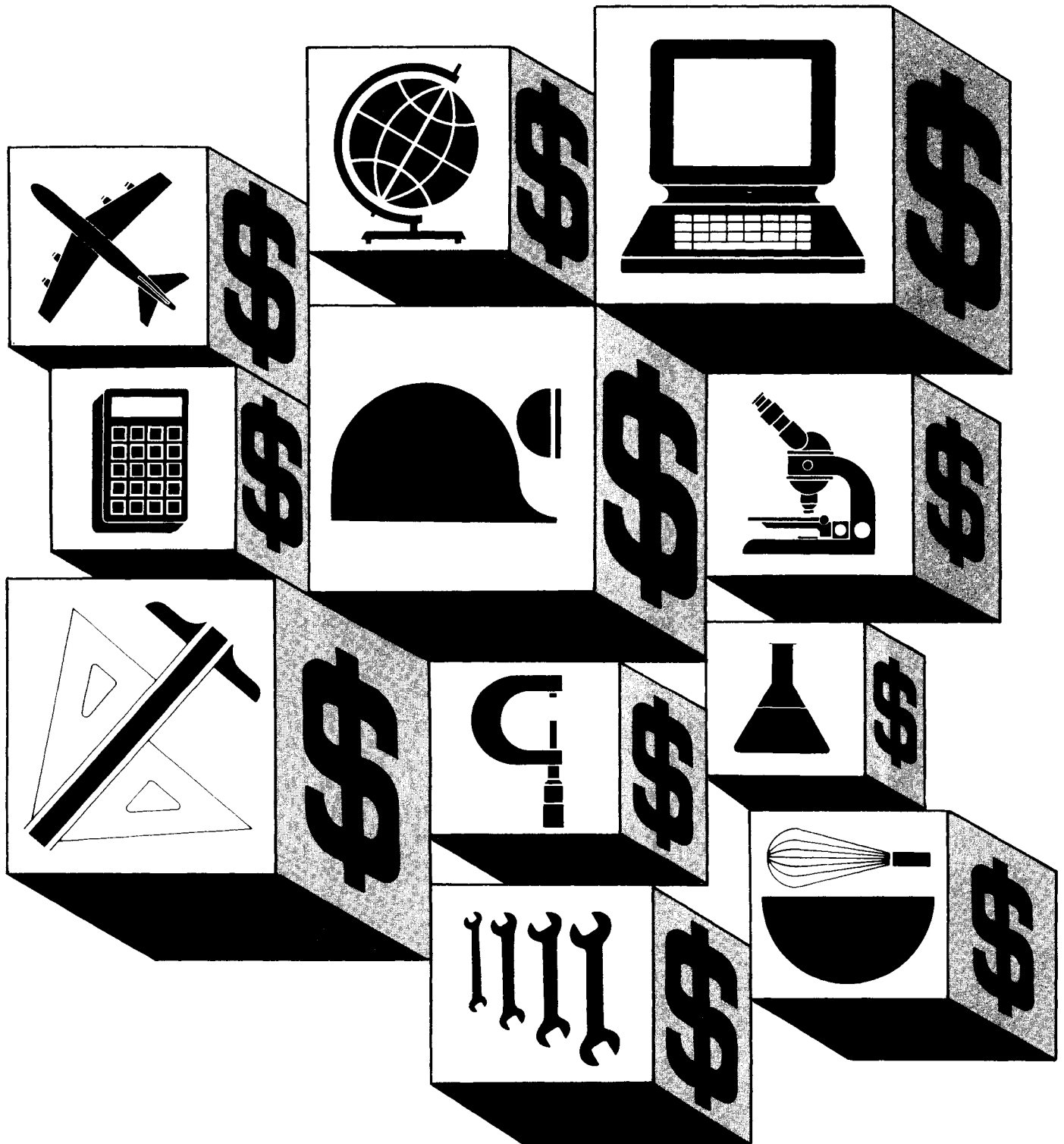


EMPLOYMENT AND EARNINGS

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

In this issue:
Revised seasonally adjusted labor force series





U.S. DEPARTMENT OF LABOR

Elizabeth Dole, Secretary

BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

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Calendar of Features

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

Household data

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

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

State and area labor force data

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

Employment and Earnings

Vol. 37 No. 2 February 1990

Editors: Gloria Peterson Green, Rosalie K. Epstein

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Employment and Unemployment Developments, January 1990

Payroll employment rose in January and unemployment was about unchanged. The overall jobless rate was 5.2 percent and the civilian worker rate was 5.3 percent. Both had been 5.3 percent in December.

Employment, as measured by the survey of nonfarm business establishments, rose by 275,000 in January to 109.8 million. A strong, largely weather-related, rebound in construction and continuing growth in the service-producing sector offset sizable cutbacks in factory employment that were concentrated in auto manufacturing. Total civilian employment, as measured by the survey of households, remained at 117.9 million in January.

Unemployment

The number of unemployed persons was about unchanged in January at 6.5 million, seasonally adjusted, and the civilian worker unemployment rate remained at 5.3 percent. The civilian worker rate has been 5.3 percent for 8 consecutive months. (See table A-33.)

Jobless rates were little changed over the month for most individual worker groups—adult men (4.7 percent), adult women (4.6 percent), teenagers (14.5 percent), and whites (4.5 percent). The rate for all blacks (11.3 percent) was also little changed, but that for black teenagers, which is quite volatile, dipped to 26.7 percent. The rate for Hispanics, which also fluctuates considerably, fell by 1.4 percentage points to 7.1 percent. (See tables A-33 and A-34.)

Although the total number of unemployed was little changed, the number of jobless persons who were on layoff from their jobs rose slightly in January. This total has been trending upward since mid-1989. Over the same period, the jobless rate for workers in the manufacturing industry has also increased significantly, rising by nearly a full percentage point to 5.9 percent. (See tables A-41 and A-39.)

The number of persons working part time for economic reasons—often referred to as the partially unemployed—rose by 180,000 in January to about 5 million. (See table A-35.)

Civilian employment and the labor force

Total civilian employment held at 117.9 million in January, seasonally adjusted, and the employment-population ratio was essentially unchanged at 62.9 percent. The civilian labor force (124.4 million) and the labor force participation rate (66.4 percent) were also little changed in January. (See table A-33.)

Industry payroll employment

Total nonagricultural payroll employment increased by 275,000 in January to a seasonally adjusted level of 109.8 million. Over the year, the number of payroll jobs has risen by 2.4 million. (See table B-4.)

In the goods-producing sector, construction employment increased by 105,000 (seasonally adjusted) in January, following a 50,000 decrease in December due to unusually poor weather. In contrast, the weather in January was unusually mild. Job cutbacks continued in manufacturing, with employment falling by 110,000 over the month. Temporary plant shutdowns in the auto industry accounted for most of the over-the-month decrease. Employment also fell in two related industries—fabricated metal products and rubber and plastics. Elsewhere in manufacturing, there was little over-the-month movement in the individual industries.

In the service-producing sector, retail trade employment rose by 115,000 in January after seasonal adjustment, following a decrease in the previous month. Within retail trade, general merchandise stores, food stores, and restaurants all had job gains of 25,000. The services industry experienced employment gains of 105,000, with health services accounting for nearly half the increase. Both the transportation and wholesale trade industries had job gains of 25,000 in January, and finance, insurance, and real estate had a small employment increase.

Weekly hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls edged up 0.1 hour in January to 34.6 hours, seasonally adjusted. In manufacturing, both the average workweek and average overtime were unchanged at 40.7 and 3.6 hours, respectively. (See table C-5.)

Largely reflecting the changes in employment, the index of aggregate weekly hours of private production or nonsupervisory workers rose 0.6 percent in January to 129.6 (1977=100), while the manufacturing index fell by the same amount to 93.9. Since last April, the manufacturing index has fallen by 3.4 percent. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose by 0.1

percent in January on a seasonally adjusted basis, while average weekly earnings rose by 0.4 percent. Before seasonal adjustment, average hourly earnings rose 5 cents to \$9.89, and

average weekly earnings fell \$2.22 to \$338.24. Over the year, average hourly earnings increased by 3.7 percent, and average weekly earnings rose by 2.8 percent. (See tables C-1 and C-7.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
February	March 9	May	June 1
March	April 6	June	July 6
April	May 4	July	August 3

**HOUSEHOLD DATA
HISTORICAL**

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

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force								Not in labor force	
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number		Percent of labor force
						Total	Agriculture	Nonagricultural industries			
Annual averages											
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,316
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752
1987	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888
1988	186,322	123,378	66.2	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944
1989	188,081	125,557	66.8	119,030	1,688	117,342	3,199	114,142	6,528	5.2	62,523
Monthly data, seasonally adjusted²											
1989:											
January	187,340	124,961	66.7	118,336	1,696	116,640	3,268	113,372	6,625	5.3	62,379
February	187,461	124,801	66.6	118,441	1,684	116,757	3,196	113,561	6,360	5.1	62,660
March	187,581	124,929	66.6	118,731	1,684	117,047	3,185	113,862	6,198	5.0	62,652
April	187,708	125,299	66.8	118,768	1,684	117,084	3,144	113,940	6,531	5.2	62,409
May	187,854	125,224	66.7	118,805	1,673	117,132	3,137	113,995	6,419	5.1	62,630
June	187,995	125,777	66.9	119,208	1,666	117,542	3,138	114,404	6,569	5.2	62,218
July	188,149	125,679	66.8	119,102	1,666	117,436	3,217	114,219	6,577	5.2	62,470
August	188,286	125,758	66.8	119,238	1,688	117,550	3,275	114,275	6,520	5.2	62,528
September	188,428	125,725	66.7	119,121	1,702	117,419	3,219	114,200	6,804	5.3	62,703
October	188,580	125,857	66.7	119,294	1,709	117,585	3,197	114,388	6,563	5.2	62,723
November	188,721	126,192	66.9	119,540	1,704	117,836	3,160	114,676	6,652	5.3	62,529
December	188,865	126,246	66.8	119,588	1,700	117,888	3,197	114,691	6,658	5.3	62,619
1990:											
January	188,990	126,094	66.7	119,560	1,697	117,863	3,134	114,728	6,535	5.2	62,896

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

² The population and Armed Forces figures are not adjusted for

seasonal variation.

