-Haverhill .....	168.6	191.5	193.0	10.3	18.4	15.8	5.5	8.6	8.2
Lowell .....	150.5	148.1	150.0	7.3	10.5	10.9	4.9	7.1	7.3
New Bedford .....	88.5	85.2	85.4	5.6	8.5	9.3	6.5	10.0	10.9
Pittsfield .....	40.0	40.5	41.0	1.8	3.1	3.4	4.5	7.7	8.2
Springfield .....	254.3	251.9	253.8	10.2	18.2	17.9	4.0	6.4	7.0
Worcester .....	221.0	221.6	222.2	9.2	15.1	15.7	4.2	6.8	7.1
<b>Michigan</b> <sup>1</sup> .....	4,646.6	4,544.7	4,564.8	332.9	326.3	327.4	7.2	7.2	7.2
Ann Arbor .....	184.8	184.4	186.2	7.2	6.3	6.2	4.3	3.8	3.7
Battle Creek .....	88.8	85.6	85.3	5.3	3.9	4.3	8.0	5.9	6.5
Benton Harbor .....	78.7	77.3	78.7	6.0	5.0	5.0	7.6	6.4	6.6
Detroit .....	2,218.6	2,135.2	2,155.9	154.0	150.6	153.2	6.9	7.1	7.1
Flint .....	183.4	182.0	179.7	16.0	22.3	15.1	8.7	12.3	8.4
Grand Rapids .....	378.4	373.4	373.1	22.2	21.2	22.0	5.9	5.7	5.9
Jackson .....	88.6	84.9	84.9	4.7	4.8	5.1	7.1	7.4	7.8
Kalamazoo .....	121.5	118.9	119.1	6.2	5.1	5.5	5.1	4.3	4.6
Lansing-East Lansing .....	245.9	239.9	238.8	14.1	11.4	14.8	5.7	4.8	6.1
Muskegon .....	68.5	87.3	66.5	6.2	6.1	5.9	9.0	9.1	8.8
Saginaw-Bay City-Midland .....	187.7	187.5	186.7	13.3	13.8	12.0	7.1	7.4	6.4
<b>Minnesota</b> .....	2,356.9	2,445.7	2,424.5	85.9	91.9	119.7	3.6	3.8	4.9
Duluth .....	109.4	112.3	111.2	4.6	5.0	6.5	4.2	4.4	5.8
Minneapolis-St. Paul .....	1,412.9	1,448.5	1,434.1	42.3	47.4	58.7	3.0	3.3	4.1
Rochester .....	63.3	65.5	64.5	1.6	1.8	2.1	2.5	2.8	3.2
St. Cloud .....	98.9	107.0	105.4	5.2	4.4	6.3	5.2	4.1	6.0
<b>Mississippi</b> .....	1,178.6	1,175.1	1,191.7	80.7	87.2	95.7	6.9	7.4	8.0
Jackson .....	208.4	206.5	210.0	9.1	10.8	11.3	4.4	5.2	5.4
<b>Missouri</b> <sup>1</sup> .....	2,582.3	2,641.6	2,647.1	144.9	158.0	180.4	5.6	6.0	6.1
Kansas City .....	649.3	865.2	867.1	42.0	42.8	41.8	4.9	4.9	4.8
St. Louis LMA .....	1,262.1	1,267.2	1,273.2	68.8	79.0	78.1	5.5	6.2	8.0
Springfield .....	126.1	128.6	129.1	6.1	6.2	6.2	4.8	4.8	4.8
<b>Montana</b> .....	402.3	392.7	394.8	21.2	26.6	28.8	5.3	6.8	6.8
<b>Nebraska</b> .....	814.3	838.8	837.2	21.5	13.4	16.6	2.6	1.6	2.0
Lincoln .....	127.6	130.1	129.4	2.5	1.3	2.2	2.0	1.0	1.7
Omaha .....	335.0	335.7	336.6	9.3	7.5	7.6	2.8	2.2	2.3
<b>Nevada</b> .....	613.8	641.3	841.1	26.9	34.5	37.1	4.4	5.4	5.8
Las Vegas .....	371.1	395.1	393.9	15.6	21.7	22.8	4.2	5.5	5.8
Reno .....	137.6	139.5	139.6	6.2	7.1	8.0	4.5	5.1	5.7
<b>New Hampshire</b> .....	623.3	627.3	637.8	25.3	42.7	40.3	4.1	6.8	6.3
Manchester .....	87.3	88.5	89.5	3.4	6.0	5.4	3.8	6.8	6.1
Nashua .....	99.0	99.2	100.5	3.9	7.2	6.0	3.9	7.2	6.0
Portsmouth-Dover-Rochester .....	135.5	133.3	135.1	4.8	7.5	7.1	3.5	5.6	5.3
<b>New Jersey</b> <sup>1</sup> .....	3,997.6	4,052.3	4,033.9	138.2	209.1	227.4	3.5	5.2	5.6
Atlantic City .....	171.0	181.7	178.2	9.2	14.8	15.4	5.4	8.0	8.7
Bergen-Passaic .....	712.2	715.7	713.1	23.0	31.9	35.9	3.2	4.5	5.0
Jersey City .....	274.0	276.3	275.5	15.3	19.9	22.4	5.6	7.2	8.1
Middlesex-Somerset-Hunterdon .....	574.0	576.7	575.0	13.3	22.5	24.7	2.3	3.9	4.3
Monmouth-Ocean .....	483.9	491.5	488.6	15.4	25.9	27.4	3.2	5.3	5.6
Newark .....	961.3	978.2	978.0	32.8	51.4	55.9	3.4	5.3	5.7
Trenton .....	172.3	173.3	172.3	4.4	7.4	8.0	2.6	4.3	4.7
Vineland-Milville-Bridgeton .....	58.9	61.3	61.2	4.2	5.5	6.3	7.1	9.0	10.3
<b>New Mexico</b> .....	702.3	700.2	704.6	38.8	42.9	45.8	5.5	6.1	6.5
Albuquerque .....	265.7	262.3	265.3	11.2	12.7	14.6	4.2	4.9	5.5
Las Cruces .....	59.6	80.9	80.2	3.2	3.8	4.0	5.4	8.2	6.6
Santa Fe .....	67.3	69.3	67.9	2.3	2.6	2.4	3.3	3.8	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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>P</sup>
<b>New York<sup>1</sup></b> .....	8,786.8	8,568.5	8,564.2	482.1	451.7	465.9	5.5	5.3	5.4
Albany-Schenectady-Troy.....	434.6	429.7	429.8	17.9	14.3	18.9	4.1	3.3	4.4
Binghamton.....	125.7	120.2	120.3	5.8	4.6	5.7	4.6	3.8	4.8
Buffalo.....	463.8	450.4	451.4	24.5	19.4	24.0	5.3	4.3	5.3
Elmira.....	43.6	42.5	42.7	2.3	1.7	2.1	5.2	4.0	5.0
Glens Falls.....	53.8	51.2	51.2	3.5	3.0	4.0	6.6	5.9	7.8
Nassau-Suffolk.....	1,425.2	1,368.4	1,366.7	53.5	48.2	58.5	3.8	3.5	4.3
New York.....	4,122.7	4,024.1	4,020.5	262.3	269.4	238.6	6.4	6.7	5.9
New York City <sup>1</sup> .....	3,441.0	3,367.0	3,367.0	240.0	248.0	214.0	7.0	7.4	6.3
Orange County.....	136.4	130.1	129.9	6.5	5.9	6.9	4.7	4.5	5.3
Poughkeepsie.....	128.5	125.2	126.0	3.7	3.7	4.7	2.9	2.9	3.8
Rochester.....	504.4	496.3	494.9	21.3	16.9	21.1	4.2	3.4	4.3
Syracuse.....	322.4	317.9	317.9	15.4	13.9	16.0	4.8	4.4	5.0
Utica-Rome.....	137.0	133.3	133.7	7.3	5.8	7.7	5.3	4.4	5.8
<b>North Carolina<sup>1</sup></b> .....	3,368.1	3,384.1	3,395.8	101.3	171.9	174.0	3.0	5.1	5.1
Asheville.....	92.5	94.2	94.3	2.2	3.9	3.8	2.4	4.1	4.0
Charlotte-Gastonia-Rock Hill.....	648.0	650.0	654.9	17.2	27.8	28.3	2.7	4.3	4.3
Greensboro-Winston-Salem-High Point.....	514.6	503.8	504.4	13.7	23.1	22.4	2.7	4.6	4.4
Raleigh-Durham.....	423.0	413.6	417.0	8.2	12.2	11.9	1.9	3.0	2.9
<b>North Dakota</b> .....	322.6	319.8	316.7	13.3	10.2	12.0	4.1	3.2	3.8
Bismarck.....	46.8	46.8	46.9	2.1	1.4	1.8	4.5	3.0	3.7
Fargo-Moorhead.....	87.9	90.1	88.5	2.3	2.0	2.5	2.6	2.2	2.8
Grand Forks.....	36.5	36.5	36.2	1.1	.9	1.1	3.1	2.6	3.0
<b>Ohio<sup>1</sup></b> .....	5,421.4	5,463.2	5,483.8	327.5	287.2	315.1	6.0	5.3	5.7
Akron.....	335.3	342.0	343.9	19.5	16.4	18.3	5.8	4.8	5.3
Canton.....	193.9	194.0	195.2	12.7	10.3	12.2	6.5	5.3	6.2
Cincinnati.....	790.7	797.2	798.1	37.3	28.8	30.2	4.7	3.6	3.8
Cleveland.....	954.9	954.7	958.8	50.9	42.1	45.5	5.3	4.4	4.7
Columbus.....	736.1	746.7	750.0	39.9	29.3	31.9	5.4	3.9	4.3
Dayton-Springfield.....	480.8	483.7	483.7	27.3	24.5	25.0	5.7	5.1	5.2
Toledo.....	320.3	322.2	325.8	20.6	20.8	26.3	6.4	6.5	8.1
Youngstown-Warren.....	224.0	224.4	225.3	15.5	16.1	16.1	6.9	7.2	7.1
<b>Oklahoma</b> .....	1,518.9	1,535.6	1,529.9	78.8	89.7	92.1	5.2	5.8	6.0
Enid.....	27.6	27.7	27.7	1.1	1.2	1.3	4.1	4.3	4.5
Lawton.....	48.1	48.6	48.3	2.0	2.6	2.3	4.3	5.4	4.8
Oklahoma City.....	500.2	508.8	501.5	22.3	30.4	31.1	4.5	6.0	6.2
Tulsa.....	340.1	346.2	347.3	17.9	17.1	18.6	5.3	5.0	5.4
<b>Oregon</b> .....	1,459.4	1,514.6	1,497.5	76.8	84.7	90.0	5.3	5.6	6.0
Eugene-Springfield.....	147.3	152.7	150.3	7.9	9.7	9.9	5.4	6.4	6.6
Portland.....	671.7	696.6	693.9	26.8	28.3	29.8	4.0	4.1	4.3
Salem.....	135.4	142.0	138.0	8.2	7.9	8.7	6.1	5.6	6.3
<b>Pennsylvania<sup>1</sup></b> .....	5,855.2	5,910.8	5,891.3	287.9	347.4	324.1	4.9	5.9	5.5
Allentown-Bethlehem.....	329.2	332.0	331.6	16.2	19.5	18.9	4.9	5.9	5.7
Aitoona.....	59.7	61.6	61.6	4.2	5.0	5.0	7.0	8.2	8.2
Beaver County.....	59.1	59.0	59.0	4.3	4.7	4.6	7.2	8.0	7.8
Erie.....	132.0	135.4	135.7	7.3	7.9	7.6	5.5	5.8	5.6
Harrisburg-Lebanon-Carlisle.....	328.2	338.2	337.1	12.7	16.4	14.9	3.9	4.9	4.4
Johnstown.....	95.2	96.5	96.0	7.5	8.4	7.6	7.9	8.7	7.9
Lancaster.....	221.5	225.2	222.2	8.6	11.5	10.3	3.9	5.1	4.6
Philadelphia.....	2,437.3	2,438.7	2,438.2	93.3	123.5	117.2	3.8	5.1	4.8
Pittsburgh.....	982.0	993.9	989.2	46.5	50.7	47.6	4.7	5.1	4.8
Reading.....	177.5	180.0	180.1	6.9	9.5	9.7	3.9	5.3	5.4
Scranton-Wilkes-Barre.....	364.3	371.5	368.6	23.4	28.8	26.3	6.4	7.7	7.1
Sharon.....	50.4	53.0	52.4	2.4	2.9	2.5	4.8	5.6	4.8
State College.....	65.9	68.7	67.7	3.7	4.3	3.8	5.7	6.2	5.5
Williamsport.....	60.4	61.9	61.3	4.1	4.7	4.4	6.7	7.6	7.2
York.....	222.9	223.1	222.1	10.2	11.8	10.6	4.6	5.3	4.8
<b>Rhode Island</b> .....	528.1	513.0	514.6	26.3	32.9	33.0	5.0	6.4	6.4
Pawtucket-Woonsocket-Attleboro.....	165.7	163.8	163.4	9.2	12.1	12.0	5.5	7.4	7.4
Providence.....	348.1	337.6	338.9	16.4	20.9	20.6	4.7	6.2	6.1
<b>South Carolina</b> .....	1,700.4	1,722.6	1,721.1	73.1	95.5	94.3	4.3	5.5	5.5
Charleston.....	228.1	237.5	237.0	7.2	9.4	9.1	3.2	4.0	3.8
Columbia.....	235.7	240.7	240.3	7.2	9.7	8.9	3.0	4.0	3.7
Greenville-Spartanburg.....	342.1	347.1	347.9	11.0	15.9	15.7	3.2	4.6	4.5
<b>South Dakota</b> .....	354.3	357.1	355.7	13.2	12.2	11.3	3.7	3.4	3.2
Rapid City.....	39.8	38.8	38.5	1.8	1.2	1.1	4.5	3.2	2.9
Sioux Falls.....	74.1	74.6	75.2	2.6	1.9	2.3	3.5	2.5	3.0

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		
	Dec. 1989	Nov. 1990	Dec. 1990 <sup>p</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>p</sup>	Dec. 1989	Nov. 1990	Dec. 1990 <sup>p</sup>
<b>Tennessee</b> .....	2,380.9	2,405.3	2,378.9	110.8	130.0	137.0	4.7	5.4	5.8
Chattanooga .....	208.9	210.0	207.6	9.2	10.4	11.0	4.4	5.0	5.3
Johnson City-Kingsport-Bristol .....	221.9	223.4	221.8	9.0	10.3	10.4	4.0	4.6	4.7
Knoxville .....	288.8	283.7	281.3	14.5	13.6	15.0	5.0	4.8	5.3
Memphis .....	467.8	475.4	472.7	19.3	23.4	23.6	4.1	4.9	5.0
Nashville .....	530.5	534.0	527.9	18.2	21.4	21.9	3.4	4.0	4.2
<b>Texas<sup>1</sup></b> .....	8,391.8	8,524.4	8,521.5	490.2	583.1	556.7	5.8	6.8	6.5
Arlene .....	52.4	52.3	52.3	2.8	3.3	3.0	5.3	6.4	5.8
Amarillo .....	96.3	96.0	96.0	4.5	4.8	4.9	4.6	5.0	5.2
Austin .....	429.7	435.2	433.5	18.9	20.8	20.2	4.4	4.8	4.7
Beaumont-Port Arthur .....	162.5	167.2	167.2	12.1	12.6	12.1	7.5	7.7	7.3
Brazoria .....	85.0	87.4	87.6	5.0	5.2	5.1	5.9	5.9	5.8
Brownsville-Harlingen .....	104.9	109.4	110.1	10.9	14.4	14.6	10.4	13.1	13.2
Bryan-College Station .....	62.0	63.1	63.3	2.2	2.0	2.3	3.6	3.2	3.6
Corpus Christi .....	156.7	162.4	163.0	11.0	13.9	13.0	7.0	8.5	8.0
Dallas .....	1,442.3	1,456.3	1,454.3	66.8	83.3	78.2	4.6	5.7	5.4
El Paso .....	250.7	260.0	258.3	23.8	31.4	28.7	9.5	12.1	11.1
Fort Worth-Arlington .....	722.2	736.3	736.7	35.0	44.8	41.9	4.8	6.1	5.7
Galveston-Texas City .....	106.5	110.2	109.4	7.2	8.8	8.5	6.8	8.0	7.8
Houston .....	1,685.4	1,718.5	1,723.7	81.6	97.8	93.9	4.8	5.7	5.4
Killeen-Temple .....	96.9	98.9	98.1	6.4	8.0	7.5	6.6	8.1	7.7
Laredo .....	54.1	54.7	55.1	6.1	6.4	6.7	11.2	11.8	12.1
Longview-Marshall .....	80.1	79.9	79.5	5.6	6.1	5.7	6.9	7.7	7.2
Lubbock .....	115.3	116.8	116.5	5.0	6.1	5.4	4.3	5.2	4.7
McAllen-Edinburg-Mission .....	164.8	173.0	174.2	27.6	36.8	35.9	16.8	21.3	20.6
Midland .....	49.4	49.2	49.2	2.6	2.6	2.4	5.2	5.2	4.8
Odessa .....	51.2	51.7	51.9	3.2	2.8	2.8	8.2	5.5	5.4
San Angelo .....	44.8	43.8	43.5	2.4	2.5	2.1	5.4	5.7	4.8
San Antonio .....	609.2	615.5	613.0	39.1	47.4	43.7	6.4	7.7	7.1
Sherman-Denison .....	47.1	47.3	47.0	2.6	3.0	2.8	5.5	6.4	5.9
Texarkana .....	56.7	58.2	56.2	3.4	4.0	3.8	5.8	6.9	6.5
Tyler .....	75.1	75.2	75.6	4.2	5.3	5.1	5.7	7.1	6.8
Victoria .....	35.9	35.7	35.8	1.7	1.7	1.8	4.8	4.7	4.9
Waco .....	93.8	95.4	95.0	4.8	6.1	5.4	5.2	8.4	5.7
Wichita Falls .....	56.3	56.2	56.3	3.0	3.8	3.6	5.4	6.7	6.4
<b>Utah</b> .....	609.8	609.0	607.9	31.1	30.7	30.8	3.8	3.8	3.8
Provo-Orem .....	117.2	122.3	119.0	5.4	4.9	4.4	4.8	4.0	3.7
Salt Lake City-Ogden .....	525.7	521.4	521.8	18.2	18.8	18.4	3.5	3.6	3.5
<b>Vermont</b> .....	307.2	305.7	306.8	12.1	18.2	20.5	3.9	6.0	6.7
Burlington .....	79.0	78.7	79.9	2.4	3.1	3.6	3.1	3.9	4.7
<b>Virginia</b> .....	3,140.8	3,229.2	3,224.3	129.8	145.4	158.6	4.1	4.5	4.9
Charlottesville .....	74.8	77.8	76.9	2.5	2.6	2.4	3.3	3.4	3.1
Danville .....	53.5	53.6	53.9	4.6	4.3	4.9	8.8	8.1	9.1
Lynchburg .....	72.9	75.5	74.5	3.3	4.0	3.8	4.6	5.3	5.1
Norfolk-Virginia Beach-Newport News .....	623.7	628.0	629.4	34.1	27.1	31.7	5.5	4.3	5.0
Richmond-Petersburg .....	454.3	466.7	468.8	17.0	18.4	20.2	3.7	4.0	4.3
Roanoke .....	119.5	125.7	124.9	3.8	4.5	4.3	3.1	3.8	3.5
<b>Washington</b> .....	2,516.2	2,465.0	2,535.7	152.5	132.1	145.2	6.1	5.4	5.7
Seattle .....	1,144.4	1,119.4	1,157.6	48.0	41.2	45.6	4.2	3.7	3.9
<b>West Virginia</b> .....	767.5	770.7	776.5	64.7	67.4	74.3	8.4	8.7	9.5
Charleston .....	117.0	116.8	119.8	7.1	7.8	8.3	6.1	6.6	6.9
Huntington-Ashland .....	130.6	130.3	131.4	7.3	8.3	9.0	5.6	6.4	6.9
Parkersburg-Marietta .....	72.4	73.0	73.8	4.8	5.0	5.5	8.4	6.8	7.5
Wheeling .....	72.4	72.7	73.2	4.5	4.0	4.4	8.3	5.5	6.0
<b>Wisconsin</b> .....	2,593.2	2,613.4	2,598.3	109.3	105.5	115.2	4.2	4.0	4.4
Appleton-Oshkosh-Neenah .....	173.2	175.7	173.8	7.2	7.3	7.8	4.1	4.2	4.4
Eau Claire .....	75.2	77.1	76.3	3.1	3.6	4.2	4.2	4.9	5.5
Green Bay .....	110.9	113.0	111.9	4.1	4.5	4.4	3.7	4.0	3.9
Janesville-Beloit .....	73.4	72.2	72.2	3.1	2.5	3.2	4.2	3.5	4.4
Kenosha .....	53.2	52.2	53.0	3.4	2.4	2.8	6.4	4.5	5.3
La Crosse .....	54.4	54.8	54.5	2.0	1.9	1.9	3.6	3.5	3.4
Madison .....	225.1	231.0	228.6	6.3	5.7	6.1	2.8	2.5	2.8
Milwaukee .....	775.4	772.3	774.3	29.1	23.2	27.8	3.8	3.0	3.6
Racine .....	92.0	91.4	91.3	4.1	3.3	4.2	4.4	3.7	4.8
Sheboygan .....	59.8	59.6	60.2	2.7	2.7	3.7	4.6	4.6	6.1
Wausau .....	66.0	66.4	66.5	2.7	4.1	2.8	4.1	6.0	4.3
<b>Wyoming</b> .....	240.5	242.8	244.4	14.0	13.4	15.4	5.8	5.5	6.3
Casper .....	31.9	31.7	32.1	1.9	1.9	2.1	6.1	6.1	6.8

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.  
<sup>p</sup> = preliminary.  
 NOTE: Data refer to place of residence. Estimates for 1989 have been benchmarked to 1989 Current Population Survey annual averages. Except in the

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Labor force, including resident Armed Forces, total</b>												
1986	118,373	118,573	118,913	119,011	119,215	119,764	119,801	119,847	120,111	120,265	120,385	120,361
1987	120,588	120,854	121,021	121,069	121,720	121,335	121,618	122,041	121,758	122,259	122,304	122,514
1988	122,724	122,894	122,677	122,985	122,783	123,189	123,348	123,769	123,695	123,889	124,250	124,342
1989	125,047	124,831	124,938	125,238	125,157	125,728	125,659	125,757	125,698	125,915	126,252	126,242
1990	126,186	126,331	126,467	126,438	126,578	126,427	126,336	126,345	126,571	126,445	126,338	126,791
<b>Labor force, including resident Armed Forces, men</b>												
1986	68,603	66,639	66,728	66,769	66,830	66,991	67,025	66,963	67,216	67,183	67,397	67,455
1987	67,564	67,615	67,547	67,564	67,851	67,626	67,680	67,931	67,825	68,003	68,004	68,086
1988	68,184	68,255	68,109	68,368	68,403	68,454	68,526	68,767	68,650	68,608	68,694	68,665
1989	68,977	69,054	69,086	69,241	69,116	69,546	69,391	69,460	69,326	69,613	69,622	69,685
1990	69,608	69,648	69,687	69,697	69,729	69,609	69,523	69,552	69,814	69,804	69,899	70,058
<b>Labor force, including resident Armed Forces, women</b>												
1986	51,770	51,934	52,185	52,242	52,385	52,773	52,776	52,884	52,895	53,082	52,988	52,906
1987	53,024	53,239	53,474	53,505	53,869	53,709	53,938	54,110	53,933	54,256	54,300	54,428
1988	54,540	54,839	54,568	54,617	54,380	54,735	54,822	55,002	55,045	55,281	55,556	55,677
1989	56,070	55,777	55,852	55,997	56,041	56,182	56,288	56,297	56,372	56,302	56,630	56,557
1990	56,578	56,683	56,800	56,741	56,849	56,818	56,813	56,793	56,757	56,641	56,439	56,733
<b>Civilian labor force, all civilian workers</b>												
1986	116,682	116,862	117,220	117,316	117,528	118,084	118,129	118,150	118,395	118,516	118,634	118,611
1987	118,840	119,114	119,285	119,334	119,994	119,617	119,898	120,305	120,015	120,518	120,549	120,764
1988	120,975	121,158	120,941	121,253	121,069	121,504	121,675	122,077	121,991	122,202	122,545	122,646
1989	123,351	123,147	123,254	123,554	123,484	124,062	123,993	124,069	123,996	124,206	124,548	124,542
1990	124,489	124,653	124,798	124,781	124,939	124,797	124,709	124,705	124,970	124,875	124,723	125,174
<b>Civilian labor force, men</b>												
1986	65,064	65,100	65,188	65,228	65,297	65,466	65,507	65,422	65,656	65,593	65,805	65,882
1987	65,973	66,031	65,972	65,989	66,285	66,067	66,119	66,356	66,244	66,423	66,411	66,497
1988	66,596	66,678	66,536	66,799	66,850	66,931	67,014	67,238	67,110	67,082	67,152	67,131
1989	67,445	67,533	67,565	67,720	67,605	68,045	67,892	67,941	67,795	68,080	68,093	68,160
1990	68,085	68,142	68,170	68,198	68,257	68,144	68,061	68,077	68,373	68,390	68,446	68,604
<b>Civilian labor force, women</b>												
1986	51,618	51,782	52,032	52,088	52,231	52,618	52,622	52,728	52,739	52,923	52,829	52,749
1987	52,867	53,083	53,313	53,345	53,709	53,550	53,779	53,949	53,771	54,095	54,138	54,267
1988	54,379	54,480	54,405	54,454	54,219	54,573	54,661	54,839	54,881	55,120	55,393	55,515
1989	55,906	55,614	55,689	55,834	55,879	56,017	58,101	56,128	56,201	58,126	56,455	56,382
1990	56,404	56,511	56,628	56,583	56,682	56,653	56,848	56,628	56,597	56,485	56,277	56,570
<b>Civilian labor force, both sexes, 16 to 19 years</b>												
1986	7,704	7,895	7,977	8,058	7,997	8,024	7,914	7,920	7,945	7,977	7,891	7,769
1987	7,860	7,977	7,935	7,927	8,061	7,839	7,905	8,209	7,935	8,073	7,998	8,091
1988	8,113	8,047	7,905	7,950	7,919	8,183	8,162	8,142	8,127	7,956	7,904	7,969
1989	8,025	7,910	7,871	7,945	7,903	8,059	7,904	8,027	7,884	7,947	7,972	7,880
1990	7,755	7,720	7,607	7,650	7,551	7,348	7,223	7,031	7,269	7,234	7,145	7,189
<b>Civilian labor force, men, 16 to 19 years</b>												
1986	3,938	4,073	4,069	4,170	4,174	4,163	4,134	4,124	4,164	4,110	4,089	3,984
1987	4,082	4,169	4,081	4,081	4,120	4,026	4,005	4,246	4,123	4,140	4,080	4,187
1988	4,185	4,106	4,077	4,113	4,128	4,261	4,246	4,245	4,220	4,108	4,112	4,098
1989	4,117	4,118	4,096	4,122	4,088	4,196	4,133	4,191	4,061	4,152	4,125	4,107
1990	4,054	4,031	4,016	4,010	3,944	3,602	3,730	3,658	3,801	3,796	3,764	3,801
<b>Civilian labor force, women, 16 to 19 years</b>												
1986	3,766	3,822	3,908	3,888	3,823	3,861	3,780	3,796	3,781	3,867	3,802	3,805
1987	3,778	3,808	3,854	3,848	3,961	3,813	3,900	3,963	3,812	3,933	3,918	3,904
1988	3,928	3,941	3,828	3,837	3,791	3,922	3,916	3,897	3,907	3,848	3,792	3,871
1989	3,906	3,792	3,775	3,823	3,815	3,883	3,771	3,836	3,823	3,795	3,847	3,753
1990	3,701	3,689	3,791	3,640	3,607	3,546	3,493	3,373	3,468	3,438	3,381	3,388

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force, both sexes, 20 years and over</b>												
1986	108,978	108,987	109,243	109,258	109,531	110,060	110,215	110,230	110,450	110,539	110,743	110,842
1987	110,980	111,137	111,350	111,407	111,913	111,778	111,993	112,096	112,080	112,445	112,551	112,673
1988	112,862	113,111	113,036	113,303	113,150	113,321	113,513	113,935	113,864	114,246	114,641	114,877
1989	115,326	115,237	115,383	115,609	115,581	116,003	116,089	116,042	116,112	116,259	116,576	116,682
1990	116,734	116,933	116,991	117,131	117,388	117,449	117,486	117,674	117,701	117,641	117,578	117,985
<b>Civilian labor force, men, 20 years and over</b>												
1986	61,126	61,027	61,119	61,058	61,123	61,303	61,373	61,298	61,492	61,483	61,716	61,898
1987	61,891	61,862	61,891	61,908	62,165	62,041	62,114	62,110	62,121	62,283	62,331	62,310
1988	62,411	62,572	62,459	62,686	62,722	62,670	62,768	62,993	62,890	62,974	63,040	63,033
1989	63,328	63,415	63,469	63,598	63,517	63,849	63,759	63,750	63,734	63,928	63,968	64,053
1990	64,031	64,111	64,154	64,188	64,313	64,342	64,331	64,419	64,572	64,594	64,682	64,803
<b>Civilian labor force, women, 20 years and over</b>												
1986	47,852	47,960	48,124	48,200	48,408	48,757	48,842	48,932	48,958	49,056	49,027	48,944
1987	49,089	49,275	49,459	49,499	49,748	49,737	49,879	49,966	49,959	50,162	50,220	50,363
1988	50,451	50,539	50,577	50,617	50,428	50,651	50,745	50,942	50,974	51,272	51,601	51,644
1989	51,998	51,822	51,914	52,011	52,064	52,154	52,330	52,292	52,378	52,331	52,608	52,629
1990	52,703	52,822	52,837	52,943	53,075	53,107	53,155	53,255	53,129	53,047	52,896	53,182
<b>Civilian labor force, both sexes, 20 to 24 years</b>												
1986	15,579	15,687	15,598	15,486	15,439	15,411	15,417	15,306	15,422	15,327	15,354	15,324
1987	15,342	15,272	15,184	15,110	15,059	14,915	14,962	14,926	14,875	14,729	14,742	14,600
1988	14,808	14,758	14,655	14,592	14,433	14,472	14,453	14,453	14,405	14,391	14,338	14,333
1989	14,360	14,281	14,299	14,287	14,152	14,337	14,318	14,266	14,026	13,948	14,007	13,803
1990	13,860	13,840	13,883	13,935	13,868	13,824	13,817	13,790	13,841	13,806	13,801	13,846
<b>Civilian labor force, men, 20 to 24 years</b>												
1986	8,265	8,290	8,284	8,169	8,096	8,104	8,147	8,040	8,142	8,092	8,096	8,116
1987	8,028	8,024	7,942	7,934	7,875	7,795	7,865	7,815	7,788	7,684	7,697	7,597
1988	7,706	7,671	7,657	7,645	7,610	7,545	7,562	7,596	7,578	7,553	7,535	7,476
1989	7,556	7,564	7,507	7,496	7,415	7,514	7,416	7,463	7,392	7,402	7,366	7,334
1990	7,295	7,275	7,308	7,342	7,302	7,319	7,314	7,223	7,278	7,241	7,266	7,320
<b>Civilian labor force, women, 20 to 24 years</b>												
1986	7,314	7,397	7,314	7,317	7,343	7,307	7,270	7,266	7,280	7,235	7,258	7,208
1987	7,314	7,248	7,242	7,176	7,184	7,120	7,097	7,111	7,087	7,045	7,045	7,003
1988	7,102	7,087	6,998	6,947	6,823	6,927	6,891	6,857	6,827	6,838	6,803	6,857
1989	6,804	6,717	6,792	6,791	6,737	6,823	6,902	6,803	6,634	6,546	6,641	6,469
1990	6,565	6,565	6,575	6,593	6,566	6,505	6,503	6,567	6,563	6,565	6,535	6,526
<b>Civilian labor force, both sexes, 25 years and over</b>												
1986	93,430	93,318	93,698	93,802	94,018	94,651	94,827	94,916	95,036	95,155	95,387	95,485
1987	95,706	95,888	96,205	96,320	96,779	96,833	97,065	97,176	97,225	97,657	97,793	98,022
1988	98,132	98,359	98,398	98,724	98,644	98,824	99,094	99,503	99,480	99,804	100,291	100,309
1989	101,047	100,954	101,076	101,324	101,366	101,646	101,805	101,800	102,101	102,262	102,553	102,835
1990	102,950	103,071	103,084	103,201	103,435	103,637	103,717	103,930	103,864	103,790	103,757	104,097
<b>Civilian labor force, men, 25 years and over</b>												
1986	52,878	52,751	52,887	52,929	52,959	53,184	53,214	53,272	53,353	53,334	53,634	53,779
1987	53,908	53,856	53,990	54,011	54,217	54,218	54,239	54,312	54,342	54,545	54,634	54,704
1988	54,762	54,910	54,829	55,075	55,043	55,092	55,198	55,410	55,323	55,374	55,500	55,552
1989	55,844	55,861	55,974	56,134	56,040	56,299	56,334	56,293	56,345	56,484	56,594	56,713
1990	56,808	56,829	56,853	56,887	56,943	56,994	57,007	57,199	57,286	57,317	57,401	57,483
<b>Civilian labor force, women, 25 years and over</b>												
1986	40,552	40,567	40,811	40,873	41,059	41,467	41,613	41,644	41,683	41,821	41,753	41,706
1987	41,798	42,032	42,215	42,309	42,562	42,615	42,826	42,864	42,883	43,112	43,159	43,318
1988	43,370	43,449	43,569	43,649	43,601	43,732	43,896	44,093	44,157	44,430	44,791	44,757
1989	45,203	45,093	45,102	45,190	45,326	45,347	45,471	45,507	45,756	45,778	45,959	46,122
1990	46,142	46,242	46,231	46,314	46,492	46,643	46,710	46,731	46,578	46,473	46,356	46,614

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, both sexes, 25 to 54 years												
1986	78,524	78,531	78,841	78,982	79,102	79,590	79,741	79,886	80,192	80,361	80,473	80,654
1987	80,779	81,058	81,295	81,479	81,791	81,776	82,064	82,138	82,315	82,545	82,632	82,878
1988	82,986	83,215	83,398	83,602	83,695	83,742	84,114	84,389	84,490	84,695	85,036	85,095
1989	85,587	85,681	85,788	85,972	86,014	86,166	86,420	86,546	86,941	87,002	87,283	87,483
1990	87,469	87,690	87,746	87,852	88,070	88,191	88,322	88,367	88,458	88,430	88,478	88,734
Civilian labor force, men, 25 to 54 years												
1986	44,043	44,039	44,111	44,157	44,186	44,395	44,463	44,508	44,645	44,631	44,850	44,942
1987	45,111	45,101	45,151	45,204	45,339	45,334	45,448	45,464	45,567	45,694	45,705	45,823
1988	45,913	46,062	46,065	46,270	46,262	46,210	46,434	46,537	46,615	46,634	46,774	46,797
1989	46,975	47,047	47,159	47,223	47,247	47,352	47,500	47,520	47,673	47,751	47,856	47,973
1990	47,928	48,059	48,099	48,121	48,173	48,138	48,217	48,270	48,437	48,518	48,585	48,660
Civilian labor force, women, 25 to 54 years												
1986	34,481	34,492	34,730	34,825	34,916	35,195	35,278	35,378	35,547	35,730	35,623	35,712
1987	35,668	35,957	36,144	36,275	36,452	36,442	36,616	36,674	36,748	36,851	36,927	37,055
1988	37,073	37,153	37,333	37,332	37,433	37,532	37,680	37,852	37,875	38,061	38,262	38,298
1989	38,592	38,634	38,629	38,749	38,767	38,814	38,920	39,026	39,268	39,251	39,427	39,510
1990	39,541	39,631	39,647	39,731	39,897	40,053	40,105	40,097	40,021	39,912	39,893	40,074
Civilian labor force, both sexes, 25 to 34 years												
1986	34,221	34,201	34,402	34,445	34,433	34,666	34,658	34,685	34,840	34,780	34,964	34,886
1987	34,906	35,017	35,105	35,198	35,217	35,224	35,328	35,330	35,267	35,325	35,392	35,438
1988	35,402	35,466	35,450	35,452	35,431	35,417	35,481	35,512	35,528	35,574	35,630	35,697
1989	35,772	35,769	35,763	35,811	35,776	35,819	35,971	35,816	36,168	35,991	36,091	36,053
1990	36,049	36,037	35,983	35,946	35,932	35,796	35,745	35,739	35,655	35,581	35,550	35,696
Civilian labor force, men, 25 to 34 years												
1986	19,323	19,282	19,330	19,323	19,269	19,394	19,396	19,400	19,468	19,378	19,554	19,553
1987	19,601	19,578	19,581	19,619	19,689	19,670	19,667	19,650	19,628	19,694	19,702	19,727
1988	19,742	19,746	19,688	19,736	19,655	19,611	19,736	19,726	19,801	19,810	19,831	19,830
1989	19,858	19,842	19,903	19,916	19,884	19,918	19,953	19,873	19,970	19,878	19,933	19,931
1990	19,924	19,930	19,913	19,889	19,842	19,744	19,781	19,780	19,758	19,732	19,756	19,787
Civilian labor force, women, 25 to 34 years												
1986	14,898	14,919	15,072	15,122	15,164	15,272	15,262	15,285	15,372	15,402	15,410	15,333
1987	15,305	15,439	15,524	15,579	15,528	15,554	15,661	15,680	15,639	15,631	15,690	15,711
1988	15,660	15,720	15,762	15,716	15,776	15,806	15,745	15,786	15,727	15,764	15,799	15,867
1989	15,914	15,927	15,860	15,895	15,892	15,901	16,018	15,943	16,198	16,113	16,158	16,122
1990	16,125	16,107	16,070	16,057	16,090	16,052	15,984	15,959	15,897	15,849	15,794	15,909
Civilian labor force, both sexes, 35 to 44 years												
1986	26,636	26,728	26,850	26,944	27,063	27,167	27,313	27,449	27,548	27,657	27,626	27,828
1987	27,989	28,083	28,184	28,242	28,402	28,370	28,528	28,565	28,712	28,793	28,782	28,848
1988	28,910	28,942	29,112	29,219	29,256	29,315	29,463	29,630	29,691	29,793	29,962	29,913
1989	30,150	30,261	30,294	30,308	30,442	30,504	30,603	30,774	30,747	30,889	30,979	31,191
1990	31,241	31,463	31,527	31,636	31,769	31,855	31,993	32,007	32,079	32,113	32,218	32,285
Civilian labor force, men, 35 to 44 years												
1986	14,771	14,802	14,843	14,879	14,933	14,986	15,060	15,114	15,167	15,224	15,257	15,320
1987	15,449	15,434	15,448	15,446	15,489	15,517	15,625	15,651	15,703	15,747	15,740	15,774
1988	15,794	15,830	15,880	15,972	16,053	16,039	16,124	16,220	16,202	16,233	16,264	16,268
1989	16,355	16,448	16,470	16,446	16,523	16,556	16,626	16,659	16,728	16,802	16,868	16,935
1990	16,955	17,063	17,113	17,169	17,238	17,243	17,271	17,269	17,383	17,446	17,545	17,571
Civilian labor force, women, 35 to 44 years												
1986	11,865	11,926	12,007	12,065	12,130	12,181	12,253	12,335	12,381	12,433	12,369	12,508
1987	12,540	12,649	12,736	12,796	12,913	12,853	12,903	12,914	13,009	13,046	13,042	13,074
1988	13,116	13,112	13,232	13,247	13,203	13,276	13,339	13,410	13,489	13,560	13,698	13,645
1989	13,795	13,813	13,824	13,862	13,919	13,948	13,977	14,115	14,019	14,087	14,111	14,258
1990	14,286	14,400	14,414	14,467	14,531	14,612	14,722	14,738	14,696	14,667	14,673	14,714