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

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1979 to date

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293	
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484	
1984	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771	
1985	86,025	65,967	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058	
1986 ¹	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376	
1987	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692	
1988	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930	
1989	90,283	69,360	76.8	65,835	1,520	64,315	2,513	61,802	3,525	5.1	20,923	
Monthly data, seasonally adjusted²												
1989:												
January	89,914	68,936	76.7	65,296	1,532	63,764	2,488	61,276	3,640	5.3	20,978	
February	89,973	69,033	76.7	65,529	1,521	64,008	2,503	61,505	3,504	5.1	20,940	
March	90,032	69,100	76.8	65,814	1,521	64,293	2,495	61,798	3,286	4.8	20,932	
April	90,094	69,293	76.9	65,727	1,521	64,206	2,460	61,746	3,566	5.1	20,801	
May	90,167	69,142	76.7	65,713	1,511	64,202	2,465	61,737	3,429	5.0	21,025	
June	90,237	69,542	77.1	66,078	1,501	64,577	2,480	62,097	3,464	5.0	20,695	
July	90,315	69,366	76.8	65,939	1,499	64,440	2,539	61,901	3,427	4.9	20,949	
August	90,384	69,404	76.8	65,919	1,519	64,400	2,592	61,808	3,485	5.0	20,980	
September	90,456	69,360	76.7	65,681	1,531	64,150	2,520	61,630	3,679	5.3	21,096	
October	90,535	69,599	76.9	66,046	1,533	64,513	2,513	62,000	3,553	5.1	20,936	
November	90,606	69,635	76.9	66,011	1,529	64,482	2,477	62,005	3,624	5.2	20,971	
December	90,678	69,725	76.9	66,143	1,525	64,618	2,535	62,083	3,582	5.1	20,953	
1990:												
January	90,772	69,539	76.6	65,943	1,523	64,420	2,501	61,918	3,597	5.2	21,233	
Annual averages												
WOMEN												
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608	
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686	
1986 ¹	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
1987	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195	
1988	96,918	54,904	56.6	51,858	162	51,696	676	51,020	3,046	5.5	42,014	
1989	97,798	56,198	57.5	53,195	168	53,027	687	52,341	3,003	5.3	41,601	
Monthly data, seasonally adjusted²												
1989:												
January	97,427	56,025	57.5	53,040	164	52,876	780	52,096	2,985	5.3	41,402	
February	97,488	55,768	57.2	52,912	163	52,749	693	52,056	2,856	5.1	41,720	
March	97,550	55,829	57.2	52,917	163	52,754	690	52,064	2,912	5.2	41,721	
April	97,614	56,006	57.4	53,041	163	52,878	684	52,194	2,965	5.3	41,608	
May	97,687	56,082	57.4	53,092	162	52,930	672	52,258	2,990	5.3	41,605	
June	97,758	56,235	57.5	53,130	165	52,965	658	52,307	3,105	5.5	41,523	
July	97,834	56,313	57.6	53,163	167	52,996	678	52,318	3,150	5.6	41,521	
August	97,902	56,354	57.6	53,319	169	53,150	683	52,467	3,035	5.4	41,548	
September	97,972	56,365	57.5	53,440	171	53,269	699	52,570	2,925	5.2	41,607	
October	98,045	56,258	57.4	53,248	176	53,072	684	52,388	3,010	5.4	41,787	
November	98,115	56,557	57.6	53,529	175	53,354	683	52,671	3,028	5.4	41,558	
December	98,187	56,521	57.6	53,445	175	53,270	662	52,608	3,076	5.4	41,666	
1990:												
January	98,218	56,555	57.6	53,617	174	53,443	633	52,810	2,938	5.2	41,663	

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

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

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1956 to date

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
Annual averages								
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ¹	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 ¹	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
1989	186,393	123,869	66.5	117,342	6,528	5.3	5.2	5.4
Monthly data, seasonally adjusted ²								
1989:								
January	185,644	123,265	66.4	116,640	6,625	5.4	5.4	5.3
February	185,777	123,117	66.3	116,757	6,360	5.2	5.2	5.1
March	185,897	123,245	66.3	117,047	6,198	5.0	4.9	5.2
April	186,024	123,615	66.5	117,084	6,531	5.3	5.3	5.3
May	186,181	123,551	66.4	117,132	6,419	5.2	5.1	5.3
June	186,329	124,111	66.6	117,542	6,569	5.3	5.1	5.5
July	186,483	124,013	66.5	117,436	6,577	5.3	5.0	5.6
August	186,598	124,070	66.5	117,550	6,520	5.3	5.1	5.4
September	186,726	124,023	66.4	117,419	6,604	5.3	5.4	5.2
October	186,871	124,148	66.4	117,585	6,563	5.3	5.2	5.4
November	187,017	124,488	66.6	117,836	6,652	5.3	5.3	5.4
December	187,165	124,546	66.5	117,888	6,658	5.3	5.3	5.5
1990:								
January	187,293	124,397	66.4	117,863	6,535	5.3	5.3	5.2

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

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	January 1990										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	187,293	123,293	65.8	116,037	7,256	5.9	64,000	27,056	8,746	3,502	24,697
16 to 19 years	14,034	7,063	50.3	5,970	1,093	15.5	6,971	461	5,890	23	597
16 to 17 years	6,692	2,543	38.0	2,153	390	15.3	4,149	109	3,853	5	182
18 to 19 years	7,342	4,521	61.6	3,817	704	15.6	2,821	353	2,036	18	415
20 to 24 years	17,816	13,551	76.1	12,238	1,312	9.7	4,265	1,583	1,753	127	802
25 to 54 years	104,605	87,412	83.6	83,139	4,273	4.9	17,193	11,577	1,073	1,352	3,190
25 to 34 years	42,848	35,976	84.0	33,873	2,103	5.8	6,872	4,740	706	292	1,134
25 to 29 years	20,974	17,557	83.7	16,451	1,106	6.3	3,417	2,269	453	136	558
30 to 34 years	21,874	18,419	84.2	17,422	997	5.4	3,455	2,471	253	155	576
35 to 44 years	36,660	31,253	85.3	29,907	1,345	4.3	5,407	3,680	293	494	940
35 to 39 years	19,590	16,625	84.9	15,907	718	4.3	2,965	2,032	186	229	518
40 to 44 years	17,070	14,628	85.7	14,000	628	4.3	2,442	1,648	107	265	421
45 to 54 years	25,097	20,183	80.4	19,359	825	4.1	4,914	3,157	74	567	1,117
45 to 49 years	13,672	11,407	83.4	10,914	493	4.3	2,265	1,500	53	241	471
50 to 54 years	11,425	8,776	76.8	8,444	332	3.8	2,649	1,657	20	325	646
55 to 64 years	21,292	11,832	55.6	11,373	459	3.9	9,460	4,458	5	801	4,197
55 to 59 years	10,616	7,054	66.5	6,754	300	4.3	3,561	1,960	-	396	1,206
60 to 64 years	10,676	4,777	44.7	4,619	159	3.3	5,899	2,498	6	404	2,991
65 years and over	29,546	3,435	11.6	3,316	119	3.5	26,111	8,977	25	1,199	15,911
65 to 69 years	10,112	2,069	20.5	1,998	70	3.4	8,043	2,891	8	328	4,815
70 to 74 years	7,892	887	11.2	851	35	4.0	7,005	2,363	5	217	4,400
75 years and over	11,543	480	4.2	466	13	2.8	11,063	3,702	12	654	6,695
Men											
16 years and over	89,249	67,321	75.4	63,079	4,242	6.3	21,928	541	4,417	1,978	14,992
16 to 19 years	7,081	3,667	51.8	3,037	630	17.2	3,414	12	3,062	13	327
16 to 17 years	3,416	1,278	37.4	1,070	209	16.3	2,137	5	2,027	3	103
18 to 19 years	3,665	2,389	65.2	1,967	421	17.6	1,277	8	1,035	10	224
20 to 24 years	8,636	7,121	82.5	6,356	765	10.7	1,515	37	924	85	469
25 to 54 years	51,174	47,798	93.4	45,314	2,484	5.2	3,376	227	428	907	1,814
25 to 34 years	21,061	19,837	94.2	18,609	1,228	6.2	1,224	84	335	198	608
25 to 29 years	10,281	9,602	93.4	8,954	648	6.8	679	44	233	87	315
30 to 34 years	10,780	10,235	94.9	9,656	579	5.7	545	40	102	110	293
35 to 44 years	17,945	16,928	94.3	16,155	773	4.6	1,018	79	69	333	537
35 to 39 years	9,635	9,104	94.5	8,683	421	4.6	531	37	49	141	305
40 to 44 years	8,310	7,824	94.1	7,473	351	4.5	487	42	21	192	232
45 to 54 years	12,168	11,033	90.7	10,550	483	4.4	1,135	65	24	377	669
45 to 49 years	6,648	6,153	92.5	5,854	299	4.9	495	30	20	159	286
50 to 54 years	5,519	4,880	88.4	4,695	185	3.8	639	34	4	118	383
55 to 64 years	10,049	6,724	66.9	6,422	302	4.5	3,325	63	-	496	2,766
55 to 59 years	5,063	4,009	79.2	3,805	205	5.1	1,054	26	-	246	781
60 to 64 years	4,986	2,715	54.4	2,617	98	3.6	2,271	37	-	250	1,985
65 years and over	12,310	2,012	16.3	1,950	62	3.1	10,297	201	3	476	9,617
65 to 69 years	4,595	1,198	26.1	1,160	37	3.1	3,397	66	-	184	3,147
70 to 74 years	3,431	512	14.9	493	19	3.7	2,920	41	1	84	2,793
75 years and over	4,283	303	7.1	297	6	2.0	3,981	93	2	208	3,677
Women											
16 years and over	98,044	55,971	57.1	52,958	3,014	5.4	42,072	26,515	4,329	1,523	9,705
16 to 19 years	6,953	3,396	48.8	2,933	463	13.6	3,557	449	2,828	10	271
16 to 17 years	3,276	1,264	38.6	1,083	181	14.3	2,012	104	1,826	2	80
18 to 19 years	3,677	2,132	58.0	1,850	282	13.2	1,545	345	1,001	8	191
20 to 24 years	9,180	6,430	70.0	5,882	548	8.5	2,750	1,546	829	41	334
25 to 54 years	53,431	39,615	74.1	37,825	1,789	4.5	13,816	11,350	645	445	1,377
25 to 34 years	21,787	16,140	74.1	15,264	875	5.4	5,648	4,656	372	94	526
25 to 29 years	10,694	7,956	74.4	7,498	458	5.8	2,738	2,225	221	49	243
30 to 34 years	11,094	8,184	73.8	7,766	418	5.1	2,910	2,431	151	45	283
35 to 44 years	18,714	14,325	76.5	13,752	573	4.0	4,390	3,601	224	161	403
35 to 39 years	9,955	7,521	75.5	7,224	296	3.9	2,434	1,995	137	88	213
40 to 44 years	8,759	6,804	77.7	6,528	276	4.1	1,955	1,606	87	73	190
45 to 54 years	12,929	9,150	70.8	8,809	341	3.7	3,779	3,092	50	190	448
45 to 49 years	7,024	5,254	74.8	5,060	194	3.7	1,770	1,469	34	82	185
50 to 54 years	5,906	3,896	66.0	3,749	147	3.8	2,009	1,623	16	108	263
55 to 64 years	11,243	5,108	45.4	4,951	156	3.1	6,135	4,395	6	305	1,430
55 to 59 years	5,553	3,045	54.8	2,950	96	3.1	2,508	1,934	-	150	424
60 to 64 years	5,690	2,063	36.2	2,002	61	3.0	3,628	2,461	7	154	1,006
65 years and over	17,237	1,423	8.3	1,366	57	4.0	15,814	8,776	22	723	6,294
65 to 69 years	5,517	871	15.8	838	33	3.8	4,646	2,825	9	144	1,668
70 to 74 years	4,460	375	8.4	359	17	4.5	4,085	2,342	3	132	1,607
75 years and over	7,259	177	2.4	170	7	4.1	7,082	3,608	10	446	3,018