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, both sexes, 45 to 54 years												
1986	17,667	17,602	17,589	17,593	17,606	17,757	17,770	17,752	17,804	17,924	17,883	17,940
1987	17,884	17,958	18,006	18,039	18,172	18,182	18,208	18,243	18,336	18,427	18,458	18,592
1988	18,674	18,807	18,836	18,931	19,008	19,010	19,170	19,247	19,271	19,328	19,444	19,485
1989	19,645	19,651	19,731	19,853	19,796	19,843	19,846	19,956	20,026	20,122	20,213	20,239
1990	20,179	20,190	20,236	20,270	20,369	20,540	20,584	20,621	20,724	20,736	20,710	20,753
Civilian labor force, men, 45 to 54 years												
1986	9,949	9,955	9,938	9,955	9,984	10,015	10,007	9,994	10,010	10,029	10,039	10,069
1987	10,061	10,089	10,122	10,139	10,161	10,147	10,156	10,163	10,236	10,253	10,263	10,322
1988	10,377	10,486	10,497	10,562	10,554	10,560	10,574	10,591	10,612	10,591	10,679	10,699
1989	10,762	10,757	10,786	10,881	10,840	10,878	10,921	10,988	10,975	11,071	11,055	11,107
1990	11,049	11,086	11,073	11,063	11,093	11,151	11,185	11,221	11,296	11,340	11,284	11,302
Civilian labor force, women, 45 to 54 years												
1986	7,718	7,647	7,651	7,638	7,622	7,742	7,763	7,758	7,794	7,895	7,844	7,871
1987	7,823	7,869	7,884	7,900	8,011	8,035	8,052	8,080	8,100	8,174	8,195	8,270
1988	8,297	8,321	8,339	8,369	8,454	8,450	8,596	8,856	8,659	8,737	8,765	8,786
1989	8,883	8,894	8,945	8,992	8,956	8,965	8,925	8,968	9,051	9,051	9,158	9,132
1990	9,130	9,124	9,163	9,207	9,276	9,389	9,399	9,400	9,428	9,396	9,426	9,451
Civilian labor force, both sexes, 55 years and over												
1986	14,912	14,758	14,841	14,838	14,910	15,060	15,089	15,027	14,904	14,819	14,891	14,833
1987	14,900	14,804	14,918	14,852	15,003	15,035	15,002	15,014	14,990	15,135	15,158	15,163
1988	15,074	15,127	15,019	15,126	14,974	15,017	14,963	15,063	15,081	15,131	15,274	15,243
1989	15,367	15,258	15,323	15,362	15,372	15,400	15,396	15,209	15,248	15,285	15,308	15,390
1990	15,359	15,380	15,385	15,353	15,406	15,378	15,399	15,478	15,506	15,387	15,325	15,402
Civilian labor force, men, 55 years and over												
1986	8,851	8,699	8,769	8,770	8,786	8,786	8,756	8,716	8,731	8,729	8,775	8,841
1987	8,791	8,756	8,853	8,803	8,895	8,854	8,811	8,795	8,810	8,881	8,928	8,902
1988	8,816	8,853	8,787	8,801	8,792	8,811	8,779	8,815	8,754	8,769	8,739	8,786
1989	8,808	8,823	8,844	8,905	8,801	8,863	8,863	8,729	8,722	8,767	8,748	8,780
1990	8,803	8,786	8,787	8,757	8,789	8,780	8,818	8,863	8,910	8,836	8,833	8,869
Civilian labor force, women, 55 years and over												
1986	6,061	6,059	6,072	6,068	6,124	6,274	6,313	6,311	6,173	6,090	6,116	5,992
1987	6,109	6,048	6,065	6,049	6,108	6,181	6,191	6,219	6,180	6,254	6,230	6,261
1988	6,258	6,274	6,232	6,325	6,182	6,206	6,184	6,248	6,327	6,362	6,535	6,457
1989	6,559	6,435	6,479	6,457	6,571	6,537	6,533	6,480	6,526	6,518	6,560	6,610
1990	6,556	6,594	6,598	6,596	6,617	6,598	6,581	6,615	6,596	6,551	6,492	6,533
Civilian labor force, both sexes, 55 to 64 years												
1986	11,872	11,768	11,851	11,841	11,695	12,007	12,012	12,010	11,888	11,878	11,880	11,811
1987	11,898	11,812	11,882	11,872	11,937	11,904	11,829	11,783	11,833	11,937	11,942	11,912
1988	11,847	11,868	11,791	11,876	11,745	11,719	11,731	11,820	11,820	11,815	11,790	11,845
1989	11,961	11,832	11,895	11,892	11,860	11,989	11,931	11,791	11,871	11,843	11,900	11,897
1990	11,841	11,852	11,828	11,778	11,805	11,827	11,893	11,908	11,921	11,910	11,842	11,923
Civilian labor force, men, 55 to 64 years												
1986	6,976	6,869	6,940	6,948	6,970	6,957	6,948	6,945	6,957	6,980	6,972	6,997
1987	6,992	6,954	7,007	6,965	7,005	6,933	6,917	6,830	6,889	6,927	6,955	6,913
1988	6,909	6,916	6,876	6,889	6,855	6,794	6,808	6,849	6,789	6,778	6,733	6,768
1989	6,789	6,778	6,804	6,824	6,772	6,852	6,832	6,731	6,792	6,757	6,772	6,748
1990	6,720	6,721	6,719	6,704	6,714	6,776	6,794	6,807	6,866	6,862	6,859	6,879
Civilian labor force, women, 55 to 64 years												
1986	4,896	4,899	4,911	4,893	4,925	5,050	5,064	5,065	4,931	4,898	4,908	4,814
1987	4,906	4,858	4,855	4,907	4,932	4,971	4,912	4,953	4,844	5,010	4,987	4,999
1988	4,938	4,952	4,915	4,987	4,890	4,925	4,923	4,971	5,031	5,037	5,057	5,077
1989	5,172	5,054	5,091	5,088	5,088	5,137	5,099	5,060	5,079	5,086	5,128	5,151
1990	5,121	5,131	5,109	5,074	5,091	5,051	5,099	5,101	5,055	5,048	4,983	5,044

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, both sexes, 65 years and over												
1986	3,040	2,990	2,990	2,997	3,015	3,053	3,057	3,017	3,016	2,941	3,011	3,022
1987	3,002	2,992	3,056	2,980	3,066	3,131	3,173	3,231	3,157	3,198	3,216	3,251
1988	3,227	3,259	3,228	3,250	3,229	3,298	3,232	3,243	3,261	3,316	3,484	3,398
1989	3,406	3,426	3,428	3,470	3,512	3,411	3,465	3,418	3,377	3,442	3,408	3,493
1990	3,518	3,528	3,557	3,575	3,601	3,551	3,506	3,570	3,585	3,477	3,483	3,479
Civilian labor force, men, 65 years and over												
1986	1,875	1,830	1,829	1,822	1,816	1,829	1,808	1,771	1,774	1,749	1,803	1,844
1987	1,799	1,802	1,846	1,838	1,890	1,921	1,894	1,965	1,921	1,954	1,973	1,989
1988	1,907	1,937	1,911	1,912	1,937	2,017	1,971	1,966	1,965	1,991	2,006	2,018
1989	2,019	2,045	2,040	2,081	2,029	2,011	2,031	1,998	1,930	2,010	1,976	2,034
1990	2,083	2,065	2,068	2,053	2,075	2,004	2,024	2,056	2,044	1,974	1,974	1,990
Civilian labor force, women, 65 years and over												
1986	1,165	1,160	1,161	1,175	1,199	1,224	1,249	1,246	1,242	1,192	1,208	1,178
1987	1,203	1,190	1,210	1,142	1,176	1,210	1,279	1,266	1,236	1,244	1,243	1,262
1988	1,320	1,322	1,317	1,338	1,292	1,281	1,261	1,277	1,296	1,325	1,478	1,380
1989	1,387	1,381	1,388	1,389	1,483	1,400	1,434	1,420	1,447	1,432	1,432	1,459
1990	1,435	1,463	1,489	1,522	1,526	1,547	1,482	1,514	1,541	1,503	1,509	1,489
Civilian labor force, white workers												
1986	100,904	101,056	101,237	101,271	101,447	102,005	102,047	102,124	102,261	102,389	102,475	102,525
1987	102,602	102,721	102,846	102,881	103,482	103,140	103,246	103,550	103,399	103,792	103,725	103,985
1988	104,143	104,377	104,171	104,442	104,295	104,704	104,622	105,056	105,071	105,148	105,503	105,506
1989	106,085	105,764	105,937	106,203	106,051	106,421	106,346	106,476	106,332	106,644	106,915	106,965
1990	106,952	107,090	107,103	107,090	107,223	107,184	107,196	107,166	107,391	107,277	107,048	107,517
Civilian labor force, white men												
1986	56,961	56,971	57,017	57,035	57,048	57,254	57,230	57,215	57,398	57,389	57,588	57,652
1987	57,667	57,673	57,634	57,572	57,845	57,702	57,656	57,816	57,761	57,972	57,915	58,035
1988	58,083	58,106	58,064	58,156	58,177	58,316	58,380	58,536	58,471	58,432	58,546	58,529
1989	58,778	58,730	58,858	58,921	58,762	59,092	59,011	59,053	58,904	59,174	59,215	59,263
1990	59,268	59,276	59,276	59,239	59,251	59,176	59,164	59,203	59,398	59,399	59,425	59,580
Civilian labor force, white women												
1986	43,943	44,085	44,220	44,236	44,399	44,751	44,817	44,909	44,863	45,020	44,887	44,873
1987	44,935	45,048	45,212	45,309	45,837	45,438	45,590	45,734	45,638	45,820	45,810	45,950
1988	46,060	46,271	46,107	46,286	46,118	46,388	46,242	46,520	46,600	46,716	46,957	46,977
1989	47,307	47,034	47,079	47,282	47,289	47,329	47,335	47,423	47,428	47,470	47,700	47,702
1990	47,684	47,814	47,827	47,851	47,972	48,008	48,032	47,963	47,993	47,878	47,623	47,937
Civilian labor force, white workers, 16 to 19 years												
1986	6,682	6,849	6,869	6,916	6,898	6,924	6,804	6,868	6,894	6,944	6,920	6,785
1987	6,848	6,903	6,892	6,870	7,034	6,802	6,804	6,980	6,819	6,913	6,882	6,979
1988	7,041	6,951	6,837	6,894	6,810	7,133	7,001	6,990	7,009	6,868	6,869	6,883
1989	6,950	6,753	6,788	6,826	6,801	6,880	6,720	6,905	6,718	6,785	6,821	6,663
1990	6,637	6,826	6,667	6,541	6,490	6,312	6,248	6,066	6,288	6,236	6,183	6,215
Civilian labor force, white men, 16 to 19 years												
1986	3,436	3,505	3,488	3,569	3,567	3,602	3,545	3,552	3,614	3,582	3,591	3,457
1987	3,548	3,599	3,548	3,518	3,586	3,500	3,452	3,582	3,538	3,561	3,520	3,612
1988	3,648	3,541	3,555	3,546	3,505	3,673	3,627	3,615	3,617	3,523	3,577	3,567
1989	3,584	3,501	3,549	3,544	3,540	3,569	3,539	3,614	3,479	3,543	3,527	3,485
1990	3,475	3,446	3,435	3,423	3,379	3,286	3,255	3,163	3,279	3,276	3,251	3,273
Civilian labor force, white women, 16 to 19 years												
1986	3,246	3,344	3,381	3,347	3,331	3,322	3,259	3,316	3,280	3,362	3,329	3,328
1987	3,300	3,304	3,344	3,352	3,448	3,302	3,352	3,398	3,281	3,352	3,362	3,367
1988	3,393	3,410	3,282	3,348	3,305	3,460	3,374	3,375	3,392	3,345	3,292	3,316
1989	3,366	3,252	3,239	3,282	3,261	3,311	3,181	3,291	3,239	3,242	3,294	3,198
1990	3,162	3,180	3,232	3,118	3,111	3,026	2,993	2,903	3,009	2,960	2,912	2,942

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, white workers, 20 years and over												
1986	94,222	94,207	94,368	94,355	94,549	95,081	95,243	95,256	95,367	95,445	95,555	95,740
1987	95,754	95,818	95,954	96,011	96,448	96,338	96,442	96,570	96,580	96,879	96,843	97,006
1988	97,102	97,426	97,334	97,548	97,485	97,571	97,621	98,066	98,062	98,280	98,634	98,623
1989	99,135	99,011	99,149	99,377	99,250	99,541	99,626	99,571	99,614	99,859	100,094	100,302
1990	100,315	100,464	100,436	100,549	100,733	100,872	100,948	101,100	101,103	101,041	100,885	101,302
Civilian labor force, white men, 20 years and over												
1986	53,525	53,466	53,529	53,466	53,481	53,652	53,685	53,663	53,784	53,787	53,997	54,195
1987	54,119	54,074	54,086	54,054	54,259	54,202	54,204	54,234	54,223	54,411	54,395	54,423
1988	54,435	54,565	54,509	54,610	54,672	54,643	54,753	54,921	54,854	54,909	54,969	54,962
1989	55,194	55,229	55,309	55,377	55,222	55,523	55,472	55,439	55,425	55,631	55,688	55,798
1990	55,793	55,830	55,841	55,816	55,872	55,890	55,909	56,040	56,119	56,123	56,174	56,307
Civilian labor force, white women, 20 years and over												
1986	40,697	40,741	40,839	40,889	41,068	41,429	41,558	41,593	41,583	41,658	41,558	41,545
1987	41,635	41,744	41,868	41,957	42,189	42,136	42,238	42,336	42,357	42,488	42,448	42,583
1988	42,667	42,861	42,825	42,938	42,813	42,928	42,868	43,145	43,208	43,371	43,665	43,661
1989	43,941	43,782	43,840	44,000	44,028	44,018	44,154	44,132	44,189	44,228	44,406	44,504
1990	44,522	44,634	44,595	44,733	44,861	44,982	45,039	45,060	44,984	44,918	44,711	44,995
Civilian labor force, black workers												
1986	12,517	12,501	12,639	12,729	12,755	12,776	12,620	12,520	12,675	12,733	12,716	12,675
1987	12,765	12,866	12,849	12,800	12,912	12,938	13,059	13,165	13,039	13,157	13,170	13,168
1988	13,159	13,128	13,086	13,123	13,107	13,046	13,296	13,273	13,210	13,304	13,320	13,389
1989	13,451	13,484	13,395	13,310	13,441	13,583	13,577	13,501	13,522	13,500	13,565	13,500
1990	13,517	13,464	13,540	13,534	13,570	13,488	13,406	13,401	13,476	13,493	13,550	13,486
Civilian labor force, black men												
1986	6,334	6,314	6,377	6,384	6,434	6,436	6,393	6,285	6,370	6,400	6,372	6,392
1987	6,425	6,432	6,429	6,424	6,480	6,462	6,537	6,579	6,493	6,497	6,536	6,527
1988	6,540	6,575	6,521	6,596	6,612	6,573	6,584	6,638	6,591	6,649	6,615	6,636
1989	6,676	6,707	6,670	6,623	6,652	6,752	6,720	6,708	6,679	6,703	6,724	6,732
1990	6,680	6,647	6,684	6,683	6,678	6,713	6,694	6,661	6,748	6,757	6,785	6,771
Civilian labor force, black women												
1986	6,183	6,187	6,262	6,345	6,321	6,340	6,227	6,235	6,305	6,333	6,344	6,283
1987	6,340	6,434	6,420	6,376	6,432	6,476	6,522	6,586	6,546	6,660	6,634	6,641
1988	6,619	6,553	6,565	6,527	6,495	6,473	6,712	6,635	6,619	6,855	6,705	6,753
1989	6,775	6,757	6,725	6,687	6,789	6,831	6,857	6,793	6,843	6,797	6,841	6,768
1990	6,837	6,817	6,856	6,851	6,892	6,775	6,712	6,740	6,728	6,736	6,765	6,715
Civilian labor force, black workers, 16 to 19 years												
1986	903	893	935	942	926	939	847	814	870	869	825	834
1987	868	890	865	861	867	863	869	978	919	948	925	924
1988	884	864	835	836	908	860	932	932	918	896	893	897
1989	891	932	873	885	909	971	975	922	921	928	939	955
1990	925	855	885	867	837	813	778	783	790	809	837	788
Civilian labor force, black men, 16 to 19 years												
1986	462	474	482	480	505	471	455	430	448	440	411	432
1987	465	453	446	449	439	436	455	527	482	470	476	477
1988	460	428	412	437	496	480	502	490	481	496	479	466
1989	466	499	455	442	439	541	513	497	447	483	491	504
1990	485	452	463	450	431	415	402	401	424	418	437	412
Civilian labor force, black women, 16 to 19 years												
1986	441	419	453	462	421	468	392	384	422	429	414	402
1987	403	437	419	412	428	427	414	451	457	478	449	447
1988	424	436	423	399	412	380	430	442	437	400	414	431
1989	425	433	418	443	470	430	462	425	474	445	448	451
1990	440	403	422	417	406	398	376	382	366	391	400	376

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force, black workers, 20 years and over</b>												
1986	11,614	11,608	11,704	11,787	11,829	11,837	11,773	11,706	11,805	11,864	11,891	11,841
1987	11,897	11,976	11,984	11,939	12,045	12,075	12,190	12,187	12,120	12,209	12,245	12,244
1988	12,275	12,264	12,251	12,287	12,199	12,188	12,364	12,341	12,292	12,408	12,427	12,492
1989	12,560	12,532	12,522	12,425	12,532	12,812	12,602	12,579	12,601	12,572	12,626	12,545
1990	12,592	12,609	12,855	12,667	12,733	12,675	12,628	12,618	12,666	12,684	12,713	12,698
<b>Civilian labor force, black men, 20 years and over</b>												
1986	5,872	5,840	5,895	5,904	5,929	5,965	5,938	5,855	5,922	5,960	5,961	5,960
1987	5,960	5,979	5,983	5,975	6,041	6,026	6,082	6,052	6,031	6,027	6,060	6,050
1988	6,060	6,147	6,109	6,159	6,118	6,093	6,082	6,148	6,110	6,153	6,136	6,170
1989	6,210	6,208	6,215	6,181	6,213	6,211	6,207	6,211	6,232	6,220	6,233	6,228
1990	6,195	6,195	6,221	6,233	6,247	6,298	6,282	6,260	6,324	6,339	6,348	6,359
<b>Civilian labor force, black women, 20 years and over</b>												
1986	5,742	5,768	5,609	5,883	5,900	5,872	5,835	5,851	5,883	5,904	5,930	5,881
1987	5,937	5,997	6,001	5,964	6,004	6,049	6,108	6,135	6,089	6,182	6,185	6,194
1988	6,195	6,117	6,142	6,128	6,083	6,083	6,282	6,193	6,182	6,255	6,291	6,322
1989	6,350	6,324	6,307	6,244	6,319	6,401	6,395	6,368	6,369	6,352	6,393	6,317
1990	6,397	6,414	6,434	6,434	6,486	6,377	6,336	6,358	6,362	6,345	6,365	6,339
<b>Civilian labor force, Hispanic-origin workers</b>												
1986	7,780	7,887	7,935	7,960	7,970	8,085	8,158	8,141	8,211	8,220	8,215	8,332
1987	8,416	8,406	8,408	8,476	8,535	8,451	8,435	8,545	8,589	8,679	8,747	8,777
1988	8,902	8,992	8,818	8,836	8,829	9,007	8,971	8,935	9,079	9,108	9,170	9,143
1989	9,259	9,225	9,204	9,278	9,325	9,266	9,380	9,328	9,332	9,348	9,453	9,506
1990	9,488	9,440	9,565	9,600	9,627	9,618	9,638	9,665	9,632	9,580	9,500	9,569
<b>Civilian labor force, married men, spouse present</b>												
1986	41,289	41,208	41,190	41,273	41,492	41,516	41,513	41,534	41,519	41,622	41,769	41,850
1987	41,786	41,649	41,720	41,709	41,767	41,798	41,906	41,911	41,969	42,141	42,186	42,093
1988	41,847	41,837	41,607	41,738	41,678	41,804	41,841	42,036	41,862	41,878	41,812	41,831
1989	42,134	42,126	42,172	42,185	42,130	42,316	42,390	42,080	42,009	42,100	42,118	42,307
1990	42,427	42,572	42,289	42,129	42,229	41,964	42,007	42,119	42,302	42,326	42,426	42,344
<b>Civilian labor force, married women, spouse present</b>												
1986	28,427	28,193	28,272	28,278	28,379	28,697	28,866	28,830	28,839	28,925	28,918	28,937
1987	29,056	29,158	29,209	29,341	29,511	29,456	29,522	29,436	29,392	29,446	29,517	29,622
1988	29,610	29,838	29,905	29,847	29,655	29,822	29,889	30,028	30,049	30,088	30,210	30,203
1989	30,618	30,431	30,621	30,817	30,746	30,659	30,684	30,388	30,680	30,777	30,993	30,884
1990	30,973	30,890	30,803	30,838	31,099	30,971	30,970	31,067	31,022	31,011	30,974	31,055
<b>Civilian labor force, women who maintain families</b>												
1986	6,297	6,367	6,408	6,440	6,420	6,436	6,452	6,504	6,559	6,533	6,614	6,575
1987	6,584	6,548	6,598	6,641	6,623	6,678	6,647	6,740	6,736	6,742	6,768	6,726
1988	6,749	6,708	6,687	6,707	6,553	6,638	6,696	6,807	6,775	6,887	6,898	6,952
1989	6,977	6,940	6,832	6,825	6,920	6,928	7,010	6,924	6,934	6,881	6,926	6,895
1990	6,757	6,893	6,899	6,883	6,911	6,995	6,955	6,959	6,966	6,946	6,946	6,970

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Labor force participation rate, including resident Armed Forces, total												
1986	65.3	65.3	65.5	65.4	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
1987	65.7	65.8	65.8	65.8	66.1	65.8	65.9	66.1	65.8	66.1	66.0	66.1
1988	66.1	66.2	66.0	66.1	66.0	66.1	66.2	66.4	66.3	66.3	66.5	66.5
1989	66.7	66.6	66.6	66.7	66.6	66.9	66.8	66.8	66.7	66.8	66.9	66.8
1990	66.8	66.8	66.8	66.8	66.8	66.7	66.6	66.5	66.6	66.5	66.4	66.6
Labor force participation rate, including resident Armed Forces, men												
1986	76.7	76.6	76.7	76.6	76.6	76.7	76.7	76.6	76.8	76.6	76.8	76.8
1987	76.8	76.7	76.6	76.5	76.8	76.5	76.4	76.7	76.5	76.8	76.5	76.6
1988	76.8	76.6	76.4	76.6	76.6	76.6	76.6	76.8	76.6	76.5	76.6	76.5
1989	76.7	76.7	76.7	76.9	76.7	77.1	76.8	76.8	76.6	76.9	76.8	76.8
1990	76.7	76.7	76.7	76.6	76.6	76.4	76.3	76.2	76.5	76.5	76.4	76.5
Labor force participation rate, including resident Armed Forces, women												
1986	54.8	54.9	55.1	55.2	55.3	55.6	55.6	55.6	55.6	55.7	55.6	55.4
1987	55.5	55.7	55.9	55.8	56.2	56.0	56.1	56.3	56.1	56.3	56.3	56.4
1988	56.5	56.6	56.4	56.5	56.2	56.5	56.5	56.7	56.7	56.9	57.1	57.2
1989	57.6	57.2	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.4	57.7	57.6
1990	57.6	57.7	57.8	57.7	57.7	57.7	57.6	57.6	57.5	57.3	57.1	57.3
Civilian labor force participation rate, all civilian workers												
1986	64.9	65.0	65.1	65.1	65.2	65.4	65.4	65.3	65.4	65.4	65.4	65.3
1987	65.4	65.4	65.5	65.4	65.7	65.5	65.6	65.7	65.5	65.7	65.7	65.8
1988	65.8	65.9	65.7	65.8	65.7	65.8	65.9	66.0	66.0	66.0	66.2	66.2
1989	66.4	66.3	66.3	66.4	66.3	66.6	66.5	66.5	66.4	66.5	66.6	66.5
1990	66.5	66.5	66.5	66.5	66.5	66.4	66.3	66.2	66.3	66.2	66.1	66.3
Civilian labor force participation rate, men												
1986	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.1	76.3	76.2	76.4	76.3
1987	76.3	76.3	76.2	76.1	76.4	76.0	76.0	76.3	76.1	76.2	76.1	76.1
1988	76.2	76.2	76.0	76.2	76.2	76.2	76.2	76.4	76.2	76.1	76.2	76.1
1989	76.3	76.3	76.3	76.5	76.3	76.7	76.4	76.5	76.2	76.5	76.4	76.5
1990	76.3	76.3	76.3	76.2	76.2	76.0	75.9	75.8	76.1	76.1	76.1	76.2
Civilian labor force participation rate, women												
1986	54.7	54.8	55.1	55.1	55.2	55.5	55.5	55.6	55.5	55.7	55.5	55.4
1987	55.4	55.6	55.8	55.8	56.1	55.9	56.1	56.2	56.0	56.3	56.3	56.4
1988	56.4	56.5	56.4	56.4	56.1	56.4	56.5	56.6	56.6	56.8	57.1	57.1
1989	57.5	57.1	57.2	57.3	57.3	57.4	57.4	57.4	57.5	57.3	57.8	57.5
1990	57.5	57.6	57.7	57.6	57.7	57.6	57.6	57.5	57.4	57.3	57.0	57.3
Civilian labor force participation rate, both sexes, 16 to 19 years												
1986	53.3	54.6	55.1	55.6	55.2	55.4	54.7	54.6	54.8	54.9	54.2	53.4
1987	54.0	54.8	54.5	54.4	55.4	53.6	54.0	56.0	54.2	55.1	54.5	55.4
1988	55.6	55.2	54.2	54.5	54.3	56.3	56.2	56.2	56.1	55.0	54.8	55.2
1989	55.7	55.1	55.0	55.6	55.6	56.7	55.7	56.7	55.7	56.3	56.6	55.9
1990	55.3	55.1	56.1	55.2	54.6	53.2	52.5	51.3	53.1	53.0	52.4	52.8
Civilian labor force participation rate, men, 16 to 19 years												
1986	54.4	56.2	56.1	57.4	57.4	57.2	56.9	56.6	57.2	56.4	56.0	54.3
1987	55.9	57.1	55.8	55.8	56.3	54.8	54.5	57.7	56.0	56.2	55.4	57.1
1988	57.1	56.1	55.6	56.1	56.3	58.2	58.0	58.1	57.9	56.8	56.7	56.5
1989	57.0	57.2	57.1	57.6	57.3	58.7	57.9	58.9	56.9	58.5	58.0	57.9
1990	57.3	57.0	57.4	57.6	56.7	54.7	53.9	53.0	55.2	55.2	54.6	55.3
Civilian labor force participation rate, women, 16 to 19 years												
1986	52.2	52.9	54.1	53.9	53.1	53.7	52.5	52.6	52.4	53.4	52.4	52.4
1987	52.1	52.5	53.2	53.0	54.4	52.4	53.6	54.3	52.4	53.9	53.7	53.7
1988	54.0	54.2	52.8	52.8	52.2	54.4	54.3	54.2	54.3	53.5	52.8	53.8
1989	54.3	52.9	52.8	53.6	53.8	54.7	53.4	54.4	54.4	54.1	55.1	53.9
1990	53.2	53.2	54.8	52.8	52.5	51.7	51.0	49.5	51.0	50.7	50.1	50.3

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian labor force participation rate, both sexes, 20 years and over</b>												
1986	66.0	65.9	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.4	66.4
1987	66.3	66.4	66.4	66.4	66.6	66.5	66.6	66.6	66.5	66.7	66.7	66.7
1988	66.7	66.8	66.7	66.8	66.8	66.6	68.7	66.9	66.8	66.9	67.1	67.1
1989	67.3	67.2	67.2	67.3	67.2	67.4	67.4	67.3	67.3	67.3	67.4	67.4
1990	67.4	67.4	67.4	67.4	67.5	67.4	67.4	67.4	67.4	67.3	67.2	67.3
<b>Civilian labor force participation rate, men, 20 years and over</b>												
1986	78.3	78.1	78.1	78.0	78.0	78.1	78.1	78.0	78.1	78.0	78.2	78.4
1987	78.2	78.1	78.0	78.0	78.2	78.0	78.0	78.0	77.9	78.0	78.0	77.9
1988	77.9	78.0	77.8	78.0	78.0	77.8	77.9	78.1	77.9	77.9	77.9	77.8
1989	78.0	78.0	78.0	78.1	77.9	78.3	78.1	78.0	77.9	78.1	78.0	78.1
1990	77.9	77.9	77.9	77.8	77.9	77.8	77.7	77.7	77.9	77.8	77.8	77.9
<b>Civilian labor force participation rate, women, 20 years and over</b>												
1986	54.9	55.0	55.1	55.2	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.6
1987	55.7	55.8	56.0	56.0	56.2	56.2	56.3	56.4	56.3	56.5	56.5	56.6
1988	56.6	56.7	56.7	56.7	56.4	56.6	56.6	56.8	56.8	57.1	57.4	57.4
1989	57.7	57.5	57.5	57.6	57.6	57.6	57.8	57.7	57.7	57.6	57.8	57.8
1990	57.9	57.9	57.9	58.0	58.1	58.0	58.0	58.1	57.9	57.7	57.5	57.8
<b>Civilian labor force participation rate, both sexes, 20 to 24 years</b>												
1986	78.5	79.2	79.1	78.6	78.5	78.6	78.8	78.6	79.3	78.9	79.4	79.6
1987	79.8	79.6	79.3	79.0	79.1	78.5	78.9	79.0	78.8	78.4	78.9	78.2
1988	79.5	79.4	78.8	78.8	78.1	78.2	78.4	78.7	78.7	78.7	78.5	78.7
1989	78.8	78.6	78.8	78.9	78.2	79.3	79.5	79.3	78.3	77.9	78.5	77.3
1990	77.8	77.9	77.9	78.3	77.9	77.6	77.6	77.4	77.8	77.6	77.7	77.9
<b>Civilian labor force participation rate, men, 20 to 24 years</b>												
1986	85.8	86.3	86.6	85.4	84.7	85.0	85.7	85.0	86.3	85.9	86.5	87.0
1987	86.1	86.3	85.5	85.5	85.2	84.6	85.4	85.4	85.3	84.5	85.0	83.8
1988	85.3	85.1	85.0	85.2	85.0	84.1	84.7	85.5	85.6	85.1	85.0	84.7
1989	85.4	85.7	85.2	85.1	84.4	85.7	85.1	85.7	85.3	85.2	85.2	84.8
1990	84.5	84.4	84.4	84.9	84.3	84.4	84.2	83.4	84.1	83.9	84.4	84.9
<b>Civilian labor force participation rate, women, 20 to 24 years</b>												
1986	71.6	72.5	72.0	72.2	72.6	72.6	72.3	72.5	72.8	72.4	72.7	72.6
1987	73.8	73.3	73.5	72.9	73.2	72.7	72.7	73.0	72.8	72.6	73.1	73.0
1988	73.9	74.0	73.0	72.8	71.6	72.6	72.4	72.3	72.2	72.6	72.3	72.8
1989	72.6	71.9	72.8	73.1	72.4	73.2	74.3	73.4	71.8	71.0	72.2	70.3
1990	71.5	71.8	71.7	72.0	71.9	71.1	71.3	71.8	71.8	71.7	71.4	71.2
<b>Civilian labor force participation rate, both sexes, 25 years and over</b>												
1986	64.3	64.1	64.3	64.3	64.3	64.6	64.7	64.6	64.6	64.6	64.7	64.6
1987	64.6	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.2	65.1	65.2
1988	65.2	65.2	65.2	65.3	65.2	65.2	65.3	65.5	65.4	65.5	65.7	65.7
1989	66.0	65.9	65.9	66.0	65.9	66.0	66.0	65.9	66.0	66.0	66.1	66.2
1990	66.2	66.2	66.2	66.2	66.2	66.3	66.2	66.3	66.2	66.1	66.0	66.1
<b>Civilian labor force participation rate, men, 25 years and over</b>												
1986	77.2	76.9	77.0	77.0	76.9	77.1	77.0	77.0	77.0	76.9	77.2	77.2
1987	77.2	77.0	77.1	77.0	77.2	77.1	77.0	77.0	77.0	77.1	77.1	77.1
1988	77.0	77.1	76.9	77.2	77.0	77.0	77.0	77.2	76.9	76.9	77.0	77.0
1989	77.2	77.1	77.2	77.3	77.0	77.3	77.2	77.1	77.1	77.1	77.2	77.3
1990	77.3	77.2	77.1	77.0	77.0	77.0	76.9	77.1	77.1	77.1	77.1	77.1
<b>Civilian labor force participation rate, women, 25 years and over</b>												
1986	52.7	52.7	52.9	52.9	53.1	53.5	53.6	53.6	53.6	53.7	53.6	53.4
1987	53.4	53.6	53.8	53.9	54.1	54.1	54.3	54.3	54.2	54.5	54.4	54.6
1988	54.5	54.6	54.7	54.7	54.6	54.7	54.8	55.0	55.0	55.3	55.7	55.6
1989	56.0	55.8	55.7	55.8	55.9	55.8	55.9	55.9	56.1	56.1	56.2	56.4
1990	56.3	56.4	56.3	56.4	56.5	56.6	56.6	56.6	56.4	56.2	56.0	56.2