**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 1990										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	159,938	105,906	66.2	100,419	5,486	5.2	54,032	23,429	6,607	2,625	21,371
16 to 19 years	11,303	6,063	53.6	5,213	850	14.0	5,240	354	4,428	19	440
16 to 17 years	5,352	2,209	41.3	1,893	316	14.3	3,143	88	2,909	5	141
18 to 19 years	5,952	3,854	64.8	3,319	534	13.9	2,098	266	1,519	13	299
20 to 24 years	14,728	11,452	77.8	10,506	947	8.3	3,276	1,194	1,380	87	614
25 to 54 years	88,809	74,830	84.3	71,631	3,199	4.3	13,979	9,780	774	989	2,436
25 to 34 years	35,885	30,427	84.8	28,925	1,503	4.9	5,458	3,918	505	214	821
25 to 29 years	17,531	14,861	84.8	14,052	809	5.4	2,670	1,847	325	99	399
30 to 34 years	18,354	15,566	84.8	14,873	694	4.5	2,788	2,071	180	116	422
35 to 44 years	31,347	26,917	85.9	25,899	1,018	3.8	4,430	3,149	215	361	705
35 to 39 years	16,628	14,213	85.5	13,690	524	3.7	2,415	1,764	128	168	356
40 to 44 years	14,719	12,704	86.3	12,210	494	3.9	2,015	1,385	87	194	349
45 to 54 years	21,577	17,486	81.0	16,807	679	3.9	4,091	2,714	54	413	910
45 to 49 years	11,781	9,900	84.0	9,484	417	4.2	1,880	1,285	40	175	380
50 to 54 years	9,796	7,585	77.4	7,323	262	3.5	2,210	1,429	14	238	530
55 to 64 years	18,633	10,444	56.1	10,055	389	3.7	8,189	3,944	3	592	3,649
55 to 59 years	9,201	6,182	67.2	5,931	251	4.1	3,020	1,711	-	302	1,008
60 to 64 years	9,432	4,263	45.2	4,124	138	3.2	5,170	2,233	5	290	2,641
65 years and over	26,464	3,116	11.8	3,015	101	3.3	23,348	8,156	22	938	14,232
65 to 69 years	8,959	1,873	20.9	1,813	61	3.2	7,085	2,572	7	247	4,260
70 to 74 years	7,079	801	11.3	771	30	3.7	6,279	2,160	5	170	3,944
75 years and over	10,426	442	4.2	431	11	2.5	9,984	3,425	10	521	6,028
Men											
16 years and over	76,813	58,606	76.3	55,362	3,244	5.5	18,207	408	3,321	1,486	12,992
16 to 19 years	5,705	3,142	55.1	2,659	482	15.4	2,563	10	2,301	11	241
16 to 17 years	2,738	1,104	40.3	944	161	14.5	1,634	5	1,546	3	80
18 to 19 years	2,966	2,038	68.7	1,716	322	15.8	929	5	754	8	162
20 to 24 years	7,211	6,066	84.1	5,506	560	9.2	1,145	23	718	54	351
25 to 54 years	43,991	41,534	94.4	39,642	1,892	4.6	2,457	143	303	678	1,332
25 to 34 years	17,879	17,010	95.1	16,104	906	5.3	869	39	241	147	442
25 to 29 years	8,702	8,222	94.5	7,722	500	6.1	480	22	172	61	225
30 to 34 years	9,176	8,787	95.8	8,382	406	4.6	389	17	68	87	217
35 to 44 years	15,535	14,816	95.4	14,219	597	4.0	720	54	46	243	376
35 to 39 years	8,271	7,918	95.7	7,601	318	4.0	353	27	30	101	195
40 to 44 years	7,265	6,898	94.9	6,619	279	4.0	367	27	16	142	181
45 to 54 years	10,577	9,709	91.8	9,319	389	4.0	868	51	16	287	514
45 to 49 years	5,791	5,406	93.3	5,161	245	4.5	385	28	13	124	220
50 to 54 years	4,785	4,303	89.9	4,158	144	3.4	483	23	3	163	294
55 to 64 years	8,862	6,021	67.9	5,765	255	4.2	2,841	54	-	374	2,414
55 to 59 years	4,422	3,561	80.5	3,390	171	4.8	862	24	-	189	648
60 to 64 years	4,439	2,460	55.4	2,375	85	3.4	1,979	30	-	184	1,766
65 years and over	11,045	1,844	16.7	1,789	55	3.0	9,202	177	1	370	8,654
65 to 69 years	4,096	1,095	26.7	1,061	34	3.1	3,001	53	-	145	2,804
70 to 74 years	3,086	467	15.1	450	17	3.6	2,619	39	1	63	2,515
75 years and over	3,863	282	7.3	278	4	1.3	3,581	85	-	161	3,334
Women											
16 years and over	83,124	47,300	56.9	45,057	2,243	4.7	35,824	23,021	3,286	1,140	8,378
16 to 19 years	5,599	2,921	52.2	2,553	368	12.6	2,677	344	2,127	8	198
16 to 17 years	2,614	1,105	42.3	950	155	14.1	1,509	83	1,363	2	61
18 to 19 years	2,985	1,816	60.8	1,604	213	11.7	1,169	261	765	5	138
20 to 24 years	7,517	5,387	71.7	5,000	387	7.2	2,130	1,171	663	34	263
25 to 54 years	44,818	33,296	74.3	31,989	1,307	3.9	11,522	9,637	471	311	1,104
25 to 34 years	18,007	13,418	74.5	12,821	597	4.4	4,589	3,879	264	67	379
25 to 29 years	8,828	6,639	75.2	6,330	309	4.7	2,190	1,825	152	36	174
30 to 34 years	9,178	6,779	73.9	6,491	288	4.2	2,399	2,054	112	29	205
35 to 44 years	15,812	12,101	76.5	11,680	421	3.5	3,710	3,095	169	118	329
35 to 39 years	8,358	6,295	75.3	6,089	206	3.3	2,063	1,736	98	67	161
40 to 44 years	7,454	5,806	77.9	5,591	215	3.7	1,648	1,358	71	51	168
45 to 54 years	11,000	7,777	70.7	7,488	289	3.7	3,223	2,663	38	126	395
45 to 49 years	5,990	4,494	75.0	4,323	171	3.8	1,495	1,257	27	51	160
50 to 54 years	5,010	3,283	65.5	3,165	118	3.6	1,727	1,406	11	75	235
55 to 64 years	9,772	4,423	45.3	4,290	134	3.0	5,348	3,890	4	219	1,236
55 to 59 years	4,779	2,621	54.8	2,541	80	3.1	2,158	1,686	-	113	361
60 to 64 years	4,993	1,802	36.1	1,749	54	3.0	3,190	2,203	5	106	875
65 years and over	15,419	1,273	8.3	1,226	47	3.7	14,146	7,979	21	569	5,577
65 to 69 years	4,863	778	16.0	752	27	3.4	4,084	2,519	7	102	1,456
70 to 74 years	3,993	333	8.4	321	13	3.9	3,659	2,120	3	107	1,429
75 years and over	6,563	161	2.4	153	7	4.5	6,403	3,339	11	360	2,693