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 25 to 54 years												
1986	81.7	81.6	81.8	81.8	81.8	82.1	82.1	82.3	82.3	82.3	82.3	82.3
1987	82.2	82.3	82.4	82.5	82.6	82.5	82.6	82.6	82.6	82.7	82.8	82.7
1988	82.6	82.7	82.8	82.8	82.8	82.7	82.9	83.0	82.9	83.0	83.2	83.2
1989	83.4	83.3	83.3	83.3	83.2	83.3	83.4	83.3	83.6	83.5	83.7	83.7
1990	83.6	83.7	83.6	83.5	83.6	83.7	83.7	83.6	83.8	83.4	83.3	83.5
Civilian labor force participation rate, men, 25 to 54 years												
1986	94.0	93.8	93.8	93.7	93.7	93.9	93.8	93.8	93.9	93.7	93.9	93.9
1987	94.0	93.8	93.8	93.7	93.8	93.6	93.7	93.6	93.6	93.7	93.6	93.6
1988	93.5	93.7	93.6	93.8	93.6	93.3	93.5	93.6	93.6	93.5	93.6	93.5
1989	93.7	93.6	93.7	93.7	93.5	93.6	93.6	93.5	93.7	93.8	93.8	93.9
1990	93.7	93.7	93.6	93.5	93.4	93.3	93.3	93.3	93.5	93.5	93.4	93.4
Civilian labor force participation rate, women, 25 to 54 years												
1986	70.1	70.0	70.4	70.5	70.5	70.9	70.9	71.0	71.2	71.5	71.2	71.2
1987	71.0	71.4	71.6	71.7	72.0	71.9	72.0	72.1	72.1	72.2	72.2	72.3
1988	72.2	72.2	72.5	72.3	72.4	72.5	72.6	72.8	72.8	73.0	73.3	73.3
1989	73.6	73.5	73.4	73.5	73.4	73.4	73.5	73.6	73.9	73.7	74.0	74.0
1990	74.0	74.0	74.0	74.0	74.2	74.4	74.4	74.3	74.0	73.8	73.6	73.9
Civilian labor force participation rate, both sexes, 25 to 34 years												
1986	82.6	82.5	82.9	82.9	82.7	83.0	82.9	82.8	83.1	83.0	83.4	83.1
1987	82.9	83.1	83.2	83.4	83.3	83.3	83.5	83.4	83.3	83.4	83.4	83.5
1988	83.3	83.4	83.3	83.4	83.3	83.2	83.2	83.2	83.2	83.3	83.4	83.8
1989	83.7	83.6	83.5	83.6	83.5	83.6	83.8	83.5	84.4	84.0	84.2	84.2
1990	84.1	84.1	84.0	84.0	84.0	83.7	83.5	83.5	83.6	83.5	83.3	83.8
Civilian labor force participation rate, men, 25 to 34 years												
1986	94.9	94.7	94.7	94.6	94.3	94.6	94.5	94.4	94.7	94.2	94.9	94.8
1987	94.8	94.6	94.5	94.5	94.7	94.6	94.6	94.3	94.3	94.6	94.6	94.7
1988	94.6	94.5	94.3	94.4	94.0	93.7	94.1	94.0	94.3	94.5	94.5	94.5
1989	94.6	94.4	94.5	94.5	94.2	94.3	94.3	94.1	94.6	94.4	94.7	94.6
1990	94.6	94.6	94.5	94.4	94.3	93.8	93.8	93.8	94.1	94.0	94.1	94.3
Civilian labor force participation rate, women, 25 to 34 years												
1986	70.7	70.8	71.4	71.6	71.5	71.8	71.7	71.7	72.0	72.2	72.3	71.8
1987	71.4	71.9	72.3	72.6	72.3	72.3	72.7	72.8	72.6	72.5	72.7	72.8
1988	72.3	72.6	72.8	72.7	72.9	73.0	72.6	72.7	72.5	72.6	72.7	73.1
1989	73.1	73.2	72.9	73.1	73.0	73.1	73.6	73.3	74.4	74.0	74.1	74.0
1990	74.0	74.0	73.9	73.8	73.9	73.9	73.6	73.5	73.4	73.3	72.9	73.6
Civilian labor force participation rate, both sexes, 35 to 44 years												
1988	83.2	83.1	83.3	83.4	83.5	83.7	83.9	84.0	84.1	84.1	83.7	84.0
1987	84.3	84.3	84.3	84.2	84.4	84.1	84.3	84.3	84.5	84.5	84.2	84.2
1988	84.2	84.1	84.5	84.5	84.4	84.4	84.7	84.9	84.8	84.9	85.2	84.8
1989	85.2	85.2	85.1	84.9	85.0	85.0	85.0	85.1	84.8	84.9	84.9	85.3
1990	85.2	85.5	85.4	85.3	85.4	85.5	85.6	85.4	85.2	85.0	85.0	84.9
Civilian labor force participation rate, men, 35 to 44 years												
1988	94.9	94.5	94.6	94.7	94.6	94.9	94.9	94.9	94.9	94.9	94.6	94.7
1987	95.3	94.9	94.7	94.5	94.4	94.3	94.7	94.6	94.7	94.6	94.3	94.2
1988	94.1	94.1	94.3	94.5	94.7	94.5	94.8	95.1	94.7	94.5	94.5	94.3
1989	94.4	94.6	94.6	94.3	94.5	94.5	94.6	94.3	94.5	94.4	94.4	94.7
1990	94.5	94.7	94.7	94.5	94.6	94.5	94.4	94.2	94.3	94.3	94.5	94.3
Civilian labor force participation rate, women, 35 to 44 years												
1986	72.2	72.3	72.6	72.7	73.0	73.1	73.3	73.7	73.8	73.8	73.2	73.7
1987	73.7	74.2	74.4	74.5	74.9	74.4	74.5	74.5	74.8	74.9	74.6	74.6
1988	74.8	74.5	75.1	74.9	74.5	74.8	75.1	75.2	75.4	75.6	76.2	75.7
1989	76.4	76.2	76.0	75.8	76.0	75.9	75.9	76.3	75.6	75.8	75.7	76.3
1990	76.3	76.6	76.5	76.5	76.6	76.8	77.2	77.0	76.4	76.0	75.9	75.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 45 to 54 years												
1986	78.1	77.8	77.7	77.7	77.7	78.2	78.2	78.0	78.2	78.4	78.2	78.3
1987	78.0	78.2	78.3	78.2	78.7	78.6	78.6	78.6	78.7	78.8	78.8	79.1
1988	79.1	79.4	79.3	79.4	79.5	79.2	79.6	79.8	79.7	79.7	80.1	80.1
1989	80.5	80.2	80.2	80.6	80.3	80.3	80.1	80.5	80.5	80.7	80.9	80.8
1990	80.4	80.2	80.1	80.2	80.4	80.9	81.0	80.9	81.2	81.1	80.8	80.9
Civilian labor force participation rate, men, 45 to 54 years												
1986	91.0	91.0	90.9	90.9	91.1	91.1	91.1	91.0	91.1	90.9	90.8	90.9
1987	90.6	90.8	91.0	90.9	91.0	90.7	90.6	90.6	90.8	90.7	90.6	90.7
1988	90.8	91.4	91.3	91.5	91.2	90.8	90.7	90.7	90.7	90.2	90.8	90.7
1989	91.0	90.7	90.7	91.2	90.8	90.9	91.0	91.4	91.0	91.7	91.3	91.4
1990	90.8	90.8	90.4	90.2	90.2	90.6	90.7	90.9	91.3	91.4	90.7	90.6
Civilian labor force participation rate, women, 45 to 54 years												
1986	66.0	65.4	65.4	65.3	65.2	66.1	66.1	65.9	66.1	66.8	66.4	66.6
1987	66.1	66.4	66.4	66.4	67.2	67.3	67.3	67.4	67.3	67.7	67.7	68.2
1988	68.2	66.2	68.0	66.0	68.5	68.3	69.2	69.6	69.5	69.8	70.0	70.1
1989	70.6	70.3	70.4	70.7	70.4	70.4	69.9	70.2	70.6	70.4	71.1	70.7
1990	70.6	70.3	70.4	70.7	71.1	71.8	71.8	71.6	71.6	71.3	71.4	71.6
Civilian labor force participation rate, both sexes, 55 years and over												
1986	30.3	29.9	30.0	30.0	30.1	30.4	30.4	30.3	30.0	29.9	30.0	29.8
1987	29.9	29.7	29.9	29.8	30.1	30.1	30.0	30.0	30.0	30.2	30.3	30.2
1988	30.0	30.1	29.9	30.1	29.8	29.9	29.8	30.0	30.0	30.1	30.3	30.2
1989	30.5	30.2	30.4	30.4	30.4	30.5	30.4	30.0	30.1	30.1	30.2	30.3
1990	30.2	30.3	30.3	30.2	30.3	30.2	30.2	30.4	30.4	30.1	30.0	30.1
Civilian labor force participation rate, men, 55 years and over												
1986	41.0	40.3	40.5	40.5	40.6	40.6	40.4	40.1	40.1	40.2	40.3	40.6
1987	40.3	40.1	40.5	40.3	40.7	40.5	40.2	40.1	40.2	40.5	40.6	40.5
1988	40.1	40.2	39.9	40.0	39.9	40.0	39.8	40.0	39.7	39.7	39.5	39.7
1989	39.7	39.8	39.9	40.1	39.6	39.9	39.9	39.2	39.2	39.3	39.2	39.4
1990	39.4	39.3	39.3	39.2	39.3	39.2	39.3	39.5	39.6	39.3	39.3	39.4
Civilian labor force participation rate, women, 55 years and over												
1986	21.9	21.9	21.9	21.8	22.0	22.5	22.7	22.7	22.2	21.8	21.9	21.4
1987	21.8	21.6	21.7	21.6	21.8	22.0	22.1	22.2	22.0	22.3	22.2	22.2
1988	22.2	22.3	22.1	22.5	22.0	22.0	21.9	22.2	22.4	22.5	23.1	22.8
1989	23.2	22.8	22.9	22.8	23.2	23.1	23.0	22.8	23.0	22.9	23.1	23.2
1990	23.0	23.2	23.2	23.2	23.2	23.1	23.0	23.2	23.1	22.9	22.7	22.8
Civilian labor force participation rate, both sexes, 55 to 64 years												
1986	53.7	53.3	53.7	53.7	54.0	54.6	54.6	54.6	54.1	54.1	54.1	53.8
1987	54.3	53.9	54.2	54.3	54.6	54.5	54.3	54.1	54.3	54.8	54.8	54.7
1988	54.5	54.7	54.4	54.9	54.3	54.2	54.2	54.6	54.7	54.7	54.6	55.0
1989	55.5	55.1	55.5	55.6	55.4	56.0	55.7	55.1	55.4	55.3	55.8	55.9
1990	55.6	55.7	55.7	55.5	55.7	55.8	56.1	56.1	56.1	56.1	55.8	56.2
Civilian labor force participation rate, men, 55 to 64 years												
1986	67.1	66.2	66.9	67.1	67.5	67.5	67.3	67.2	67.4	67.6	67.6	67.9
1987	67.6	67.4	68.0	67.8	66.2	67.6	67.5	66.6	67.3	67.6	67.8	67.5
1988	67.5	67.6	67.3	67.6	67.3	66.7	66.8	67.2	66.7	66.6	66.2	66.7
1989	66.8	66.9	67.4	67.6	67.2	67.9	67.7	66.7	67.3	66.9	67.3	67.1
1990	66.9	66.9	67.2	67.1	67.3	67.8	67.8	67.9	68.4	68.3	68.3	68.6
Civilian labor force participation rate, women, 55 to 64 years												
1986	41.8	41.9	41.9	41.8	42.1	43.2	43.4	43.5	42.3	42.1	42.2	41.4
1987	42.2	41.8	41.8	42.3	42.6	42.9	42.5	42.9	42.6	43.5	43.2	43.4
1988	42.9	43.1	42.9	43.6	42.7	43.0	43.0	43.5	44.0	44.1	44.3	44.5
1989	45.3	44.5	45.0	44.8	45.0	45.3	45.1	44.7	44.9	45.0	45.5	45.8
1990	45.5	45.7	45.5	45.2	45.4	45.1	45.6	45.6	45.2	45.1	44.5	45.0



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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 65 years and over												
1986	11.2	11.0	10.9	10.9	11.0	11.1	11.1	10.9	10.9	10.6	10.9	10.9
1987	10.8	10.7	10.9	10.6	10.9	11.1	11.3	11.5	11.2	11.3	11.4	11.5
1988	11.4	11.4	11.3	11.4	11.3	11.5	11.3	11.3	11.4	11.5	12.1	11.8
1989	11.8	11.8	11.8	11.9	12.1	11.7	11.9	11.7	11.5	11.7	11.8	11.9
1990	11.9	11.9	12.0	12.1	12.1	11.9	11.8	12.0	12.0	11.6	11.7	11.6
Civilian labor force participation rate, men, 65 years and over												
1988	16.7	18.3	16.2	16.1	16.0	16.1	15.9	15.6	15.5	15.3	15.8	16.1
1987	15.8	15.7	16.0	15.9	16.3	16.5	16.2	16.8	16.4	16.7	16.8	16.9
1988	16.2	16.4	16.2	16.2	16.4	17.0	16.8	16.6	16.5	16.7	16.8	16.8
1989	16.8	17.0	16.9	17.2	16.7	16.8	16.7	16.4	15.9	16.5	16.1	16.8
1990	16.9	16.8	16.8	16.6	16.8	16.2	16.3	16.6	16.4	15.9	15.8	16.0
Civilian labor force participation rate, women, 65 years and over												
1986	7.3	7.2	7.2	7.3	7.4	7.6	7.7	7.7	7.7	7.3	7.4	7.2
1987	7.4	7.3	7.4	7.0	7.2	7.4	7.8	7.7	7.5	7.5	7.5	7.6
1988	7.9	7.9	7.9	8.0	7.7	7.7	7.5	7.6	7.7	7.9	8.8	8.2
1989	8.2	8.2	8.2	8.2	8.7	8.2	8.4	8.3	8.5	8.4	8.3	8.5
1990	8.3	8.5	8.6	8.8	8.8	8.9	8.5	8.7	8.9	8.6	8.7	8.5
Civilian labor force participation rate, white workers												
1986	65.2	65.2	65.3	65.3	65.3	65.7	65.6	65.6	65.7	65.7	65.7	65.7
1987	65.6	65.7	65.7	65.7	66.0	65.7	65.7	65.9	65.8	66.0	65.9	66.0
1988	66.0	66.2	66.0	66.1	66.0	66.2	66.1	66.3	66.3	66.3	66.5	66.5
1989	66.8	66.5	66.6	66.8	66.6	66.8	66.7	66.8	66.6	66.8	66.9	66.9
1990	66.9	66.9	66.9	66.9	66.9	66.8	66.8	66.7	66.9	66.7	66.6	66.8
Civilian labor force participation rate, white men												
1986	76.9	76.9	76.9	76.8	76.8	77.0	76.9	76.8	77.0	76.9	77.1	77.1
1987	77.0	77.0	76.9	76.7	77.0	76.8	76.6	76.8	76.7	76.9	76.8	76.9
1988	76.9	76.8	76.7	76.8	76.8	76.9	76.9	77.1	77.0	76.9	77.0	76.9
1989	77.1	77.0	77.1	77.2	76.9	77.3	77.1	77.2	78.9	77.2	77.2	77.2
1990	77.2	77.1	77.1	77.0	76.9	76.8	76.7	76.7	76.9	78.9	76.9	77.0
Civilian labor force participation rate, white women												
1986	54.4	54.6	54.7	54.7	54.9	55.2	55.3	55.4	55.3	55.4	55.2	55.1
1987	55.2	55.3	55.4	55.5	55.9	55.6	55.7	55.9	55.7	55.9	55.9	56.0
1988	56.1	56.3	56.1	56.3	56.1	56.4	56.1	56.5	56.8	56.8	56.9	56.9
1989	57.2	56.9	56.9	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.4	57.4
1990	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.5	57.5	57.4	57.0	57.4
Civilian labor force participation rate, white workers, 16 to 19 years												
1986	56.3	57.7	57.9	58.2	58.1	58.3	57.3	57.8	58.0	58.4	58.1	57.1
1987	57.5	58.0	57.7	57.5	58.9	56.9	56.9	58.4	57.1	57.9	57.7	58.6
1988	59.2	58.5	57.5	58.0	57.3	60.1	59.0	59.1	59.4	58.3	58.5	58.7
1989	59.5	57.9	58.4	58.8	58.8	59.5	58.2	60.0	58.6	59.4	59.9	58.7
1990	58.7	58.8	59.4	58.6	58.2	56.8	56.4	54.9	57.1	58.9	58.3	57.0
Civilian labor force participation rate, white men, 16 to 19 years												
1986	57.6	58.8	58.5	59.7	59.7	60.2	59.3	59.4	60.4	59.8	59.9	57.8
1987	59.3	60.1	59.0	58.5	59.5	58.0	57.2	59.4	58.7	59.1	58.5	60.3
1988	60.9	59.2	59.3	59.2	58.5	61.3	60.6	60.6	60.7	59.3	60.4	60.3
1989	60.9	59.6	60.6	60.7	60.7	61.2	60.8	62.3	60.2	61.5	61.4	60.5
1990	60.9	60.6	60.6	60.9	60.1	58.6	58.3	56.7	59.0	59.2	58.8	59.4
Civilian labor force participation rate, white women, 16 to 19 years												
1986	55.0	56.7	57.3	58.7	56.5	56.3	55.3	56.2	55.6	56.9	56.3	56.3
1987	55.8	55.8	56.4	56.6	58.2	55.7	56.5	57.3	55.4	56.6	56.8	57.0
1988	57.5	57.8	55.6	56.8	56.1	58.8	57.4	57.5	58.0	57.3	58.5	57.1
1989	58.1	56.2	56.1	57.0	56.8	57.8	55.7	57.8	57.0	57.3	58.4	58.9
1990	56.5	57.0	56.1	56.3	56.3	55.0	54.6	53.1	55.2	54.5	53.8	54.5

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, white workers, 20 years and over												
1986	65.9	65.9	65.9	65.9	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.4
1987	66.3	66.3	66.3	66.3	66.6	66.5	66.5	66.5	66.5	66.6	66.6	66.6
1988	66.6	66.8	66.7	66.8	66.7	66.7	66.7	66.9	66.9	67.0	67.2	67.1
1989	67.4	67.2	67.3	67.4	67.2	67.4	67.4	67.3	67.3	67.4	67.5	67.5
1990	67.5	67.5	67.5	67.5	67.5	67.6	67.8	67.6	67.6	67.5	67.3	67.5
Civilian labor force participation rate, white men, 20 years and over												
1988	78.6	78.5	78.5	78.3	78.3	78.5	78.4	78.3	78.5	78.4	78.6	78.8
1987	78.6	78.5	78.4	78.3	78.5	78.4	78.3	78.3	78.2	78.4	78.4	78.3
1988	78.2	78.4	78.2	78.3	78.3	78.2	78.3	78.5	78.3	78.3	78.4	78.3
1989	78.5	78.5	78.5	78.6	78.3	78.6	78.5	78.4	78.3	78.5	78.5	78.6
1990	78.5	78.4	78.4	78.3	78.3	78.2	78.2	78.3	78.3	78.3	78.3	78.3
Civilian labor force participation rate, white women, 20 years and over												
1986	54.4	54.4	54.5	54.5	54.7	55.2	55.3	55.3	55.2	55.3	55.1	55.1
1987	55.1	55.2	55.3	55.4	55.7	55.6	55.7	55.8	55.7	55.9	55.8	55.9
1988	56.0	56.2	56.1	56.3	56.1	56.2	56.0	56.4	56.4	56.6	56.9	56.9
1989	57.2	56.9	57.0	57.1	57.1	57.1	57.2	57.1	57.2	57.2	57.4	57.4
1990	57.4	57.5	57.5	57.6	57.7	57.8	57.8	57.8	57.7	57.8	57.2	57.6
Civilian labor force participation rate, black workers												
1986	63.1	62.9	63.5	63.9	64.0	64.0	63.1	62.5	63.2	63.4	63.2	62.9
1987	63.2	63.6	63.5	63.1	63.6	63.6	64.1	64.5	63.8	64.3	64.3	64.2
1988	64.1	63.8	63.5	63.6	63.5	63.1	64.2	64.0	63.6	64.0	64.0	64.2
1989	64.4	64.4	64.0	63.5	64.0	64.6	64.5	64.1	64.1	64.0	64.2	63.8
1990	63.9	63.5	63.8	63.8	63.8	63.4	62.9	62.8	63.1	63.1	63.3	62.9
Civilian labor force participation rate, black men												
1988	71.3	71.0	71.8	71.6	72.0	71.9	71.3	70.0	70.9	71.1	70.7	70.8
1987	71.0	71.0	70.8	70.6	71.1	70.8	71.5	71.9	70.9	70.8	71.1	70.9
1988	71.0	71.2	70.5	71.3	71.3	70.8	70.8	71.3	70.7	71.2	70.8	70.9
1989	71.2	71.5	71.0	70.4	70.6	71.6	71.1	70.9	70.6	70.7	70.8	70.8
1990	70.3	69.9	70.2	70.1	69.9	70.2	69.9	69.5	70.3	70.4	70.5	70.3
Civilian labor force participation rate, black women												
1986	56.5	56.4	57.0	57.7	57.4	57.5	56.4	56.4	57.0	57.1	57.1	56.5
1987	56.9	57.7	57.5	57.0	57.4	57.7	58.1	58.6	58.1	59.1	58.7	58.7
1988	58.5	57.8	57.8	57.4	57.1	58.8	58.8	58.1	57.9	58.1	58.5	58.8
1989	58.9	58.7	58.3	57.9	58.7	59.0	59.2	58.5	58.9	58.4	58.8	58.0
1990	58.6	58.4	58.7	58.6	58.9	57.8	57.2	57.3	57.2	57.2	57.4	56.9
Civilian labor force participation rate, black workers, 16 to 19 years												
1986	42.2	41.8	43.8	44.1	43.4	44.0	39.7	38.1	40.7	40.6	38.5	38.9
1987	40.5	41.4	40.1	39.9	40.1	39.9	40.1	45.1	42.3	43.6	42.5	42.6
1988	40.7	39.8	38.3	38.4	41.7	39.4	42.7	42.7	42.1	41.1	41.0	41.1
1989	41.0	42.9	40.2	40.7	41.8	44.8	44.8	42.4	41.9	42.8	43.3	44.1
1990	42.6	39.1	41.1	40.3	38.9	37.9	36.3	38.6	37.0	38.0	38.9	36.9
Civilian labor force participation rate, black men, 16 to 19 years												
1986	44.0	45.2	46.0	45.8	48.2	44.9	43.5	41.0	42.6	41.8	39.0	41.1
1987	44.2	42.9	42.1	42.3	41.3	40.9	42.6	49.3	43.2	43.9	44.4	44.7
1988	43.1	40.0	38.4	40.7	46.1	44.6	46.6	45.5	44.7	48.1	44.5	43.3
1989	43.5	46.5	42.5	41.3	41.0	50.4	47.8	46.3	40.7	44.6	45.7	47.1
1990	45.0	41.2	43.6	42.3	40.5	39.2	38.0	37.9	40.2	39.7	40.5	38.9
Civilian labor force participation rate, black women, 16 to 19 years												
1986	40.4	38.4	41.6	42.5	38.8	43.1	36.2	35.4	38.8	39.4	38.0	36.9
1987	36.9	40.0	38.3	37.6	39.0	38.9	37.6	41.0	41.5	43.4	40.7	40.8
1988	38.4	39.5	38.3	36.1	37.3	34.4	38.9	40.0	39.5	36.2	37.5	39.1
1989	38.5	39.3	37.9	40.2	42.6	39.0	42.0	38.6	43.1	40.6	40.9	41.2
1990	40.3	36.9	38.7	38.3	37.3	36.6	34.7	35.3	33.9	36.3	37.2	35.0

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, black workers, 20 years and over												
1986	65.6	65.5	65.9	66.3	66.4	66.3	65.9	65.4	65.9	66.1	66.1	65.7
1987	65.9	66.3	66.2	65.9	66.4	66.4	67.0	66.9	66.4	66.8	66.9	66.8
1988	66.8	66.7	66.5	66.6	66.0	65.9	66.7	66.5	66.2	66.7	66.7	66.9
1989	67.2	66.9	66.8	66.2	66.6	67.0	66.8	66.6	66.7	66.4	66.6	66.0
1990	66.3	66.4	66.4	66.4	66.6	66.2	65.9	65.7	66.0	65.9	66.0	65.7
Civilian labor force participation rate, black men, 20 years and over												
1986	74.9	74.4	75.0	75.0	75.2	75.5	75.0	73.9	74.6	75.0	74.9	74.7
1987	74.5	74.7	74.6	74.4	75.1	74.8	75.3	74.9	74.5	74.4	74.7	74.4
1988	74.6	75.3	74.8	75.3	74.6	74.2	73.9	74.7	74.1	74.5	74.2	74.5
1989	74.8	74.7	74.7	74.1	74.4	74.3	74.1	74.1	74.5	74.1	74.1	73.8
1990	73.5	73.6	73.5	73.6	73.6	74.1	73.9	73.4	74.1	74.1	74.3	74.1
Civilian labor force participation rate, black women, 20 years and over												
1986	58.2	58.4	58.7	59.4	59.5	59.1	58.6	58.7	58.9	59.0	59.2	58.6
1987	59.1	59.6	59.6	59.1	59.4	59.8	60.3	60.5	59.9	60.7	60.7	60.7
1988	60.6	59.8	59.9	59.7	59.2	59.2	61.0	60.0	59.8	60.4	60.7	60.9
1989	61.0	60.7	60.5	59.8	60.4	61.1	61.0	60.6	60.5	60.3	60.6	59.8
1990	60.5	60.6	60.7	60.6	61.1	59.9	59.5	59.6	59.5	59.3	59.4	59.0
Civilian labor force participation rate, Hispanic-origin workers												
1986	64.0	64.7	64.9	65.0	64.8	65.6	66.0	65.7	66.0	65.9	65.7	66.4
1987	66.5	66.2	66.0	66.4	66.6	65.8	65.5	66.1	66.2	66.7	67.1	67.1
1988	67.9	66.4	66.8	66.8	66.5	67.7	67.2	66.8	67.7	67.7	68.0	67.6
1989	68.3	67.8	67.4	67.8	67.9	67.3	67.9	67.3	67.2	67.1	67.6	67.8
1990	67.4	66.9	67.6	67.6	67.6	67.4	67.3	67.3	66.9	66.4	65.6	65.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total employed, including resident Armed Forces, total												
1986	110,578	110,171	110,530	110,647	110,778	111,256	111,482	111,712	111,801	112,022	112,226	112,478
1987	112,716	112,996	113,146	113,525	114,140	113,927	114,318	114,788	114,662	115,052	115,295	115,807
1988	115,798	115,984	115,774	116,385	115,971	116,597	116,885	116,923	117,098	117,358	117,768	117,877
1989	118,404	118,484	118,666	118,773	118,738	119,066	119,079	119,253	119,119	119,328	119,624	119,657
1990	119,642	119,752	119,904	119,747	119,916	119,867	119,509	119,330	119,464	119,303	119,001	119,191
Total employed, including resident Armed Forces, men												
1986	62,395	62,088	62,188	62,246	62,184	62,321	62,369	62,474	62,560	62,618	62,872	63,025
1987	63,185	63,246	63,223	63,375	63,598	63,456	63,641	63,869	63,974	64,106	64,227	64,335
1988	64,429	64,557	64,287	64,843	64,658	64,643	64,917	64,963	65,072	65,017	65,155	65,129
1989	65,330	65,519	65,756	65,734	65,703	66,050	65,982	65,975	65,667	66,039	66,008	66,130
1990	66,013	66,086	66,104	66,035	66,061	65,984	65,728	65,663	65,853	65,822	65,790	65,781
Total employed, including resident Armed Forces, women												
1986	48,183	48,083	48,342	48,401	48,592	48,935	49,113	49,238	49,241	49,404	49,354	49,453
1987	49,531	49,750	49,923	50,150	50,542	50,471	50,675	50,899	50,688	50,946	51,068	51,272
1988	51,367	51,427	51,487	51,542	51,313	51,754	51,788	51,960	52,026	52,341	52,613	52,748
1989	53,074	52,985	52,930	53,039	53,035	53,016	53,097	53,278	53,452	53,289	53,616	53,527
1990	53,629	53,686	53,800	53,712	53,855	53,903	53,781	53,867	53,631	53,481	53,211	53,410
Employed, all civilian workers												
1986	108,687	108,480	108,637	108,952	109,089	109,576	109,810	110,015	110,085	110,273	110,475	110,728
1987	110,968	111,256	111,410	111,790	112,414	112,209	112,596	113,032	112,919	113,311	113,540	113,657
1988	114,047	114,248	114,036	114,653	114,257	114,912	115,012	115,231	115,394	115,671	116,063	116,181
1989	116,706	116,800	117,002	117,089	117,065	117,400	117,413	117,565	117,417	117,619	117,920	117,957
1990	117,945	118,074	118,235	118,090	118,277	118,237	117,882	117,690	117,883	117,733	117,386	117,574
Employed men												
1986	60,856	60,549	60,648	60,705	60,651	60,796	60,851	60,933	61,000	61,028	61,260	61,432
1987	61,594	61,662	61,648	61,800	62,032	61,897	62,080	62,294	62,393	62,526	62,634	62,746
1988	62,641	62,980	62,714	63,274	63,105	63,320	63,405	63,434	63,532	63,491	63,613	63,585
1989	63,798	63,998	64,235	64,213	64,192	64,549	64,483	64,456	64,136	64,506	64,479	64,605
1990	64,490	64,580	64,607	64,536	64,589	64,499	64,286	64,168	64,412	64,408	64,337	64,327
Employed women												
1986	48,031	47,931	48,189	48,247	48,438	48,780	48,959	49,082	49,085	49,245	49,195	49,296
1987	49,374	49,584	49,762	49,990	50,382	50,312	50,516	50,738	50,526	50,785	50,906	51,111
1988	51,206	51,266	51,324	51,379	51,152	51,592	51,607	51,797	51,862	52,180	52,450	52,586
1989	52,910	52,802	52,767	52,876	52,873	52,851	52,930	53,109	53,281	53,113	53,441	53,352
1990	53,455	53,494	53,628	53,554	53,688	53,738	53,618	53,502	53,471	53,325	53,049	53,247
Employed both sexes, 16 to 19 years												
1986	6,306	6,407	6,524	6,513	6,513	6,484	6,459	6,492	6,483	6,567	6,464	6,411
1987	6,478	6,544	6,512	6,558	6,674	6,550	6,638	6,699	6,655	6,680	6,677	6,801
1988	6,821	6,799	6,561	6,684	6,702	7,018	6,926	6,884	6,874	6,762	6,821	6,803
1989	6,719	6,732	6,755	6,783	6,722	6,779	6,742	6,857	6,695	6,769	6,783	6,678
1990	6,821	6,574	6,665	6,514	6,388	6,268	6,083	5,867	6,131	6,065	5,973	5,997
Employed men, 16 to 19 years												
1986	3,219	3,280	3,295	3,347	3,364	3,325	3,337	3,336	3,370	3,368	3,339	3,247
1987	3,330	3,393	3,300	3,312	3,331	3,339	3,353	3,487	3,424	3,432	3,391	3,471
1988	3,500	3,460	3,339	3,455	3,482	3,595	3,531	3,566	3,530	3,431	3,532	3,474
1989	3,355	3,432	3,481	3,475	3,421	3,518	3,553	3,586	3,428	3,492	3,444	3,456
1990	3,431	3,420	3,405	3,384	3,313	3,205	3,104	3,014	3,164	3,163	3,120	3,139
Employed women, 16 to 19 years												
1986	3,067	3,127	3,229	3,166	3,149	3,159	3,122	3,156	3,113	3,199	3,125	3,164
1987	3,148	3,151	3,212	3,246	3,343	3,211	3,285	3,412	3,231	3,248	3,286	3,330
1988	3,321	3,339	3,242	3,229	3,220	3,421	3,395	3,318	3,344	3,331	3,289	3,329
1989	3,364	3,300	3,274	3,308	3,301	3,261	3,189	3,291	3,269	3,277	3,319	3,220
1990	3,190	3,154	3,260	3,130	3,075	3,063	2,979	2,853	2,967	2,902	2,853	2,858

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 20 years and over												
1986	102,581	102,073	102,313	102,439	102,576	103,092	103,351	103,523	103,602	103,706	104,011	104,317
1987	104,490	104,712	104,898	105,232	105,740	105,659	105,958	106,133	106,264	106,631	106,863	107,056
1988	107,226	107,449	107,457	107,969	107,555	107,896	108,086	108,347	108,520	108,909	109,242	109,378
1989	109,989	110,068	110,247	110,306	110,343	110,621	110,671	110,708	110,722	110,850	111,157	111,281
1990	111,324	111,500	111,570	111,576	111,889	111,969	111,799	111,823	111,752	111,668	111,413	111,577
Employed men, 20 years and over												
1986	57,637	57,269	57,353	57,358	57,287	57,471	57,514	57,597	57,630	57,660	57,941	58,185
1987	58,264	58,269	58,348	58,488	58,701	58,558	58,727	58,807	58,969	59,094	59,243	59,275
1988	59,341	59,520	59,375	59,819	59,623	59,725	59,874	59,868	60,002	60,060	60,081	60,121
1989	60,443	60,566	60,754	60,738	60,771	61,031	60,930	60,890	60,710	61,014	61,035	61,149
1990	61,059	61,160	61,202	61,152	61,276	61,294	61,162	61,174	61,248	61,245	61,217	61,188
Employed women, 20 years and over												
1986	44,944	44,804	44,960	45,081	45,289	45,621	45,837	45,926	45,972	46,046	46,070	46,132
1987	46,226	46,443	46,550	46,744	47,039	47,101	47,231	47,326	47,295	47,537	47,620	47,781
1988	47,885	47,929	48,082	48,150	47,932	48,171	48,212	48,479	48,518	48,849	49,161	49,257
1989	49,546	49,502	49,493	49,568	49,572	49,590	49,741	49,818	50,012	49,836	50,122	50,132
1990	50,265	50,340	50,368	50,424	50,613	50,675	50,637	50,649	50,504	50,423	50,196	50,389
Employed both sexes, 20 to 24 years												
1986	13,951	13,978	13,933	13,809	13,710	13,780	13,768	13,702	13,705	13,698	13,811	13,688
1987	13,727	13,662	13,636	13,580	13,576	13,412	13,501	13,525	13,490	13,435	13,445	13,358
1988	13,487	13,440	13,307	13,323	13,126	13,249	13,204	13,228	13,239	13,174	13,111	13,101
1989	13,054	13,098	13,157	13,086	13,018	13,070	13,067	13,018	12,825	12,735	12,756	12,598
1990	12,678	12,666	12,715	12,649	12,673	12,666	12,649	12,572	12,553	12,512	12,545	12,575
Employed men, 20 to 24 years												
1986	7,400	7,406	7,359	7,225	7,155	7,224	7,240	7,191	7,169	7,237	7,232	7,214
1987	7,178	7,143	7,123	7,110	7,084	6,968	7,067	7,071	7,074	6,999	6,999	6,943
1988	6,964	6,966	6,947	6,962	6,903	6,917	6,906	6,923	6,957	6,878	6,890	6,842
1989	6,852	6,931	6,940	6,881	6,812	6,839	6,748	6,754	6,681	6,731	6,689	6,658
1990	6,643	6,639	6,657	6,622	6,656	6,661	6,874	6,599	6,598	6,549	6,575	6,619
Employed women, 20 to 24 years												
1986	6,551	6,572	6,574	6,584	6,555	6,556	6,528	6,511	6,536	6,461	6,579	6,474
1987	6,549	6,519	6,513	6,470	6,492	6,444	6,434	6,454	6,416	6,436	6,446	6,415
1988	6,523	6,474	6,360	6,361	6,223	6,332	6,298	6,305	6,282	6,296	6,221	6,259
1989	6,202	6,167	6,217	6,205	6,206	6,231	6,319	6,264	6,144	6,004	6,067	5,940
1990	6,035	6,027	6,058	6,027	6,017	6,005	5,975	5,973	5,957	5,963	5,970	5,956
Employed both sexes, 25 years and over												
1986	88,641	88,103	88,438	88,612	88,837	89,336	89,639	89,812	89,881	89,956	90,211	90,594
1987	90,796	91,061	91,306	91,625	92,128	92,252	92,526	92,620	92,778	93,150	93,416	93,650
1988	93,780	94,000	94,166	94,613	94,393	94,642	94,954	95,153	95,298	95,709	96,123	96,227
1989	96,973	96,949	97,082	97,176	97,291	97,561	97,882	97,737	97,918	98,105	98,385	98,621
1990	98,671	98,793	98,825	98,871	99,172	99,336	99,247	99,320	99,212	99,160	98,847	98,937
Employed men, 25 years and over												
1986	50,240	49,877	50,043	50,123	50,106	50,251	50,276	50,419	50,452	50,373	50,729	50,977
1987	51,103	51,144	51,261	51,366	51,578	51,585	51,671	51,760	51,901	52,051	52,254	52,327
1988	52,400	52,559	52,446	52,847	52,684	52,791	52,983	52,973	53,064	53,150	53,194	53,270
1989	53,622	53,637	53,817	53,847	53,928	54,185	54,200	54,167	54,051	54,263	54,345	54,469
1990	54,438	54,504	54,534	54,517	54,591	54,634	54,508	54,604	54,670	54,687	54,637	54,546
Employed women, 25 years and over												
1986	38,401	38,226	38,395	38,489	38,731	39,085	39,363	39,393	39,429	39,583	39,482	39,617
1987	39,693	39,917	40,045	40,259	40,550	40,667	40,855	40,880	40,877	41,099	41,162	41,323
1988	41,380	41,441	41,720	41,766	41,709	41,851	41,971	42,180	42,234	42,559	42,929	42,957
1989	43,351	43,312	43,265	43,329	43,363	43,376	43,482	43,570	43,867	43,842	44,040	44,152
1990	44,233	44,289	44,291	44,354	44,581	44,702	44,739	44,716	44,542	44,473	44,210	44,391

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed both sexes, 25 to 54 years</b>												
1986 .....	74,291	73,929	74,215	74,363	74,424	74,855	75,115	75,395	75,642	75,767	75,874	76,289
1987 .....	76,326	76,656	76,916	77,287	77,640	77,702	77,969	78,118	78,382	78,520	78,767	78,976
1988 .....	79,133	79,318	79,618	79,933	79,928	80,049	80,418	80,560	80,749	81,015	81,290	81,466
1989 .....	81,965	82,114	82,201	82,248	82,390	82,638	82,772	82,975	83,230	83,295	83,606	83,764
1990 .....	83,723	83,913	83,980	84,004	84,256	84,366	84,336	84,328	84,322	84,325	84,075	84,070
<b>Employed men, 25 to 54 years</b>												
1986 .....	41,722	41,525	41,640	41,698	41,632	41,837	41,864	42,066	42,132	42,064	42,286	42,499
1987 .....	42,594	42,663	42,748	42,882	43,019	43,036	43,168	43,266	43,421	43,483	43,617	43,727
1988 .....	43,877	43,990	43,985	44,308	44,199	44,237	44,485	44,445	44,605	44,668	44,712	44,800
1989 .....	45,031	45,107	45,258	45,193	45,388	45,563	45,627	45,705	45,686	45,790	45,884	46,049
1990 .....	45,890	46,037	46,083	46,038	46,094	46,102	46,022	46,040	46,153	46,219	46,137	46,035
<b>Employed women, 25 to 54 years</b>												
1986 .....	32,569	32,404	32,575	32,665	32,792	33,018	33,251	33,329	33,510	33,703	33,588	33,790
1987 .....	33,732	33,993	34,168	34,405	34,621	34,666	34,801	34,852	34,961	35,037	35,150	35,249
1988 .....	35,256	35,328	35,633	35,625	35,729	35,812	35,933	36,115	36,144	36,347	36,578	36,666
1989 .....	36,934	37,007	36,943	37,055	37,002	37,075	37,145	37,270	37,544	37,505	37,722	37,715
1990 .....	37,833	37,876	37,897	37,966	38,162	38,264	38,314	38,288	38,169	38,106	37,938	38,035
<b>Employed both sexes, 25 to 34 years</b>												
1986 .....	32,048	31,788	31,988	32,013	31,996	32,235	32,196	32,337	32,419	32,351	32,518	32,560
1987 .....	32,507	32,740	32,870	33,003	33,055	33,129	33,258	33,289	33,291	33,361	33,397	33,376
1988 .....	33,409	33,523	33,477	33,578	33,550	33,457	33,612	33,541	33,583	33,658	33,650	33,873
1989 .....	33,974	33,970	33,950	33,904	33,848	33,960	34,096	34,059	34,262	34,132	34,266	34,172
1990 .....	34,165	34,088	34,076	34,015	34,028	33,989	33,772	33,766	33,637	33,584	33,440	33,436
<b>Employed men, 25 to 34 years</b>												
1986 .....	18,162	18,010	18,064	18,030	17,937	18,091	18,010	18,167	18,148	18,023	18,217	18,264
1987 .....	18,248	18,332	18,369	18,433	18,504	18,489	18,544	18,538	18,572	18,591	18,617	18,611
1988 .....	18,679	18,712	18,596	18,723	18,611	18,563	18,751	18,646	18,765	18,803	18,725	18,856
1989 .....	18,923	18,886	18,951	18,877	18,920	18,983	19,028	18,965	18,977	18,918	18,968	18,974
1990 .....	18,894	18,885	18,894	18,839	18,832	18,794	18,648	18,675	18,618	18,626	18,604	18,480
<b>Employed women, 25 to 34 years</b>												
1986 .....	13,886	13,778	13,924	13,983	14,059	14,144	14,186	14,170	14,271	14,328	14,301	14,296
1987 .....	14,259	14,408	14,501	14,570	14,551	14,640	14,714	14,751	14,719	14,770	14,780	14,765
1988 .....	14,730	14,811	14,881	14,855	14,939	14,894	14,861	14,818	14,818	14,855	14,925	15,017
1989 .....	15,051	15,084	14,999	15,027	14,928	14,977	15,068	15,022	15,297	15,214	15,298	15,198
1990 .....	15,271	15,203	15,182	15,176	15,196	15,195	15,124	15,091	15,019	14,958	14,836	14,956
<b>Employed both sexes, 35 to 44 years</b>												
1986 .....	25,381	25,309	25,445	25,544	25,647	25,738	25,957	26,098	26,200	26,260	26,220	26,516
1987 .....	26,652	26,749	26,802	26,972	27,130	27,126	27,231	27,315	27,430	27,489	27,609	27,647
1988 .....	27,694	27,683	27,910	28,069	28,010	28,206	28,307	28,428	28,596	28,677	28,867	28,781
1989 .....	29,020	29,115	29,178	29,142	29,336	29,440	29,454	29,597	29,541	29,710	29,774	30,007
1990 .....	30,053	30,294	30,331	30,401	30,562	30,549	30,666	30,674	30,714	30,778	30,746	30,764
<b>Employed men, 35 to 44 years</b>												
1986 .....	14,048	13,984	14,089	14,162	14,179	14,202	14,307	14,337	14,405	14,427	14,464	14,578
1987 .....	14,696	14,713	14,720	14,760	14,786	14,852	14,903	14,982	15,037	15,054	15,119	15,151
1988 .....	15,184	15,190	15,243	15,345	15,373	15,485	15,519	15,570	15,616	15,641	15,888	15,650
1989 .....	15,732	15,826	15,856	15,803	15,930	16,008	16,023	16,037	16,085	16,188	16,219	16,325
1990 .....	16,321	16,452	16,500	16,533	16,586	16,564	16,580	16,561	16,650	16,687	16,730	16,742
<b>Employed women, 35 to 44 years</b>												
1986 .....	11,333	11,325	11,356	11,382	11,468	11,536	11,650	11,761	11,795	11,833	11,756	11,938
1987 .....	11,956	12,036	12,082	12,212	12,344	12,274	12,328	12,333	12,393	12,435	12,490	12,496
1988 .....	12,510	12,493	12,667	12,724	12,637	12,741	12,788	12,858	12,980	13,036	13,179	13,131
1989 .....	13,288	13,289	13,322	13,339	13,406	13,432	13,431	13,560	13,456	13,522	13,555	13,682
1990 .....	13,732	13,842	13,831	13,868	13,976	13,985	14,086	14,113	14,064	14,091	14,016	14,022

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed both sexes, 45 to 54 years</b>												
1986	16,862	16,832	18,782	16,806	16,781	16,882	16,962	16,960	17,023	17,156	17,136	17,213
1987	17,167	17,167	17,244	17,312	17,455	17,447	17,480	17,514	17,661	17,670	17,761	17,953
1988	18,030	18,112	18,231	18,286	18,368	18,386	18,499	18,591	18,570	18,680	18,773	18,812
1989	18,971	19,029	19,073	19,202	19,206	19,238	19,222	19,319	19,427	19,453	19,566	19,585
1990	19,505	19,531	19,573	19,588	19,666	19,828	19,898	19,888	19,971	19,963	19,889	19,870
<b>Employed men, 45 to 54 years</b>												
1986	9,512	9,531	9,487	9,506	9,516	9,544	9,547	9,562	9,579	9,614	9,605	9,657
1987	9,650	9,618	9,659	9,689	9,729	9,695	9,721	9,746	9,812	9,838	9,881	9,965
1988	10,014	10,088	10,146	10,240	10,215	10,209	10,215	10,229	10,224	10,224	10,299	10,294
1989	10,376	10,395	10,451	10,513	10,538	10,572	10,576	10,631	10,636	10,684	10,697	10,750
1990	10,675	10,700	10,689	10,666	10,676	10,744	10,794	10,804	10,885	10,906	10,803	10,813
<b>Employed women, 45 to 54 years</b>												
1986	7,350	7,301	7,295	7,300	7,265	7,338	7,415	7,398	7,444	7,542	7,531	7,556
1987	7,517	7,549	7,585	7,623	7,726	7,752	7,759	7,768	7,849	7,832	7,880	7,988
1988	8,016	8,024	8,085	8,046	8,153	8,177	8,284	8,362	8,346	8,456	8,474	8,518
1989	8,595	8,634	8,622	8,689	8,668	8,666	8,646	8,688	8,791	8,769	8,869	8,835
1990	8,830	8,831	8,884	8,922	8,990	9,084	9,104	9,084	9,086	9,057	9,086	9,057
<b>Employed both sexes, 55 years and over</b>												
1988	14,326	14,123	14,211	14,259	14,371	14,485	14,487	14,453	14,317	14,217	14,329	14,324
1987	14,424	14,354	14,397	14,335	14,480	14,545	14,537	14,524	14,487	14,653	14,650	14,693
1988	14,569	14,648	14,558	14,665	14,467	14,560	14,510	14,587	14,645	14,718	14,846	14,786
1989	14,913	14,804	14,904	14,913	14,909	14,874	14,912	14,740	14,786	14,833	14,809	14,888
1990	14,851	14,863	14,870	14,853	14,932	14,930	14,906	14,950	14,992	14,851	14,812	14,901
<b>Employed men, 55 years and over</b>												
1986	8,506	8,328	8,401	8,422	8,456	8,425	8,398	8,346	8,353	8,338	8,426	8,501
1987	8,486	8,467	8,531	8,470	8,554	8,545	8,502	8,484	8,517	8,593	8,619	8,629
1988	8,466	8,564	8,482	8,520	8,476	8,525	8,499	8,511	8,504	8,506	8,469	8,506
1989	8,549	8,531	8,588	8,625	8,531	8,583	8,586	8,436	8,417	8,497	8,451	8,461
1990	8,497	8,476	8,479	8,448	8,489	8,499	8,498	8,530	8,573	8,492	8,498	8,553
<b>Employed women, 55 years and over</b>												
1986	5,820	5,795	5,810	5,837	5,915	6,060	6,089	6,107	5,964	5,879	5,903	5,823
1987	5,938	5,887	5,866	5,865	5,926	6,000	6,035	6,040	5,970	6,060	6,031	6,064
1988	6,083	6,084	6,078	6,145	5,991	6,035	6,011	6,076	6,141	6,212	6,377	6,280
1989	6,364	6,273	6,316	6,288	6,378	6,291	6,326	6,304	6,369	6,336	6,358	6,427
1990	6,354	6,387	6,391	6,405	6,443	6,431	6,408	6,420	6,419	6,359	6,314	6,348
<b>Employed both sexes, 55 to 64 years</b>												
1986	11,376	11,236	11,330	11,342	11,444	11,531	11,519	11,522	11,398	11,367	11,401	11,381
1987	11,493	11,438	11,430	11,424	11,483	11,471	11,439	11,384	11,426	11,530	11,521	11,530
1988	11,438	11,469	11,410	11,487	11,344	11,360	11,379	11,426	11,460	11,474	11,450	11,483
1989	11,579	11,484	11,548	11,543	11,482	11,555	11,535	11,404	11,502	11,487	11,502	11,494
1990	11,440	11,444	11,429	11,394	11,457	11,458	11,497	11,510	11,518	11,480	11,424	11,522
<b>Employed men, 55 to 64 years</b>												
1986	6,684	6,559	6,634	6,650	6,701	6,665	6,648	6,632	6,641	6,652	6,676	6,702
1987	6,729	6,717	6,743	6,683	6,709	6,658	6,657	6,580	6,646	6,680	6,694	6,694
1988	6,639	6,670	6,619	6,644	6,594	6,566	6,587	6,585	6,575	6,564	6,512	6,545
1989	6,560	6,547	6,587	6,604	6,543	6,620	6,600	6,487	6,542	6,540	6,536	6,479
1990	6,474	6,473	6,469	6,458	6,494	6,528	6,529	6,557	6,595	6,581	6,578	6,618
<b>Employed women, 55 to 64 years</b>												
1986	4,692	4,677	4,696	4,692	4,743	4,866	4,871	4,890	4,757	4,715	4,725	4,679
1987	4,764	4,721	4,687	4,741	4,774	4,813	4,782	4,804	4,780	4,850	4,827	4,836
1988	4,799	4,799	4,791	4,843	4,750	4,794	4,792	4,841	4,885	4,910	4,938	4,938
1989	5,019	4,937	4,961	4,939	4,939	4,935	4,935	4,917	4,960	4,947	4,966	5,015
1990	4,966	4,971	4,960	4,936	4,963	4,930	4,968	4,953	4,923	4,899	4,846	4,904

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed both sexes, 65 years and over</b>												
1986	2,950	2,887	2,881	2,917	2,927	2,954	2,968	2,931	2,919	2,850	2,928	2,943
1987	2,931	2,916	2,967	2,911	2,997	3,074	3,098	3,140	3,061	3,123	3,129	3,163
1988	3,131	3,179	3,148	3,178	3,123	3,200	3,131	3,161	3,185	3,244	3,396	3,303
1989	3,334	3,320	3,356	3,370	3,427	3,319	3,377	3,336	3,284	3,346	3,307	3,394
1990	3,411	3,419	3,441	3,459	3,475	3,472	3,409	3,440	3,474	3,371	3,388	3,379
<b>Employed men, 65 years and over</b>												
1986	1,822	1,769	1,767	1,772	1,755	1,760	1,750	1,714	1,712	1,686	1,750	1,799
1987	1,757	1,750	1,788	1,787	1,845	1,887	1,845	1,904	1,871	1,913	1,925	1,935
1988	1,847	1,894	1,863	1,876	1,882	1,959	1,912	1,926	1,929	1,942	1,957	1,961
1989	1,989	1,984	2,001	2,021	1,988	1,963	1,986	1,949	1,875	1,957	1,915	1,982
1990	2,023	2,003	2,010	1,990	1,995	1,971	1,969	1,973	1,978	1,911	1,920	1,935
<b>Employed women, 65 years and over</b>												
1986	1,128	1,118	1,114	1,145	1,172	1,194	1,218	1,217	1,207	1,164	1,178	1,144
1987	1,174	1,166	1,179	1,124	1,152	1,187	1,253	1,236	1,190	1,210	1,204	1,228
1988	1,264	1,285	1,285	1,302	1,241	1,241	1,219	1,235	1,256	1,302	1,439	1,342
1989	1,345	1,336	1,355	1,349	1,439	1,356	1,391	1,387	1,409	1,389	1,392	1,412
1990	1,388	1,416	1,431	1,469	1,480	1,501	1,440	1,467	1,496	1,480	1,468	1,444
<b>Employed white workers</b>												
1986	95,131	94,682	94,969	95,089	95,157	95,672	95,837	96,133	96,113	96,235	96,375	96,610
1987	96,723	96,856	97,003	97,301	97,910	97,613	97,895	98,219	98,148	98,419	98,545	98,889
1988	98,988	99,281	99,187	99,685	99,391	99,848	99,714	99,951	100,087	100,275	100,688	100,701
1989	101,193	101,202	101,394	101,480	101,374	101,595	101,486	101,689	101,522	101,852	102,060	102,108
1990	102,112	102,145	102,208	102,088	102,283	102,332	102,189	101,996	102,192	102,017	101,648	101,843
<b>Employed white men</b>												
1986	53,811	53,504	53,553	53,818	53,526	53,706	53,709	53,876	53,897	53,905	54,132	54,245
1987	54,300	54,307	54,285	54,378	54,657	54,493	54,616	54,779	54,830	54,932	55,039	55,192
1988	55,188	55,376	55,189	55,530	55,421	55,604	55,653	55,633	55,693	55,678	55,853	55,810
1989	56,015	56,117	56,364	56,338	56,253	56,494	56,429	56,457	56,127	56,516	56,507	56,596
1990	56,578	56,554	56,564	56,444	56,496	56,457	56,337	56,278	56,461	56,410	56,332	56,282
<b>Employed white women</b>												
1986	41,320	41,178	41,416	41,471	41,631	41,966	42,128	42,257	42,216	42,330	42,243	42,365
1987	42,423	42,549	42,718	42,923	43,253	43,120	43,279	43,440	43,318	43,487	43,506	43,697
1988	43,800	43,905	43,978	44,155	43,970	44,244	44,061	44,318	44,394	44,597	44,835	44,891
1989	45,178	45,085	45,030	45,142	45,121	45,101	45,057	45,232	45,395	45,336	45,553	45,512
1990	45,534	45,591	45,644	45,644	45,797	45,875	45,852	45,718	45,731	45,607	45,316	45,561
<b>Employed white workers, 16 to 19 years</b>												
1986	5,677	5,751	5,841	5,802	5,815	5,796	5,757	5,799	5,813	5,881	5,818	5,764
1987	5,823	5,850	5,813	5,864	5,981	5,833	5,900	6,007	5,857	5,906	5,916	6,041
1988	6,069	6,071	5,839	5,934	5,938	6,245	6,104	6,045	6,062	5,973	6,069	6,017
1989	5,980	5,919	5,978	5,983	5,939	5,972	5,865	6,040	5,902	5,944	5,946	5,795
1990	5,788	5,785	5,801	5,682	5,614	5,521	5,394	5,201	5,418	5,370	5,316	5,345
<b>Employed white men, 16 to 19 years</b>												
1986	2,917	2,923	2,939	2,969	2,977	2,971	2,979	2,960	3,022	3,025	3,007	2,915
1987	2,974	3,017	2,941	2,945	2,989	2,967	2,986	3,032	3,016	3,035	3,009	3,078
1988	3,124	3,098	2,979	3,030	3,040	3,177	3,098	3,111	3,095	3,017	3,155	3,092
1989	3,003	3,007	3,079	3,076	3,042	3,074	3,091	3,148	3,023	3,057	3,034	2,985
1990	3,016	2,996	2,977	2,949	2,903	2,848	2,771	2,677	2,786	2,795	2,768	2,785
<b>Employed white women, 16 to 19 years</b>												
1986	2,760	2,828	2,902	2,833	2,838	2,825	2,778	2,839	2,791	2,856	2,811	2,849
1987	2,849	2,833	2,872	2,919	2,992	2,866	2,914	2,975	2,841	2,871	2,907	2,963
1988	2,945	2,973	2,860	2,904	2,898	3,068	3,006	2,934	2,967	2,956	2,914	2,925
1989	2,977	2,912	2,897	2,907	2,897	2,898	2,774	2,892	2,879	2,887	2,912	2,810
1990	2,772	2,769	2,824	2,733	2,711	2,675	2,623	2,524	2,630	2,575	2,548	2,560



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed white workers, 20 years and over</b>												
1986	89,454	88,931	89,128	89,287	89,342	89,876	90,080	90,334	90,300	90,354	90,557	90,846
1987	90,900	91,006	91,190	91,437	91,929	91,780	91,995	92,212	92,291	92,513	92,629	92,848
1988	92,919	93,210	93,328	93,751	93,453	93,603	93,610	93,906	94,025	94,302	94,619	94,684
1989	95,213	95,283	95,418	95,497	95,435	95,623	95,621	95,649	95,620	95,908	96,114	96,313
1990	96,324	96,380	96,407	96,406	96,679	96,811	96,795	96,795	96,776	96,647	96,332	96,498
<b>Employed white men, 20 years and over</b>												
1986	50,894	50,581	50,614	50,649	50,549	50,735	50,730	50,916	50,875	50,880	51,125	51,330
1987	51,326	51,290	51,344	51,433	51,668	51,526	51,630	51,747	51,814	51,897	52,030	52,114
1988	52,064	52,278	52,210	52,500	52,381	52,427	52,555	52,522	52,598	52,661	52,698	52,718
1989	53,012	53,110	53,285	53,282	53,211	53,420	53,398	53,309	53,104	53,459	53,473	53,611
1990	53,582	53,558	53,587	53,495	53,593	53,611	53,586	53,601	53,675	53,615	53,564	53,497
<b>Employed white women, 20 years and over</b>												
1986	38,560	38,350	38,514	38,638	38,793	39,141	39,350	39,418	39,425	39,474	39,432	39,516
1987	39,574	39,716	39,846	40,004	40,261	40,254	40,365	40,465	40,477	40,618	40,599	40,734
1988	40,655	40,932	41,118	41,251	41,072	41,176	41,055	41,384	41,427	41,641	41,921	41,966
1989	42,201	42,173	42,133	42,235	42,224	42,203	42,283	42,340	42,516	42,449	42,641	42,702
1990	42,782	42,822	42,820	42,911	43,088	43,200	43,229	43,194	43,101	43,032	42,768	43,001
<b>Employed black workers</b>												
1986	10,703	10,700	10,798	10,846	10,897	10,847	10,808	10,663	10,786	10,875	10,892	10,944
1987	10,970	11,095	11,085	11,138	11,156	11,264	11,377	11,511	11,406	11,544	11,569	11,583
1988	11,577	11,512	11,426	11,517	11,484	11,519	11,754	11,758	11,770	11,833	11,853	11,896
1989	11,863	11,880	11,908	11,823	11,923	11,951	12,081	12,005	11,967	11,943	11,981	11,956
1990	11,980	12,026	12,092	12,098	12,128	12,044	11,884	11,838	11,869	11,913	11,897	11,836
<b>Employed black men</b>												
1986	5,390	5,384	5,431	5,434	5,491	5,456	5,429	5,332	5,379	5,425	5,453	5,526
1987	5,538	5,578	5,592	5,599	5,577	5,627	5,687	5,745	5,723	5,743	5,765	5,751
1988	5,780	5,738	5,687	5,823	5,791	5,803	5,826	5,883	5,887	5,898	5,879	5,901
1989	5,885	5,896	5,928	5,835	5,883	5,989	6,013	5,949	5,915	5,925	5,932	5,930
1990	5,855	5,925	5,942	5,948	5,948	5,957	5,887	5,848	5,888	5,922	5,930	5,926
<b>Employed black women</b>												
1986	5,313	5,316	5,367	5,412	5,406	5,391	5,379	5,331	5,407	5,450	5,439	5,418
1987	5,432	5,517	5,493	5,539	5,579	5,637	5,690	5,766	5,683	5,801	5,804	5,832
1988	5,797	5,774	5,739	5,694	5,693	5,716	5,928	5,875	5,883	5,935	5,974	5,995
1989	5,978	5,984	5,982	5,986	6,040	5,982	6,068	6,056	6,052	6,018	6,049	6,026
1990	6,125	6,101	6,150	6,150	6,180	6,087	5,997	5,990	5,981	5,991	5,967	5,910
<b>Employed black workers, 16 to 19 years</b>												
1986	535	548	547	552	565	560	514	480	523	554	525	522
1987	535	559	550	537	548	569	578	688	633	623	610	608
1988	584	544	532	583	598	611	634	641	623	625	619	631
1989	583	628	592	591	612	630	703	645	581	623	642	675
1990	671	608	629	627	587	559	528	511	556	550	542	504
<b>Employed black men, 16 to 19 years</b>												
1986	273	293	279	287	309	283	265	260	270	271	263	271
1987	299	288	287	278	274	296	302	353	313	317	321	312
1988	305	258	254	313	335	332	341	335	324	332	326	326
1989	300	335	322	281	282	365	393	352	292	327	334	357
1990	344	320	322	320	295	269	269	254	291	287	292	262
<b>Employed black women, 16 to 19 years</b>												
1986	262	255	268	265	256	277	249	220	253	283	262	251
1987	236	271	263	259	274	273	276	335	320	306	289	296
1988	279	286	278	250	263	279	293	306	299	293	293	305
1989	283	293	270	310	330	265	310	293	289	296	308	318
1990	327	288	307	307	292	290	259	257	265	263	250	242

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed black workers, 20 years and over</b>												
1986	10,168	10,152	10,251	10,294	10,332	10,287	10,294	10,183	10,263	10,321	10,367	10,422
1987	10,435	10,536	10,535	10,601	10,608	10,695	10,799	10,823	10,773	10,921	10,959	10,975
1988	10,993	10,968	10,894	10,954	10,886	10,908	11,120	11,117	11,147	11,208	11,234	11,265
1989	11,280	11,252	11,316	11,232	11,311	11,321	11,378	11,360	11,386	11,320	11,339	11,281
1990	11,309	11,418	11,463	11,471	11,541	11,485	11,356	11,327	11,313	11,383	11,355	11,332
<b>Employed black men, 20 years and over</b>												
1986	5,117	5,091	5,152	5,147	5,182	5,173	5,164	5,072	5,109	5,154	5,190	5,255
1987	5,239	5,290	5,305	5,321	5,303	5,331	5,385	5,392	5,410	5,426	5,444	5,439
1988	5,475	5,480	5,433	5,510	5,456	5,471	5,485	5,548	5,563	5,566	5,553	5,575
1989	5,585	5,561	5,604	5,554	5,601	5,604	5,620	5,597	5,623	5,598	5,598	5,573
1990	5,511	5,605	5,620	5,628	5,653	5,688	5,618	5,594	5,597	5,635	5,638	5,664
<b>Employed black women, 20 years and over</b>												
1986	5,051	5,061	5,099	5,147	5,150	5,114	5,130	5,111	5,154	5,167	5,177	5,167
1987	5,196	5,246	5,230	5,280	5,305	5,364	5,414	5,431	5,383	5,495	5,515	5,536
1988	5,518	5,488	5,461	5,444	5,430	5,437	5,635	5,569	5,584	5,642	5,881	5,890
1989	5,695	5,691	5,712	5,678	5,710	5,717	5,758	5,763	5,763	5,722	5,741	5,708
1990	5,798	5,813	5,843	5,843	5,886	5,797	5,738	5,733	5,716	5,728	5,717	5,668
<b>Employed Hispanic-origin workers</b>												
1986	6,986	6,945	7,088	7,139	7,107	7,229	7,284	7,254	7,303	7,366	7,453	7,460
1987	7,527	7,580	7,628	7,721	7,798	7,734	7,754	7,868	7,877	7,949	7,978	8,064
1988	8,229	8,221	8,088	8,059	8,048	8,213	8,258	8,206	8,399	8,392	8,445	8,473
1989	8,468	8,575	8,581	8,529	8,585	8,508	8,560	8,510	8,567	8,802	8,711	8,734
1990	8,787	8,694	8,826	8,843	8,883	8,919	8,875	8,904	8,809	8,793	8,683	8,676
<b>Employed married men, spouse present</b>												
1986	39,527	39,381	39,348	39,528	39,630	39,645	39,648	39,767	39,720	39,751	39,939	40,037
1987	40,048	39,924	40,001	40,017	40,104	40,096	40,263	40,359	40,423	40,587	40,725	40,657
1988	40,387	40,414	40,377	40,482	40,314	40,459	40,533	40,613	40,561	40,568	40,461	40,532
1989	40,841	40,828	40,942	40,881	40,914	41,088	41,138	40,784	40,606	40,820	40,834	41,006
1990	41,003	41,256	40,942	40,769	40,854	40,626	40,601	40,661	40,833	40,833	40,844	40,728
<b>Employed married women, spouse present</b>												
1986	26,999	26,675	26,709	26,777	26,831	27,156	27,353	27,370	27,369	27,478	27,501	27,585
1987	27,694	27,782	27,890	28,030	28,255	28,232	28,293	28,205	28,162	28,217	28,282	28,353
1988	28,384	28,626	28,702	28,704	28,485	28,667	28,670	28,838	28,914	28,975	29,072	29,125
1989	29,500	29,395	29,530	29,568	29,558	29,484	29,501	29,225	29,523	29,557	29,855	29,708
1990	29,815	29,727	29,676	29,742	29,987	29,828	29,862	29,869	29,797	29,789	29,713	29,776
<b>Employed women who maintain families</b>												
1986	5,673	5,735	5,762	5,819	5,782	5,800	5,852	5,845	5,914	5,953	5,961	5,924
1987	5,947	5,919	5,954	6,008	5,998	6,039	6,047	6,124	6,142	6,141	6,188	6,175
1988	6,153	6,148	6,180	6,115	6,008	6,112	6,151	6,295	6,232	6,343	6,370	6,390
1989	6,415	6,377	6,291	6,282	6,344	6,376	6,431	6,371	6,412	6,351	6,358	6,349
1990	6,241	6,368	6,324	6,348	6,390	6,432	6,376	6,372	6,376	6,354	6,341	6,367

4. Employed civilians in agriculture and nonagricultural industries by selected characteristics

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed in agricultural industries												
1986	3,287	3,083	3,200	3,153	3,150	3,193	3,141	3,082	3,171	3,128	3,220	3,148
1987	3,143	3,204	3,212	3,242	3,346	3,216	3,236	3,116	3,189	3,221	3,150	3,206
1988	3,245	3,203	3,166	3,218	3,121	3,114	3,061	3,125	3,168	3,226	3,252	3,186
1989	3,286	3,232	3,186	3,146	3,124	3,083	3,225	3,285	3,231	3,204	3,158	3,183
1990	3,145	3,119	3,197	3,140	3,286	3,279	3,108	3,152	3,194	3,175	3,185	3,253
Employed in agricultural industries, both sexes, 16 to 19 years												
1986	250	232	260	272	270	276	247	266	255	242	243	242
1987	242	269	265	266	269	263	263	250	243	260	226	274
1988	289	288	279	274	286	270	257	257	305	269	276	245
1989	279	243	221	239	218	236	251	294	225	244	235	290
1990	267	248	272	210	248	249	243	252	262	264	251	241
Employed in agricultural industries, men, 16 to 19 years												
1986	201	190	225	236	235	235	214	224	217	203	209	200
1987	202	225	221	234	224	218	214	201	203	214	184	228
1988	238	228	221	220	232	219	221	213	255	217	216	178
1989	197	192	180	195	182	201	211	251	190	201	174	243
1990	225	209	222	163	188	202	199	211	213	221	211	207
Employed in agricultural industries, women, 16 to 19 years												
1986	49	42	35	36	35	41	33	42	38	39	34	42
1987	40	44	44	32	45	45	49	49	40	46	42	46
1988	51	80	58	54	54	51	36	44	50	52	60	67
1989	82	51	41	44	36	35	40	43	35	43	61	47
1990	42	39	50	47	60	47	44	41	49	43	40	34
Employed in agricultural industries, both sexes, 20 years and over												
1986	3,037	2,851	2,940	2,881	2,880	2,917	2,894	2,816	2,916	2,886	2,977	2,906
1987	2,901	2,935	2,947	2,976	3,077	2,953	2,973	2,866	2,946	2,961	2,924	2,932
1988	2,956	2,915	2,887	2,944	2,835	2,844	2,804	2,868	2,863	2,957	2,976	2,941
1989	3,007	2,989	2,965	2,907	2,906	2,847	2,974	2,991	3,006	2,960	2,923	2,893
1990	2,878	2,871	2,925	2,930	3,038	3,030	2,865	2,900	2,932	2,911	2,934	3,012
Employed in agricultural industries, men, 20 years and over												
1986	2,362	2,273	2,353	2,299	2,274	2,328	2,281	2,180	2,289	2,285	2,311	2,294
1987	2,278	2,313	2,362	2,391	2,439	2,333	2,341	2,241	2,350	2,324	2,280	2,285
1988	2,314	2,276	2,255	2,275	2,238	2,231	2,250	2,264	2,243	2,316	2,316	2,282
1989	2,286	2,319	2,315	2,278	2,285	2,254	2,335	2,352	2,332	2,312	2,294	2,277
1990	2,268	2,262	2,275	2,272	2,374	2,369	2,279	2,266	2,299	2,283	2,307	2,365
Employed in agricultural industries, women, 20 years and over												
1986	675	578	587	582	606	589	613	636	627	601	666	612
1987	623	622	585	585	638	620	632	625	596	637	644	647
1988	642	639	632	669	597	613	554	604	620	641	660	659
1989	721	670	650	629	621	593	639	639	674	648	629	616
1990	610	609	650	658	664	661	586	634	633	628	627	647
Employed in nonagricultural industries												
1986	105,600	105,397	105,637	105,799	105,939	106,383	106,689	106,933	106,914	107,145	107,255	107,580
1987	107,825	108,052	108,198	108,548	109,068	108,993	109,360	109,916	109,730	110,090	110,390	110,651
1988	110,802	111,045	110,872	111,435	111,136	111,798	111,951	112,106	112,228	112,445	112,811	112,995
1989	113,422	113,568	113,816	113,943	113,941	114,317	114,188	114,280	114,186	114,415	114,762	114,774
1990	114,800	114,955	115,038	114,950	114,991	114,958	114,774	114,538	114,689	114,558	114,201	114,321
Employed in nonagricultural industries, both sexes, 16 to 19 years												
1986	6,056	6,175	6,264	6,241	6,243	6,208	6,212	6,226	6,228	6,325	6,221	6,169
1987	6,236	6,275	6,247	6,292	6,405	6,287	6,375	6,649	6,412	6,420	6,451	6,527
1988	6,532	6,511	6,302	6,410	6,416	6,746	6,669	6,627	6,589	6,493	6,545	6,558
1989	6,440	6,489	6,534	6,544	6,504	6,543	6,491	6,563	6,470	6,525	6,528	6,386
1990	6,354	6,326	6,393	6,304	6,140	6,019	5,840	5,615	5,869	5,801	5,722	5,756

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed in nonagricultural industries, men, 16 to 19 years</b>												
1986	3,018	3,090	3,070	3,111	3,129	3,090	3,123	3,112	3,153	3,165	3,130	3,047
1987	3,128	3,168	3,079	3,078	3,107	3,121	3,139	3,296	3,221	3,218	3,207	3,243
1988	3,262	3,232	3,118	3,235	3,250	3,376	3,310	3,353	3,275	3,214	3,316	3,296
1989	3,158	3,240	3,301	3,280	3,239	3,317	3,342	3,315	3,236	3,291	3,270	3,213
1990	3,206	3,211	3,183	3,221	3,125	3,003	2,905	2,803	2,951	2,942	2,909	2,932
<b>Employed in nonagricultural industries, women, 16 to 19 years</b>												
1986	3,038	3,085	3,194	3,130	3,114	3,118	3,089	3,114	3,075	3,160	3,091	3,122
1987	3,108	3,107	3,168	3,214	3,298	3,166	3,236	3,363	3,191	3,202	3,244	3,284
1988	3,270	3,279	3,184	3,175	3,166	3,370	3,359	3,274	3,294	3,279	3,229	3,262
1989	3,282	3,249	3,233	3,264	3,285	3,226	3,149	3,248	3,234	3,234	3,258	3,173
1990	3,148	3,115	3,210	3,083	3,015	3,016	2,935	2,812	2,918	2,859	2,813	2,824
<b>Employed in nonagricultural industries, both sexes, 20 years and over</b>												
1986	99,544	99,222	99,373	99,558	99,696	100,175	100,457	100,707	100,686	100,820	101,034	101,411
1987	101,589	101,777	101,951	102,256	102,663	102,706	102,985	103,267	103,318	103,670	103,939	104,124
1988	104,270	104,534	104,570	105,025	104,720	105,052	105,282	105,479	105,857	105,952	106,266	106,437
1989	106,982	107,079	107,282	107,399	107,437	107,774	107,697	107,717	107,716	107,890	108,234	108,388
1990	108,446	108,629	108,645	108,646	108,851	108,939	108,934	108,923	108,820	108,757	108,479	108,565
<b>Employed in nonagricultural industries, men, 20 years and over</b>												
1986	55,275	54,996	55,000	55,059	55,013	55,143	55,233	55,417	55,341	55,375	55,630	55,891
1987	55,986	55,956	55,986	56,097	56,262	56,225	58,386	56,566	56,819	56,770	56,963	56,990
1988	57,027	57,244	57,120	57,544	57,385	57,494	57,624	57,604	57,759	57,744	57,765	57,839
1989	58,157	58,247	58,439	58,460	58,486	58,777	58,595	58,538	58,378	58,702	58,741	58,872
1990	58,791	58,898	58,927	58,880	58,902	58,925	58,883	58,908	58,949	58,962	58,910	58,823
<b>Employed in nonagricultural industries, women, 20 years and over</b>												
1986	44,269	44,226	44,373	44,499	44,683	45,032	45,224	45,290	45,345	45,445	45,404	45,520
1987	45,603	45,821	45,965	46,159	46,401	46,481	46,599	46,701	46,699	46,900	46,976	47,134
1988	47,243	47,290	47,450	47,481	47,335	47,558	47,658	47,875	47,898	48,208	48,501	48,598
1989	48,825	48,832	48,843	48,939	48,951	48,997	49,102	49,179	49,338	49,188	49,493	49,516
1990	49,655	49,731	49,718	49,766	49,949	50,014	50,051	50,015	49,871	49,795	49,569	49,742
<b>Employed total wage and salary workers</b>												
1986	99,317	98,912	99,322	99,434	99,428	99,834	99,879	100,104	100,325	100,398	100,490	100,789
1987	101,045	101,247	101,553	101,760	102,481	102,029	102,529	102,909	102,949	103,151	103,627	103,575
1988	103,995	104,147	103,923	104,270	103,884	104,446	104,734	104,800	105,071	105,387	105,565	105,717
1989	106,148	106,444	106,597	106,613	106,882	106,927	107,011	107,057	107,005	107,110	107,722	107,453
1990	107,484	107,673	107,629	107,544	107,869	107,578	107,448	107,332	107,438	107,098	106,948	106,766
<b>Employed wage and salary workers in agricultural industries</b>												
1986	1,613	1,493	1,598	1,541	1,500	1,520	1,524	1,540	1,540	1,539	1,588	1,614
1987	1,602	1,621	1,660	1,613	1,722	1,638	1,651	1,600	1,632	1,661	1,582	1,576
1988	1,623	1,659	1,615	1,712	1,582	1,586	1,571	1,582	1,585	1,631	1,649	1,681
1989	1,676	1,673	1,665	1,649	1,619	1,556	1,696	1,760	1,631	1,646	1,678	1,671
1990	1,643	1,617	1,637	1,647	1,693	1,685	1,665	1,705	1,752	1,714	1,681	1,671
<b>Employed nonagricultural private wage and salary workers</b>												
1986	81,375	81,252	81,539	81,622	81,554	81,965	81,762	82,122	82,440	82,630	82,521	82,768
1987	83,058	83,050	83,271	83,594	83,989	83,467	83,909	84,547	84,365	84,452	85,011	85,018
1988	85,301	85,499	85,359	85,488	85,134	85,779	86,137	86,134	86,343	86,530	86,575	86,670
1989	87,094	87,408	87,544	87,711	86,010	88,077	87,830	87,782	87,734	87,867	88,345	88,035
1990	88,180	88,400	88,260	88,097	88,126	88,061	87,998	87,829	88,089	87,690	87,634	87,455
<b>Employed government workers in nonagricultural industries</b>												
1986	16,329	16,167	16,185	16,271	18,374	16,349	16,593	16,442	16,345	16,229	16,381	16,407
1987	16,385	16,576	16,622	16,553	16,770	16,924	16,969	16,762	16,952	17,038	17,034	16,981
1988	17,071	16,989	16,949	17,070	16,968	17,081	17,026	17,084	17,143	17,226	17,341	17,366
1989	17,378	17,363	17,388	17,253	17,253	17,294	17,485	17,515	17,640	17,597	17,699	17,747
1990	17,661	17,656	17,732	17,800	18,050	17,832	17,785	17,798	17,597	17,694	17,633	17,640

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed self-employed workers in agricultural industries												
1986 .....	1,492	1,429	1,444	1,452	1,470	1,514	1,434	1,406	1,457	1,439	1,428	1,395
1987 .....	1,383	1,437	1,408	1,484	1,439	1,410	1,437	1,390	1,401	1,427	1,407	1,464
1988 .....	1,446	1,411	1,411	1,382	1,357	1,363	1,356	1,412	1,420	1,414	1,468	1,353
1989 .....	1,404	1,422	1,394	1,412	1,347	1,392	1,427	1,416	1,441	1,428	1,374	1,366
1990 .....	1,361	1,389	1,446	1,430	1,463	1,479	1,382	1,364	1,293	1,350	1,386	1,473
Employed self-employed workers in nonagricultural industries												
1986 .....	7,682	7,716	7,740	7,612	7,787	7,790	8,060	7,963	7,959	7,972	8,164	8,078
1987 .....	8,183	8,205	8,092	8,075	8,121	8,267	8,237	8,227	8,210	8,290	8,196	8,301
1988 .....	8,193	8,367	8,368	8,549	8,867	8,538	8,553	8,526	8,590	8,392	8,689	8,591
1989 .....	8,655	8,561	8,598	8,636	8,561	8,576	8,820	8,641	8,586	8,596	8,566	8,655
1990 .....	8,697	8,655	8,809	8,713	8,765	8,756	8,725	8,646	8,809	8,859	8,800	8,896
Employed unpaid-family workers in agricultural industries												
1986 .....	173	168	172	168	172	160	172	169	163	167	194	148
1987 .....	146	136	154	169	164	159	156	152	138	141	155	153
1988 .....	142	119	144	153	158	162	153	157	131	183	123	146
1989 .....	187	144	137	126	130	127	131	137	127	127	107	123
1990 .....	113	116	115	112	104	107	100	97	108	99	116	102
Employed unpaid-family workers in nonagricultural industries												
1986 .....	271	264	239	246	226	237	254	273	266	273	266	248
1987 .....	246	260	264	259	257	280	265	254	290	250	241	260
1988 .....	240	235	237	268	277	313	255	253	220	235	306	280
1989 .....	298	291	312	274	290	257	240	279	281	286	264	254
1990 .....	256	315	253	255	244	239	258	236	238	250	255	238

**HOUSEHOLD DATA  
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**5. Employed civilians by occupation**

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Employed managerial and professional specialty workers</b>												
1983	23,338	23,253	23,137	23,553	23,445	23,536	23,667	23,618	23,788	23,716	23,983	24,046
1984	24,369	24,579	24,667	24,727	24,860	24,928	24,920	25,015	24,762	25,061	25,081	25,290
1985	25,302	25,597	25,717	25,721	25,735	25,671	25,765	25,869	26,140	26,271	26,310	26,087
1986	26,404	26,035	26,114	26,275	26,382	26,494	26,479	26,676	26,785	26,807	26,984	27,199
1987	27,162	27,218	27,408	27,173	27,463	27,503	28,094	28,207	28,018	28,145	28,112	28,408
1988	28,499	28,610	28,675	29,005	29,054	29,421	29,356	29,412	29,486	29,451	29,662	29,668
1989	29,786	30,095	30,285	30,347	30,577	30,273	30,381	30,320	30,483	31,065	30,598	30,528
1990	30,794	30,587	30,514	30,318	30,490	30,735	30,758	30,913	30,572	30,714	30,732	30,777
<b>Employed technical, sales, and administrative support workers</b>												
1983	31,021	30,671	30,958	30,892	30,948	31,090	31,395	31,502	31,582	31,756	31,595	31,755
1984	31,806	32,006	32,038	32,331	32,466	32,770	32,947	32,617	32,644	32,649	32,815	32,612
1985	32,980	33,013	33,240	33,039	33,093	33,032	33,061	33,188	33,480	33,332	33,641	33,690
1986	33,772	33,983	34,178	34,173	33,887	34,360	34,557	34,544	34,508	34,807	34,786	34,696
1987	34,744	34,802	34,708	34,738	35,040	35,235	35,008	35,056	35,219	35,530	35,313	35,609
1988	35,580	35,491	35,546	35,597	34,919	35,164	35,606	35,676	35,675	35,689	35,719	35,780
1989	35,768	35,673	35,482	35,979	35,977	36,521	36,289	36,444	35,908	35,903	36,696	36,703
1990	36,849	37,053	37,104	37,010	37,335	36,678	36,499	36,009	36,541	36,447	36,380	36,242
<b>Employed service workers</b>												
1983	13,548	13,646	13,627	13,525	13,579	13,796	13,860	14,233	14,186	14,063	14,149	14,082
1984	13,952	14,000	14,051	14,125	14,316	14,342	14,215	14,037	14,138	14,252	14,182	14,250
1985	14,478	14,378	14,363	14,388	14,256	14,276	14,475	14,415	14,480	14,571	14,570	14,699
1986	14,633	14,708	14,769	14,899	14,580	14,430	14,645	14,688	14,651	14,791	14,808	14,809
1987	14,922	14,920	14,994	15,136	15,196	15,093	14,968	15,006	14,989	14,989	15,267	15,198
1988	15,255	15,253	15,021	15,172	15,325	15,257	15,237	15,318	15,442	15,512	15,570	15,626
1989	15,599	15,630	15,553	15,277	15,509	15,534	15,751	15,706	15,821	15,519	15,448	15,379
1990	15,443	15,379	15,647	15,736	15,693	15,894	15,917	15,847	15,889	15,880	15,861	15,904
<b>Employed precision production, craft, and repair workers</b>												
1983	11,989	12,073	12,002	12,039	11,784	12,227	12,427	12,351	12,630	12,663	12,883	12,831
1984	12,953	12,945	12,814	12,947	13,037	12,971	13,037	13,167	13,066	13,218	13,147	13,372
1985	13,145	13,229	13,356	13,296	13,371	13,375	13,291	13,435	13,305	13,643	13,353	13,283
1986	13,303	13,200	13,427	13,162	13,308	13,494	13,454	13,456	13,534	13,481	13,490	13,565
1987	13,646	13,584	13,429	13,628	13,514	13,401	13,504	13,669	13,670	13,642	13,631	13,543
1988	13,537	13,701	13,578	13,689	13,927	13,788	13,740	13,564	13,474	13,587	13,702	13,710
1989	13,998	13,773	13,639	13,681	13,618	13,896	13,659	13,701	13,808	13,854	14,054	13,837
1990	13,785	13,724	13,750	13,761	13,707	13,595	13,697	13,586	13,604	13,547	13,428	13,524
<b>Employed operators, fabricators, and laborers</b>												
1983	15,606	15,775	15,839	15,928	15,985	16,127	16,058	16,133	16,057	16,399	16,582	16,600
1984	16,670	16,697	16,893	16,785	16,677	16,801	16,789	16,797	17,118	17,112	17,045	16,998
1985	16,821	16,746	16,761	16,895	16,821	16,749	16,774	16,798	16,786	16,772	16,847	17,041
1986	17,194	17,170	16,860	17,060	17,432	17,309	17,334	17,347	17,111	17,054	16,954	17,078
1987	17,176	17,243	17,233	17,402	17,449	17,441	17,543	17,666	17,605	17,600	17,830	17,618
1988	17,679	17,659	17,714	17,516	17,610	17,939	17,903	17,899	17,902	18,046	17,954	17,927
1989	18,087	18,062	18,365	18,218	18,124	17,933	17,986	17,843	17,937	17,945	17,846	18,111
1990	17,658	17,903	17,715	17,729	17,762	17,838	17,698	17,852	17,814	17,858	17,752	17,695
<b>Employed farming, forestry, and fishing workers</b>												
1983	3,808	3,700	3,703	3,702	3,658	3,778	3,780	3,786	3,661	3,625	3,552	3,623
1984	3,545	3,611	3,538	3,502	3,628	3,713	3,536	3,561	3,672	3,518	3,705	3,692
1985	3,636	3,590	3,544	3,577	3,509	3,451	3,492	3,469	3,406	3,368	3,278	3,382
1986	3,631	3,383	3,453	3,475	3,406	3,498	3,404	3,380	3,454	3,439	3,468	3,379
1987	3,323	3,475	3,592	3,566	3,705	3,519	3,558	3,465	3,415	3,505	3,430	3,484
1988	3,510	3,495	3,423	3,479	3,449	3,351	3,291	3,401	3,414	3,480	3,532	3,495
1989	3,441	3,504	3,401	3,385	3,347	3,260	3,445	3,555	3,464	3,419	3,390	3,383
1990	3,390	3,314	3,413	3,328	3,423	3,513	3,384	3,448	3,449	3,376	3,360	3,436