**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 1990										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	21,163	13,351	63.1	11,821	1,530	11.5	7,811	2,747	1,570	802	2,693
16 to 19 years	2,170	788	36.3	577	210	26.7	1,383	91	1,160	4	127
16 to 17 years	1,069	262	24.5	199	63	24.0	808	17	754	-	37
18 to 19 years	1,101	526	47.8	379	147	28.0	575	75	406	5	90
20 to 24 years	2,442	1,674	68.5	1,353	321	19.2	768	328	240	39	162
25 to 54 years	11,936	9,558	80.8	8,624	934	9.8	2,378	1,277	165	327	610
25 to 34 years	5,327	4,303	80.8	3,766	538	12.5	1,024	597	109	75	243
25 to 29 years	2,672	2,130	79.7	1,856	274	12.9	542	311	64	37	131
30 to 34 years	2,656	2,174	81.9	1,910	264	12.1	482	286	46	38	113
35 to 44 years	3,988	3,273	82.1	2,990	283	8.6	715	351	46	117	202
35 to 39 years	2,238	1,844	82.4	1,676	168	9.1	394	170	34	51	140
40 to 44 years	1,750	1,429	81.7	1,314	115	8.0	321	181	12	66	62
45 to 54 years	2,621	1,982	75.6	1,868	114	5.7	639	329	9	135	165
45 to 49 years	1,393	1,104	79.2	1,047	57	5.2	289	155	4	53	77
50 to 54 years	1,228	878	71.5	821	57	6.5	350	174	5	82	88
55 to 64 years	2,132	1,074	50.4	1,024	51	4.7	1,058	399	2	195	462
55 to 59 years	1,106	665	60.2	629	37	5.5	440	189	1	85	166
60 to 64 years	1,026	409	39.8	395	14	3.4	617	210	1	110	296
65 years and over	2,482	257	10.4	244	14	5.2	2,225	653	2	237	1,333
65 to 69 years	930	152	16.4	147	5	3.5	778	246	2	75	455
70 to 74 years	649	70	10.7	64	6	(¹)	580	178	-	38	364
75 years and over	903	36	3.9	33	2	(¹)	867	229	1	124	513
Men											
16 years and over	9,503	6,566	69.1	5,714	852	13.0	2,937	111	762	438	1,626
16 to 19 years	1,077	414	38.5	289	126	30.3	663	2	587	2	72
16 to 17 years	540	138	25.6	100	39	27.9	401	-	381	-	21
18 to 19 years	537	276	51.3	189	87	31.5	262	2	206	2	51
20 to 24 years	1,106	834	75.4	655	179	21.4	273	12	131	31	98
25 to 54 years	5,354	4,646	86.8	4,135	511	11.0	708	75	42	201	390
25 to 34 years	2,414	2,158	89.4	1,874	284	13.2	255	41	38	49	126
25 to 29 years	1,210	1,069	88.3	933	136	12.7	141	22	21	26	73
30 to 34 years	1,203	1,089	90.5	941	148	13.6	114	20	18	23	54
35 to 44 years	1,779	1,541	86.6	1,384	157	10.2	239	22	3	76	138
35 to 39 years	999	868	86.9	775	93	10.7	131	9	2	30	91
40 to 44 years	780	672	86.2	608	64	9.5	108	13	1	46	47
45 to 54 years	1,161	947	81.6	877	70	7.4	214	11	-	76	126
45 to 49 years	617	533	86.3	494	39	7.3	84	2	-	27	55
50 to 54 years	544	415	76.2	384	31	7.5	130	9	-	49	71
55 to 64 years	963	542	56.2	510	32	5.8	421	9	-	111	302
55 to 59 years	501	336	67.2	314	23	6.8	164	2	-	49	114
60 to 64 years	462	205	44.4	196	9	4.2	257	7	-	62	189
65 years and over	1,002	131	13.0	125	6	4.2	871	14	2	93	763
65 to 69 years	396	76	19.1	75	1	1.6	321	9	-	33	279
70 to 74 years	281	35	12.5	33	2	(¹)	246	2	-	16	228
75 years and over	324	20	6.1	17	2	(¹)	304	3	2	44	256
Women											
16 years and over	11,660	6,785	58.2	6,107	678	10.0	4,875	2,636	808	364	1,067
16 to 19 years	1,093	373	34.1	289	85	22.7	720	89	574	2	55
16 to 17 years	530	123	23.3	99	24	19.7	406	17	374	-	16
18 to 19 years	564	250	44.4	190	61	24.2	314	72	200	2	39
20 to 24 years	1,336	840	62.9	697	143	17.0	496	315	109	8	63
25 to 54 years	6,582	4,912	74.6	4,489	423	8.6	1,670	1,202	123	125	219
25 to 34 years	2,914	2,145	73.6	1,892	253	11.8	769	555	71	25	117
25 to 29 years	1,461	1,061	72.6	923	138	13.0	401	289	43	11	58
30 to 34 years	1,452	1,084	74.7	969	115	10.6	368	266	28	14	59
35 to 44 years	2,209	1,732	78.4	1,606	126	7.3	477	329	44	40	64
35 to 39 years	1,239	975	78.7	900	75	7.7	263	161	32	21	49
40 to 44 years	970	757	78.0	706	51	6.7	213	167	11	20	15
45 to 54 years	1,459	1,035	70.9	991	44	4.2	425	318	9	59	39
45 to 49 years	776	571	73.6	553	18	3.2	205	153	3	26	22
50 to 54 years	684	464	67.8	438	26	5.6	220	165	5	33	17
55 to 64 years	1,169	533	45.6	514	19	3.6	636	390	2	85	159
55 to 59 years	605	329	54.4	315	14	4.2	276	187	1	37	52
60 to 64 years	564	204	36.2	199	5	2.5	360	203	1	48	107
65 years and over	1,480	127	8.6	119	8	6.3	1,353	639	-	144	570
65 to 69 years	534	76	14.3	72	4	5.4	457	238	2	42	176
70 to 74 years	368	35	9.4	31	4	(¹)	334	176	-	21	136
75 years and over	578	16	2.7	16	-	(¹)	563	225	-	81	257

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	January 1990								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	27,355	17,387	63.6	15,617	208	15,410	1,769	10.2	9,968
16 to 19 years	2,731	1,000	36.6	757	1	757	243	24.3	1,730
16 to 17 years	1,340	333	24.9	260	-	260	74	22.1	1,007
18 to 19 years	1,390	667	48.0	498	1	497	169	25.4	724
20 to 24 years	3,088	2,098	68.0	1,733	18	1,715	366	17.4	990
25 to 54 years	15,796	12,582	79.7	11,508	139	11,369	1,074	8.5	3,214
25 to 34 years	6,963	5,549	79.7	4,949	58	4,890	601	10.8	1,414
25 to 29 years	3,444	2,696	78.3	2,399	27	2,373	297	11.0	747
30 to 34 years	3,519	2,853	81.1	2,549	32	2,518	303	10.6	666
35 to 44 years	5,313	4,336	81.6	4,008	39	3,969	328	7.6	977
35 to 39 years	2,962	2,412	81.4	2,217	19	2,198	194	8.1	550
40 to 44 years	2,351	1,924	81.8	1,791	20	1,771	133	6.9	427
45 to 54 years	3,520	2,697	76.6	2,551	42	2,509	146	5.4	823
45 to 49 years	1,891	1,506	79.7	1,430	26	1,404	76	5.1	385
50 to 54 years	1,629	1,191	73.1	1,121	16	1,105	70	5.9	438
55 to 64 years	2,658	1,387	52.2	1,318	34	1,284	70	5.0	1,271
55 to 59 years	1,415	873	61.7	823	15	809	49	5.7	542
60 to 64 years	1,244	515	41.4	495	20	475	20	3.9	729
65 years and over	3,082	319	10.3	301	16	285	18	5.5	2,763
65 to 69 years	1,153	195	16.9	186	7	179	9	4.9	958
70 to 74 years	813	86	10.6	81	6	75	6	6.7	726
75 years and over	1,116	37	3.3	35	3	32	2	(¹)	1,079
Men									
16 years and over	12,436	8,715	70.1	7,717	185	7,532	998	11.5	3,720
16 to 19 years	1,376	525	38.2	378	1	377	147	28.1	851
16 to 17 years	678	174	25.7	126	1	126	48	27.5	503
18 to 19 years	699	351	50.2	252	-	251	99	28.3	348
20 to 24 years	1,425	1,055	74.0	850	18	833	205	19.4	370
25 to 54 years	7,183	6,264	87.2	5,672	123	5,548	592	9.5	919
25 to 34 years	3,182	2,827	88.8	2,505	49	2,456	322	11.4	355
25 to 29 years	1,579	1,379	87.4	1,231	24	1,208	148	10.7	199
30 to 34 years	1,604	1,448	90.3	1,274	26	1,248	174	12.0	156
35 to 44 years	2,410	2,112	87.6	1,936	36	1,900	176	8.3	298
35 to 39 years	1,364	1,186	86.9	1,082	17	1,065	104	8.8	178
40 to 44 years	1,046	926	88.6	854	19	835	72	7.8	120
45 to 54 years	1,591	1,324	83.2	1,230	38	1,192	94	7.1	267
45 to 49 years	857	747	87.2	693	23	671	53	7.2	110
50 to 54 years	734	577	78.7	537	15	522	41	7.0	157
55 to 64 years	1,187	703	59.2	656	31	625	47	6.6	484
55 to 59 years	641	448	70.0	415	13	402	34	7.5	192
60 to 64 years	546	255	46.6	242	18	223	13	5.1	292
65 years and over	1,264	168	13.3	161	12	149	8	4.6	1,096
65 to 69 years	499	103	20.6	100	8	92	3	3.3	396
70 to 74 years	345	44	12.9	42	3	40	2	(¹)	301
75 years and over	420	21	5.0	19	2	17	2	(¹)	399
Women									
16 years and over	14,919	8,672	58.1	7,901	22	7,878	771	8.9	6,248
16 to 19 years	1,354	475	35.1	379	-	380	95	20.1	879
16 to 17 years	663	159	24.0	133	-	134	26	16.2	504
18 to 19 years	692	316	45.6	246	-	246	70	22.1	376
20 to 24 years	1,663	1,043	62.7	882	-	882	161	15.4	620
25 to 54 years	8,613	6,319	73.4	5,837	16	5,821	482	7.6	2,294
25 to 34 years	3,781	2,722	72.0	2,443	9	2,435	279	10.2	1,059
25 to 29 years	1,865	1,317	70.6	1,168	3	1,165	149	11.3	548
30 to 34 years	1,916	1,405	73.3	1,275	6	1,270	130	9.2	511
35 to 44 years	2,903	2,224	76.6	2,072	3	2,069	152	6.8	679
35 to 39 years	1,597	1,226	76.7	1,135	2	1,133	90	7.4	372
40 to 44 years	1,305	998	76.4	937	1	936	61	6.1	307
45 to 54 years	1,929	1,373	71.2	1,321	4	1,317	52	3.8	556
45 to 49 years	1,034	759	73.4	737	3	734	23	3.0	275
50 to 54 years	895	614	68.5	584	1	583	29	4.8	282
55 to 64 years	1,471	685	46.5	662	3	659	23	3.3	787
55 to 59 years	774	424	54.8	409	2	407	16	3.7	350
60 to 64 years	697	260	37.3	253	1	252	7	2.8	437
65 years and over	1,818	151	8.3	141	4	137	10	6.6	1,667
65 to 69 years	654	92	14.1	86	-	87	6	6.6	562
70 to 74 years	468	42	9.0	38	3	35	4	(¹)	426
75 years and over	696	16	2.3	16	1	15	-	(¹)	680

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
TOTAL								
Civilian noninstitutional population	185,644	187,293	81,162	82,168	90,072	91,091	14,410	14,034
Civilian labor force	122,095	123,293	62,926	63,654	51,850	52,575	7,319	7,063
Percent of population	65.8	65.8	77.5	77.5	57.6	57.7	50.8	50.3
Employed	114,786	116,037	59,442	60,042	49,287	50,025	6,057	5,970
Agriculture	2,831	2,720	2,054	2,040	606	513	171	167
Nonagricultural industries	111,955	113,317	57,387	58,002	48,681	49,512	5,886	5,803
Unemployed	7,309	7,256	3,485	3,612	2,563	2,550	1,261	1,093
Unemployment rate	6.0	5.9	5.5	5.7	4.9	4.9	17.2	15.5
Not in labor force	63,549	64,000	18,236	18,514	38,222	38,515	7,091	6,971
White								
Civilian noninstitutional population	158,865	159,938	70,332	71,109	76,851	77,526	11,683	11,303
Civilian labor force	105,020	105,906	54,854	55,464	43,803	44,379	6,363	6,063
Percent of population	66.1	66.2	78.0	78.0	57.0	57.2	54.5	53.6
Employed	99,506	100,419	52,159	52,703	41,948	42,504	5,399	5,213
Agriculture	2,636	2,512	1,892	1,855	573	491	170	166
Nonagricultural industries	96,871	97,907	50,267	50,848	41,375	42,013	5,229	5,046
Unemployed	5,514	5,486	2,695	2,761	1,854	1,875	964	850
Unemployment rate	5.3	5.2	4.9	5.0	4.2	4.2	15.2	14.0
Not in labor force	53,845	54,032	15,477	15,644	33,048	33,147	5,320	5,240
Black								
Civilian noninstitutional population	20,877	21,163	8,300	8,426	10,402	10,567	2,175	2,170
Civilian labor force	13,275	13,351	6,163	6,152	6,357	6,411	755	788
Percent of population	63.6	63.1	74.3	73.0	61.1	60.7	34.7	36.3
Employed	11,705	11,821	5,504	5,425	5,712	5,819	490	577
Agriculture	156	138	131	134	24	5	1	-
Nonagricultural industries	11,549	11,683	5,372	5,291	5,688	5,814	489	578
Unemployed	1,570	1,530	659	727	645	593	265	210
Unemployment rate	11.8	11.5	10.7	11.8	10.1	9.2	35.1	26.7
Not in labor force	7,602	7,811	2,137	2,274	4,045	4,155	1,420	1,383