6. Persons at work on part-time schedules by reason

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Total at work on part-time schedules for economic reasons</b>												
1986	5,541	5,258	5,555	5,825	5,908	5,628	5,415	5,521	5,615	5,769	5,512	5,613
1987	5,476	5,550	5,444	5,355	5,388	5,249	5,482	5,335	5,307	5,455	5,523	5,273
1988	5,311	5,338	5,308	5,154	4,924	5,293	5,438	5,236	5,065	4,979	5,026	5,347
1989	5,032	4,957	4,927	5,079	4,903	4,934	4,887	4,850	4,826	4,739	4,805	4,790
1990	4,921	4,865	4,942	4,853	4,859	5,022	5,001	5,092	5,301	5,409	5,438	5,581
<b>Total at work on part-time schedules for economic reasons-slack work</b>												
1986	2,357	2,321	2,321	2,553	2,716	2,449	2,451	2,390	2,523	2,514	2,497	2,447
1987	2,441	2,451	2,393	2,340	2,345	2,330	2,411	2,485	2,271	2,432	2,439	2,261
1988	2,357	2,419	2,456	2,238	2,290	2,348	2,482	2,343	2,259	2,221	2,259	2,531
1989	2,303	2,320	2,235	2,346	2,322	2,316	2,298	2,333	2,333	2,356	2,309	2,235
1990	2,368	2,318	2,420	2,408	2,443	2,501	2,570	2,491	2,658	2,663	2,786	2,928
<b>Total at work on part-time schedules for economic reasons-could only find part-time work</b>												
1986	2,885	2,669	2,918	2,907	2,858	2,822	2,648	2,788	2,774	2,832	2,691	2,874
1987	2,707	2,758	2,706	2,718	2,695	2,573	2,897	2,557	2,701	2,681	2,715	2,619
1988	2,817	2,577	2,530	2,482	2,342	2,564	2,599	2,531	2,365	2,416	2,353	2,422
1989	2,326	2,313	2,373	2,382	2,344	2,255	2,204	2,173	2,143	2,052	2,154	2,115
1990	2,210	2,184	2,130	2,140	2,095	2,207	2,120	2,153	2,408	2,344	2,340	2,302
<b>Total at work on part-time schedules for noneconomic reasons-usually work part time</b>												
1986	13,866	13,842	13,805	13,806	13,802	14,104	13,920	13,917	13,932	14,274	14,055	13,832
1987	14,155	14,135	14,210	14,286	14,518	15,015	14,378	14,548	14,309	14,557	14,499	14,676
1988	14,594	14,626	14,601	14,856	14,809	14,708	14,970	14,938	15,183	15,201	15,535	15,356
1989	15,438	15,135	15,481	15,415	15,320	15,532	15,562	15,513	15,446	15,369	15,295	15,399
1990	15,000	15,371	15,427	15,256	15,557	15,190	15,263	15,317	15,250	15,129	15,048	15,081
<b>Nonagricultural workers on part-time schedules for economic reasons</b>												
1986	5,282	5,096	5,298	5,563	5,633	5,368	5,178	5,307	5,370	5,512	5,265	5,342
1987	5,168	5,307	5,157	5,104	5,111	4,951	5,194	5,054	5,028	5,165	5,235	5,005
1988	5,077	5,082	5,069	4,931	4,704	5,033	5,217	5,001	4,834	4,753	4,763	5,048
1989	4,779	4,683	4,684	4,908	4,658	4,748	4,831	4,606	4,588	4,512	4,549	4,543
1990	4,661	4,669	4,708	4,680	4,689	4,745	4,780	4,830	5,051	5,135	5,163	5,262
<b>Nonagricultural workers on part-time schedules for economic reasons-slack work</b>												
1986	2,211	2,187	2,141	2,400	2,570	2,319	2,287	2,260	2,369	2,346	2,363	2,279
1987	2,251	2,272	2,190	2,156	2,162	2,165	2,234	2,276	2,103	2,250	2,249	2,090
1988	2,218	2,275	2,273	2,116	2,165	2,186	2,303	2,187	2,109	2,089	2,099	2,356
1989	2,144	2,127	2,054	2,227	2,131	2,194	2,154	2,164	2,178	2,203	2,138	2,079
1990	2,206	2,183	2,252	2,246	2,306	2,297	2,399	2,290	2,482	2,467	2,625	2,742
<b>Nonagricultural workers on part-time schedules for economic reasons-could only find part-time work</b>												
1986	2,785	2,621	2,829	2,796	2,754	2,718	2,626	2,724	2,702	2,755	2,593	2,764
1987	2,612	2,686	2,603	2,639	2,610	2,454	2,645	2,468	2,621	2,583	2,626	2,528
1988	2,537	2,453	2,464	2,377	2,249	2,469	2,594	2,461	2,298	2,335	2,271	2,326
1989	2,254	2,242	2,300	2,312	2,281	2,193	2,148	2,087	2,072	1,993	2,088	2,063
1990	2,135	2,138	2,061	2,093	2,045	2,136	2,102	2,084	2,333	2,261	2,262	2,218
<b>Nonagricultural workers on part-time schedules for noneconomic reasons-usually work part time</b>												
1986	13,373	13,414	13,397	13,396	13,338	13,624	13,497	13,535	13,514	13,813	13,602	13,427
1987	13,724	13,674	13,739	13,817	13,984	14,481	13,883	14,088	13,904	14,102	14,071	14,178
1988	14,124	14,181	14,157	14,353	14,320	14,248	14,542	14,527	14,744	14,720	15,090	14,906
1989	15,002	14,701	15,058	14,982	14,919	15,068	15,113	15,045	15,018	14,927	14,873	14,968
1990	14,579	14,921	14,951	14,841	15,002	14,668	14,853	14,861	14,823	14,715	14,658	14,650

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Total employment-population ratio, including resident Armed Forces</b>												
1986	61.0	60.7	60.8	60.8	60.9	61.1	61.1	61.2	61.2	61.3	61.4	61.4
1987	61.4	61.5	61.5	61.7	61.9	61.8	61.9	62.1	62.0	62.2	62.2	62.4
1988	62.4	62.5	62.3	62.6	62.3	62.8	62.8	62.7	62.7	62.8	63.0	63.0
1989	63.2	63.2	63.3	63.3	63.2	63.3	63.3	63.3	63.2	63.3	63.4	63.4
1990	63.3	63.3	63.4	63.2	63.3	63.2	63.0	62.8	62.9	62.8	62.5	62.6
<b>Total employment-population ratio, including resident Armed Forces, men</b>												
1986	71.8	71.4	71.5	71.4	71.3	71.4	71.4	71.4	71.5	71.4	71.6	71.7
1987	71.8	71.8	71.7	71.8	72.0	71.7	71.9	72.1	72.1	72.2	72.3	72.3
1988	72.4	72.5	72.1	72.7	72.4	72.6	72.6	72.6	72.6	72.5	72.6	72.5
1989	72.7	72.8	73.0	73.0	72.9	73.2	73.1	73.0	72.6	72.9	72.9	72.9
1990	72.7	72.6	72.7	72.6	72.6	72.4	72.1	72.0	72.2	72.1	71.9	71.9
<b>Total employment-population ratio, including resident Armed Forces, women</b>												
1986	51.0	50.9	51.1	51.1	51.3	51.6	51.7	51.8	51.7	51.9	51.8	51.8
1987	51.8	52.0	52.2	52.3	52.7	52.6	52.7	52.9	52.7	52.9	53.0	53.2
1988	53.2	53.2	53.3	53.3	53.0	53.4	53.4	53.8	53.6	53.9	54.1	54.2
1989	54.5	54.3	54.3	54.3	54.3	54.2	54.3	54.4	54.6	54.4	54.6	54.5
1990	54.6	54.6	54.7	54.8	54.7	54.7	54.5	54.4	54.3	54.1	53.8	54.0
<b>Civilian employment-population ratio, all civilian workers</b>												
1986	60.6	60.3	60.5	60.5	60.5	60.7	60.8	60.8	60.8	60.9	60.9	61.0
1987	61.0	61.1	61.2	61.3	61.6	61.4	61.6	61.8	61.7	61.8	61.9	62.0
1988	62.0	62.1	61.9	62.2	62.0	62.3	62.3	62.3	62.4	62.5	62.7	62.7
1989	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	62.9	62.9	63.1	63.0
1990	63.0	63.0	63.0	62.9	63.0	62.9	62.7	62.5	62.6	62.4	62.2	62.3
<b>Civilian employment-population ratio, men</b>												
1986	71.3	70.9	70.9	70.9	70.8	70.9	70.9	70.9	70.9	70.9	71.1	71.2
1987	71.3	71.3	71.2	71.3	71.5	71.2	71.4	71.6	71.8	71.7	71.8	71.8
1988	71.9	72.0	71.6	72.2	71.9	72.1	72.1	72.1	72.2	72.1	72.1	72.1
1989	72.2	72.4	72.6	72.5	72.4	72.7	72.6	72.5	72.1	72.5	72.4	72.5
1990	72.3	72.3	72.3	72.2	72.1	72.0	71.6	71.5	71.7	71.7	71.5	71.4
<b>Civilian employment-population ratio, women</b>												
1986	50.9	50.8	51.0	51.0	51.2	51.5	51.8	51.7	51.7	51.8	51.7	51.7
1987	51.8	51.9	52.1	52.3	52.6	52.5	52.7	52.9	52.6	52.8	52.9	53.1
1988	53.1	53.2	53.2	53.2	52.9	53.3	53.3	53.5	53.5	53.8	54.0	54.1
1989	54.4	54.3	54.2	54.3	54.2	54.2	54.2	54.3	54.5	54.3	54.6	54.4
1990	54.5	54.5	54.6	54.5	54.6	54.6	54.5	54.3	54.2	54.1	53.7	53.9
<b>Civilian employment-population ratio, both sexes, 16 to 19 years</b>												
1986	43.6	44.3	45.0	45.0	45.0	44.8	44.6	44.8	44.7	45.2	44.4	44.0
1987	44.5	45.0	44.7	45.0	45.7	44.8	45.4	47.1	45.5	45.6	45.5	46.6
1988	48.7	46.8	45.1	45.8	45.9	48.3	47.7	47.5	47.5	46.8	47.3	47.1
1989	46.6	46.9	47.2	47.5	47.3	47.7	47.5	48.4	47.3	48.0	48.0	47.5
1990	47.2	46.9	47.9	47.0	46.2	45.4	44.2	42.8	44.8	44.4	43.8	44.0
<b>Civilian employment-population ratio, men, 16 to 19 years</b>												
1986	44.4	45.3	45.4	46.0	46.2	45.7	45.9	45.8	46.3	46.2	45.7	44.5
1987	45.6	46.5	45.2	45.3	45.5	45.4	45.6	47.4	46.5	46.6	46.0	47.3
1988	47.8	47.3	45.5	47.1	47.5	49.1	48.2	48.8	48.4	47.3	48.7	47.9
1989	46.5	47.7	48.5	48.5	48.0	49.2	49.8	50.1	48.0	49.2	48.4	46.7
1990	48.5	48.4	48.6	48.6	47.6	46.1	44.9	43.7	45.9	46.0	45.3	45.7
<b>Civilian employment-population ratio, women, 16 to 19 years</b>												
1986	42.8	43.3	44.7	43.9	43.7	43.9	43.4	43.7	43.1	44.2	43.1	43.6
1987	43.4	43.5	44.3	44.8	46.0	44.1	45.1	46.8	44.4	44.5	45.1	45.8
1988	45.7	45.9	44.7	44.4	44.4	47.4	47.1	46.2	46.5	46.3	45.8	46.3
1989	46.8	46.0	45.8	48.4	46.5	46.1	45.2	46.7	46.5	46.8	47.5	46.2
1990	45.9	45.4	47.2	45.4	44.8	44.7	43.5	41.9	43.6	42.8	42.3	42.4



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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 20 years and over												
1986	62.1	61.7	61.8	61.8	61.9	62.1	62.2	62.2	62.2	62.2	62.4	62.5
1987	62.5	62.5	62.6	62.7	63.0	62.9	63.0	63.0	63.1	63.2	63.3	63.3
1988	63.4	63.4	63.4	63.6	63.3	63.5	63.5	63.6	63.7	63.8	64.0	64.0
1989	64.2	64.2	64.3	64.2	64.2	64.3	64.2	64.2	64.2	64.2	64.3	64.3
1990	64.3	64.3	64.3	64.2	64.3	64.3	64.1	64.1	64.0	63.9	63.6	63.7
Civilian employment-population ratio, men, 20 years and over												
1986	73.8	73.3	73.3	73.2	73.1	73.2	73.2	73.2	73.2	73.2	73.5	73.7
1987	73.6	73.6	73.6	73.7	73.9	73.6	73.8	73.8	74.0	74.0	74.2	74.1
1988	74.1	74.2	74.0	74.5	74.2	74.2	74.3	74.2	74.3	74.3	74.2	74.2
1989	74.5	74.5	74.7	74.6	74.5	74.8	74.6	74.5	74.2	74.5	74.5	74.5
1990	74.3	74.4	74.3	74.1	74.2	74.1	73.9	73.8	73.8	73.8	73.7	73.5
Civilian employment-population ratio, women, 20 years and over												
1986	51.8	51.4	51.5	51.6	51.8	52.1	52.3	52.4	52.4	52.4	52.4	52.4
1987	52.4	52.6	52.7	52.9	53.2	53.2	53.3	53.4	53.3	53.5	53.6	53.7
1988	53.7	53.7	53.9	53.9	53.6	53.8	53.8	54.1	54.1	54.4	54.7	54.8
1989	55.0	54.9	54.8	54.9	54.8	54.8	54.9	54.9	55.1	54.8	55.1	55.1
1990	55.2	55.2	55.2	55.2	55.4	55.4	55.3	55.2	55.0	54.9	54.6	54.7
Civilian employment-population ratio, both sexes, 20 to 24 years												
1986	70.3	70.8	70.6	70.1	69.7	70.3	70.4	70.4	70.5	70.6	71.4	71.1
1987	71.4	71.2	71.2	71.0	71.3	70.6	71.2	71.6	71.5	71.5	71.9	71.5
1988	72.4	72.3	71.6	72.0	71.0	71.6	71.8	72.0	72.3	72.0	71.8	71.9
1989	71.7	72.1	72.5	72.3	71.9	72.2	72.6	72.4	71.6	71.1	71.5	70.6
1990	71.2	71.3	71.3	71.0	71.2	71.1	71.0	70.6	70.5	70.3	70.6	70.7
Civilian employment-population ratio, men, 20 to 24 years												
1986	76.8	77.1	76.9	75.5	74.8	75.8	76.1	76.1	76.0	76.8	77.3	77.4
1987	77.0	76.8	76.7	76.6	76.7	75.7	76.8	77.3	77.4	77.0	77.3	76.6
1988	77.1	77.3	77.1	77.6	77.1	77.1	77.4	77.9	78.6	77.5	77.8	77.5
1989	77.4	78.5	78.8	78.1	77.5	78.0	77.4	77.5	77.1	77.5	77.4	77.0
1990	76.9	77.0	76.9	76.6	76.8	76.8	76.8	76.2	76.2	75.9	76.4	76.8
Civilian employment-population ratio, women, 20 to 24 years												
1986	64.2	64.4	64.7	64.9	64.8	65.1	64.9	65.0	65.4	64.6	65.9	65.2
1987	66.1	65.9	66.1	65.7	66.2	65.8	65.9	66.2	65.9	66.4	66.9	66.7
1988	67.9	67.6	66.4	66.6	65.3	66.4	66.2	68.4	66.5	66.9	66.1	66.7
1989	66.2	66.0	68.6	66.8	66.7	66.9	68.0	87.6	66.5	65.2	66.0	64.5
1990	65.7	65.9	66.1	65.8	65.9	65.7	65.5	65.3	65.2	65.1	65.2	65.0
Civilian employment-population ratio, both sexes, 25 years and over												
1986	61.0	60.5	60.7	60.7	60.8	61.0	61.1	61.2	61.1	61.1	61.2	61.3
1987	61.3	61.4	61.5	61.6	61.9	61.9	62.0	62.0	62.0	62.2	62.2	62.3
1988	62.3	62.3	62.4	62.6	62.4	62.5	62.6	62.6	62.6	62.8	63.0	63.0
1989	63.4	63.3	63.3	63.3	63.2	63.3	63.3	63.3	63.3	63.3	63.4	63.5
1990	63.5	63.5	63.4	63.4	63.5	63.5	63.4	63.4	63.2	63.1	62.8	62.8
Civilian employment-population ratio, men, 25 years and over												
1986	73.4	72.7	72.9	72.9	72.8	72.9	72.8	72.9	72.8	72.6	73.0	73.2
1987	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.5	73.6	73.8	73.8
1988	73.7	73.8	73.6	74.1	73.7	73.8	73.9	73.8	73.8	73.8	73.8	73.8
1989	74.2	74.1	74.2	74.2	74.1	74.4	74.3	74.2	73.9	74.1	74.1	74.2
1990	74.0	74.0	74.0	73.8	73.9	73.8	73.6	73.6	73.6	73.5	73.4	73.1
Civilian employment-population ratio, women, 25 years and over												
1986	49.9	49.7	49.8	49.8	50.1	50.4	50.7	50.7	50.7	50.8	50.6	50.7
1987	50.7	51.0	51.0	51.3	51.6	51.6	51.8	51.8	51.7	51.9	51.9	52.1
1988	52.0	52.1	52.4	52.4	52.2	52.3	52.4	52.6	52.6	52.9	53.3	53.3
1989	53.7	53.6	53.5	53.5	53.5	53.4	53.5	53.5	53.8	53.7	53.9	54.0
1990	54.0	54.0	54.0	54.0	54.2	54.3	54.3	54.2	53.9	53.8	53.4	53.6

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 25 to 54 years												
1986	77.3	76.8	77.0	77.0	77.0	77.2	77.3	77.5	77.6	77.6	77.6	77.8
1987	77.7	77.9	78.0	78.2	78.4	78.4	78.5	78.5	78.7	78.7	78.8	78.8
1988	78.8	78.8	79.0	79.2	79.0	79.0	79.2	79.2	79.3	79.4	79.6	79.6
1989	79.9	79.9	79.8	79.7	79.7	79.9	79.8	79.9	80.0	80.0	80.1	80.2
1990	80.0	80.1	80.0	79.9	80.0	80.0	79.9	79.7	79.7	79.6	79.2	79.1
Civilian employment-population ratio, men, 25 to 54 years												
1986	89.0	88.4	88.5	88.5	88.3	88.4	88.4	88.6	88.6	88.3	88.5	88.8
1987	88.7	88.7	88.8	88.9	89.0	88.8	89.0	89.0	89.2	89.2	89.3	89.3
1988	89.4	89.5	89.4	89.8	89.4	89.3	89.6	89.4	89.5	89.5	89.5	89.5
1989	89.8	89.7	89.9	89.8	89.8	90.0	89.9	90.0	89.8	89.9	89.9	90.1
1990	89.7	89.8	89.7	89.4	89.4	89.3	89.1	88.9	89.1	89.1	88.7	88.4
Civilian employment-population ratio, women, 25 to 54 years												
1986	66.2	65.8	66.0	66.1	66.2	66.5	66.8	66.9	67.1	67.4	67.1	67.4
1987	67.1	67.5	67.7	68.0	68.4	68.4	68.5	68.5	68.6	68.6	68.7	68.8
1988	68.7	68.7	69.2	69.0	69.1	69.2	69.3	69.5	69.4	69.7	70.1	70.2
1989	70.5	70.4	70.2	70.3	70.1	70.2	70.2	70.3	70.7	70.5	70.8	70.7
1990	70.8	70.7	70.7	70.7	71.0	71.1	71.1	70.9	70.6	70.4	70.0	70.2
Civilian employment-population ratio, both sexes, 25 to 34 years												
1986	77.3	76.7	77.0	77.0	78.9	77.2	77.0	77.2	77.4	77.2	77.6	77.6
1987	77.2	77.7	77.9	78.2	78.2	78.3	78.6	78.6	78.6	78.7	78.7	78.7
1988	78.6	78.8	78.7	79.0	78.9	78.6	78.8	78.6	78.7	78.8	78.8	79.4
1989	79.5	79.4	79.3	79.2	79.0	79.2	79.4	79.4	79.9	79.7	80.0	79.8
1990	79.7	79.6	79.6	79.5	79.5	79.5	78.9	78.9	78.8	78.8	78.4	78.5
Civilian employment-population ratio, men, 25 to 34 years												
1986	89.2	88.4	88.5	88.2	87.8	88.2	87.7	88.4	88.3	87.6	88.4	88.5
1987	88.2	88.6	88.6	88.8	89.0	88.9	89.2	89.0	89.2	89.3	89.4	89.3
1988	89.5	89.6	89.0	89.6	89.0	88.7	89.4	88.9	89.4	89.7	89.3	89.8
1989	90.1	89.8	90.0	89.6	89.6	89.9	89.9	90.2	89.9	89.8	90.1	90.1
1990	89.7	89.6	89.7	89.4	89.5	89.3	88.6	88.6	88.6	88.7	88.6	88.0
Civilian employment-population ratio, women, 25 to 34 years												
1986	65.9	65.4	66.0	66.2	66.3	66.5	66.6	66.5	66.8	67.2	67.1	67.0
1987	66.5	67.1	67.5	67.9	67.7	68.1	68.3	68.5	68.3	68.5	68.5	68.4
1988	68.1	68.4	68.7	68.7	69.0	68.8	68.5	68.6	68.3	68.4	68.7	69.2
1989	69.2	69.3	69.0	69.1	68.6	68.9	69.2	69.0	70.3	69.8	70.2	69.8
1990	70.1	69.8	69.8	69.8	69.8	69.9	69.6	69.5	69.3	69.1	68.5	69.2
Civilian employment-population ratio, both sexes, 35 to 44 years												
1986	79.3	78.7	78.9	79.0	79.1	79.3	79.7	79.9	79.9	79.9	79.4	80.0
1987	80.2	80.3	80.2	80.4	80.7	80.4	80.5	80.6	80.7	80.7	80.8	80.7
1988	80.7	80.5	81.0	81.1	80.8	81.2	81.4	81.5	81.7	81.7	82.1	81.6
1989	82.0	82.0	81.9	81.8	81.9	82.1	81.9	81.8	81.5	81.7	81.6	82.0
1990	82.0	82.3	82.2	82.0	82.2	82.0	82.1	81.9	81.5	81.4	81.1	80.9
Civilian employment-population ratio, men, 35 to 44 years												
1986	90.2	89.3	89.8	90.1	89.8	89.9	90.2	90.0	90.1	90.0	89.8	90.2
1987	90.7	90.4	90.3	90.3	90.1	90.2	90.3	90.6	90.7	90.5	90.6	90.5
1988	90.5	90.3	90.5	90.8	90.7	91.1	91.2	91.3	91.2	91.1	91.2	90.7
1989	90.8	91.0	91.1	90.6	91.1	91.4	91.2	90.8	90.8	91.0	90.8	91.2
1990	91.0	91.3	91.3	91.0	91.0	90.7	90.7	90.3	90.3	90.2	90.1	89.9
Civilian employment-population ratio, women, 35 to 44 years												
1986	69.0	68.7	68.6	68.6	69.0	69.2	69.7	70.3	70.3	70.2	69.5	70.4
1987	70.3	70.6	70.6	71.1	71.6	71.1	71.2	71.1	71.2	71.4	71.4	71.3
1988	71.3	71.0	71.9	71.9	71.3	71.8	72.0	72.1	72.6	72.7	73.3	72.8
1989	73.6	73.3	73.2	73.0	73.2	73.1	72.9	73.3	72.6	72.8	72.7	73.2
1990	73.4	73.6	73.4	73.3	73.7	73.5	73.9	73.7	73.1	73.1	72.5	72.3

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 45 to 54 years												
1986	74.5	74.4	74.2	74.2	74.1	74.3	74.6	74.5	74.8	75.1	74.9	75.2
1987	74.9	74.7	75.0	75.1	75.6	75.4	75.4	75.4	75.8	75.6	75.8	76.4
1988	76.4	76.5	76.7	76.7	76.8	76.6	76.8	77.1	76.8	77.0	77.3	77.3
1989	77.7	77.7	77.6	78.0	77.9	77.9	77.6	77.9	78.1	78.0	78.3	78.1
1990	77.7	77.6	77.5	77.5	77.6	78.1	78.3	78.0	78.2	78.1	77.6	77.4
Civilian employment-population ratio, men, 45 to 54 years												
1986	87.0	87.1	86.8	86.8	86.8	86.8	86.9	87.1	87.2	87.2	86.9	87.2
1987	86.9	86.5	86.8	86.8	87.1	86.7	86.7	86.9	87.0	87.0	87.2	87.6
1988	87.6	88.0	88.2	88.7	88.3	87.8	87.6	87.6	87.3	87.1	87.5	87.3
1989	87.8	87.7	87.9	88.3	88.2	88.3	88.1	88.4	88.2	88.5	88.3	88.5
1990	87.7	87.8	87.3	87.0	86.8	87.3	87.6	87.5	88.0	87.9	86.9	86.7
Civilian employment-population ratio, women, 45 to 54 years												
1986	62.9	62.4	62.4	62.4	62.1	62.6	63.1	62.8	63.2	63.8	63.7	63.9
1987	63.6	63.7	63.9	64.0	64.8	64.9	64.8	64.8	65.2	64.9	65.1	65.9
1988	65.9	65.8	65.9	65.4	66.0	66.1	66.7	67.2	67.0	67.6	67.7	67.9
1989	68.3	68.3	67.9	68.3	68.1	68.0	67.7	68.0	68.6	68.2	68.8	68.4
1990	68.3	68.1	68.3	68.5	68.9	69.5	69.6	69.2	69.0	68.8	68.8	68.6
Civilian employment-population ratio, both sexes, 55 years and over												
1986	29.1	28.6	28.8	28.8	29.1	29.3	29.3	29.2	28.9	28.7	28.9	28.8
1987	29.0	28.8	28.9	28.8	29.0	29.1	29.1	29.1	29.0	29.3	29.2	29.3
1988	29.0	29.2	29.0	29.2	28.8	29.0	28.9	29.0	29.1	29.2	29.5	29.3
1989	29.6	29.3	29.6	29.5	29.5	29.4	29.5	29.1	29.2	29.3	29.2	29.3
1990	29.2	29.2	29.3	29.2	29.4	29.3	29.2	29.3	29.4	29.1	29.0	29.1
Civilian employment-population ratio, men, 55 years and over												
1986	39.4	38.5	38.8	38.9	39.1	38.9	38.7	38.4	38.4	38.4	38.7	39.0
1987	38.9	38.8	39.0	38.8	39.1	39.0	38.8	38.7	38.8	39.1	39.2	39.3
1988	38.6	38.9	38.5	38.7	38.5	38.7	38.6	38.6	38.5	38.5	38.3	38.4
1989	38.6	38.5	38.7	38.9	38.4	38.6	38.6	37.9	37.8	38.1	37.9	37.9
1990	38.0	37.9	38.0	37.8	38.0	38.0	37.9	38.0	38.1	37.8	37.8	38.0
Civilian employment-population ratio, women, 55 years and over												
1986	21.0	20.9	20.9	21.0	21.3	21.8	21.9	21.9	21.4	21.1	21.1	20.8
1987	21.2	21.0	21.0	20.9	21.1	21.4	21.5	21.5	21.3	21.6	21.5	21.5
1988	21.6	21.6	21.6	21.8	21.3	21.4	21.3	21.5	21.8	22.0	22.6	22.2
1989	22.5	22.2	22.4	22.2	22.5	22.2	22.3	22.2	22.4	22.3	22.4	22.6
1990	22.3	22.4	22.5	22.5	22.6	22.5	22.4	22.5	22.5	22.2	22.1	22.1
Civilian employment-population ratio, both sexes, 55 to 64 years												
1986	51.5	50.9	51.3	51.4	51.9	52.4	52.4	52.4	51.8	51.8	51.9	51.9
1987	52.4	52.1	52.2	52.3	52.5	52.6	52.5	52.2	52.5	52.9	52.9	53.0
1988	52.6	52.8	52.6	53.1	52.4	52.5	52.6	52.8	53.0	53.1	53.0	53.3
1989	53.7	53.5	53.9	53.9	53.7	53.9	53.9	53.3	53.7	53.7	53.9	54.0
1990	53.7	53.8	53.8	53.7	54.1	54.1	54.2	54.2	54.2	54.1	53.8	54.3
Civilian employment-population ratio, men, 55 to 64 years												
1986	64.3	63.2	64.0	64.3	64.9	64.6	64.4	64.2	64.3	64.5	64.7	65.0
1987	65.3	65.1	65.4	65.1	65.3	65.0	65.0	64.2	64.9	65.2	65.3	65.4
1988	64.8	65.2	64.8	65.2	64.7	64.5	64.6	64.6	64.6	64.5	64.1	64.5
1989	64.5	64.6	65.2	65.5	64.9	65.6	65.4	64.2	64.8	64.7	65.0	64.5
1990	64.4	64.5	64.7	64.6	65.1	65.3	65.1	65.4	65.7	65.5	65.5	66.0
Civilian employment-population ratio, women, 55 to 64 years												
1986	40.1	40.0	40.1	40.1	40.5	41.6	41.8	42.0	40.8	40.5	40.6	40.2
1987	41.0	40.6	40.4	40.9	41.2	41.6	41.4	41.6	41.4	42.1	41.9	41.9
1988	41.7	41.8	41.8	42.3	41.5	41.9	41.8	42.3	42.7	43.0	43.2	43.3
1989	44.0	43.5	43.8	43.7	43.6	43.5	43.6	43.5	43.8	43.8	44.0	44.6
1990	44.2	44.3	44.2	44.0	44.3	44.0	44.4	44.3	44.0	43.8	43.3	43.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Civilian employment-population ratio, both sexes, 65 years and over</b>												
1986	10.8	10.6	10.6	10.7	10.7	10.7	10.8	10.6	10.6	10.3	10.6	10.6
1987	10.5	10.5	10.6	10.4	10.7	10.9	11.0	10.8	10.8	11.1	11.1	11.2
1988	11.0	11.2	11.0	11.1	10.9	11.2	10.9	11.0	11.1	11.3	11.8	11.4
1989	11.5	11.5	11.6	11.6	11.8	11.4	11.6	11.4	11.2	11.4	11.2	11.5
1990	11.5	11.6	11.6	11.7	11.7	11.7	11.4	11.6	11.7	11.3	11.3	11.3
<b>Civilian employment-population ratio, men, 65 years and over</b>												
1986	16.3	15.7	15.7	15.7	15.5	15.5	15.4	15.1	15.0	14.8	15.3	15.7
1987	15.3	15.2	15.5	15.4	15.9	16.2	15.8	16.3	16.0	16.4	16.4	16.5
1988	15.7	16.1	15.8	15.9	15.9	16.5	16.1	16.2	16.2	16.3	16.4	16.4
1989	16.6	16.5	16.6	16.7	16.4	16.2	16.4	16.0	15.4	16.1	15.6	16.2
1990	16.4	16.3	16.3	16.1	16.1	15.9	15.9	15.9	15.9	15.4	15.4	15.5
<b>Civilian employment-population ratio, women, 65 years and over</b>												
1986	7.1	7.0	6.9	7.1	7.3	7.4	7.5	7.5	7.4	7.2	7.2	7.0
1987	7.2	7.1	7.2	6.9	7.0	7.2	7.6	7.5	7.2	7.3	7.3	7.4
1988	7.7	7.7	7.7	7.8	7.4	7.4	7.3	7.4	7.5	7.7	8.5	7.9
1989	8.0	7.9	8.0	8.0	8.5	8.0	8.2	8.1	8.2	8.1	8.1	8.2
1990	8.1	8.2	8.3	8.5	8.6	8.7	8.3	8.4	8.6	8.4	8.4	8.3
<b>Civilian employment-population ratio, white workers</b>												
1986	61.5	61.1	61.3	61.3	61.3	61.6	61.6	61.8	61.7	61.7	61.8	61.9
1987	61.9	61.9	62.0	62.1	62.4	62.2	62.3	62.5	62.4	62.6	62.6	62.8
1988	62.8	62.9	62.8	63.1	62.9	63.1	63.0	63.1	63.2	63.3	63.5	63.5
1989	63.7	63.7	63.8	63.8	63.7	63.8	63.7	63.8	63.6	63.6	63.9	63.9
1990	63.8	63.8	63.8	63.7	63.8	63.8	63.7	63.5	63.6	63.5	63.2	63.3
<b>Civilian employment-population ratio, white men</b>												
1986	72.7	72.2	72.2	72.2	72.0	72.2	72.2	72.3	72.3	72.3	72.5	72.6
1987	72.5	72.5	72.4	72.5	72.8	72.5	72.6	72.8	72.8	72.9	73.0	73.1
1988	73.0	73.2	72.9	73.3	73.1	73.3	73.3	73.3	73.3	73.2	73.4	73.3
1989	73.5	73.6	73.9	73.6	73.6	73.9	73.8	73.8	73.3	73.8	73.7	73.8
1990	73.7	73.6	73.6	73.4	73.4	73.3	73.1	72.9	73.1	73.0	72.9	72.7
<b>Civilian employment-population ratio, white women</b>												
1986	51.2	51.0	51.2	51.3	51.4	51.8	52.0	52.1	52.0	52.1	52.0	52.1
1987	52.1	52.2	52.4	52.6	52.9	52.7	52.9	53.1	52.9	53.1	53.1	53.3
1988	53.3	53.4	53.5	53.7	53.4	53.7	53.5	53.8	53.8	54.1	54.3	54.4
1989	54.7	54.5	54.4	54.5	54.5	54.4	54.4	54.5	54.7	54.6	54.8	54.8
1990	54.8	54.8	54.9	54.8	55.0	55.1	55.0	54.8	54.8	54.6	54.3	54.5
<b>Civilian employment-population ratio, white workers, 16 to 19 years</b>												
1986	47.8	48.5	49.2	48.8	49.0	48.6	48.5	48.8	48.9	49.4	48.9	48.5
1987	48.9	49.1	48.7	49.1	50.0	48.8	49.3	50.2	49.0	49.5	49.6	50.8
1988	51.0	51.1	49.1	49.9	50.0	52.6	51.5	51.1	51.4	50.7	51.7	51.3
1989	51.2	50.8	51.4	51.6	51.3	51.6	50.8	52.5	51.5	52.0	52.2	51.1
1990	51.2	51.2	51.7	50.9	50.4	49.7	48.7	47.1	49.2	49.0	48.6	49.0
<b>Civilian employment-population ratio, white men, 16 to 19 years</b>												
1986	48.9	49.0	49.3	49.7	49.8	49.7	49.8	49.5	50.5	50.5	50.2	48.8
1987	49.7	50.4	48.9	48.9	49.6	49.2	49.5	50.3	50.1	50.4	50.0	51.4
1988	52.2	51.8	49.7	50.6	50.8	53.1	51.8	52.1	52.0	50.8	53.2	52.3
1989	51.0	51.2	52.6	52.7	52.2	52.7	53.1	54.2	52.3	53.0	52.8	52.1
1990	52.9	52.7	52.5	52.4	51.6	50.8	49.6	48.0	50.2	50.5	50.1	50.6
<b>Civilian employment-population ratio, white women, 18 to 19 years</b>												
1986	46.8	47.9	49.2	48.0	48.1	47.9	47.1	48.1	47.3	48.4	47.6	48.2
1987	48.2	47.9	48.5	49.3	50.5	48.3	49.1	50.2	47.9	48.5	49.1	50.1
1988	49.9	50.4	48.5	49.3	49.2	52.2	51.1	50.0	50.7	50.6	50.0	50.3
1989	51.3	50.3	50.2	50.5	50.4	50.8	48.5	50.8	50.7	51.0	51.6	50.0
1990	49.5	49.6	50.8	49.3	49.1	48.6	47.8	46.2	48.3	47.4	47.1	47.5

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, white workers, 20 years and over												
1986	62.6	62.2	62.3	62.3	62.3	62.6	62.7	62.9	62.8	62.8	62.9	63.0
1987	62.9	63.0	63.1	63.2	63.5	63.3	63.4	63.5	63.5	63.6	63.7	63.7
1988	63.7	63.9	63.9	64.2	63.9	64.0	63.9	64.1	64.1	64.3	64.4	64.4
1989	64.7	64.7	64.7	64.7	64.6	64.7	64.7	64.6	64.6	64.7	64.8	64.9
1990	64.8	64.8	64.8	64.7	64.8	64.9	64.8	64.7	64.7	64.5	64.3	64.3
Civilian employment-population ratio, white men, 20 years and over												
1986	74.7	74.2	74.2	74.2	74.0	74.2	74.1	74.3	74.2	74.2	74.4	74.7
1987	74.5	74.4	74.4	74.5	74.8	74.5	74.6	74.7	74.8	74.8	74.9	75.0
1988	74.8	75.1	74.9	75.3	75.1	75.0	75.2	75.1	75.1	75.1	75.1	75.1
1989	75.4	75.4	75.6	75.6	75.4	75.6	75.5	75.4	75.0	75.4	75.4	75.5
1990	75.3	75.3	75.2	75.0	75.1	75.0	74.9	74.9	74.9	74.8	74.6	74.4
Civilian employment-population ratio, white women, 20 years and over												
1986	51.5	51.2	51.4	51.5	51.7	52.1	52.3	52.4	52.4	52.4	52.3	52.4
1987	52.4	52.5	52.7	52.8	53.1	53.1	53.2	53.3	53.3	53.4	53.4	53.5
1988	53.6	53.7	53.9	54.0	53.8	53.9	53.7	54.1	54.1	54.3	54.6	54.7
1989	54.9	54.8	54.8	54.8	54.8	54.7	54.8	54.8	55.0	54.9	55.1	55.1
1990	55.2	55.2	55.2	55.2	55.4	55.5	55.5	55.4	55.3	55.1	54.8	55.0
Civilian employment-population ratio, black workers												
1986	54.0	53.9	54.3	54.5	54.6	54.3	54.0	53.2	53.8	54.1	54.1	54.3
1987	54.3	54.9	54.7	54.9	54.9	55.4	55.8	56.4	55.8	56.4	56.5	56.5
1988	56.4	56.0	55.5	55.8	55.6	55.7	56.7	56.7	56.7	56.9	57.0	57.1
1989	56.8	56.8	56.9	56.4	56.8	56.9	57.4	57.0	56.8	56.6	56.7	56.5
1990	56.6	56.8	57.0	57.0	57.0	56.6	55.7	55.5	55.6	55.7	55.5	55.2
Civilian employment-population ratio, black men												
1986	60.7	60.5	61.0	60.9	61.5	61.0	60.6	59.4	59.9	60.3	60.5	61.2
1987	61.2	61.5	61.6	61.6	61.2	61.7	62.2	62.8	62.5	62.6	62.7	62.5
1988	62.7	62.2	61.5	62.9	62.5	62.5	62.6	63.2	63.1	63.2	62.9	63.0
1989	62.8	62.8	63.1	62.0	62.4	63.3	63.6	62.9	62.5	62.5	62.5	62.4
1990	61.6	62.3	62.4	62.4	62.3	62.3	61.5	61.0	61.4	61.7	61.6	61.5
Civilian employment-population ratio, black women												
1986	48.5	48.5	48.9	49.2	49.1	48.9	48.7	48.2	48.8	49.2	49.0	48.7
1987	48.8	49.5	49.2	49.5	49.8	50.3	50.7	51.3	50.5	51.4	51.4	51.6
1988	51.2	50.9	50.6	50.1	50.0	50.2	52.0	51.4	51.4	51.8	52.1	52.2
1989	52.0	51.9	51.9	51.9	52.2	51.7	52.4	52.2	52.1	51.7	51.9	51.7
1990	52.5	52.3	52.6	52.6	52.8	51.9	51.1	51.0	50.8	50.9	50.6	50.0
Civilian employment-population ratio, black workers, 16 to 19 years												
1986	25.0	25.6	25.6	25.8	26.5	26.3	24.1	22.5	24.5	25.9	24.5	24.4
1987	24.9	26.0	25.5	24.9	25.4	26.3	26.7	31.7	29.2	28.7	28.1	28.0
1988	26.9	25.0	24.4	25.8	27.4	28.0	29.0	29.4	28.6	28.7	28.4	28.9
1989	26.8	28.9	27.2	27.2	28.2	29.0	32.3	29.7	26.4	28.6	29.6	31.2
1990	30.9	27.8	29.2	29.1	27.3	26.0	24.6	23.9	26.0	25.8	25.2	23.6
Civilian employment-population ratio, black men, 16 to 19 years												
1986	26.0	28.0	26.6	27.4	29.5	27.0	25.3	24.8	25.7	25.7	24.9	25.8
1987	28.4	27.3	27.1	26.2	25.8	27.8	28.3	33.1	29.3	29.6	29.9	29.2
1988	28.6	24.1	23.6	29.1	31.2	30.8	31.6	31.1	30.1	30.9	30.3	30.3
1989	28.0	31.3	30.1	26.2	26.3	34.0	36.6	32.8	26.6	30.2	31.1	33.3
1990	31.9	29.2	30.3	30.0	27.8	25.4	25.4	24.0	27.6	27.3	27.1	24.7
Civilian employment-population ratio, black women, 16 to 19 years												
1986	24.0	23.4	24.6	24.4	23.6	25.5	23.0	20.3	23.3	26.0	24.1	23.0
1987	21.6	24.8	24.0	23.6	25.0	24.8	25.1	30.4	29.1	27.8	26.2	26.9
1988	25.3	25.9	25.2	22.6	23.8	25.2	26.5	27.7	27.1	26.5	26.5	27.7
1989	25.6	26.6	24.5	28.1	29.9	24.0	28.2	26.6	26.3	27.0	28.1	29.0
1990	29.9	26.4	28.1	28.2	26.8	26.7	23.9	23.7	24.5	24.4	23.2	22.6

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, black workers, 20 years and over												
1986 .....	57.5	57.3	57.7	57.9	58.0	57.7	57.6	56.9	57.3	57.5	57.7	57.9
1987 .....	57.8	58.3	58.2	58.5	58.4	58.8	59.3	59.4	59.0	59.7	59.9	59.8
1988 .....	59.8	59.6	59.1	59.4	58.9	59.0	60.0	59.9	60.0	60.2	60.3	60.4
1989 .....	60.3	60.1	60.3	59.8	60.1	60.1	60.3	60.1	60.3	59.8	59.8	59.4
1990 .....	59.5	60.1	60.1	60.1	60.4	60.0	59.2	59.0	58.8	59.0	58.9	58.7
Civilian employment-population ratio, black men, 20 years and over												
1986 .....	65.3	64.9	65.5	65.4	65.7	65.5	65.2	64.0	64.4	64.8	65.2	65.9
1987 .....	65.5	66.1	66.1	66.2	65.9	66.2	66.7	66.7	66.8	67.0	67.1	66.9
1988 .....	67.2	67.1	66.5	67.3	66.6	66.6	66.7	67.4	67.5	67.4	67.2	67.3
1989 .....	67.3	66.9	67.3	66.6	67.1	67.0	67.1	66.8	67.2	66.7	66.5	66.1
1990 .....	65.4	66.8	66.4	66.5	66.6	66.9	65.9	65.6	65.5	65.9	66.0	66.0
Civilian employment-population ratio, black women, 20 years and over												
1986 .....	51.2	51.2	51.5	52.0	51.9	51.5	51.5	51.3	51.6	51.7	51.7	51.5
1987 .....	51.7	52.1	51.9	52.3	52.5	53.0	53.4	53.5	52.8	54.0	54.1	54.2
1988 .....	54.0	53.6	53.3	53.1	52.9	52.8	54.7	54.0	54.0	54.5	54.8	54.8
1989 .....	54.7	54.6	54.8	54.4	54.6	54.6	54.9	54.9	54.8	54.3	54.4	54.0
1990 .....	54.9	54.9	55.2	55.1	55.4	54.5	53.9	53.7	53.5	53.5	53.3	52.8
Civilian employment-population ratio, Hispanic-origin workers												
1986 .....	57.5	57.0	58.0	58.3	57.8	58.6	58.9	58.5	58.7	59.1	59.6	59.5
1987 .....	59.5	59.7	59.9	60.5	60.9	60.2	60.2	60.9	60.8	61.1	61.2	61.6
1988 .....	62.7	62.5	61.2	60.9	60.7	61.7	61.9	61.3	62.6	62.4	62.6	62.6
1989 .....	62.4	63.0	62.9	62.3	62.5	61.8	62.0	61.4	61.7	61.7	62.3	62.3
1990 .....	62.4	61.6	62.3	62.3	62.4	62.5	62.0	62.0	61.2	60.9	60.0	59.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed, all civilian workers</b>												
1986	7,795	8,402	8,383	8,364	8,439	8,508	8,319	8,135	8,310	8,243	8,159	7,883
1987	7,872	7,858	7,875	7,544	7,580	7,408	7,302	7,273	7,096	7,207	7,009	6,907
1988	6,928	6,910	6,903	6,600	6,812	6,592	6,663	6,846	6,597	6,531	6,482	6,465
1989	6,643	6,347	6,252	6,465	6,419	6,662	6,580	6,504	6,579	6,587	6,628	6,585
1990	6,544	6,579	6,563	6,691	6,662	6,560	6,827	7,015	7,087	7,142	7,337	7,600
<b>Unemployed men</b>												
1986	4,208	4,551	4,540	4,523	4,646	4,670	4,656	4,489	4,656	4,565	4,525	4,430
1987	4,379	4,369	4,324	4,189	4,253	4,170	4,039	4,062	3,851	3,897	3,777	3,751
1988	3,755	3,698	3,822	3,525	3,745	3,611	3,609	3,804	3,578	3,591	3,539	3,536
1989	3,647	3,535	3,330	3,507	3,413	3,496	3,409	3,485	3,659	3,574	3,614	3,555
1990	3,595	3,562	3,563	3,662	3,668	3,645	3,795	3,889	3,961	3,982	4,109	4,277
<b>Unemployed women</b>												
1986	3,587	3,851	3,843	3,841	3,793	3,838	3,663	3,646	3,654	3,678	3,634	3,453
1987	3,493	3,489	3,551	3,355	3,327	3,238	3,263	3,211	3,245	3,310	3,232	3,156
1988	3,173	3,212	3,081	3,075	3,067	2,981	3,054	3,042	3,019	2,940	2,943	2,929
1989	2,996	2,812	2,922	2,958	3,006	3,166	3,171	3,019	2,920	3,013	3,014	3,030
1990	2,949	3,017	3,000	3,029	2,994	2,915	3,032	3,126	3,126	3,160	3,228	3,323
<b>Unemployed both sexes, 16 to 19 years</b>												
1986	1,398	1,488	1,453	1,545	1,484	1,540	1,455	1,428	1,462	1,410	1,427	1,358
1987	1,382	1,433	1,423	1,369	1,407	1,289	1,287	1,310	1,280	1,393	1,321	1,290
1988	1,292	1,248	1,324	1,266	1,217	1,167	1,236	1,258	1,253	1,194	1,083	1,166
1989	1,306	1,178	1,116	1,162	1,181	1,280	1,162	1,170	1,189	1,178	1,209	1,184
1990	1,134	1,146	1,142	1,136	1,163	1,080	1,140	1,164	1,138	1,169	1,172	1,192
<b>Unemployed, men, 16 to 19 years</b>												
1986	719	793	774	823	810	838	797	788	794	742	750	717
1987	752	776	781	769	789	687	652	759	699	708	689	716
1988	685	646	738	658	646	666	715	679	690	677	580	624
1989	762	686	815	647	667	678	580	625	635	660	681	651
1990	623	611	611	626	631	597	626	644	637	633	644	662
<b>Unemployed, women, 16 to 19 years</b>												
1986	679	695	679	722	674	702	658	640	668	668	677	641
1987	630	657	642	600	618	602	615	551	581	685	632	574
1988	607	602	586	608	571	501	521	579	563	517	503	542
1989	544	492	501	515	514	602	582	545	554	518	528	533
1990	511	535	531	510	532	483	514	520	501	536	528	530
<b>Unemployed both sexes, 20 years and over</b>												
1986	6,397	6,914	6,930	6,819	6,955	6,968	6,864	6,707	6,848	6,833	6,732	6,525
1987	6,490	6,425	6,452	6,175	6,173	6,119	6,035	5,963	5,816	5,814	5,688	5,617
1988	5,836	5,662	5,579	5,334	5,595	5,425	5,427	5,588	5,344	5,337	5,399	5,299
1989	5,337	5,169	5,136	5,303	5,238	5,382	5,418	5,334	5,390	5,409	5,419	5,401
1990	5,410	5,433	5,421	5,555	5,499	5,480	5,687	5,851	5,949	5,973	6,165	6,408
<b>Unemployed men, 20 years and over</b>												
1986	3,489	3,758	3,766	3,700	3,836	3,832	3,859	3,701	3,862	3,823	3,775	3,713
1987	3,627	3,593	3,543	3,420	3,464	3,483	3,387	3,303	3,152	3,189	3,088	3,035
1988	3,070	3,052	3,084	2,867	3,099	2,945	2,894	3,125	2,888	2,914	2,959	2,912
1989	2,885	2,849	2,715	2,860	2,746	2,818	2,829	2,860	3,024	2,914	2,833	2,904
1990	2,972	2,951	2,952	3,036	3,037	3,048	3,169	3,245	3,324	3,349	3,465	3,615
<b>Unemployed women, 20 years and over</b>												
1986	2,908	3,156	3,164	3,119	3,119	3,136	3,005	3,006	2,986	3,010	2,957	2,812
1987	2,863	2,832	2,909	2,755	2,709	2,636	2,648	2,660	2,664	2,825	2,600	2,582
1988	2,566	2,610	2,495	2,467	2,496	2,480	2,533	2,463	2,456	2,423	2,440	2,387
1989	2,452	2,320	2,421	2,443	2,492	2,564	2,589	2,474	2,366	2,495	2,486	2,497
1990	2,438	2,482	2,469	2,519	2,462	2,432	2,518	2,606	2,625	2,624	2,700	2,793

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed both sexes, 20 to 24 years												
1986	1,628	1,709	1,665	1,677	1,729	1,631	1,649	1,604	1,717	1,629	1,543	1,636
1987	1,615	1,610	1,548	1,530	1,483	1,503	1,461	1,401	1,385	1,284	1,297	1,242
1988	1,321	1,318	1,348	1,269	1,307	1,223	1,249	1,225	1,166	1,217	1,227	1,232
1989	1,306	1,183	1,142	1,201	1,134	1,267	1,251	1,248	1,201	1,213	1,251	1,205
1990	1,182	1,174	1,168	1,286	1,195	1,158	1,168	1,218	1,288	1,294	1,258	1,271
Unemployed men, 20 to 24 years												
1986	865	884	925	944	941	880	907	849	973	855	864	902
1987	850	881	819	824	791	827	798	744	714	685	698	654
1988	742	705	710	683	707	628	656	673	621	675	645	634
1989	704	633	567	615	603	675	668	709	711	671	677	676
1990	652	636	651	720	646	658	640	624	682	692	691	701
Unemployed women, 20 to 24 years												
1986	763	825	740	733	788	751	742	755	744	774	679	734
1987	765	729	729	706	692	678	663	657	671	609	599	588
1988	579	613	638	586	600	595	593	552	545	542	582	598
1989	602	550	575	586	531	592	583	539	490	542	574	529
1990	530	538	517	586	549	500	528	594	606	602	565	570
Unemployed both sexes, 25 years and over												
1986	4,789	5,215	5,260	5,190	5,181	5,315	5,188	5,104	5,155	5,199	5,176	4,891
1987	4,910	4,827	4,899	4,695	4,651	4,581	4,539	4,556	4,447	4,507	4,377	4,372
1988	4,352	4,359	4,232	4,111	4,251	4,182	4,140	4,350	4,182	4,095	4,188	4,082
1989	4,074	4,005	3,994	4,148	4,075	4,085	4,123	4,063	4,183	4,157	4,168	4,214
1990	4,279	4,278	4,259	4,330	4,263	4,301	4,470	4,810	4,652	4,630	4,910	5,160
Unemployed men, 25 years and over												
1986	2,638	2,874	2,844	2,808	2,853	2,933	2,938	2,853	2,901	2,961	2,905	2,802
1987	2,805	2,712	2,729	2,645	2,639	2,633	2,568	2,552	2,441	2,494	2,380	2,377
1988	2,362	2,351	2,383	2,228	2,359	2,301	2,215	2,437	2,259	2,224	2,306	2,282
1989	2,222	2,224	2,157	2,287	2,112	2,114	2,134	2,126	2,294	2,221	2,249	2,244
1990	2,370	2,325	2,319	2,370	2,352	2,360	2,499	2,595	2,616	2,630	2,764	2,937
Unemployed women, 25 years and over												
1986	2,151	2,341	2,416	2,384	2,328	2,382	2,250	2,251	2,254	2,238	2,271	2,089
1987	2,105	2,115	2,170	2,050	2,012	1,948	1,971	2,004	2,006	2,013	1,997	1,995
1988	1,990	2,008	1,849	1,883	1,892	1,881	1,925	1,913	1,923	1,871	1,862	1,800
1989	1,852	1,781	1,837	1,861	1,963	1,971	1,989	1,937	1,889	1,936	1,919	1,970
1990	1,909	1,953	1,940	1,960	1,911	1,941	1,971	2,015	2,036	2,000	2,146	2,223
Unemployed both sexes, 25 to 54 years												
1986	4,233	4,602	4,626	4,619	4,678	4,735	4,626	4,491	4,550	4,594	4,599	4,365
1987	4,453	4,402	4,379	4,192	4,151	4,074	4,095	4,020	3,933	4,025	3,865	3,902
1988	3,853	3,897	3,780	3,669	3,767	3,693	3,696	3,829	3,741	3,680	3,746	3,629
1989	3,602	3,567	3,587	3,724	3,624	3,528	3,648	3,571	3,711	3,707	3,677	3,719
1990	3,746	3,777	3,766	3,848	3,814	3,825	3,986	4,039	4,136	4,105	4,403	4,664
Unemployed men, 25 to 54 years												
1986	2,321	2,514	2,471	2,459	2,554	2,558	2,599	2,442	2,513	2,567	2,564	2,443
1987	2,517	2,438	2,403	2,322	2,320	2,296	2,280	2,198	2,146	2,211	2,088	2,096
1988	2,036	2,072	2,080	1,962	2,063	1,973	1,949	2,092	2,010	1,966	2,062	1,997
1989	1,844	1,940	1,901	2,030	1,859	1,789	1,873	1,815	1,987	1,961	1,972	1,924
1990	2,038	2,022	2,016	2,083	2,079	2,036	2,195	2,230	2,284	2,299	2,448	2,625
Unemployed women, 25 to 54 years												
1986	1,912	2,088	2,155	2,160	2,124	2,177	2,027	2,049	2,037	2,027	2,035	1,922
1987	1,936	1,984	1,976	1,870	1,831	1,776	1,615	1,822	1,787	1,814	1,777	1,806
1988	1,817	1,825	1,700	1,707	1,704	1,720	1,747	1,737	1,731	1,714	1,684	1,632
1989	1,658	1,627	1,686	1,694	1,785	1,739	1,775	1,756	1,724	1,746	1,705	1,795
1990	1,708	1,755	1,750	1,765	1,735	1,789	1,791	1,809	1,852	1,806	1,955	2,039



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed both sexes, 25 to 34 years												
1986	2,173	2,413	2,414	2,432	2,437	2,431	2,462	2,348	2,421	2,429	2,446	2,326
1987	2,399	2,277	2,235	2,195	2,162	2,095	2,070	2,041	1,976	1,964	1,995	2,062
1988	1,993	1,943	1,973	1,874	1,881	1,960	1,869	1,971	1,945	1,916	1,980	1,824
1989	1,798	1,799	1,813	1,907	1,928	1,859	1,875	1,757	1,906	1,859	1,825	1,881
1990	1,884	1,949	1,907	1,931	1,904	1,807	1,973	1,973	2,018	1,997	2,110	2,260
Unemployed men, 25 to 34 years												
1986	1,161	1,272	1,266	1,293	1,332	1,303	1,386	1,233	1,320	1,355	1,337	1,289
1987	1,353	1,246	1,212	1,186	1,185	1,181	1,123	1,112	1,056	1,103	1,085	1,116
1988	1,063	1,034	1,092	1,013	1,044	1,048	985	1,080	1,036	1,007	1,106	974
1989	935	956	952	1,039	964	935	925	836	1,005	960	965	957
1990	1,030	1,045	1,019	1,050	1,010	950	1,113	1,105	1,140	1,106	1,152	1,307
Unemployed women, 25 to 34 years												
1986	1,012	1,141	1,148	1,139	1,105	1,128	1,076	1,115	1,101	1,074	1,109	1,037
1987	1,046	1,031	1,023	1,009	977	914	947	929	920	861	910	946
1988	930	909	881	861	837	912	884	891	909	909	874	850
1989	863	843	861	868	964	924	950	921	901	899	860	924
1990	854	904	888	881	894	857	860	868	878	891	958	953
Unemployed both sexes, 35 to 44 years												
1986	1,255	1,419	1,405	1,400	1,416	1,429	1,356	1,351	1,348	1,397	1,406	1,312
1987	1,337	1,334	1,382	1,270	1,272	1,244	1,297	1,250	1,282	1,304	1,173	1,201
1988	1,216	1,259	1,202	1,150	1,246	1,109	1,156	1,202	1,095	1,116	1,095	1,132
1989	1,130	1,146	1,116	1,166	1,106	1,064	1,149	1,177	1,206	1,179	1,205	1,184
1990	1,188	1,169	1,196	1,235	1,207	1,306	1,327	1,333	1,365	1,335	1,472	1,521
Unemployed men, 35 to 44 years												
1986	723	818	754	717	754	784	753	777	762	797	793	742
1987	753	721	728	686	703	665	722	669	666	693	621	623
1988	610	640	637	627	680	574	605	650	586	592	576	618
1989	623	622	614	643	593	548	603	622	643	614	649	610
1990	634	611	613	636	652	679	691	708	733	759	815	829
Unemployed women, 35 to 44 years												
1986	532	601	651	683	662	645	603	574	586	600	613	570
1987	584	613	654	584	569	579	575	581	616	611	552	578
1988	606	619	565	523	566	535	551	552	509	524	519	514
1989	507	524	502	523	513	516	546	555	563	565	556	574
1990	554	558	583	599	555	627	636	625	632	576	657	692
Unemployed both sexes, 45 to 54 years												
1986	805	770	807	787	825	875	808	792	781	768	747	727
1987	717	791	762	727	717	735	728	729	675	757	697	639
1988	644	695	605	645	640	624	671	656	701	648	671	673
1989	674	622	658	651	590	605	624	637	599	669	647	654
1990	674	659	663	682	703	712	686	733	753	773	821	883
Unemployed men, 45 to 54 years												
1986	437	424	451	449	468	471	460	432	431	415	434	412
1987	411	471	463	450	432	452	435	417	424	415	382	357
1988	363	398	351	322	339	351	359	362	388	367	380	405
1989	386	362	335	348	302	306	345	357	339	387	358	357
1990	374	366	384	397	417	407	391	417	411	434	481	489
Unemployed women, 45 to 54 years												
1986	368	346	356	338	357	404	348	360	350	353	313	315
1987	306	320	299	277	285	283	293	312	251	342	315	282
1988	281	297	254	323	301	273	312	294	313	281	291	268
1989	288	260	323	303	288	299	279	280	260	282	289	297
1990	300	293	279	285	286	305	295	316	342	339	340	394

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed both sexes, 55 years and over</b>												
1986 .....	586	635	630	579	539	575	582	574	587	602	562	509
1987 .....	476	450	521	517	523	490	465	490	503	482	508	470
1988 .....	505	479	461	461	507	457	453	478	436	413	428	457
1989 .....	454	454	419	449	463	526	484	469	462	452	489	502
1990 .....	508	517	515	500	474	448	483	528	514	536	513	501
<b>Unemployed men, 55 years and over</b>												
1986 .....	345	371	368	348	330	361	358	370	378	391	349	340
1987 .....	305	289	322	333	341	309	309	311	293	288	309	273
1988 .....	330	289	305	281	316	286	260	304	250	263	270	280
1989 .....	259	292	256	280	270	280	277	293	305	270	297	319
1990 .....	306	310	308	309	300	281	320	333	337	344	335	316
<b>Unemployed women, 55 years and over</b>												
1986 .....	241	264	262	231	209	214	224	204	209	211	213	169
1987 .....	171	161	199	184	182	161	156	179	210	194	199	197
1988 .....	175	190	156	180	191	171	173	172	186	150	156	177
1989 .....	195	162	163	169	193	246	207	176	157	182	202	183
1990 .....	202	207	207	191	174	167	173	195	177	192	178	185
<b>Unemployed both sexes, 55 to 64 years</b>												
1986 .....	496	532	521	499	451	476	493	488	490	511	479	430
1987 .....	405	374	432	448	454	433	390	399	407	407	421	382
1988 .....	409	399	381	389	401	359	352	394	360	341	340	362
1989 .....	382	348	347	349	378	434	396	387	369	356	398	403
1990 .....	401	408	399	384	348	369	396	398	403	430	418	401
<b>Unemployed men, 55 to 64 years</b>												
1986 .....	292	310	306	298	269	292	300	313	316	328	298	295
1987 .....	263	237	264	282	296	275	260	250	243	247	261	219
1988 .....	270	246	257	245	261	228	221	264	214	214	221	223
1989 .....	229	231	217	220	229	232	232	244	250	217	236	267
1990 .....	246	248	250	248	220	248	265	250	271	281	281	281
<b>Unemployed women, 55 to 64 years</b>												
1986 .....	204	222	215	201	182	184	193	175	174	183	163	135
1987 .....	142	137	188	166	158	158	130	149	164	160	160	163
1988 .....	139	153	124	144	140	131	131	130	146	127	119	139
1989 .....	153	117	130	129	149	202	184	143	119	139	162	136
1990 .....	155	160	149	138	128	121	131	148	132	149	137	140
<b>Unemployed both sexes, 65 years and over</b>												
1986 .....	90	103	109	60	88	99	89	88	97	91	83	79
1987 .....	71	76	89	69	69	57	75	91	98	75	87	88
1988 .....	98	80	60	72	106	98	101	82	76	72	88	95
1989 .....	72	106	72	100	85	92	88	82	93	96	101	99
1990 .....	107	109	116	116	126	79	97	130	111	106	95	100
<b>Unemployed men, 65 years and over</b>												
1986 .....	53	61	62	50	61	69	58	57	62	63	53	45
1987 .....	42	52	58	51	45	34	49	61	50	41	48	54
1988 .....	60	43	48	36	55	58	59	40	36	49	49	57
1989 .....	30	61	39	60	41	48	45	49	55	53	61	52
1990 .....	60	62	58	63	80	33	55	83	66	63	54	55
<b>Unemployed women, 65 years and over</b>												
1986 .....	37	42	47	30	27	30	31	29	35	28	30	34
1987 .....	29	24	31	18	24	23	26	30	46	34	39	34
1988 .....	36	37	32	36	51	40	42	42	40	23	39	38
1989 .....	42	45	33	40	44	44	43	33	38	43	40	47
1990 .....	47	47	58	53	46	46	42	47	45	43	41	45

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed white workers</b>												
1986	5,773	6,374	6,268	6,182	6,290	6,333	6,210	5,991	6,148	6,154	6,100	5,915
1987	5,879	5,885	5,843	5,580	5,572	5,527	5,351	5,331	5,251	5,373	5,180	5,096
1988	5,155	5,096	5,004	4,757	4,904	4,856	4,908	5,105	4,984	4,873	4,815	4,805
1989	4,892	4,562	4,543	4,723	4,877	4,826	4,860	4,787	4,810	4,792	4,855	4,857
1990	4,840	4,945	4,895	5,002	4,930	4,852	5,007	5,170	5,199	5,260	5,400	5,874
<b>Unemployed white men</b>												
1986	3,150	3,467	3,464	3,417	3,522	3,548	3,521	3,339	3,501	3,464	3,456	3,407
1987	3,367	3,366	3,349	3,194	3,188	3,209	3,040	3,037	2,931	3,040	2,876	2,843
1988	2,895	2,730	2,875	2,826	2,756	2,712	2,727	2,903	2,778	2,754	2,893	2,719
1989	2,763	2,813	2,494	2,583	2,509	2,598	2,582	2,596	2,777	2,858	2,708	2,667
1990	2,690	2,722	2,712	2,795	2,755	2,719	2,827	2,925	2,937	2,989	3,093	3,298
<b>Unemployed white women</b>												
1986	2,623	2,907	2,804	2,765	2,768	2,785	2,889	2,652	2,647	2,690	2,644	2,508
1987	2,512	2,499	2,494	2,366	2,384	2,318	2,311	2,294	2,320	2,333	2,304	2,253
1988	2,260	2,366	2,129	2,131	2,148	2,144	2,181	2,202	2,206	2,119	2,122	2,086
1989	2,129	1,949	2,049	2,140	2,168	2,228	2,278	2,191	2,033	2,134	2,147	2,190
1990	2,150	2,223	2,183	2,207	2,175	2,133	2,180	2,245	2,262	2,271	2,307	2,376
<b>Unemployed white workers, 16 to 19 years</b>												
1986	1,005	1,096	1,028	1,114	1,083	1,128	1,047	1,069	1,081	1,063	1,102	1,021
1987	1,025	1,053	1,079	1,006	1,053	969	904	973	962	1,007	966	938
1988	972	880	998	960	872	888	897	945	947	895	800	866
1989	970	834	812	843	862	908	855	865	816	841	875	868
1990	849	661	866	859	876	791	854	865	872	866	847	870
<b>Unemployed white men, 16 to 19 years</b>												
1986	519	582	549	600	590	631	566	592	592	557	584	542
1987	574	582	607	573	597	533	466	550	522	526	511	534
1988	524	443	576	518	465	496	529	504	522	506	422	475
1989	581	494	470	488	496	495	448	466	456	486	493	480
1990	459	450	458	474	476	440	484	486	493	481	483	488
<b>Unemployed white women, 16 to 19 years</b>												
1986	486	516	479	514	493	497	481	477	489	506	518	479
1987	451	471	472	433	456	436	438	423	440	481	455	404
1988	448	437	422	444	407	392	368	441	425	389	378	391
1989	389	340	342	375	364	413	407	399	360	355	382	388
1990	390	411	408	385	400	351	370	379	379	385	364	382
<b>Unemployed white workers, 20 years and over</b>												
1986	4,766	5,276	5,240	5,068	5,207	5,205	5,163	4,922	5,067	5,091	4,998	4,894
1987	4,854	4,812	4,784	4,574	4,519	4,558	4,447	4,358	4,289	4,366	4,214	4,156
1988	4,183	4,216	4,006	3,797	4,032	3,968	4,011	4,180	4,037	3,978	4,015	3,939
1989	3,922	3,728	3,731	3,860	3,815	3,918	4,005	3,922	3,994	3,951	3,980	3,989
1990	3,991	4,084	4,029	4,143	4,054	4,061	4,153	4,305	4,327	4,394	4,553	4,804
<b>Unemployed white men, 20 years and over</b>												
1986	2,631	2,885	2,915	2,817	2,932	2,917	2,955	2,747	2,909	2,907	2,872	2,865
1987	2,793	2,784	2,742	2,621	2,591	2,676	2,574	2,487	2,409	2,514	2,365	2,309
1988	2,371	2,267	2,299	2,110	2,291	2,216	2,198	2,399	2,256	2,248	2,271	2,244
1989	2,182	2,119	2,024	2,115	2,011	2,103	2,134	2,130	2,321	2,172	2,215	2,187
1990	2,231	2,272	2,254	2,321	2,279	2,279	2,343	2,439	2,444	2,508	2,810	2,810
<b>Unemployed white women, 20 years and over</b>												
1986	2,137	2,391	2,325	2,251	2,275	2,288	2,208	2,175	2,158	2,184	2,126	2,029
1987	2,061	2,028	2,022	1,953	1,928	1,882	1,873	1,871	1,880	1,852	1,849	1,849
1988	1,812	1,929	1,707	1,687	1,741	1,752	1,813	1,761	1,781	1,730	1,744	1,895
1989	1,740	1,809	1,707	1,765	1,804	1,815	1,871	1,792	1,873	1,779	1,765	1,802
1990	1,760	1,812	1,775	1,822	1,775	1,782	1,810	1,866	1,883	1,888	1,943	1,994

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed black workers</b>												
1986	1,814	1,801	1,841	1,883	1,858	1,929	1,812	1,857	1,889	1,858	1,824	1,731
1987	1,795	1,771	1,764	1,682	1,756	1,674	1,682	1,654	1,633	1,613	1,601	1,585
1988	1,582	1,616	1,660	1,606	1,623	1,527	1,542	1,515	1,440	1,471	1,467	1,493
1989	1,588	1,584	1,487	1,487	1,518	1,632	1,496	1,496	1,555	1,557	1,584	1,544
1990	1,537	1,438	1,448	1,436	1,442	1,444	1,522	1,563	1,607	1,580	1,653	1,650
<b>Unemployed black men</b>												
1986	944	930	946	950	943	980	964	953	991	975	919	866
1987	887	854	837	825	903	835	850	834	770	754	771	776
1988	760	837	834	773	821	770	758	755	704	751	738	735
1989	791	811	744	788	769	763	707	759	764	778	792	802
1990	825	722	742	735	730	756	807	813	860	835	855	845
<b>Unemployed black women</b>												
1986	870	871	895	933	915	949	848	904	898	883	905	865
1987	908	917	927	837	853	839	832	820	863	859	830	609
1988	822	779	826	833	802	757	784	760	736	720	731	758
1989	797	773	743	699	749	649	789	737	791	779	792	742
1990	712	716	706	701	712	688	715	750	747	745	798	805
<b>Unemployed black workers, 16 to 19 years</b>												
1986	368	345	388	390	361	379	333	334	347	315	300	312
1987	333	331	315	324	319	294	291	290	286	325	315	316
1988	300	320	303	273	310	249	298	291	295	271	274	286
1989	308	304	281	294	297	341	272	277	340	305	297	280
1990	254	247	256	240	250	254	250	272	234	259	295	284
<b>Unemployed black men, 16 to 19 years</b>												
1986	189	181	203	193	196	168	190	170	178	169	148	161
1987	166	165	159	171	165	140	153	174	149	153	155	165
1988	155	170	158	124	161	148	161	155	157	164	153	140
1989	166	164	133	161	157	176	120	145	155	156	157	147
1990	141	132	141	130	136	146	133	147	133	131	145	150
<b>Unemployed black women, 16 to 19 years</b>												
1986	179	164	185	197	165	191	143	164	169	146	152	151
1987	167	166	156	153	154	154	138	116	137	172	160	151
1988	145	150	145	149	149	101	137	136	136	107	121	126
1989	142	140	148	133	140	165	152	132	185	149	140	133
1990	113	115	115	110	114	108	117	125	101	128	150	134
<b>Unemployed black workers, 20 years and over</b>												
1986	1,446	1,456	1,453	1,493	1,497	1,550	1,479	1,523	1,542	1,543	1,524	1,419
1987	1,462	1,440	1,449	1,338	1,437	1,380	1,391	1,364	1,347	1,288	1,286	1,269
1988	1,282	1,296	1,357	1,333	1,313	1,278	1,244	1,224	1,145	1,200	1,193	1,227
1989	1,280	1,280	1,206	1,193	1,221	1,291	1,224	1,219	1,215	1,252	1,287	1,264
1990	1,283	1,191	1,192	1,196	1,192	1,190	1,272	1,291	1,373	1,321	1,358	1,366
<b>Unemployed black men, 20 years and over</b>												
1986	755	749	743	757	747	792	774	783	813	806	771	705
1987	721	669	678	654	738	695	697	660	621	601	616	611
1988	605	667	676	649	660	622	597	600	547	587	583	595
1989	625	647	611	627	612	607	587	614	609	622	635	655
1990	684	590	601	605	594	610	674	666	727	704	710	695
<b>Unemployed black women, 20 years and over</b>												
1986	691	707	710	736	750	758	705	740	729	737	753	714
1987	741	751	771	684	699	685	694	704	726	687	670	658
1988	677	629	681	684	653	656	647	824	598	613	610	632
1989	655	633	595	566	609	684	637	605	606	630	652	609
1990	599	601	591	591	598	580	596	825	646	617	648	671

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed Hispanic-origin workers												
1986	794	942	847	821	863	856	874	887	908	854	762	872
1987	889	826	780	755	737	717	681	677	712	730	769	713
1988	673	771	750	779	781	794	713	729	680	716	725	670
1989	791	650	623	747	740	758	820	818	765	746	742	772
1990	701	746	739	757	744	699	763	761	823	787	817	893
Unemployed married men, spouse present												
1986	1,762	1,827	1,842	1,745	1,862	1,871	1,865	1,767	1,799	1,871	1,830	1,813
1987	1,738	1,725	1,719	1,892	1,663	1,700	1,643	1,552	1,546	1,554	1,461	1,436
1988	1,460	1,423	1,430	1,258	1,364	1,345	1,308	1,423	1,301	1,310	1,351	1,299
1989	1,293	1,298	1,230	1,304	1,218	1,228	1,252	1,296	1,403	1,280	1,284	1,301
1990	1,424	1,316	1,347	1,360	1,375	1,338	1,406	1,458	1,469	1,493	1,582	1,616
Unemployed married women, spouse present												
1986	1,428	1,518	1,563	1,501	1,548	1,541	1,513	1,460	1,470	1,447	1,415	1,352
1987	1,362	1,378	1,319	1,311	1,256	1,224	1,229	1,231	1,230	1,229	1,235	1,269
1988	1,226	1,212	1,203	1,143	1,170	1,155	1,199	1,190	1,135	1,113	1,138	1,078
1989	1,118	1,036	1,091	1,251	1,188	1,175	1,183	1,163	1,157	1,220	1,138	1,178
1990	1,156	1,163	1,127	1,086	1,112	1,143	1,108	1,198	1,225	1,222	1,261	1,279
Unemployed women who maintain families												
1986	824	832	646	621	638	636	600	659	645	580	653	651
1987	637	629	844	633	825	639	600	618	594	601	580	551
1988	596	560	507	592	545	526	545	512	543	544	528	562
1989	562	563	541	543	576	552	579	553	522	530	568	546
1990	516	525	575	535	521	563	579	587	610	592	605	603
Unemployed full-time workers												
1986	6,418	6,826	6,863	6,798	6,931	6,855	6,741	6,600	6,765	6,720	6,615	6,422
1987	6,414	6,405	6,257	6,058	6,063	6,102	5,936	5,864	5,597	5,753	5,602	5,509
1988	5,522	5,565	5,517	5,266	5,444	5,243	5,282	5,547	5,211	5,173	5,196	5,238
1989	5,252	5,078	5,086	5,149	5,142	5,246	5,317	5,257	5,173	5,226	5,273	5,243
1990	5,306	5,274	5,249	5,404	5,262	5,188	5,421	5,591	5,736	5,860	6,057	6,250
Unemployed full-time workers, both sexes, 16 to 19 years												
1986	742	744	729	784	773	773	757	726	723	679	687	674
1987	668	716	895	838	683	646	638	641	625	658	632	599
1988	628	600	634	595	575	566	585	644	605	554	516	616
1989	637	565	597	597	605	613	597	602	527	612	619	585
1990	587	579	543	596	546	487	539	557	576	585	561	579
Unemployed full-time workers, men, 20 years and over												
1986	3,294	3,541	3,547	3,470	3,592	3,556	3,614	3,450	3,542	3,563	3,536	3,447
1987	3,402	3,373	3,290	3,216	3,225	3,258	3,189	3,072	2,884	2,987	2,891	2,843
1988	2,844	2,851	2,890	2,689	2,861	2,723	2,892	2,945	2,843	2,704	2,746	2,701
1989	2,684	2,640	2,538	2,649	2,537	2,570	2,631	2,663	2,773	2,654	2,690	2,711
1990	2,784	2,729	2,773	2,797	2,762	2,812	2,887	2,965	3,033	3,125	3,270	3,386
Unemployed full-time workers, women, 20 years and over												
1986	2,382	2,541	2,587	2,544	2,566	2,526	2,370	2,424	2,500	2,478	2,392	2,301
1987	2,344	2,316	2,272	2,202	2,155	2,198	2,129	2,151	2,088	2,110	2,079	2,067
1988	2,050	2,114	1,993	1,982	2,008	1,954	2,025	1,958	1,963	1,915	1,932	1,921
1989	1,931	1,873	1,951	1,903	2,000	2,063	2,089	1,992	1,873	1,960	1,964	1,947
1990	1,935	1,986	1,933	2,011	1,954	1,889	1,995	2,069	2,127	2,150	2,226	2,285
Unemployed part-time workers												
1986	1,422	1,574	1,516	1,569	1,498	1,596	1,569	1,556	1,527	1,526	1,540	1,473
1987	1,508	1,468	1,615	1,492	1,504	1,271	1,355	1,424	1,452	1,442	1,406	1,412
1988	1,453	1,367	1,381	1,330	1,339	1,332	1,367	1,308	1,338	1,329	1,290	1,239
1989	1,436	1,297	1,160	1,326	1,243	1,400	1,270	1,246	1,348	1,320	1,360	1,361
1990	1,266	1,339	1,311	1,286	1,383	1,350	1,431	1,417	1,294	1,265	1,302	1,364