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 1990									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
Total	Full time ¹			Part time ¹	Total	Looking for full-time work	Looking for part-time work			
TOTAL ENROLLED										
Total, 16 to 24 years	15,257	7,189	47.1	6,406	1,380	5,026	784	130	653	10.9
16 to 19 years	10,495	4,425	42.2	3,867	436	3,430	559	54	505	12.6
20 to 24 years	4,762	2,764	58.0	2,539	944	1,595	225	77	148	8.1
High school	7,890	3,068	38.9	2,603	165	2,439	464	47	417	15.1
College	7,367	4,122	55.9	3,802	1,215	2,587	319	84	236	7.7
Full-time students	6,407	3,226	50.4	2,947	646	2,301	279	61	218	8.7
Part-time students	960	895	93.3	855	570	286	40	23	17	4.5
Men, 16 to 24 years	7,729	3,537	45.8	3,108	716	2,392	429	69	360	12.1
16 to 19 years	5,368	2,226	41.5	1,914	239	1,675	313	27	285	14.1
20 to 24 years	2,361	1,311	55.5	1,195	477	717	116	42	74	8.9
High school	4,177	1,617	38.7	1,358	103	1,256	258	24	235	16.0
College	3,553	1,921	54.1	1,750	613	1,137	171	46	125	8.9
Full-time students	3,130	1,518	48.5	1,369	349	1,019	149	34	115	9.8
Part-time students	422	403	95.4	381	264	117	22	11	10	5.3
Women, 16 to 24 years	7,528	3,652	48.5	3,298	664	2,633	355	61	293	9.7
16 to 19 years	5,126	2,199	42.9	1,953	197	1,756	246	26	220	11.2
20 to 24 years	2,401	1,453	60.5	1,345	467	878	109	35	74	7.5
High school	3,713	1,451	39.1	1,245	62	1,183	206	23	183	14.2
College	3,815	2,201	57.7	2,052	602	1,450	149	38	111	6.8
Full-time students	3,277	1,709	52.1	1,578	296	1,282	130	26	104	7.6
Part-time students	538	492	91.6	474	306	168	18	11	7	3.7
White										
Total, 16 to 24 years	12,440	6,257	50.3	5,617	1,218	4,399	640	102	536	10.2
16 to 19 years	8,419	3,837	45.6	3,387	390	2,997	450	39	411	11.7
20 to 24 years	4,021	2,420	60.2	2,230	828	1,401	191	63	127	7.9
Men	6,324	3,114	49.2	2,763	644	2,119	351	56	296	11.3
Women	6,116	3,143	51.4	2,854	574	2,280	289	46	243	9.2
High school	6,192	2,641	42.6	2,272	143	2,129	369	34	335	14.0
College	6,247	3,616	57.9	3,345	1,075	2,270	271	68	203	7.5
Full-time students	5,420	2,841	52.4	2,602	574	2,029	239	51	188	8.4
Part-time students	827	775	93.7	743	502	241	32	17	16	4.2
Black										
Total, 16 to 24 years	2,117	678	32.0	556	119	437	122	22	100	18.0
16 to 19 years	1,634	454	27.8	359	31	328	95	13	82	20.9
20 to 24 years	483	224	46.4	197	88	109	27	9	18	12.0
Men	1,019	292	28.7	230	49	182	62	9	53	21.1
Women	1,098	386	35.1	326	71	255	60	13	47	15.6
High school	1,369	333	24.3	251	15	237	82	10	72	24.6
College	749	345	46.1	305	105	200	40	13	27	11.6
Full-time students	652	256	39.3	222	53	169	34	7	27	13.3
Part-time students	97	88	91.3	83	51	31	6	6	-	6.6
Hispanic origin										
Total, 16 to 24 years	1,196	429	35.8	366	117	249	63	14	49	14.6
16 to 19 years	891	266	29.9	224	48	176	42	3	39	15.7
20 to 24 years	305	163	53.3	141	69	72	21	11	10	13.0
Men	597	208	34.7	179	64	115	28	7	21	13.7
Women	599	221	36.9	187	53	134	34	7	28	15.5
High school	776	206	26.5	171	37	134	35	6	29	16.8
College	420	223	53.1	195	80	114	28	8	20	12.6
Full-time students	338	150	44.3	123	40	83	27	7	20	17.9
Part-time students	82	73	89.2	72	41	31	1	1	-	(²)

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 1990									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL NOT ENROLLED										
Total, 16 to 24 years	16,593	13,424	80.9	11,803	10,163	1,640	1,622	1,472	150	12.1
16 to 19 years	3,539	2,638	74.5	2,104	1,601	502	534	462	72	20.3
20 to 24 years	13,054	10,786	82.8	9,699	8,562	1,137	1,087	1,010	78	10.1
Less than 4 years of high school	4,092	2,599	63.5	2,030	1,697	332	569	521	48	21.9
4 years of high school	8,404	7,057	84.0	6,250	5,321	929	807	729	77	11.4
1 to 3 years of college	2,652	2,384	89.9	2,207	1,945	262	177	154	23	7.4
4 years of college or more	1,445	1,384	95.8	1,315	1,199	116	69	67	2	5.0
Men, 16 to 24 years	7,988	7,251	90.8	6,285	5,708	577	965	912	54	13.3
16 to 19 years	1,713	1,441	84.1	1,124	944	179	317	292	25	22.0
20 to 24 years	6,275	5,810	92.6	5,162	4,763	398	648	620	29	11.2
Less than 4 years of high school	2,141	1,757	82.0	1,360	1,218	142	397	377	20	22.6
4 years of high school	4,064	3,775	92.9	3,333	3,032	301	442	421	21	11.7
1 to 3 years of college	1,181	1,131	95.8	1,045	947	98	87	75	12	7.7
4 years of college or more	602	587	97.5	548	512	36	40	39	1	6.7
Women, 16 to 24 years	8,605	6,174	71.7	5,517	4,455	1,063	656	560	96	10.6
16 to 19 years	1,827	1,197	65.6	980	657	323	217	170	47	18.2
20 to 24 years	6,778	4,976	73.4	4,538	3,798	739	439	390	49	8.8
Less than 4 years of high school	1,950	842	43.2	670	480	190	173	145	28	20.5
4 years of high school	4,340	3,282	75.8	2,917	2,289	628	365	308	56	11.1
1 to 3 years of college	1,472	1,252	85.1	1,163	998	164	90	79	11	7.2
4 years of college or more	843	797	94.6	768	688	80	29	28	1	3.7
White										
Total, 16 to 24 years	13,592	11,258	82.8	10,102	8,741	1,361	1,157	1,061	96	10.3
16 to 19 years	2,884	2,226	77.2	1,826	1,410	416	401	353	47	18.0
20 to 24 years	10,707	9,032	84.4	8,276	7,331	945	756	707	49	8.4
Men	6,592	6,093	92.4	5,402	4,943	459	691	654	37	11.3
Women	7,000	5,165	73.8	4,700	3,798	901	466	407	59	9.0
Less than 4 years of high school	3,250	2,167	66.7	1,756	1,491	266	411	373	38	19.0
4 years of high school	6,860	5,878	85.7	5,310	4,537	773	568	526	41	9.7
1 to 3 years of college	2,172	1,953	89.9	1,837	1,619	218	116	100	16	5.9
4 years of college or more	1,310	1,261	96.3	1,199	1,094	104	62	61	1	4.9
Black										
Total, 16 to 24 years	2,495	1,784	71.5	1,374	1,151	223	410	363	47	23.0
16 to 19 years	536	334	62.2	218	150	68	115	94	22	34.6
20 to 24 years	1,959	1,450	74.0	1,155	1,001	155	295	269	26	20.3
Men	1,165	956	82.1	713	612	102	243	228	15	25.4
Women	1,331	827	62.2	660	539	121	167	135	33	20.2
Less than 4 years of high school	698	346	49.6	212	160	52	134	126	8	38.6
4 years of high school	1,343	1,019	75.9	798	674	123	221	187	35	21.7
1 to 3 years of college	378	346	91.6	295	258	37	52	47	5	14.9
4 years of college or more	76	72	94.3	69	59	10	3	3	-	(?)
Hispanic origin										
Total, 16 to 24 years	2,158	1,599	74.1	1,424	1,247	177	175	169	6	10.9
16 to 19 years	520	347	66.7	290	232	57	57	56	1	16.5
20 to 24 years	1,638	1,252	76.4	1,134	1,014	120	118	113	5	9.4
Men	1,099	999	90.9	913	851	63	86	85	1	8.6
Women	1,058	599	56.6	510	396	114	89	84	5	14.8
Less than 4 years of high school	1,060	714	67.3	619	558	61	95	93	1	13.3
4 years of high school	843	669	79.4	614	517	96	56	54	2	8.3
1 to 3 years of college	211	180	85.3	164	149	14	17	14	2	9.2
4 years of college or more	44	36	(?)	28	22	6	8	8	-	(?)