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed part-time workers, both sexes, 16 to 19 years												
1986 .....	673	735	713	746	705	787	894	720	742	714	739	685
1987 .....	732	716	706	720	719	664	638	684	653	718	690	692
1988 .....	681	646	664	663	635	618	691	625	639	622	569	551
1989 .....	682	613	491	563	571	681	589	577	650	554	594	599
1990 .....	556	567	570	535	614	603	626	615	548	576	617	615
Unemployed part-time workers, men, 20 years and over												
1986 .....	211	217	231	247	241	246	244	259	273	258	240	267
1987 .....	244	223	278	214	229	206	212	236	222	204	199	194
1988 .....	244	208	222	181	219	214	194	180	199	205	218	218
1989 .....	223	220	206	214	184	242	185	190	203	242	250	204
1990 .....	215	236	212	241	246	219	277	269	240	213	212	247
Unemployed part-time workers, women, 20 years and over												
1986 .....	538	622	572	576	552	563	631	577	512	554	561	521
1987 .....	532	529	631	558	556	401	505	504	577	520	517	526
1988 .....	528	513	495	486	485	500	502	503	500	502	503	470
1989 .....	531	464	463	549	488	477	496	479	495	524	516	558
1990 .....	515	536	529	510	503	528	528	533	506	476	473	502

9. Unemployed persons by occupation

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed managerial and professional specialty workers</b>												
1983	898	854	886	898	837	822	790	749	736	666	703	704
1984	717	697	652	629	660	572	677	719	656	682	661	655
1985	639	611	656	667	643	668	630	879	664	623	616	622
1986	580	638	690	631	645	633	689	650	667	695	674	656
1987	682	697	685	681	671	642	621	585	615	624	637	674
1988	598	590	521	576	544	561	604	682	544	578	539	566
1989	610	609	613	623	635	597	593	545	631	589	684	641
1990	595	599	628	630	637	677	664	704	705	706	690	702
<b>Unemployed technical, sales, and administrative support workers</b>												
1983	2,300	2,279	2,202	2,194	2,218	2,203	2,121	2,111	1,960	1,976	1,911	1,891
1984	1,806	1,810	1,740	1,800	1,659	1,643	1,644	1,673	1,687	1,657	1,651	1,709
1985	1,725	1,706	1,693	1,704	1,798	1,690	1,706	1,643	1,669	1,735	1,622	1,641
1986	1,548	1,812	1,709	1,682	1,754	1,770	1,752	1,701	1,721	1,667	1,700	1,577
1987	1,607	1,635	1,710	1,662	1,578	1,625	1,546	1,583	1,560	1,582	1,560	1,479
1988	1,495	1,463	1,518	1,398	1,510	1,458	1,493	1,507	1,517	1,467	1,454	1,465
1989	1,474	1,435	1,417	1,444	1,503	1,435	1,512	1,451	1,448	1,563	1,493	1,495
1990	1,543	1,589	1,477	1,546	1,478	1,559	1,552	1,632	1,654	1,661	1,753	1,831
<b>Unemployed precision production, craft, and repair workers</b>												
1983	1,525	1,610	1,609	1,572	1,517	1,563	1,452	1,479	1,414	1,332	1,188	1,210
1984	1,153	1,133	1,090	1,070	1,078	1,032	1,048	988	991	988	1,003	971
1985	1,065	1,019	1,039	1,052	956	1,043	1,024	1,049	1,109	1,025	1,021	1,062
1986	983	1,084	1,072	1,070	1,067	1,034	1,083	1,028	998	1,041	1,018	997
1987	938	905	900	898	909	911	872	895	858	823	795	756
1988	793	788	847	730	780	751	760	715	692	830	793	766
1989	787	777	773	785	758	780	683	769	759	760	729	799
1990	755	775	756	795	779	747	634	900	946	941	990	1,023
<b>Unemployed operators, fabricators, and laborers</b>												
1983	3,543	3,447	3,339	3,194	3,215	2,971	2,810	2,788	2,668	2,524	2,451	2,450
1984	2,296	2,271	2,220	2,239	2,178	2,160	2,158	2,169	2,137	2,167	2,072	2,238
1985	2,205	2,157	2,129	2,166	2,056	2,201	2,208	2,155	2,185	2,130	2,102	2,020
1986	2,040	2,057	2,088	2,108	2,135	2,254	2,035	2,022	2,113	2,102	2,079	2,059
1987	1,984	2,032	1,977	1,864	1,901	1,777	1,823	1,758	1,677	1,743	1,657	1,651
1988	1,670	1,711	1,697	1,631	1,676	1,558	1,514	1,654	1,694	1,516	1,556	1,567
1989	1,598	1,535	1,448	1,510	1,419	1,670	1,708	1,638	1,657	1,597	1,586	1,563
1990	1,689	1,580	1,649	1,698	1,612	1,576	1,576	1,615	1,591	1,745	1,836	1,881
<b>Unemployed farming, forestry, and fishing workers</b>												
1983	385	420	407	416	397	450	425	458	405	402	380	369
1984	365	319	340	335	337	308	312	293	358	329	303	378
1985	371	356	328	331	282	327	315	299	294	292	288	274
1986	259	322	328	325	336	315	258	276	292	279	256	269
1987	268	280	305	280	211	256	272	265	243	273	280	271
1988	278	255	256	246	275	243	266	272	285	249	253	232
1989	244	231	233	235	233	240	210	229	194	245	277	222
1990	209	220	230	244	192	233	248	231	228	196	221	255

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployed job losers</b>												
1986	3,756	4,131	4,189	4,023	4,213	4,297	4,077	3,888	4,069	4,030	3,920	3,880
1987	3,895	3,816	3,804	3,718	3,625	3,614	3,550	3,387	3,320	3,479	3,265	3,147
1988	3,117	3,185	3,163	2,918	3,269	3,144	3,109	3,114	3,095	3,003	2,962	2,999
1989	3,038	2,874	2,876	2,930	2,797	2,854	2,954	2,984	2,935	3,000	3,053	3,063
1990	3,116	3,095	3,073	3,145	3,173	3,203	3,145	3,388	3,519	3,563	3,756	3,797
<b>Unemployed job losers on layoff</b>												
1986	1,103	1,134	1,126	1,087	1,143	1,088	1,086	1,038	1,065	1,083	1,053	1,062
1987	1,062	995	986	981	939	924	922	868	847	973	873	850
1988	854	882	881	827	816	877	867	887	849	885	791	800
1989	802	778	807	825	806	831	846	886	847	803	945	946
1990	1,012	957	944	984	980	947	977	993	1,111	1,056	1,136	1,150
<b>Unemployed job leavers</b>												
1986	957	974	987	1,106	1,009	1,025	1,025	977	1,028	1,018	1,068	1,025
1987	867	1,034	997	953	945	968	1,007	988	980	968	937	939
1988	1,029	964	1,078	988	942	955	922	982	990	1,001	958	983
1989	989	984	906	973	1,110	1,024	1,011	1,033	1,047	999	1,044	1,036
1990	1,015	1,012	1,019	1,159	1,017	999	1,020	989	954	981	996	1,024
<b>Unemployed reentrants</b>												
1986	2,085	2,255	2,216	2,224	2,185	2,128	2,196	2,148	2,158	2,205	2,088	2,016
1987	2,064	2,028	2,143	1,981	2,009	2,004	1,882	1,937	1,893	1,813	1,972	1,962
1988	1,928	1,942	1,823	1,803	1,807	1,744	1,830	1,831	1,736	1,752	1,775	1,720
1989	1,864	1,770	1,766	1,896	1,859	2,047	1,869	1,753	1,891	1,883	1,842	1,824
1990	1,775	1,815	1,850	1,794	1,828	1,839	1,920	1,872	1,952	1,911	1,926	2,128
<b>Unemployed new entrants</b>												
1986	996	1,045	995	1,050	1,038	1,092	1,040	1,055	1,057	937	1,074	981
1987	1,038	997	945	916	1,012	857	856	866	904	924	838	889
1988	865	845	877	918	821	792	789	808	777	736	786	781
1989	774	752	718	710	691	738	713	637	652	673	691	680
1990	647	672	651	637	677	549	677	669	663	684	655	662
<b>Unemployed less than 5 weeks</b>												
1986	3,333	3,516	3,540	3,598	3,586	3,489	3,446	3,439	3,405	3,418	3,343	3,297
1987	3,370	3,336	3,394	3,172	3,331	3,170	3,219	3,181	3,217	3,234	3,164	3,164
1988	3,089	3,071	3,056	3,104	3,115	3,111	3,002	3,164	3,144	3,094	3,082	2,943
1989	3,151	3,213	3,060	3,095	3,110	3,331	3,181	3,075	3,198	3,187	3,208	3,219
1990	3,131	3,157	3,183	3,185	3,078	3,100	3,142	3,275	3,087	3,139	3,277	3,280
<b>Unemployed 5 to 14 weeks</b>												
1986	2,414	2,569	2,586	2,868	2,870	2,705	2,548	2,398	2,642	2,599	2,630	2,397
1987	2,400	2,418	2,405	2,244	2,101	2,181	2,153	2,150	2,033	2,158	2,075	1,950
1988	2,148	2,117	2,101	1,938	2,030	1,933	2,079	1,960	1,896	1,861	1,955	1,997
1989	1,998	1,887	1,869	1,990	1,961	2,038	1,974	2,024	2,023	1,993	2,022	1,961
1990	2,010	2,070	2,074	2,146	2,194	2,085	2,166	2,077	2,452	2,391	2,334	2,518
<b>Unemployed 15 weeks and over</b>												
1988	2,089	2,308	2,261	2,162	2,232	2,320	2,289	2,276	2,318	2,188	2,202	2,161
1987	2,155	2,105	2,077	2,109	2,106	2,103	1,924	1,878	1,863	1,788	1,786	1,753
1988	1,693	1,725	1,752	1,576	1,649	1,593	1,610	1,638	1,556	1,544	1,442	1,463
1989	1,471	1,302	1,365	1,420	1,353	1,317	1,451	1,308	1,345	1,377	1,386	1,348
1990	1,396	1,374	1,370	1,417	1,404	1,436	1,508	1,568	1,605	1,591	1,727	1,739
<b>Unemployed 15 to 26 weeks</b>												
1986	1,002	1,125	1,088	988	1,064	1,040	1,056	1,084	1,081	974	1,037	1,011
1987	1,016	993	956	1,034	998	1,018	939	822	676	834	866	857
1988	827	837	905	767	804	776	810	829	749	776	755	731
1989	742	664	696	705	720	694	824	738	755	730	745	721
1990	754	737	732	742	776	777	807	822	861	893	938	940



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

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed 27 weeks and over												
1986 .....	1,087	1,183	1,173	1,174	1,168	1,280	1,213	1,192	1,237	1,214	1,165	1,150
1987 .....	1,139	1,112	1,121	1,075	1,108	1,085	985	1,056	987	954	920	896
1988 .....	866	888	847	809	845	817	800	809	807	768	687	732
1989 .....	729	638	669	715	633	623	627	570	590	647	641	627
1990 .....	642	637	638	675	628	859	701	746	744	698	789	799
Average duration in weeks												
1986 .....	14.8	15.2	14.6	14.7	14.7	15.2	15.2	15.5	15.4	15.2	15.0	15.0
1987 .....	14.8	14.6	14.9	14.9	14.8	15.0	14.2	14.4	14.2	14.0	14.0	14.2
1988 .....	14.1	14.3	13.7	13.4	13.8	13.3	13.5	13.6	13.5	13.4	12.5	12.9
1989 .....	12.5	12.3	12.3	12.6	11.9	11.2	11.9	11.4	11.5	11.8	11.6	11.5
1990 .....	11.9	11.7	11.9	12.1	11.6	12.0	12.1	12.3	12.4	12.0	12.4	12.4
Median duration in weeks												
1986 .....	6.7	6.9	6.8	6.7	6.8	7.0	6.9	7.1	7.4	7.0	7.1	7.1
1987 .....	6.9	6.6	6.6	7.1	6.6	6.5	6.5	6.4	6.0	6.3	6.2	6.0
1988 .....	6.2	6.3	6.4	5.9	5.9	5.8	6.0	5.9	5.7	5.6	5.7	5.9
1989 .....	5.6	5.3	5.5	5.5	5.3	5.5	5.5	5.0	5.0	4.9	4.8	4.9
1990 .....	5.0	5.2	5.0	5.0	5.3	5.2	5.2	5.3	6.1	5.9	5.9	5.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, including resident Armed Forces, total</b>												
1986	6.6	7.1	7.0	7.0	7.1	7.1	6.9	6.6	6.9	6.9	6.8	6.5
1987	6.5	6.5	6.5	6.2	6.2	6.1	6.0	6.0	5.8	5.9	5.7	5.6
1988	5.6	5.6	5.6	5.4	5.5	5.4	5.4	5.5	5.3	5.3	5.2	5.2
1989	5.3	5.1	5.0	5.2	5.1	5.3	5.2	5.2	5.2	5.2	5.2	5.2
1990	5.2	5.2	5.2	5.3	5.3	5.2	5.4	5.6	5.6	5.6	5.6	6.0
<b>Unemployment rate, including resident Armed Forces, men</b>												
1986	6.3	6.8	6.8	6.8	7.0	7.0	6.9	6.7	6.9	6.8	6.7	6.6
1987	6.5	6.5	6.4	6.2	6.3	6.2	6.0	6.0	5.7	5.7	5.6	5.5
1988	5.5	5.4	5.6	5.2	5.5	5.3	5.3	5.5	5.2	5.2	5.2	5.1
1989	5.3	5.1	4.6	5.1	4.9	5.0	4.9	5.0	5.3	5.1	5.2	5.1
1990	5.2	5.1	5.1	5.3	5.3	5.2	5.5	5.6	5.7	5.7	5.9	6.1
<b>Unemployment rate, including resident Armed Forces, women</b>												
1986	6.9	7.4	7.4	7.4	7.2	7.3	6.9	6.9	6.9	6.9	6.9	6.5
1987	6.6	6.8	6.6	6.3	6.2	6.0	6.0	5.9	6.0	6.1	6.0	5.8
1988	5.8	5.9	5.8	5.6	5.8	5.4	5.6	5.5	5.5	5.3	5.3	5.3
1989	5.3	5.0	5.2	5.3	5.4	5.6	5.6	5.4	5.2	5.4	5.3	5.4
1990	5.2	5.3	5.3	5.3	5.3	5.1	5.3	5.5	5.5	5.6	5.7	5.9
<b>Unemployment rate, all civilian workers</b>												
1986	6.7	7.2	7.2	7.1	7.2	7.2	7.0	6.9	7.0	7.0	6.9	6.6
1987	6.6	6.6	6.8	6.3	6.3	6.2	6.1	6.0	5.9	6.0	5.8	5.7
1988	5.7	5.7	5.7	5.4	5.8	5.4	5.5	5.6	5.4	5.3	5.3	5.3
1989	5.4	5.2	5.1	5.2	5.2	5.4	5.3	5.2	5.3	5.3	5.3	5.3
1990	5.3	5.3	5.3	5.4	5.3	5.3	5.5	5.6	5.7	5.7	5.9	6.1
<b>Unemployment rate, men</b>												
1986	6.5	7.0	7.0	6.9	7.1	7.1	7.1	6.9	7.1	7.0	6.9	6.7
1987	6.6	6.6	6.8	6.3	6.4	6.3	6.1	6.1	5.8	5.9	5.7	5.6
1988	5.6	5.5	5.7	5.3	5.6	5.4	5.4	5.7	5.3	5.4	5.3	5.3
1989	5.4	5.2	4.9	5.2	5.0	5.1	5.0	5.1	5.4	5.2	5.3	5.2
1990	5.3	5.2	5.2	5.4	5.4	5.3	5.6	5.7	5.8	5.8	6.0	6.2
<b>Unemployment rate, women</b>												
1986	6.9	7.4	7.4	7.4	7.3	7.3	7.0	6.9	6.9	6.9	6.9	6.5
1987	6.6	6.6	6.7	6.3	6.2	6.0	6.1	6.0	6.0	6.1	6.0	5.8
1988	5.8	5.9	5.7	5.6	5.7	5.5	5.6	5.5	5.5	5.3	5.3	5.3
1989	5.4	5.1	5.2	5.3	5.4	5.7	5.7	5.4	5.2	5.4	5.3	5.4
1990	5.2	5.3	5.3	5.4	5.3	5.1	5.4	5.5	5.5	5.8	5.7	5.9
<b>Unemployment rate, both sexes, 16 to 19 years</b>												
1986	18.1	18.8	18.2	19.2	18.6	19.2	18.4	18.0	18.4	17.7	18.1	17.5
1987	17.8	18.0	17.9	17.3	17.4	16.4	16.0	16.0	18.1	17.3	18.5	15.9
1988	15.9	15.5	16.7	15.9	15.4	14.3	15.1	15.5	15.4	15.0	13.7	14.6
1989	16.3	14.9	14.2	14.6	14.9	15.9	14.7	14.6	15.1	14.8	15.2	15.1
1990	14.6	14.8	14.6	14.6	15.4	14.7	15.8	16.6	15.7	16.2	16.4	16.6
<b>Unemployment rate, men, 16 to 19 years</b>												
1986	18.3	19.5	19.0	19.7	19.4	20.1	19.3	19.1	19.1	18.1	18.3	16.1
1987	18.4	18.6	19.1	18.6	19.2	17.1	16.3	17.9	17.0	17.1	16.9	17.1
1988	16.4	15.7	16.1	16.0	15.6	15.6	16.8	16.0	16.4	16.5	14.1	15.2
1989	18.5	18.7	15.0	15.7	16.3	16.2	14.0	14.9	15.6	15.9	16.5	15.9
1990	15.4	15.2	15.2	15.6	16.0	15.7	16.8	17.6	16.6	16.7	17.1	17.4
<b>Unemployment rate, women, 16 to 19 years</b>												
1986	18.0	18.2	17.4	18.6	17.6	18.2	17.4	16.9	17.7	17.3	17.8	16.8
1987	16.7	17.3	16.7	15.6	15.6	15.8	15.8	13.9	15.2	17.4	16.1	14.7
1988	15.5	15.3	15.3	15.8	15.1	12.8	13.3	14.9	14.4	13.4	13.3	14.0
1989	13.9	13.0	13.3	13.5	13.5	15.6	15.4	14.2	14.5	13.6	13.7	14.2
1990	13.8	14.5	14.0	14.0	14.7	13.6	14.7	15.4	14.4	15.6	15.6	15.6

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 20 years and over												
1986	5.9	8.3	8.3	6.2	6.3	6.3	6.2	6.1	6.2	6.2	6.1	5.9
1987	5.8	5.8	5.8	5.5	5.5	5.5	5.4	5.3	5.2	5.2	5.1	5.0
1988	5.0	5.0	4.9	4.7	4.9	4.8	4.8	4.9	4.7	4.7	4.7	4.6
1989	4.6	4.5	4.5	4.6	4.5	4.6	4.7	4.6	4.6	4.7	4.6	4.6
1990	4.8	4.6	4.6	4.7	4.7	4.7	4.8	5.0	5.1	5.1	5.2	5.4
Unemployment rate, men, 20 years and over												
1986	5.7	6.2	6.2	6.1	6.3	6.3	6.3	6.0	6.3	6.2	6.1	6.0
1987	5.9	5.8	5.7	5.5	5.6	5.6	5.5	5.3	5.1	5.1	5.0	4.9
1988	4.9	4.9	4.9	4.6	4.9	4.7	4.6	5.0	4.6	4.6	4.7	4.6
1989	4.8	4.5	4.3	4.5	4.3	4.4	4.4	4.5	4.7	4.6	4.6	4.5
1990	4.6	4.6	4.6	4.7	4.7	4.7	4.9	5.0	5.1	5.2	5.4	5.6
Unemployment rate, women, 20 years and over												
1986	6.1	8.6	8.6	6.5	6.4	6.4	6.2	6.1	6.1	6.1	6.0	5.7
1987	5.8	5.7	5.9	5.6	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1
1988	5.1	5.2	4.9	4.9	4.9	4.9	5.0	4.8	4.8	4.7	4.7	4.6
1989	4.7	4.5	4.7	4.7	4.8	4.9	4.9	4.7	4.5	4.8	4.7	4.7
1990	4.8	4.7	4.7	4.8	4.6	4.6	4.7	4.9	4.9	4.9	5.1	5.3
Unemployment rate, both sexes, 20 to 24 years												
1986	10.4	10.9	10.7	10.8	11.2	10.6	10.7	10.5	11.1	10.8	10.0	10.7
1987	10.5	10.5	10.2	10.1	9.8	10.1	9.8	9.4	9.3	8.8	8.8	8.5
1988	8.9	8.9	9.2	8.7	9.1	8.5	8.6	8.5	8.1	8.5	8.6	8.6
1989	9.1	8.3	8.0	8.4	8.0	8.8	8.7	8.7	8.6	8.7	8.9	8.7
1990	8.5	8.5	8.4	9.2	8.6	8.4	8.5	8.8	9.3	9.4	9.1	9.2
Unemployment rate, men, 20 to 24 years												
1986	10.5	10.7	11.2	11.6	11.6	10.9	11.1	10.6	12.0	10.6	10.7	11.1
1987	10.6	11.0	10.3	10.4	10.0	10.6	10.1	9.5	9.2	8.9	9.1	8.6
1988	9.6	9.2	9.3	8.9	9.3	8.3	8.7	8.9	8.2	8.9	8.6	8.5
1989	9.3	8.4	7.6	8.2	8.1	9.0	9.0	9.5	9.6	9.1	9.2	9.2
1990	8.9	8.7	8.9	9.8	8.8	9.0	8.8	8.6	9.4	9.6	9.5	9.6
Unemployment rate, women, 20 to 24 years												
1986	10.4	11.2	10.1	10.0	10.7	10.3	10.2	10.4	10.2	10.7	9.4	10.2
1987	10.5	10.1	10.1	9.8	9.6	9.5	9.3	9.2	9.5	8.6	8.5	8.4
1988	8.2	8.6	9.1	8.4	8.8	8.6	8.6	8.1	8.0	7.9	8.6	8.7
1989	8.8	8.2	8.5	8.6	7.9	8.7	8.4	7.9	7.4	8.3	8.6	8.2
1990	8.1	8.2	7.9	8.6	8.4	7.7	8.1	9.0	9.2	9.2	8.6	8.7
Unemployment rate, both sexes, 25 years and over												
1986	5.1	5.6	5.6	5.5	5.5	5.6	5.5	5.4	5.4	5.5	5.4	5.1
1987	5.1	5.0	5.1	4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5
1988	4.4	4.4	4.3	4.2	4.3	4.2	4.2	4.4	4.2	4.1	4.2	4.1
1989	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1
1990	4.2	4.2	4.1	4.2	4.1	4.2	4.3	4.4	4.5	4.5	4.7	5.0
Unemployment rate, men, 25 years and over												
1986	5.0	5.4	5.4	5.3	5.4	5.5	5.5	5.4	5.4	5.6	5.4	5.2
1987	5.2	5.0	5.1	4.9	4.9	4.9	4.7	4.7	4.5	4.6	4.4	4.3
1988	4.3	4.3	4.3	4.0	4.3	4.2	4.0	4.4	4.1	4.0	4.2	4.1
1989	4.0	4.0	3.9	4.1	3.8	3.8	3.8	3.8	4.1	3.9	4.0	4.0
1990	4.2	4.1	4.1	4.2	4.1	4.1	4.4	4.5	4.6	4.6	4.8	5.1
Unemployment rate, women, 25 years and over												
1986	5.3	5.8	5.9	5.8	5.7	5.7	5.4	5.4	5.4	5.4	5.4	5.0
1987	5.0	5.0	5.1	4.8	4.7	4.6	4.6	4.7	4.7	4.7	4.6	4.6
1988	4.6	4.6	4.2	4.3	4.3	4.3	4.4	4.3	4.4	4.2	4.2	4.0
1989	4.1	3.9	4.1	4.1	4.3	4.3	4.4	4.3	4.1	4.2	4.2	4.3
1990	4.1	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.4	4.3	4.6	4.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 25 to 54 years												
1986	5.4	5.9	5.9	5.8	5.9	5.9	5.8	5.6	5.7	5.7	5.7	5.4
1987	5.5	5.4	5.4	5.1	5.1	5.0	5.0	4.9	4.8	4.9	4.7	4.7
1988	4.6	4.7	4.5	4.4	4.5	4.4	4.4	4.5	4.4	4.3	4.4	4.3
1989	4.2	4.2	4.2	4.3	4.2	4.1	4.2	4.1	4.3	4.3	4.2	4.3
1990	4.3	4.3	4.3	4.4	4.3	4.3	4.5	4.6	4.7	4.8	5.0	5.3
Unemployment rate, men, 25 to 54 years												
1986	5.3	5.7	5.6	5.6	5.8	5.8	5.8	5.5	5.6	5.8	5.7	5.4
1987	5.6	5.4	5.3	5.1	5.1	5.1	5.0	4.8	4.7	4.8	4.6	4.6
1988	4.4	4.5	4.5	4.2	4.5	4.3	4.2	4.5	4.3	4.2	4.4	4.3
1989	4.1	4.1	4.0	4.3	3.9	3.8	3.9	3.8	4.2	4.1	4.1	4.0
1990	4.3	4.2	4.2	4.3	4.3	4.2	4.6	4.6	4.7	4.7	5.0	5.4
Unemployment rate, women, 25 to 54 years												
1986	5.5	6.1	6.2	6.2	6.1	6.2	5.7	5.8	5.7	5.7	5.7	5.4
1987	5.4	5.5	5.5	5.2	5.0	4.9	5.0	5.0	4.9	4.9	4.8	4.9
1988	4.9	4.9	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.3
1989	4.3	4.2	4.4	4.4	4.6	4.5	4.6	4.5	4.4	4.4	4.3	4.5
1990	4.3	4.4	4.4	4.4	4.3	4.5	4.5	4.5	4.6	4.5	4.9	5.1
Unemployment rate, both sexes, 25 to 34 years												
1986	6.3	7.1	7.0	7.1	7.1	7.0	7.1	6.8	6.9	7.0	7.0	6.7
1987	6.9	6.5	6.4	6.2	6.1	5.9	5.9	5.8	5.6	5.6	5.6	5.8
1988	5.6	5.5	5.6	5.3	5.3	5.5	5.3	5.6	5.5	5.4	5.6	5.1
1989	5.0	5.0	5.1	5.3	5.4	5.2	5.2	4.9	5.3	5.2	5.1	5.2
1990	5.2	5.4	5.3	5.4	5.3	5.0	5.5	5.5	5.7	5.6	5.9	6.3
Unemployment rate, men, 25 to 34 years												
1986	6.0	6.6	6.5	6.7	6.9	6.7	7.1	6.4	6.8	7.0	6.8	6.6
1987	6.9	6.4	6.2	6.0	6.0	6.0	5.7	5.7	5.4	5.6	5.5	5.7
1988	5.4	5.2	5.5	5.1	5.3	5.3	5.0	5.5	5.2	5.1	5.6	4.9
1989	4.7	4.8	4.8	5.2	4.8	4.7	4.6	4.2	5.0	4.8	4.8	4.8
1990	5.2	5.2	5.1	5.3	5.1	4.8	5.6	5.6	5.8	5.6	5.8	6.6
Unemployment rate, women, 25 to 34 years												
1986	6.6	7.6	7.6	7.5	7.3	7.4	7.1	7.3	7.2	7.0	7.2	6.8
1987	6.8	6.7	6.6	6.5	6.3	5.9	6.0	5.9	5.9	5.5	5.8	6.0
1988	5.9	5.8	5.6	5.5	5.3	5.8	5.6	5.6	5.6	5.8	5.5	5.4
1989	5.4	5.3	5.4	5.5	6.1	5.8	5.9	5.8	5.6	5.6	5.3	5.7
1990	5.3	5.6	5.5	5.5	5.6	5.3	5.4	5.4	5.5	5.6	6.1	6.0
Unemployment rate, both sexes, 35 to 44 years												
1986	4.7	5.3	5.2	5.2	5.2	5.3	5.0	4.9	4.9	5.1	5.1	4.7
1987	4.8	4.8	4.9	4.5	4.5	4.4	4.5	4.4	4.5	4.5	4.1	4.2
1988	4.2	4.4	4.1	3.9	4.3	3.8	3.9	4.1	3.7	3.7	3.7	3.8
1989	3.7	3.8	3.7	3.8	3.6	3.5	3.8	3.8	3.9	3.8	3.9	3.8
1990	3.8	3.7	3.8	3.9	3.8	4.1	4.1	4.2	4.3	4.2	4.6	4.7
Unemployment rate, men, 35 to 44 years												
1986	4.9	5.5	5.1	4.8	5.0	5.2	5.0	5.1	5.0	5.2	5.2	4.8
1987	4.9	4.7	4.7	4.4	4.5	4.3	4.6	4.3	4.2	4.4	3.9	3.9
1988	3.9	4.0	4.0	3.9	4.2	3.6	3.8	4.0	3.8	3.6	3.5	3.8
1989	3.8	3.8	3.7	3.9	3.6	3.3	3.6	3.7	3.8	3.7	3.8	3.6
1990	3.7	3.6	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.4	4.6	4.7
Unemployment rate, women, 35 to 44 years												
1986	4.5	5.0	5.4	5.7	5.5	5.3	4.9	4.7	4.7	4.8	5.0	4.6
1987	4.7	4.8	5.1	4.6	4.4	4.5	4.5	4.5	4.7	4.7	4.2	4.4
1988	4.6	4.7	4.3	3.9	4.3	4.0	4.1	4.1	3.8	3.9	3.8	3.8
1989	3.7	3.8	3.6	3.8	3.7	3.7	3.9	3.9	4.0	4.0	3.9	4.0
1990	3.9	3.9	4.0	4.1	3.8	4.3	4.3	4.2	4.3	3.9	4.5	4.7

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, both sexes, 45 to 54 years</b>												
1986	4.6	4.4	4.6	4.5	4.7	4.9	4.5	4.5	4.4	4.3	4.2	4.1
1987	4.0	4.4	4.2	4.0	3.9	4.0	4.0	4.0	3.7	4.1	3.8	3.4
1988	3.4	3.7	3.2	3.4	3.4	3.3	3.5	3.4	3.6	3.4	3.5	3.5
1989	3.4	3.2	3.3	3.3	3.0	3.0	3.1	3.2	3.0	3.3	3.2	3.2
1990	3.3	3.3	3.3	3.4	3.5	3.5	3.3	3.6	3.6	3.7	4.0	4.3
<b>Unemployment rate, men, 45 to 54 years</b>												
1986	4.4	4.3	4.5	4.5	4.7	4.7	4.6	4.3	4.3	4.1	4.3	4.1
1987	4.1	4.7	4.6	4.4	4.3	4.5	4.3	4.1	4.1	4.0	3.7	3.5
1988	3.5	3.8	3.3	3.0	3.2	3.3	3.4	3.4	3.7	3.5	3.6	3.8
1989	3.6	3.4	3.1	3.2	2.8	2.8	3.2	3.2	3.1	3.5	3.2	3.2
1990	3.4	3.3	3.5	3.6	3.8	3.6	3.5	3.7	3.6	3.8	4.3	4.3
<b>Unemployment rate, women, 45 to 54 years</b>												
1986	4.8	4.5	4.7	4.4	4.7	5.2	4.5	4.6	4.5	4.5	4.0	4.0
1987	3.9	4.1	3.8	3.5	3.6	3.5	3.6	3.9	3.1	4.2	3.8	3.4
1988	3.4	3.6	3.0	3.9	3.6	3.2	3.6	3.4	3.6	3.2	3.3	3.1
1989	3.2	2.9	3.6	3.4	3.2	3.3	3.1	3.1	2.9	3.1	3.2	3.3
1990	3.3	3.2	3.0	3.1	3.1	3.2	3.1	3.4	3.6	3.6	3.6	4.2
<b>Unemployment rate, both sexes, 55 years and over</b>												
1986	3.9	4.3	4.2	3.9	3.6	3.8	3.9	3.8	3.9	4.1	3.8	3.4
1987	3.2	3.0	3.5	3.5	3.5	3.3	3.1	3.3	3.4	3.2	3.4	3.1
1988	3.4	3.2	3.1	3.0	3.4	3.0	3.0	3.2	2.9	2.7	2.8	3.0
1989	3.0	3.0	2.7	2.9	3.0	3.4	3.1	3.1	3.0	3.0	3.3	3.3
1990	3.3	3.4	3.3	3.3	3.1	2.9	3.2	3.4	3.3	3.5	3.3	3.3
<b>Unemployment rate, men, 55 years and over</b>												
1986	3.9	4.3	4.2	4.0	3.8	4.1	4.1	4.2	4.3	4.5	4.0	3.8
1987	3.5	3.3	3.6	3.8	3.8	3.5	3.5	3.5	3.3	3.2	3.5	3.1
1988	3.7	3.3	3.5	3.2	3.6	3.2	3.2	3.4	2.9	3.0	3.1	3.2
1989	2.9	3.3	2.9	3.1	3.1	3.2	3.1	3.4	3.5	3.1	3.4	3.6
1990	3.5	3.5	3.5	3.5	3.4	3.2	3.6	3.8	3.8	3.9	3.8	3.8
<b>Unemployment rate, women, 55 years and over</b>												
1986	4.0	4.4	4.3	3.8	3.4	3.4	3.5	3.2	3.4	3.5	3.5	2.8
1987	2.8	2.7	3.3	3.0	3.0	2.9	2.5	2.9	3.4	3.1	3.2	3.1
1988	2.8	3.0	2.5	2.8	3.1	2.8	2.8	2.8	2.9	2.4	2.4	2.7
1989	3.0	2.5	2.5	2.6	2.9	3.8	3.2	2.7	2.4	2.8	3.1	2.8
1990	3.1	3.1	3.1	2.9	2.8	2.5	2.6	2.9	2.7	2.9	2.7	2.8
<b>Unemployment rate, both sexes, 55 to 64 years</b>												
1986	4.2	4.5	4.4	4.2	3.8	4.0	4.1	4.1	4.1	4.3	4.0	3.6
1987	3.4	3.2	3.6	3.8	3.8	3.6	3.3	3.4	3.4	3.4	3.5	3.2
1988	3.5	3.4	3.2	3.3	3.4	3.1	3.0	3.3	3.0	2.9	2.9	3.1
1989	3.2	2.9	2.9	2.9	3.2	3.6	3.3	3.3	3.1	3.0	3.3	3.4
1990	3.4	3.4	3.4	3.3	2.9	3.1	3.3	3.3	3.4	3.6	3.5	3.4
<b>Unemployment rate, men, 55 to 64 years</b>												
1986	4.2	4.5	4.4	4.3	3.9	4.2	4.3	4.5	4.5	4.7	4.2	4.2
1987	3.8	3.4	3.8	4.0	4.2	4.0	3.8	3.7	3.5	3.6	3.8	3.2
1988	3.9	3.6	3.7	3.6	3.8	3.4	3.2	3.9	3.2	3.2	3.3	3.3
1989	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.6	3.7	3.2	3.5	4.0
1990	3.7	3.7	3.7	3.7	3.3	3.7	3.9	3.7	3.9	4.1	4.1	3.8
<b>Unemployment rate, women, 55 to 64 years</b>												
1986	4.2	4.5	4.4	4.1	3.7	3.6	3.6	3.5	3.5	3.7	3.7	2.8
1987	2.9	2.8	3.5	3.4	3.2	3.2	2.6	3.0	3.3	3.2	3.2	3.3
1988	2.6	3.1	2.5	2.9	2.9	2.7	2.7	2.6	2.9	2.5	2.4	2.7
1989	3.0	2.3	2.6	2.5	2.9	3.9	3.2	2.8	2.3	2.7	3.2	2.6
1990	3.0	3.1	2.9	2.7	2.5	2.4	2.6	2.9	2.6	3.0	2.7	2.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, both sexes, 65 years and over</b>												
1986	3.0	3.4	3.6	2.7	2.9	3.2	2.9	2.9	3.2	3.1	2.8	2.6
1987	2.4	2.5	2.9	2.3	2.3	1.8	2.4	2.8	3.0	2.3	2.7	2.7
1988	3.0	2.5	2.5	2.2	3.3	3.0	3.1	2.5	2.3	2.2	2.5	2.8
1989	2.1	3.1	2.1	2.9	2.4	2.7	2.5	2.4	2.8	2.8	3.0	2.8
1990	3.0	3.1	3.3	3.2	3.5	2.2	2.8	3.6	3.1	3.0	2.7	2.9
<b>Unemployment rate, men, 65 years and over</b>												
1986	2.8	3.3	3.4	2.7	3.4	3.8	3.2	3.2	3.5	3.6	2.9	2.4
1987	2.3	2.9	3.1	2.8	2.4	1.8	2.6	3.1	2.6	2.1	2.4	2.7
1988	3.1	2.2	2.5	1.9	2.8	2.9	3.0	2.0	1.8	2.5	2.4	2.8
1989	1.5	3.0	1.9	2.9	2.0	2.4	2.2	2.5	2.8	2.6	3.1	2.6
1990	2.9	3.0	2.8	3.1	3.9	1.6	2.7	4.0	3.2	3.2	2.7	2.8
<b>Unemployment rate, women, 65 years and over</b>												
1986	3.2	3.6	4.0	2.6	2.3	2.5	2.5	2.3	2.8	2.3	2.5	2.9
1987	2.4	2.0	2.6	1.6	2.0	1.9	2.0	2.4	3.7	2.7	3.1	2.7
1988	2.7	2.8	2.4	2.7	3.9	3.1	3.3	3.3	3.1	1.7	2.6	2.8
1989	3.0	3.3	2.4	2.9	3.0	3.1	3.0	2.3	2.6	3.0	2.8	3.2
1990	3.3	3.2	3.9	3.5	3.0	3.0	2.8	3.1	2.9	2.9	2.7	3.0
<b>Unemployment rate, white workers</b>												
1986	5.7	6.3	6.2	6.1	6.2	8.2	6.1	5.9	6.0	6.0	6.0	5.8
1987	5.7	5.7	5.7	5.4	5.4	5.4	5.2	5.1	5.1	5.2	5.0	4.9
1988	4.9	4.9	4.8	4.6	4.7	4.6	4.7	4.9	4.7	4.6	4.6	4.6
1989	4.6	4.3	4.3	4.4	4.4	4.5	4.6	4.5	4.5	4.5	4.5	4.5
1990	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.8	4.8	4.9	5.0	5.3
<b>Unemployment rate, white men</b>												
1986	5.5	6.1	6.1	6.0	6.2	6.2	6.2	5.8	6.1	6.0	6.0	5.9
1987	5.8	5.8	5.8	5.5	5.5	5.6	5.3	5.3	5.1	5.2	5.0	4.9
1988	5.0	4.7	5.0	4.5	4.7	4.7	4.7	5.0	4.8	4.7	4.6	4.6
1989	4.7	4.4	4.2	4.4	4.3	4.4	4.4	4.4	4.7	4.5	4.6	4.5
1990	4.5	4.6	4.6	4.7	4.6	4.6	4.8	4.9	4.9	5.0	5.2	5.5
<b>Unemployment rate, white women</b>												
1986	6.0	6.6	6.3	6.3	6.2	6.2	6.0	5.9	5.9	6.0	5.9	5.6
1987	5.6	5.5	5.5	5.3	5.2	5.1	5.1	5.0	5.1	5.1	5.0	4.9
1988	4.9	5.1	4.6	4.6	4.7	4.6	4.7	4.7	4.7	4.5	4.5	4.4
1989	4.5	4.1	4.4	4.5	4.6	4.7	4.8	4.6	4.3	4.5	4.5	4.6
1990	4.5	4.6	4.6	4.6	4.5	4.4	4.5	4.7	4.7	4.7	4.8	5.0
<b>Unemployment rate, white workers, 16 to 19 years</b>												
1986	15.0	16.0	15.0	16.1	15.7	16.3	15.4	15.6	15.7	15.3	15.9	15.0
1987	15.0	15.3	15.7	14.6	15.0	14.2	13.3	13.9	14.1	14.6	14.0	13.4
1988	13.8	12.7	14.6	13.9	12.8	12.4	12.8	13.5	13.5	13.0	11.6	12.6
1989	14.0	12.4	12.0	12.3	12.7	13.2	12.7	12.5	12.1	12.4	12.8	13.0
1990	12.8	13.0	13.0	13.1	13.5	12.5	13.7	14.3	13.9	13.9	13.7	14.0
<b>Unemployment rate, white men, 16 to 19 years</b>												
1986	15.1	16.6	15.7	16.8	16.5	17.5	16.0	16.7	16.4	15.5	16.3	15.7
1987	16.2	16.2	17.1	16.3	16.6	15.2	13.5	15.4	14.8	14.8	14.5	14.8
1988	14.4	12.5	16.2	14.6	13.3	13.5	14.6	13.9	14.4	14.4	11.6	13.3
1989	16.2	14.1	13.2	13.2	14.1	13.9	12.7	12.9	13.1	13.7	14.0	13.9
1990	13.2	13.1	13.3	13.6	14.1	13.4	14.9	15.4	15.0	14.7	14.9	14.9
<b>Unemployment rate, white women, 16 to 19 years</b>												
1986	15.0	15.4	14.2	15.4	14.8	15.0	14.8	14.4	14.9	15.1	15.6	14.4
1987	13.7	14.3	14.1	12.9	13.2	13.2	13.1	12.4	13.4	14.3	13.5	12.0
1988	13.2	12.8	12.9	13.3	12.3	11.3	10.9	13.1	12.5	11.6	11.5	11.6
1989	11.6	10.5	10.6	11.4	11.2	12.5	12.8	12.1	11.1	11.0	11.6	12.1
1990	12.3	12.9	12.6	12.3	12.9	11.6	12.4	13.1	12.6	13.0	12.5	13.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, white workers, 20 years and over</b>												
1986	5.1	5.6	5.6	5.4	5.5	5.5	5.4	5.2	5.3	5.3	5.2	5.1
1987	5.1	5.0	5.0	4.8	4.7	4.7	4.6	4.5	4.4	4.5	4.4	4.3
1988	4.3	4.3	4.1	3.9	4.1	4.1	4.1	4.2	4.1	4.0	4.1	4.0
1989	4.0	3.8	3.8	3.9	3.8	3.9	4.0	3.9	4.0	4.0	4.0	4.0
1990	4.0	4.1	4.0	4.1	4.0	4.0	4.1	4.3	4.3	4.3	4.5	4.7
<b>Unemployment rate, white men, 20 years and over</b>												
1986	4.9	5.4	5.4	5.3	5.5	5.4	5.5	5.1	5.4	5.4	5.3	5.3
1987	5.2	5.1	5.1	4.8	4.8	4.9	4.7	4.6	4.4	4.6	4.3	4.2
1988	4.4	4.2	4.2	3.9	4.2	4.1	4.0	4.4	4.1	4.1	4.1	4.1
1989	4.0	3.8	3.7	3.8	3.6	3.8	3.8	3.8	4.2	3.9	4.0	3.9
1990	4.0	4.1	4.0	4.2	4.1	4.1	4.2	4.4	4.4	4.5	4.6	5.0
<b>Unemployment rate, white women, 20 years and over</b>												
1986	5.3	5.9	5.7	5.5	5.5	5.5	5.3	5.2	5.2	5.2	5.1	4.9
1987	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.4	4.4	4.4	4.4	4.3
1988	4.2	4.5	4.0	3.9	4.1	4.1	4.2	4.1	4.1	4.0	4.0	3.9
1989	4.0	3.7	3.9	4.0	4.1	4.1	4.2	4.1	3.8	4.0	4.0	4.0
1990	4.0	4.1	4.0	4.1	4.0	4.0	4.0	4.1	4.2	4.2	4.3	4.4
<b>Unemployment rate, black workers</b>												
1986	14.5	14.4	14.6	14.8	14.6	15.1	14.4	14.8	14.9	14.6	14.3	13.7
1987	14.1	13.8	13.7	13.0	13.6	12.9	12.9	12.6	12.5	12.3	12.2	12.0
1988	12.0	12.3	12.7	12.2	12.4	11.7	11.6	11.4	10.9	11.1	11.0	11.2
1989	11.8	11.8	11.1	11.2	11.3	12.0	11.0	11.1	11.5	11.5	11.7	11.4
1990	11.4	10.7	10.7	10.6	10.6	10.7	11.4	11.7	11.9	11.7	12.2	12.2
<b>Unemployment rate, black men</b>												
1986	14.9	14.7	14.8	14.9	14.7	15.2	15.1	15.2	15.6	15.2	14.4	13.5
1987	13.8	13.3	13.0	12.8	13.9	12.9	13.0	12.7	11.9	11.6	11.8	11.9
1988	11.6	12.7	12.8	11.7	12.4	11.7	11.5	11.4	10.7	11.3	11.1	11.1
1989	11.8	12.1	11.2	11.9	11.6	11.6	10.5	11.3	11.4	11.6	11.8	11.9
1990	12.4	10.9	11.1	11.0	10.9	11.3	12.1	12.2	12.7	12.4	12.6	12.5
<b>Unemployment rate, black women</b>												
1986	14.1	14.1	14.3	14.7	14.5	15.0	13.6	14.5	14.2	13.9	14.3	13.8
1987	14.3	14.3	14.4	13.1	13.3	13.0	12.8	12.5	13.2	12.9	12.5	12.2
1988	12.4	11.9	12.6	12.8	12.3	11.7	11.7	11.5	11.1	10.8	10.9	11.2
1989	11.6	11.4	11.0	10.5	11.0	12.4	11.5	10.8	11.6	11.5	11.6	11.0
1990	10.4	10.5	10.3	10.2	10.3	10.2	10.7	11.1	11.1	11.1	11.8	12.0
<b>Unemployment rate, black workers, 16 to 19 years</b>												
1986	40.8	38.6	41.5	41.4	39.0	40.4	39.3	41.0	39.9	36.2	36.4	37.4
1987	38.4	37.2	36.4	37.6	36.8	34.1	33.5	29.7	31.1	34.3	34.1	34.2
1988	33.9	37.0	36.3	32.7	34.1	29.0	32.0	31.2	32.1	30.2	30.7	29.7
1989	34.6	32.6	32.2	33.2	32.7	35.1	27.9	30.0	36.9	32.9	31.6	29.3
1990	27.5	28.9	28.9	27.7	29.9	31.2	32.1	34.7	29.6	32.0	35.2	36.0
<b>Unemployment rate, black men, 18 to 19 years</b>												
1986	40.9	38.2	42.1	40.2	38.8	39.9	41.8	39.5	39.7	38.4	36.0	37.3
1987	35.7	36.4	35.7	38.1	37.6	32.1	33.6	33.0	32.3	32.6	32.6	34.6
1988	33.7	39.7	38.3	28.4	32.5	30.8	32.1	31.6	32.6	33.1	31.9	30.0
1989	35.6	32.9	29.2	36.4	35.8	32.5	23.4	29.2	34.7	32.3	32.0	29.2
1990	29.1	29.2	30.5	28.9	31.6	35.2	33.1	36.7	31.4	31.3	33.2	36.4
<b>Unemployment rate, black women, 16 to 19 years</b>												
1986	40.6	39.1	40.8	42.6	39.2	40.8	36.5	42.7	40.0	34.0	36.7	37.6
1987	41.4	38.0	37.2	37.1	36.0	36.1	33.3	25.7	30.0	36.0	35.6	33.8
1988	34.2	34.4	34.3	37.3	36.2	26.6	31.9	30.8	31.6	26.7	29.2	29.2
1989	33.4	32.3	35.4	30.0	29.8	38.4	32.9	31.1	39.0	33.5	31.3	29.5
1990	25.7	28.5	27.3	26.4	28.1	27.1	31.1	32.7	27.6	32.7	37.5	35.6

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, black workers, 20 years and over</b>												
1986	12.5	12.5	12.4	12.7	12.7	13.1	12.6	13.0	13.1	13.0	12.8	12.0
1987	12.3	12.0	12.1	11.2	11.9	11.4	11.4	11.2	11.1	10.5	10.5	10.4
1988	10.4	10.6	11.1	10.8	10.6	10.5	10.1	9.9	9.3	9.7	9.6	9.8
1989	10.2	10.2	9.6	9.6	9.7	10.2	9.7	9.7	9.6	10.0	10.2	10.1
1990	10.2	9.4	9.4	9.4	9.4	9.4	10.1	10.2	10.8	10.4	10.7	10.8
<b>Unemployment rate, black men, 20 years and over</b>												
1986	12.9	12.8	12.6	12.8	12.6	13.3	13.0	13.4	13.7	13.5	12.9	11.8
1987	12.1	11.5	11.3	10.9	12.2	11.5	11.5	10.9	10.3	10.0	10.2	10.1
1988	10.0	10.9	11.1	10.5	10.8	10.2	9.8	9.8	9.0	9.5	9.5	9.6
1989	10.1	10.4	9.8	10.1	9.9	9.8	9.5	9.9	9.8	10.0	10.2	10.5
1990	11.0	9.5	9.7	9.7	9.5	9.7	10.7	10.6	11.5	11.1	11.2	10.9
<b>Unemployment rate, black women, 20 years and over</b>												
1986	12.0	12.3	12.2	12.5	12.7	12.9	12.1	12.6	12.4	12.5	12.7	12.1
1987	12.5	12.5	12.8	11.5	11.6	11.3	11.4	11.5	11.9	11.1	10.8	10.6
1988	10.9	10.3	11.1	11.2	10.7	10.8	10.3	10.1	9.7	9.8	9.7	10.0
1989	10.3	10.0	9.4	9.1	9.6	10.7	10.0	9.5	9.5	9.9	10.2	9.6
1990	9.4	9.4	9.2	9.2	9.2	9.1	9.4	9.8	10.2	9.7	10.2	10.6
<b>Unemployment rate, Hispanic-origin workers</b>												
1986	10.2	11.9	10.7	10.3	10.8	10.6	10.7	10.9	11.1	10.4	9.3	10.5
1987	10.6	9.8	9.3	8.9	8.6	8.5	8.1	7.9	8.3	8.4	8.8	8.1
1988	7.6	8.6	8.5	8.8	8.8	8.8	7.9	8.2	7.5	7.9	7.9	7.3
1989	8.5	7.0	6.8	8.1	7.9	8.2	8.7	8.8	8.2	8.0	7.8	8.1
1990	7.4	7.9	7.7	7.9	7.7	7.3	7.9	7.9	8.5	8.2	8.6	9.3
<b>Unemployment rate, married men, spouse present</b>												
1986	4.3	4.4	4.5	4.2	4.5	4.5	4.5	4.3	4.3	4.5	4.4	4.3
1987	4.2	4.1	4.1	4.1	4.0	4.1	3.9	3.7	3.7	3.7	3.5	3.4
1988	3.5	3.4	3.4	3.0	3.3	3.2	3.1	3.4	3.1	3.1	3.2	3.1
1989	3.1	3.1	2.9	3.1	2.9	2.9	3.0	3.1	3.3	3.0	3.0	3.1
1990	3.4	3.1	3.2	3.2	3.3	3.2	3.3	3.5	3.5	3.5	3.7	3.8
<b>Unemployment rate, married women, spouse present</b>												
1986	5.0	5.4	5.5	5.3	5.5	5.4	5.2	5.1	5.1	5.0	4.9	4.7
1987	4.7	4.7	4.5	4.5	4.3	4.2	4.2	4.2	4.2	4.2	4.2	4.3
1988	4.1	4.1	4.0	3.8	3.9	3.9	4.0	4.0	3.8	3.7	3.8	3.6
1989	3.7	3.4	3.6	4.1	3.9	3.8	3.9	3.8	3.8	4.0	3.7	3.8
1990	3.7	3.8	3.7	3.6	3.6	3.7	3.6	3.9	3.9	3.9	4.1	4.1
<b>Unemployment rate, women who maintain families</b>												
1986	9.9	9.9	10.1	9.6	9.9	9.9	9.3	10.1	9.8	8.9	9.9	9.9
1987	9.7	9.6	9.8	9.5	9.4	9.6	9.0	9.1	8.8	8.9	8.6	8.2
1988	8.8	8.3	7.6	8.8	8.3	7.9	8.1	7.5	8.0	7.9	7.7	8.1
1989	8.1	8.1	7.9	8.0	8.3	8.0	8.3	8.0	7.5	7.7	8.2	7.9
1990	7.6	7.6	8.3	7.8	7.5	8.0	8.3	8.4	8.7	8.5	8.7	8.7
<b>Unemployment rate, full-time workers</b>												
1986	6.4	6.8	6.8	6.8	6.9	6.8	6.7	6.5	6.7	6.6	6.5	6.3
1987	6.3	6.3	6.1	5.9	5.9	6.0	5.8	5.7	5.4	5.6	5.4	5.3
1988	5.3	5.4	5.3	5.1	5.3	5.0	5.1	5.3	5.0	5.0	5.0	5.0
1989	5.0	4.8	4.8	4.9	4.9	5.0	5.0	5.0	4.9	4.9	5.0	4.9
1990	5.0	5.0	4.9	5.1	4.9	4.9	5.1	5.3	5.4	5.5	5.7	5.8
<b>Unemployment rate, full-time workers, 16 to 19 years</b>												
1986	19.9	19.6	19.1	19.9	19.8	20.5	20.3	19.6	19.5	18.4	18.9	18.5
1987	18.0	19.0	18.7	17.9	18.5	19.5	17.3	17.1	16.7	17.6	17.0	15.8
1988	16.5	15.9	17.3	16.5	16.3	14.4	14.7	16.9	16.2	15.2	14.2	16.8
1989	17.8	15.9	16.3	16.4	16.7	16.5	16.7	18.1	14.9	16.6	16.7	16.2
1990	16.0	16.2	15.4	16.6	16.2	14.8	17.6	19.3	17.0	16.8	17.3	17.7



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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, full-time workers, men, 20 years and over												
1986	5.7	6.1	6.1	6.0	6.2	6.1	6.2	5.9	6.1	6.1	6.0	5.9
1987	5.8	5.8	5.6	5.5	5.5	5.6	5.4	5.2	4.9	5.1	4.9	4.8
1988	4.8	4.8	4.9	4.5	4.8	4.6	4.5	4.9	4.5	4.6	4.6	4.5
1989	4.5	4.4	4.2	4.4	4.2	4.3	4.4	4.4	4.6	4.4	4.5	4.5
1990	4.6	4.5	4.6	4.6	4.6	4.6	4.8	4.9	5.0	5.1	5.4	5.5
Unemployment rate, full-time workers, women, 20 years and over												
1986	6.2	6.6	6.6	6.5	6.6	6.4	6.0	6.1	8.3	6.3	6.0	5.8
1987	5.9	5.8	5.7	5.5	5.4	5.5	5.3	5.3	5.2	5.2	5.1	5.1
1988	5.0	5.2	4.9	4.9	4.9	4.8	4.9	4.8	4.8	4.6	4.7	4.8
1989	4.6	4.5	4.7	4.6	4.8	4.9	5.0	4.7	4.4	4.6	4.6	4.6
1990	4.6	4.6	4.5	4.7	4.6	4.4	4.7	4.8	5.0	5.0	5.2	5.3
Unemployment rate, part-time workers												
1986	8.6	9.4	9.2	9.4	9.1	9.4	9.2	9.3	9.1	9.0	9.1	8.9
1987	8.9	8.7	9.4	8.7	8.7	7.2	7.9	8.2	8.4	8.3	8.1	8.1
1988	8.3	7.8	8.0	7.6	7.7	7.7	7.8	7.4	7.5	7.5	7.1	6.9
1989	7.8	7.2	6.4	7.3	6.9	7.6	6.9	6.9	7.4	7.3	7.5	7.5
1990	7.2	7.4	7.2	7.2	7.4	7.5	7.8	7.7	7.2	7.1	7.3	7.6
Unemployment rate, part-time workers, both sexes, 16 to 19 years												
1986	16.8	17.9	17.0	18.2	17.4	18.1	16.6	17.2	17.5	16.7	17.3	16.5
1987	17.4	17.0	16.7	16.7	16.6	14.2	15.0	15.3	15.6	16.6	18.1	18.1
1988	15.7	15.2	15.7	15.4	14.7	14.3	15.6	14.4	14.6	14.5	13.4	12.8
1989	15.4	14.1	11.7	13.2	13.5	15.5	13.2	13.4	15.0	13.0	13.9	14.2
1990	13.5	13.7	13.4	13.3	14.9	15.0	14.8	15.0	14.2	15.2	15.7	15.8
Unemployment rate, part-time workers, men, 20 years and over												
1986	6.5	6.7	7.2	7.5	7.5	7.6	7.3	8.1	8.5	8.0	7.4	8.0
1987	7.3	6.9	8.3	6.5	6.8	6.1	6.6	6.9	6.6	6.1	5.9	5.7
1988	7.1	6.1	6.7	5.3	6.4	6.2	5.5	5.2	5.6	5.8	6.1	6.1
1989	6.2	6.2	5.5	5.9	5.1	6.5	5.2	5.3	5.7	6.7	6.9	5.6
1990	6.0	6.4	5.7	6.6	6.5	6.0	7.4	7.1	6.5	5.8	5.8	6.7
Unemployment rate, part-time workers, women, 20 years and over												
1986	5.8	6.6	6.2	6.2	6.0	6.0	6.6	6.1	5.5	5.8	6.0	5.7
1987	5.6	5.6	6.5	5.8	5.7	4.2	5.3	5.3	5.9	5.4	5.4	5.4
1988	5.4	5.3	5.1	4.9	5.0	5.2	5.1	5.1	5.1	5.1	4.9	4.7
1989	5.1	4.6	4.6	5.4	4.8	4.7	4.8	4.7	4.8	5.2	5.0	5.4
1990	5.0	5.2	5.2	5.0	4.8	5.1	5.1	5.1	4.9	4.6	4.6	4.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, total wage and salary workers</b>												
1986	6.3	6.8	6.7	6.7	6.7	6.7	6.6	6.4	6.5	6.6	6.5	6.3
1987	6.2	6.2	6.2	5.9	5.8	5.8	5.7	5.6	5.6	5.6	5.5	5.3
1988	5.4	5.4	5.4	5.0	5.3	5.1	5.1	5.3	5.1	5.0	5.0	4.9
1989	5.1	4.9	4.8	5.0	5.0	5.1	5.1	5.0	5.0	5.0	5.1	5.0
1990	5.0	5.0	5.1	5.1	5.1	5.1	5.2	5.3	5.4	5.4	5.7	5.8
<b>Unemployment rate, wage and salary workers in agricultural industries</b>												
1986	11.2	13.8	12.2	13.9	15.1	13.7	11.5	12.9	12.7	11.7	9.9	12.0
1987	11.3	11.3	10.9	9.3	8.3	9.2	11.5	10.4	8.2	10.8	11.6	11.6
1988	11.5	10.7	11.1	10.2	12.1	9.6	11.3	11.1	10.9	10.3	9.5	8.9
1989	9.5	9.2	8.9	9.5	10.0	10.4	8.7	8.8	8.0	10.2	12.2	9.6
1990	9.2	9.5	10.1	10.5	8.1	9.8	10.1	9.5	9.3	8.5	9.8	12.3
<b>Unemployment rate, wage and salary workers in nonagricultural industries</b>												
1986	6.2	6.6	6.6	6.6	6.6	6.6	6.5	6.3	6.4	6.5	6.4	6.2
1987	6.1	6.1	6.1	5.9	5.8	5.8	5.6	5.6	5.5	5.5	5.4	5.2
1988	5.3	5.3	5.3	4.9	5.2	5.0	5.0	5.2	5.0	5.0	5.0	4.9
1989	5.1	4.8	4.7	4.9	4.9	5.0	5.0	4.9	5.0	4.9	4.9	4.9
1990	5.0	5.0	5.0	5.1	5.0	5.0	5.1	5.2	5.4	5.4	5.6	5.7
<b>Unemployment rate, government workers in nonagricultural industries</b>												
1986	3.5	3.8	4.1	3.6	3.7	3.6	3.3	3.1	3.5	3.7	3.5	3.4
1987	3.6	3.8	3.6	3.6	3.4	3.4	3.3	3.6	3.4	3.4	3.4	3.1
1988	3.1	2.9	3.0	3.0	2.9	2.8	2.9	3.0	2.6	2.5	2.4	2.7
1989	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.7	2.7	2.7	2.6	2.6
1990	2.4	2.5	2.4	2.2	2.5	2.9	2.8	2.8	2.8	2.8	2.8	2.7
<b>Unemployment rate, private wage and salary workers in nonagricultural industries</b>												
1986	6.7	7.2	7.1	7.2	7.2	7.2	7.2	7.0	7.0	7.1	7.0	6.7
1987	8.6	6.6	6.6	6.3	6.3	6.2	6.1	6.0	5.9	5.9	5.8	5.6
1988	5.7	5.7	5.7	5.3	5.7	5.5	5.5	5.6	5.5	5.4	5.5	5.3
1989	5.5	5.2	5.1	5.3	5.3	5.4	5.4	5.4	5.4	5.3	5.4	5.3
1990	5.5	5.5	5.5	5.6	5.5	5.4	5.5	5.7	5.8	5.9	6.2	6.3
<b>Unemployment rate, private wage and salary workers in nonagricultural goods-producing industries</b>												
1986	8.3	8.5	8.5	8.3	8.6	8.8	8.7	8.4	8.5	8.9	9.1	8.5
1987	8.0	8.0	8.1	7.6	7.7	7.3	7.1	6.9	7.1	7.1	6.5	6.3
1988	6.8	6.8	6.5	6.5	6.6	6.3	6.4	6.6	6.5	6.4	6.4	6.2
1989	6.2	6.1	5.9	5.9	5.9	6.4	6.3	6.3	6.4	6.3	6.3	6.3
1990	6.5	6.5	6.5	6.8	6.7	6.2	6.7	6.9	7.1	7.3	7.9	8.1
<b>Unemployment rate, private wage and salary workers in mining</b>												
1986	10.5	9.6	11.0	12.4	13.1	16.0	17.5	16.3	14.2	14.6	15.0	13.7
1987	13.7	12.5	9.6	11.1	12.5	10.2	8.6	8.8	7.4	8.6	6.4	7.8
1988	7.6	7.4	7.9	8.4	10.1	7.4	5.8	6.7	8.6	9.3	8.0	7.1
1989	8.1	7.5	6.5	5.7	5.0	4.1	6.1	6.1	8.4	5.5	5.8	4.1
1990	6.9	4.7	5.3	4.5	3.7	4.0	4.5	4.7	3.8	4.1	4.7	5.8
<b>Unemployment rate, private wage and salary workers in construction</b>												
1986	12.8	13.2	13.0	12.4	12.9	12.5	13.3	12.2	12.9	13.5	14.9	13.5
1987	12.2	11.7	12.5	12.1	12.1	11.9	11.0	11.1	12.3	11.3	10.5	10.5
1988	11.8	11.1	10.8	10.6	10.6	10.3	10.5	10.6	9.5	10.0	10.5	10.1
1989	10.3	10.3	9.6	9.7	9.4	10.1	10.6	10.2	10.3	9.1	9.6	9.6
1990	9.4	9.2	10.0	10.5	11.3	9.8	10.5	11.2	12.0	13.0	13.3	14.0
<b>Unemployment rate, private wage and salary workers in manufacturing</b>												
1986	6.9	7.2	7.1	6.9	7.3	7.5	7.0	7.0	7.0	7.4	7.2	6.9
1987	6.6	6.7	6.8	6.3	6.3	5.9	6.0	5.6	5.7	5.8	5.4	5.0
1988	5.3	5.6	5.3	5.2	5.4	5.1	5.3	5.5	5.6	5.3	5.1	5.0
1989	5.0	4.8	4.8	4.9	5.0	5.4	5.1	5.2	5.3	5.5	5.3	5.5
1990	5.7	5.7	5.5	5.8	5.5	5.2	5.7	5.8	5.8	5.8	6.5	6.5

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

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, private wage and salary workers in durable goods												
1986	6.8	7.2	6.8	6.9	7.1	7.3	6.7	6.9	6.6	7.5	6.7	6.4
1987	6.5	6.5	6.5	6.2	6.2	5.7	6.0	5.6	5.5	5.3	4.9	4.7
1988	5.1	5.8	5.1	4.8	5.0	4.8	5.0	5.0	5.4	5.0	4.7	4.8
1989	4.7	4.5	4.7	4.7	4.6	4.9	4.8	4.9	5.0	5.3	5.3	5.3
1990	5.6	5.5	5.3	5.6	5.5	5.2	5.7	5.9	6.0	5.9	6.9	6.6
Unemployment rate, private wage and salary workers in nondurable goods												
1986	7.0	7.2	7.5	7.0	7.4	7.7	7.3	7.0	7.6	7.2	7.9	7.5
1987	6.6	7.0	7.2	6.3	6.4	6.2	6.0	5.6	5.8	6.4	6.2	5.6
1988	5.7	5.3	5.5	5.9	5.9	5.5	5.6	6.1	5.9	5.7	5.6	5.3
1989	5.6	5.3	5.1	5.1	5.6	6.1	5.5	5.7	5.7	5.7	5.4	5.8
1990	5.7	6.1	5.8	6.0	5.4	5.3	5.7	5.6	5.4	5.7	5.9	6.4
Unemployment rate, private wage and salary workers in nonagricultural service-producing industries												
1986	5.9	6.5	6.5	6.6	6.4	6.3	6.4	6.3	6.3	6.1	5.9	5.8
1987	5.9	5.9	5.9	5.7	5.6	5.7	5.6	5.5	5.4	5.3	5.4	5.2
1988	5.2	5.2	5.3	4.7	5.2	5.1	5.0	5.1	5.0	5.0	5.1	4.8
1989	5.2	4.8	4.8	5.0	4.9	5.0	5.0	4.9	5.0	4.9	5.0	4.9
1990	5.0	5.0	5.0	5.1	5.0	5.0	5.0	5.2	5.3	5.3	5.4	5.4
Unemployment rate, private wage and salary workers in transportation and public utilities												
1986	4.5	5.6	5.7	5.4	5.2	5.1	5.6	4.9	4.8	5.2	4.3	4.6
1987	4.8	4.3	4.4	4.7	4.4	4.6	4.4	4.4	4.1	4.5	4.4	4.6
1988	3.7	3.8	4.1	3.8	4.3	3.9	3.6	3.8	3.7	3.5	4.2	3.8
1989	3.8	3.8	4.0	3.9	4.1	4.2	4.2	3.7	4.5	4.0	3.5	3.3
1990	4.1	3.9	3.5	4.2	3.3	3.2	3.7	4.0	3.9	4.1	4.1	4.2
Unemployment rate, private wage and salary workers in wholesale and retail trade												
1986	7.2	7.8	7.7	8.0	7.9	7.7	7.8	7.4	7.7	7.5	7.1	7.1
1987	7.4	7.3	7.3	7.1	6.9	7.2	6.8	6.9	6.5	6.6	6.7	6.0
1988	6.2	6.5	6.9	5.9	6.3	6.0	6.2	6.3	6.2	6.0	6.0	6.1
1989	6.4	5.8	5.7	5.9	5.6	6.1	6.2	6.1	5.8	5.9	6.3	6.3
1990	6.2	6.1	6.2	6.2	6.2	6.3	6.1	6.3	6.6	6.7	6.7	6.6
Unemployment rate, private wage and salary workers in finance and service industries												
1986	5.2	5.7	5.8	5.8	5.6	5.6	5.6	5.7	5.5	5.3	5.3	5.1
1987	5.1	5.3	5.1	4.8	4.8	4.9	5.0	4.8	4.8	4.6	4.7	4.9
1988	4.8	4.6	4.4	4.1	4.6	4.7	4.5	4.5	4.3	4.5	4.6	4.1
1989	4.6	4.3	4.3	4.6	4.6	4.3	4.4	4.4	4.5	4.4	4.3	4.2
1990	4.3	4.4	4.5	4.5	4.4	4.5	4.5	4.7	4.7	4.5	4.7	4.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**13. Unemployment rates by occupation**

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
<b>Unemployment rate, managerial and professional specialty workers</b>												
1983	3.7	3.5	3.7	3.7	3.4	3.4	3.2	3.1	3.0	2.7	2.8	2.8
1984	2.9	2.8	2.6	2.5	2.6	2.2	2.6	2.8	2.6	2.6	2.6	2.5
1985	2.5	2.3	2.5	2.6	2.4	2.5	2.4	2.6	2.5	2.3	2.3	2.3
1986	2.1	2.4	2.6	2.3	2.4	2.3	2.5	2.4	2.4	2.5	2.4	2.4
1987	2.4	2.5	2.4	2.4	2.4	2.3	2.2	2.0	2.1	2.2	2.2	2.3
1988	2.1	2.0	1.8	1.9	1.8	1.9	2.0	2.3	1.8	1.9	1.8	1.9
1989	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	2.0	1.9	2.2	2.1
1990	1.9	1.9	2.0	2.0	2.0	2.2	2.1	2.2	2.3	2.2	2.2	2.2
<b>Unemployment rate, technical, sales, and administrative support workers</b>												
1983	6.9	6.9	6.6	6.6	6.7	6.6	6.3	6.3	5.8	5.9	5.7	5.6
1984	5.4	5.4	5.2	5.3	4.9	4.8	4.8	4.9	4.9	4.8	4.8	5.0
1985	5.0	4.9	4.8	4.9	5.2	4.9	4.9	4.7	4.7	4.9	4.6	4.6
1986	4.4	5.1	4.8	4.7	4.9	4.9	4.8	4.7	4.8	4.6	4.7	4.3
1987	4.4	4.5	4.7	4.6	4.3	4.4	4.2	4.3	4.2	4.3	4.2	4.0
1988	4.0	4.0	4.1	3.8	4.1	4.0	4.0	4.1	4.1	3.9	3.9	3.9
1989	4.0	3.9	3.8	3.9	4.0	3.8	4.0	3.8	3.9	4.2	3.9	3.9
1990	4.0	4.1	3.8	4.0	3.8	4.1	4.1	4.3	4.3	4.4	4.6	4.8
<b>Unemployment rate, precision production, craft, and repair workers</b>												
1983	11.3	11.8	11.8	11.5	11.4	11.3	10.5	10.7	10.1	9.5	8.4	8.6
1984	8.2	8.0	7.8	7.6	7.6	7.4	7.4	7.0	7.0	7.0	7.1	6.8
1985	7.5	7.2	7.2	7.3	6.7	7.2	7.2	7.2	7.7	7.0	7.1	7.4
1986	6.8	7.6	7.4	7.5	7.4	7.1	7.4	7.1	6.9	7.2	7.0	6.8
1987	6.4	6.2	6.3	6.2	6.3	6.4	6.1	6.1	5.9	5.7	5.5	5.3
1988	5.5	5.4	5.9	5.1	5.3	5.2	5.2	5.0	4.9	5.8	5.5	5.3
1989	5.3	5.3	5.3	5.3	5.3	5.3	4.6	5.3	5.2	5.2	4.9	5.5
1990	5.2	5.3	5.2	5.5	5.4	5.2	5.7	6.2	6.5	6.5	6.9	7.0
<b>Unemployment rate, operators, fabricators, and laborers</b>												
1983	18.5	17.9	17.4	16.7	16.7	15.6	14.9	14.7	14.2	13.3	12.9	12.9
1984	12.1	12.0	11.6	11.8	11.6	11.4	11.4	11.4	11.1	11.2	10.8	11.6
1985	11.6	11.4	11.3	11.4	10.9	11.6	11.6	11.4	11.4	11.3	11.1	10.6
1986	10.6	10.7	11.0	11.0	10.9	11.5	10.5	10.4	11.0	11.0	10.9	10.8
1987	10.3	10.5	10.3	9.7	9.8	9.2	9.4	9.1	8.7	9.0	8.5	8.6
1988	8.6	8.8	8.7	8.5	8.7	8.0	7.8	8.5	8.6	7.7	8.0	8.0
1989	8.1	7.8	7.3	7.7	7.3	8.5	8.7	8.4	8.5	8.2	8.2	7.9
1990	8.7	8.1	8.5	8.7	8.3	8.1	8.2	8.3	8.2	8.9	9.4	9.6
<b>Unemployment rate, farming, forestry, and fishing workers</b>												
1983	9.2	10.2	9.9	10.1	9.8	10.6	10.1	10.8	10.0	10.0	9.7	9.2
1984	9.3	8.1	8.8	8.7	8.5	7.7	8.1	7.6	8.9	8.6	7.6	9.3
1985	9.3	9.0	8.5	8.5	7.4	8.7	8.3	7.9	7.9	8.0	8.1	7.5
1986	6.7	8.7	8.7	8.6	9.0	8.3	7.0	7.6	7.8	7.5	6.9	7.4
1987	7.5	7.5	7.8	6.8	5.4	6.8	7.1	7.1	6.6	7.2	7.5	7.2
1988	7.3	6.8	7.0	6.6	7.4	6.8	7.5	7.4	7.7	6.7	6.7	6.2
1989	6.6	6.2	6.4	6.5	6.5	6.9	5.7	6.1	5.3	6.7	7.6	6.2
1990	5.8	6.2	6.3	6.8	5.3	6.2	6.8	6.3	6.2	5.5	6.2	6.9

# 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 <sup>3</sup>	729	57,400	2,600	11,800

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

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

<sup>3</sup> 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)
<b>Total, 16 years and over:</b>		
Civilian labor force .....	275	212
Employed .....	293	224
Unemployed .....	136	140
<b>Men, 20 years and over:</b>		
Civilian labor force .....	173	151
Employed .....	186	163
Unemployed .....	93	95
<b>Women, 20 years and over:</b>		
Civilian labor force .....	211	155
Employed .....	212	160
Unemployed .....	83	87
<b>Both sexes, 16 to 19 years:</b>		
Civilian labor force .....	88	94
Employed .....	92	102
Unemployed .....	59	66
<b>Black, 16 years and over:</b>		
Civilian labor force .....	94	73
Employed .....	104	79
Unemployed .....	68	71
<b>Men, 20 years and over:</b>		
Civilian labor force .....	59	51
Employed .....	64	57
Unemployed .....	44	47
<b>Women, 20 years and over:</b>		
Civilian labor force .....	76	50
Employed .....	76	54
Unemployed .....	45	48
<b>Both sexes, 16 to 19 years:</b>		
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
<b>Total (all civilian workers)</b> .....	0.11	0.12			
Men, 20 years and over .....	.15	.15	<b>Occupation—Continued</b>		
Women, 20 years and over .....	.16	.17	Precision production, craft, and repair .....	0.32	0.36
Both sexes, 16 to 19 years .....	.67	.81	Machine operators, assemblers, and inspectors .....	.49	.55
White workers .....	.11	.12	Transportation and material moving .....	.59	.66
Black workers .....	.51	.54	Handlers, equipment cleaners, helpers, and laborers .....	.72	.82
Married men, spouse present .....	.15	.17	Farming, forestry, and fishing .....	.68	.76
Married women, spouse present .....	.19	.21			
Full-time workers .....	.12	.12	<b>Industry</b>		
Part-time workers .....	.34	.42	Nonagricultural private wage and salary workers .....	.12	.13
Unemployed 15 weeks and over .....	.06	.07	Mining .....	1.63	1.86
			Construction .....	.65	.75
<b>Occupation</b>			Manufacturing .....	.26	.29
Executive, administrative, and managerial .....	.22	.24	Durable goods .....	.33	.37
Professional specialty .....	.19	.21	Nondurable goods .....	.42	.47
Technicians and related support .....	.47	.52	Transportation, communications, and public utilities .....	.42	.48
Sales .....	.29	.33	Wholesale and retail trade .....	.27	.30
Administrative support, including clerical .....	.23	.26	Finance and services .....	.20	.22
Private household .....	1.18	1.33	Government workers .....	.23	.25
Protective service .....	.76	.85	Agricultural wage and salary workers .....	1.16	1.32
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 <sup>1</sup>								
	Agricultural employment	Unemployment		Labor force data other than agricultural employment and unemployment					
		Total or white	Black	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only
50	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	-	-	-	-	-

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

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

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

(in thousands)

Estimated monthly level	Characteristic <sup>1</sup>							
	Unemployment				Labor force data other than unemployment and agricultural employment			
	Total or white	Both sexes 16 to 19 years, or part-time labor force <sup>2</sup>	Black	Black, 16 to 19 years	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years
50	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	76	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	-	-	-

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

<sup>2</sup> Part-time labor force for unemployment also includes persons reentering

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

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. <sup>1</sup>	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees . . . . .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours . . . . .	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . . . .	Production worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings . . . . .	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings . . . . .	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers . . . . .	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Average weekly hours . . . . .	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours . . . . .	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Average hourly earnings . . . . .	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings . . . . .	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

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

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

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

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	( <sup>1</sup> )
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

<sup>1</sup> 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 <sup>1</sup>		
		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	( <sup>3</sup> )	2,976	100
State .....	4,257	4,437	3,207	75
Local .....	10,778	15,428	6,661	62

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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 <sup>1</sup>	Relative error <sup>2</sup>	
		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	.8
Government <sup>3</sup> .....	.4	-	-

<sup>1</sup> The average percent revision in employment for the 1985-89 benchmarks.

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

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

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

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

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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