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

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

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

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

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Jan. 1989	Jan. 1990	Total		Employed		Unemployed			
			Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Number		Percent of labor force	
							Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
VIETNAM-ERA VETERANS										
Total, 35 years and over	7,334	7,556	6,725	6,876	6,456	6,559	269	317	4.0	4.6
35 to 49 years	6,408	6,508	6,100	6,176	5,843	5,895	257	281	4.2	4.6
35 to 39 years	1,937	1,557	1,868	1,486	1,781	1,403	87	83	4.7	5.6
40 to 44 years	3,182	3,318	3,006	3,160	2,894	3,030	112	131	3.7	4.1
45 to 49 years	1,289	1,633	1,225	1,529	1,167	1,461	58	68	4.7	4.4
50 years and over	926	1,048	625	701	614	665	12	36	1.9	5.1
NONVETERANS										
Total, 35 to 49 years	15,784	16,860	14,733	15,776	14,013	15,047	719	728	4.9	4.6
35 to 39 years	7,177	7,722	6,761	7,288	6,418	6,965	343	323	5.1	4.4
40 to 44 years	4,592	4,982	4,293	4,654	4,107	4,433	186	222	4.3	4.8
45 to 49 years	4,016	4,156	3,679	3,834	3,489	3,650	190	184	5.2	4.8

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Sex, age, and race	January 1990							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	96,265	94,239	2,026	19,772	16,755	3,017	5,841	1,415
16 to 19 years	2,037	1,925	112	3,933	3,620	312	516	577
16 to 17 years	229	213	15	1,924	1,876	48	59	331
18 to 19 years	1,809	1,712	96	2,008	1,744	264	457	246
20 years and over	94,228	92,314	1,914	15,839	13,135	2,704	5,325	838
20 to 24 years	9,506	9,219	287	2,733	2,173	560	1,086	226
25 years and over	84,722	83,094	1,628	13,106	10,962	2,145	4,239	612
25 to 54 years	73,718	72,357	1,361	9,421	7,685	1,736	3,805	468
55 years and over	11,004	10,737	267	3,685	3,277	409	434	144
Men, 16 years and over	56,758	55,531	1,227	6,321	5,152	1,169	3,658	585
16 to 19 years	1,183	1,118	66	1,854	1,725	129	319	311
20 years and over	55,575	54,413	1,162	4,467	3,427	1,040	3,338	274
20 to 24 years	5,241	5,070	170	1,116	885	231	662	103
25 years and over	50,334	49,343	992	3,351	2,542	809	2,677	171
25 to 54 years	43,487	42,655	832	1,827	1,179	648	2,369	115
55 years and over	6,848	6,688	160	1,524	1,363	161	308	57
Women, 16 years and over	39,507	38,708	799	13,451	11,603	1,848	2,184	830
16 to 19 years	854	808	46	2,079	1,895	184	197	267
20 years and over	38,653	37,900	753	11,372	9,708	1,664	1,987	563
20 to 24 years	4,265	4,149	117	1,617	1,288	329	425	123
25 years and over	34,388	33,752	636	9,755	8,420	1,336	1,562	441
25 to 54 years	30,231	29,702	529	7,594	6,506	1,088	1,436	353
55 years and over	4,156	4,049	107	2,161	1,914	248	126	87
White								
Men, 16 years and over	49,898	48,829	1,069	5,464	4,523	941	2,779	464
16 to 19 years	1,040	979	61	1,619	1,506	113	237	246
20 years and over	48,858	47,850	1,008	3,845	3,017	828	2,542	219
20 to 24 years	4,547	4,392	155	959	783	176	473	87
25 years and over	44,311	43,457	854	2,886	2,235	651	2,070	132
25 to 54 years	38,154	37,447	707	1,488	966	522	1,812	80
55 years and over	6,157	6,011	146	1,398	1,269	129	258	52
Women, 16 years and over	33,108	32,455	653	11,949	10,416	1,533	1,567	676
16 to 19 years	759	715	44	1,794	1,643	151	155	213
20 years and over	32,349	31,740	609	10,155	8,774	1,382	1,412	463
20 to 24 years	3,613	3,520	92	1,387	1,107	281	298	89
25 years and over	28,736	28,220	516	8,768	7,667	1,101	1,114	374
25 to 54 years	25,138	24,707	431	6,851	5,956	894	1,013	295
55 years and over	3,598	3,513	85	1,917	1,710	207	101	79
Black								
Men, 16 years and over	5,090	4,956	135	624	444	180	750	102
16 to 19 years	109	105	5	179	170	9	72	53
20 years and over	4,981	4,851	130	444	274	171	678	49
20 to 24 years	551	540	11	104	59	46	165	14
25 years and over	4,430	4,311	119	340	215	125	513	35
25 to 54 years	3,897	3,792	105	238	139	99	482	29
55 years and over	533	520	14	102	76	26	32	5
Women, 16 years and over	4,994	4,882	113	1,113	848	264	539	139
16 to 19 years	72	72	-	217	190	27	35	50
20 years and over	4,923	4,810	112	896	658	238	504	89
20 to 24 years	538	517	21	159	119	40	113	30
25 years and over	4,384	4,293	91	737	539	198	391	59
25 to 54 years	3,958	3,885	72	531	369	162	372	51
55 years and over	427	408	19	206	170	36	19	8

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

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

(Numbers in thousands)

Family relationship	January 1990									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over ¹	98,845	66.2	93,040	5,805	5.9	50,482	22,018	7,954	2,483	18,027
Husbands	40,113	77.9	38,513	1,599	4.0	11,407	189	189	1,002	10,028
With employed wife	26,393	91.6	25,439	954	3.6	2,411	81	104	361	1,865
With unemployed wife	1,050	91.0	927	124	11.8	104	7	5	16	76
With wife not in labor force	12,669	58.8	12,147	521	4.1	8,893	101	80	625	8,087
Wives	29,958	58.1	28,804	1,154	3.9	21,562	17,205	312	399	3,646
With employed husband	26,366	68.5	25,439	927	3.5	12,147	10,740	260	140	1,007
With unemployed husband	1,078	67.4	954	124	11.5	521	448	15	9	49
With husband not in labor force	2,514	22.0	2,411	104	4.1	8,893	6,016	37	250	2,590
Relatives in married-couple families	12,485	61.5	11,151	1,334	10.7	7,831	726	5,263	328	1,515
16 to 19 years	4,420	49.6	3,847	572	12.9	4,485	90	4,058	12	325
20 to 24 years	4,480	73.8	4,066	414	9.2	1,587	160	1,081	50	296
25 years and over	3,586	67.1	3,238	348	9.7	1,759	476	124	266	894
Women who maintain families	6,784	62.0	6,259	524	7.7	4,152	2,780	198	238	936
Relatives in families maintained by women	5,582	59.3	4,767	815	14.6	3,826	743	1,629	369	1,084
16 to 19 years	1,359	46.2	1,063	296	21.8	1,582	92	1,321	5	164
20 to 24 years	1,508	71.4	1,274	234	15.5	603	134	225	42	201
25 years and over	2,715	62.3	2,430	285	10.5	1,641	517	83	322	719
Men who maintain families	2,164	77.1	2,022	142	6.5	644	52	16	82	494
Relatives in families maintained by men	1,760	62.4	1,523	237	13.5	1,060	323	347	65	325
16 to 19 years	293	51.1	221	72	24.6	280	22	230	2	26
20 to 24 years	491	78.6	435	56	11.3	133	19	76	2	36
25 years and over	976	60.1	867	109	11.2	647	282	41	61	263

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
Total, 16 years and over	4,252	4,242	6.4	6.3	3,057	3,014	5.5	5.4
Married, spouse present	1,578	1,749	3.8	4.1	1,204	1,249	3.9	4.0
Widowed, divorced, or separated	537	541	8.0	7.8	685	624	6.2	5.6
Single (never married)	2,137	1,952	11.9	10.8	1,168	1,140	8.4	8.2
White, 16 years and over	3,295	3,244	5.7	5.5	2,218	2,243	4.7	4.7
Married, spouse present	1,318	1,429	3.5	3.8	999	1,032	3.7	3.8
Widowed, divorced, or separated	398	407	7.1	7.1	481	445	5.5	5.0
Single (never married)	1,580	1,408	10.6	9.4	739	766	6.6	6.9
Black, 16 years and over	809	852	12.3	13.0	761	678	11.3	10.0
Married, spouse present	203	251	6.4	7.9	181	165	7.4	6.7
Widowed, divorced, or separated	119	116	12.4	12.3	185	166	9.5	8.5
Single (never married)	487	486	20.0	19.7	395	346	17.0	14.7
Total, 25 years and over	2,663	2,848	4.8	5.0	1,941	2,003	4.3	4.3
Married, spouse present	1,448	1,589	3.6	3.9	1,006	1,083	3.5	3.7
Widowed, divorced, or separated	519	523	8.0	7.9	611	574	5.8	5.3
Single (never married)	696	736	8.0	8.1	325	346	5.2	5.3
White, 25 years and over	2,051	2,202	4.2	4.5	1,406	1,488	3.7	3.8
Married, spouse present	1,207	1,298	3.3	3.6	825	896	3.3	3.5
Widowed, divorced, or separated	381	392	7.0	7.1	433	402	5.2	4.7
Single (never married)	463	512	6.6	6.9	148	190	3.1	3.8
Black, 25 years and over	513	548	9.8	10.3	489	450	8.9	8.1
Married, spouse present	183	226	6.0	7.5	159	143	7.0	6.2
Widowed, divorced, or separated	118	113	12.7	12.2	160	161	8.5	8.4
Single (never married)	211	209	16.5	15.4	171	147	12.7	10.8

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
Total, 16 years and over	7,309	7,256	6.0	5.9	6.4	6.3	5.5	5.4
Managerial and professional specialty	625	609	2.1	1.9	2.0	1.8	2.2	2.1
Executive, administrative, and managerial	403	320	2.7	2.1	2.6	1.7	2.9	2.7
Professional specialty	222	289	1.4	1.8	1.2	2.0	1.6	1.6
Technical, sales, and administrative support	1,608	1,696	4.3	4.4	4.4	4.3	4.3	4.5
Technicians and related support	105	123	2.8	3.2	2.6	3.7	3.1	2.8
Sales occupations	775	773	5.4	5.1	4.1	4.1	6.6	6.2
Administrative support, including clerical	729	800	3.8	4.1	5.7	5.1	3.4	3.9
Service occupations	1,167	1,058	7.0	6.5	7.0	7.5	7.0	5.8
Private household	49	53	5.1	6.4	(¹)	(¹)	5.0	6.0
Protective service	94	76	4.6	3.8	4.1	3.5	7.0	5.7
Service, except private household and protective	1,024	929	7.5	6.9	8.1	8.9	7.2	5.8
Precision production, craft, and repair	977	939	6.7	6.5	6.7	6.4	6.4	7.6
Mechanics and repairers	188	153	3.9	3.4	3.8	3.3	7.4	5.7
Construction trades	593	542	11.0	9.8	10.9	9.6	17.0	16.0
Other precision production, craft, and repair	196	244	4.4	5.7	4.2	5.3	5.2	6.9
Operators, fabricators, and laborers	1,944	2,069	10.0	10.8	9.7	10.5	10.6	11.6
Machine operators, assemblers, and inspectors	798	893	8.9	10.3	7.4	9.0	10.9	12.2
Transportation and material moving occupations	412	480	8.1	9.4	8.3	9.5	6.2	8.7
Handlers, equipment cleaners, helpers, and laborers	734	695	13.5	12.8	13.9	13.2	11.4	10.9
Construction laborers	204	220	24.5	24.4	24.8	24.2	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	530	475	11.5	10.5	11.6	10.6	11.4	10.2
Farming, forestry, and fishing	287	244	9.2	8.0	8.8	8.0	11.1	8.1
No previous work experience	675	615	-	-	-	-	-	-
16 to 19 years	431	380	-	-	-	-	-	-
20 to 24 years	132	123	-	-	-	-	-	-
25 years and over	111	111	-	-	-	-	-	-

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
Total, 16 years and over	7,309	7,256	6.0	5.9	6.4	6.3	5.5	5.4
Nonagricultural private wage and salary workers	5,750	5,835	6.3	6.3	6.7	6.8	5.8	5.7
Mining	49	58	7.2	7.9	7.7	8.6	4.2	4.2
Construction	874	833	14.2	13.0	14.9	13.3	6.9	10.1
Manufacturing	1,340	1,521	6.0	6.8	5.2	6.3	7.6	8.0
Durable goods	751	918	5.7	6.9	5.5	6.9	6.2	7.0
Lumber and wood products	67	59	7.8	7.6	8.9	8.3	2.7	2.9
Furniture and fixtures	47	48	6.9	7.2	5.5	6.8	9.9	8.1
Stone, clay, and glass products	52	44	8.2	6.6	8.6	5.5	6.6	10.9
Primary metal industries	40	40	4.5	4.6	4.7	4.8	3.8	3.2
Fabricated metal products	107	100	7.3	7.4	6.4	6.1	10.3	12.0
Machinery, except electrical	119	148	4.5	5.6	4.3	5.9	5.2	4.8
Electrical machinery, equipment, and supplies	130	102	5.8	4.7	6.4	4.0	5.0	5.6
Transportation equipment	125	305	5.0	11.4	5.1	11.9	4.8	9.6
Automobiles	80	249	6.5	21.1	6.7	21.5	5.6	19.5
Other transportation equipment	44	56	3.6	3.7	3.5	4.3	4.0	1.8
Professional and photographic equipment	32	29	4.6	3.8	2.9	1.7	6.7	6.8
Other durable goods industries	31	43	5.8	6.8	2.3	6.9	10.8	6.3
Nondurable goods	589	603	6.4	6.7	4.7	5.2	8.8	8.9
Food and kindred products	157	155	7.9	8.1	5.1	6.6	13.7	11.0
Textile mill products	38	66	5.3	9.3	2.6	8.1	8.5	10.6
Apparel and other textile products	126	126	10.0	11.0	7.1	8.9	10.7	11.6
Paper and allied products	25	23	3.5	3.1	2.4	2.1	6.8	6.4
Printing and publishing	100	87	5.3	4.5	5.3	4.2	5.3	5.0
Chemicals and allied products	46	46	3.4	3.4	3.0	1.6	4.2	6.9
Rubber and miscellaneous plastics products	49	72	6.0	9.2	4.9	9.2	7.9	9.2
Other nondurable goods industries	48	27	11.6	7.5	11.3	5.5	12.8	10.8
Transportation and public utilities	279	299	4.4	4.7	4.5	5.0	4.0	4.0
Transportation	223	244	5.8	6.3	6.2	6.6	4.9	5.4
Communications and other public utilities	56	55	2.2	2.2	1.7	2.1	3.0	2.5
Wholesale and retail trade	1,618	1,603	7.0	6.8	6.5	6.5	7.4	7.1
Wholesale trade	205	215	4.6	4.9	4.7	4.7	4.4	5.5
Retail trade	1,414	1,388	7.5	7.2	7.2	7.1	7.8	7.3
Finance, insurance, and real estate	271	240	3.8	3.3	4.0	4.2	3.6	2.8
Service industries	1,318	1,282	5.2	4.9	5.9	5.5	4.7	4.6
Professional services	415	476	2.9	3.2	3.1	3.0	2.8	3.3
Other service industries	903	806	8.0	7.2	8.0	7.4	8.0	7.0
Agricultural wage and salary workers	224	213	13.6	13.2	13.5	13.0	13.8	14.3
Government, self-employed, and unpaid family workers	661	594	2.3	2.1	2.5	2.2	2.1	1.9
No previous work experience	675	615	-	-	-	-	-	-

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. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
NUMBER OF UNEMPLOYED												
Total unemployed	7,309	7,256	3,485	3,812	2,563	2,550	1,261	1,093	5,514	5,486	1,570	1,530
Job losers	3,701	3,819	2,344	2,415	1,038	1,127	320	277	2,848	2,933	753	768
On layoff	1,210	1,543	789	1,017	319	458	102	68	1,011	1,281	181	222
Other job losers	2,491	2,276	1,555	1,398	719	670	218	209	1,837	1,652	572	547
Job leavers	1,067	1,113	445	468	465	448	158	197	862	844	164	229
Reentrants	1,866	1,772	590	663	922	837	353	271	1,351	1,330	456	382
New entrants	675	552	106	66	138	137	431	348	454	379	197	151
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.7	52.6	67.2	66.9	40.5	44.2	25.3	25.3	51.6	53.5	48.0	50.2
On layoff	16.6	21.3	22.6	28.2	12.5	17.9	8.0	6.3	18.3	23.4	11.5	14.5
Other job losers	34.1	31.4	44.6	38.7	28.0	26.3	17.3	19.1	33.3	30.1	36.4	35.7
Job leavers	14.6	15.3	12.8	13.0	18.1	17.6	12.5	18.0	15.6	15.4	10.4	15.0
Reentrants	25.5	24.4	16.9	18.4	36.0	32.8	28.0	24.8	24.5	24.2	29.0	24.9
New entrants	9.2	7.6	3.0	1.8	5.4	5.4	34.2	31.9	8.2	6.9	12.6	9.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	3.0	3.1	3.8	3.8	2.0	2.1	4.4	3.9	2.7	2.8	5.7	5.8
Job leavers .....	.9	.9	.7	.7	.9	.9	2.2	2.8	.8	.8	1.2	1.7
Reentrants	1.5	1.4	.9	1.0	1.8	1.6	4.8	3.8	1.3	1.3	3.4	2.9
New entrants .....	.6	.4	.2	.1	.3	.3	5.9	4.9	.4	.4	1.5	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 1990						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,256	100.0	47.5	31.6	20.9	11.5	9.4
Job losers	3,819	100.0	43.0	33.9	23.2	12.6	10.6
On layoff	1,543	100.0	58.0	32.0	10.0	6.1	3.9
Other job losers	2,276	100.0	32.8	35.1	32.1	17.0	15.1
Job leavers	1,113	100.0	50.8	30.8	18.4	9.8	8.6
Reentrants	1,772	100.0	54.4	27.8	17.8	10.2	7.6
New entrants	552	100.0	50.1	30.0	19.9	11.3	8.6
Men, 20 years and over	3,612	100.0	40.9	33.4	25.7	13.5	12.2
Job losers	2,415	100.0	39.4	35.1	25.4	13.3	12.1
On layoff	1,017	100.0	55.9	35.6	8.5	5.4	3.1
Other job losers	1,398	100.0	27.5	34.7	37.8	19.1	18.7
Job leavers	468	100.0	40.9	31.6	27.4	14.3	13.2
Reentrants	663	100.0	47.9	29.1	23.0	12.7	10.3
New entrants	66	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 20 years and over	2,550	100.0	52.4	29.3	18.3	10.7	7.6
Job losers	1,127	100.0	45.9	31.9	22.2	13.5	8.7
On layoff	458	100.0	60.5	25.0	14.5	8.3	6.2
Other job losers	670	100.0	36.0	36.6	27.4	17.1	10.4
Job leavers	448	100.0	55.2	30.9	13.9	7.3	6.6
Reentrants	837	100.0	59.6	25.1	15.4	8.1	7.3
New entrants	137	100.0	52.5	28.4	19.1	15.6	3.5
Both sexes, 16 to 19 years	1,093	100.0	57.9	31.2	10.9	6.5	4.4
Job losers	277	100.0	61.7	31.1	7.3	2.5	4.7
On layoff	68	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	209	100.0	58.1	33.1	8.8	2.6	6.2
Job leavers	197	100.0	64.3	28.4	7.2	4.8	2.5
Reentrants	271	100.0	54.3	33.2	12.5	10.7	1.8
New entrants	348	100.0	54.0	31.3	14.7	7.5	7.2

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

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
Total, 16 years and over	7,309	7,256	100.0	100.0	5,750	5,841	100.0	100.0
Less than 5 weeks	3,464	3,447	47.4	47.5	2,424	2,530	42.2	43.3
5 to 14 weeks	2,258	2,294	30.9	31.6	1,898	1,946	33.0	33.3
5 to 10 weeks	1,670	1,701	22.8	23.4	1,391	1,427	24.2	24.4
11 to 14 weeks	588	593	8.0	8.2	506	519	8.8	8.9
15 weeks and over	1,586	1,514	21.7	20.9	1,427	1,365	24.8	23.4
15 to 26 weeks	817	833	11.2	11.5	706	733	12.3	12.5
27 weeks and over	770	682	10.5	9.4	722	632	12.6	10.8
27 to 51 weeks	308	288	4.2	4.0	298	260	5.2	4.4
52 weeks and over	461	394	6.3	5.4	424	373	7.4	6.4
Average (mean) duration, in weeks	12.3	11.7	-	-	13.8	13.0	-	-
Median duration, in weeks	5.6	5.1	-	-	6.7	6.0	-	-

**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. 1989	Jan. 1990	Jan. 1989	Jan. 1990
	January 1990										
Total, 16 years and over	7,256	3,447	2,294	833	682	11.7	5.1	47.4	47.5	21.7	20.9
16 to 19 years	1,093	633	341	72	48	7.1	3.9	63.0	57.9	12.6	10.9
20 to 24 years	1,312	766	371	104	70	8.9	3.9	52.8	58.4	17.6	13.3
25 to 34 years	2,103	949	671	262	220	12.3	5.6	45.9	45.1	21.8	22.9
35 to 44 years	1,345	529	476	200	141	12.8	6.4	39.7	39.3	25.6	25.3
45 to 54 years	825	334	262	110	118	15.8	7.2	40.6	40.5	27.6	27.7
55 to 64 years	459	194	130	70	65	16.7	7.0	29.5	42.3	37.7	29.3
65 years and over	119	42	43	15	20	17.0	8.0	31.8	35.0	28.2	29.2
Men, 16 years and over	4,242	1,822	1,431	522	467	13.4	5.9	45.5	43.0	24.6	23.3
16 to 19 years	630	344	224	35	27	7.3	4.1	65.6	54.6	13.4	9.8
20 to 24 years	765	382	249	80	53	10.8	4.5	51.0	50.0	20.6	17.4
25 to 34 years	1,228	495	409	176	148	14.2	6.5	42.3	40.3	24.1	26.4
35 to 44 years	773	276	300	103	93	13.7	6.6	38.3	35.7	26.5	25.4
45 to 54 years	483	191	150	66	75	17.0	7.0	34.7	39.6	35.4	29.3
55 to 64 years	302	120	76	50	56	20.4	8.5	27.6	39.8	42.6	35.1
65 years and over	62	13	23	11	15	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,014	1,625	864	310	215	9.5	4.2	50.0	53.9	17.7	17.4
16 to 19 years	463	289	117	36	21	6.7	3.6	58.8	62.3	11.4	12.4
20 to 24 years	548	384	122	24	17	6.4	3.2	55.3	70.2	13.7	7.5
25 to 34 years	875	454	262	87	72	9.7	4.3	50.3	51.9	18.9	18.1
35 to 44 years	573	253	175	96	49	11.6	6.0	41.7	44.1	24.3	25.3
45 to 54 years	341	143	112	44	43	14.1	7.4	49.4	41.9	15.8	25.3
55 to 64 years	156	74	55	20	8	9.5	5.0	33.0	47.0	28.7	18.0
65 years and over	57	28	20	4	4	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,486	2,666	1,721	622	477	11.3	4.8	48.8	48.6	20.1	20.0
Men	3,244	1,438	1,095	394	317	12.7	5.6	46.2	44.3	23.0	21.9
Women	2,243	1,227	627	228	160	9.4	4.1	52.5	54.7	15.7	17.3
Black, 16 years and over	1,530	678	477	178	196	13.7	5.8	42.5	44.3	27.2	24.5
Men	852	327	275	107	144	16.6	7.2	41.7	38.3	29.9	29.5
Women	678	352	203	71	52	9.9	4.3	43.2	51.9	24.3	18.2
Men, 16 years and over:											
Married, spouse present	1,749	717	614	214	203	13.6	6.5	39.6	41.0	28.0	23.9
Widowed, divorced, or separated	541	174	215	69	82	17.6	7.5	36.8	32.2	30.1	27.9
Single (never married)	1,952	931	601	238	182	12.0	5.0	52.1	47.7	20.7	21.5
Women, 16 years and over:											
Married, spouse present	1,249	652	354	143	100	9.8	4.3	52.1	52.2	15.4	19.5
Widowed, divorced, or separated	624	288	212	67	58	11.8	5.4	41.9	46.2	22.0	20.0
Single (never married)	1,140	685	297	100	57	7.8	3.7	52.5	60.1	17.5	13.9

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	January 1990							Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
OCCUPATION											
Managerial and professional specialty	609	228	199	95	86	15.1	7.1	42.0	37.4	28.2	29.7
Technical, sales, and administrative support	1,696	888	469	206	133	10.2	4.3	51.2	52.4	18.7	20.0
Service occupations	1,058	530	324	97	108	11.8	4.5	52.1	50.1	20.2	19.4
Precision production, craft, and repair	939	404	352	88	95	12.4	6.0	45.4	43.0	20.9	19.5
Operators, fabricators, and laborers	2,069	963	657	259	190	12.1	5.3	42.2	46.5	24.5	21.7
Farming, forestry, and fishing	244	116	92	17	19	11.8	4.9	41.6	47.5	20.8	14.8
INDUSTRY¹											
Agriculture	213	98	84	14	16	11.4	5.2	43.5	46.0	18.4	14.6
Construction	855	355	343	91	65	11.6	6.0	47.1	41.5	14.7	18.2
Manufacturing	1,525	688	431	221	185	14.0	6.0	38.8	45.1	28.4	26.6
Durable goods	922	449	228	146	99	13.1	5.0	37.2	48.7	32.7	26.6
Nondurable goods	604	240	204	75	86	15.3	7.1	40.8	39.7	22.9	26.5
Transportation and public utilities	330	175	85	36	34	12.4	4.2	45.4	53.0	21.6	21.2
Wholesale and retail trade	1,606	848	459	156	143	10.6	4.3	53.4	52.8	18.7	18.6
Finance and service industries	1,705	811	548	206	141	11.0	5.1	46.7	47.6	23.4	20.4
Public administration	152	56	53	23	20	15.9	7.5	45.8	36.8	25.0	28.9
No previous work experience	615	311	188	65	51	10.4	4.4	54.3	50.6	19.3	18.9

¹ Includes wage and salary workers only.

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

Sex, age, and race	January 1990								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,256	5,618	25.0	8.7	68.3	41.4	20.7	4.2	1.68
16 to 19 years	1,093	1,006	12.6	6.3	75.5	30.0	16.0	3.0	1.43
20 to 24 years	1,312	1,073	26.0	9.2	66.0	42.7	16.6	4.4	1.65
25 to 34 years	2,103	1,626	29.6	6.7	68.3	44.9	21.7	3.6	1.75
35 to 44 years	1,345	973	27.7	10.5	67.7	44.3	20.6	4.5	1.75
45 to 54 years	825	558	29.5	13.6	65.0	42.5	28.5	7.4	1.87
55 to 64 years	459	296	24.2	11.8	65.7	42.7	29.4	4.3	1.78
65 years and over	119	87	16.3	5.7	49.6	45.8	27.1	4.3	1.49
Men, 16 years and over	4,242	3,144	26.9	9.1	70.2	39.0	22.8	5.0	1.73
16 to 19 years	630	582	15.4	7.3	76.6	28.7	17.6	2.5	1.48
20 to 24 years	765	595	27.5	8.9	67.9	39.4	18.0	5.0	1.67
25 to 34 years	1,228	890	31.3	6.6	71.0	42.3	25.8	3.6	1.81
35 to 44 years	773	520	31.0	10.3	67.5	41.6	21.7	6.5	1.79
45 to 54 years	483	310	33.3	18.4	66.7	42.3	33.3	9.9	2.04
55 to 64 years	302	200	21.1	9.1	68.7	39.0	25.8	5.7	1.69
65 years and over	62	47	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,014	2,475	22.7	8.2	66.0	44.4	18.0	3.3	1.63
16 to 19 years	463	423	8.8	4.9	74.0	31.7	13.8	3.7	1.37
20 to 24 years	548	478	24.1	9.6	63.6	46.9	14.7	3.8	1.63
25 to 34 years	875	736	27.5	6.9	65.1	48.0	16.8	3.5	1.68
35 to 44 years	573	454	23.9	10.7	67.9	47.4	19.3	2.3	1.72
45 to 54 years	341	248	24.8	7.6	62.9	42.7	22.5	4.3	1.65
55 to 64 years	156	96	30.7	17.3	59.4	50.3	37.0	1.3	1.96
65 years and over	57	40	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,486	4,127	25.0	9.1	69.1	42.6	20.6	4.7	1.71
Men	3,244	2,314	26.9	9.3	70.9	39.8	22.0	5.7	1.75
Women	2,243	1,813	22.5	8.7	66.8	46.1	18.8	3.5	1.66
Black, 16 years and over	1,530	1,294	26.2	7.6	68.0	35.9	20.0	3.0	1.61
Men	852	717	27.5	7.7	69.8	35.9	24.4	2.7	1.68
Women	678	577	24.7	7.5	65.8	35.8	14.4	3.5	1.52

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

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

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

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

Sex and reason	January 1990								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,256	5,618	25.0	8.7	68.3	41.4	20.7	4.2	1.68
Job losers ¹	3,819	2,254	31.3	9.8	69.3	41.7	24.0	3.7	1.80
Job leavers	1,113	1,083	25.5	10.2	70.1	47.4	17.0	2.8	1.73
Reentrants	1,772	1,740	19.9	7.6	64.4	40.1	18.2	6.2	1.56
New entrants	552	542	14.6	4.8	73.0	31.9	22.4	3.2	1.50
Men, 16 years and over	4,242	3,144	26.9	9.1	70.2	39.0	22.8	5.0	1.73
Job losers ¹	2,589	1,520	31.9	9.1	70.1	38.4	25.6	4.5	1.80
Job leavers	581	564	29.1	11.1	73.1	46.4	16.5	2.1	1.78
Reentrants	817	806	19.6	8.6	65.2	39.3	23.4	8.6	1.65
New entrants	255	253	15.2	6.0	79.9	25.5	17.8	3.0	1.47
Women, 16 years and over	3,014	2,475	22.7	8.2	66.0	44.4	18.0	3.3	1.63
Job losers ¹	1,231	734	30.0	11.2	67.7	48.7	20.5	2.1	1.80
Job leavers	532	519	21.7	9.1	67.0	48.5	17.5	3.5	1.67
Reentrants	955	934	20.1	6.8	63.7	40.8	13.6	4.2	1.49
New entrants	297	289	14.1	3.8	67.0	37.6	26.4	3.3	1.52

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
All industries	114,786	116,037	62,412	63,079	52,374	52,958
16 to 19 years	6,057	5,970	2,971	3,037	3,087	2,933
16 to 17 years	2,242	2,153	1,046	1,070	1,196	1,083
18 to 19 years	3,816	3,817	1,925	1,967	1,891	1,850
20 to 24 years	12,593	12,238	6,549	6,356	6,044	5,882
25 to 54 years	81,384	83,139	44,472	45,314	36,912	37,825
25 to 34 years	33,665	33,873	18,633	18,609	15,032	15,264
35 to 44 years	28,885	29,907	15,578	16,155	13,306	13,752
45 to 54 years	18,835	19,359	10,261	10,550	8,574	8,809
55 to 64 years	11,510	11,373	6,508	6,422	5,002	4,951
55 to 59 years	6,867	6,754	3,874	3,805	2,993	2,950
60 to 64 years	4,643	4,619	2,633	2,617	2,010	2,002
65 years and over	3,241	3,316	1,913	1,950	1,328	1,366
Agriculture	2,831	2,720	2,176	2,182	655	538
16 to 19 years	171	167	122	142	49	25
16 to 17 years	60	73	50	61	11	12
18 to 19 years	111	93	72	81	39	12
20 to 24 years	316	224	247	182	68	42
25 to 54 years	1,703	1,709	1,286	1,351	417	358
25 to 34 years	762	753	589	600	173	153
35 to 44 years	520	572	401	452	118	120
45 to 54 years	421	385	297	300	125	85
55 to 64 years	413	363	326	287	87	75
55 to 59 years	224	163	185	125	39	38
60 to 64 years	190	200	142	162	48	37
65 years and over	227	257	194	219	33	38
Nonagricultural industries	111,955	113,317	60,236	60,897	51,719	52,420
16 to 19 years	5,886	5,803	2,849	2,895	3,037	2,908
16 to 17 years	2,181	2,080	996	1,009	1,185	1,071
18 to 19 years	3,705	3,724	1,853	1,886	1,852	1,837
20 to 24 years	12,277	12,015	6,301	6,174	5,976	5,840
25 to 54 years	79,682	81,430	43,186	43,963	36,496	37,467
25 to 34 years	32,903	33,120	18,044	18,009	14,859	15,111
35 to 44 years	28,365	29,336	15,177	15,704	13,188	13,632
45 to 54 years	18,414	18,974	9,964	10,250	8,449	8,724
55 to 64 years	11,097	11,010	6,181	6,134	4,915	4,876
55 to 59 years	6,643	6,591	3,689	3,679	2,954	2,912
60 to 64 years	4,453	4,419	2,492	2,455	1,961	1,964
65 years and over	3,014	3,059	1,719	1,731	1,294	1,328

**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. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
Total	114,786	116,037	62,412	63,079	59,442	60,042	52,374	52,958	49,287	50,025
Managerial and professional specialty	29,810	30,824	16,243	16,729	16,161	16,650	13,567	14,095	13,451	13,985
Executive, administrative, and managerial	14,476	14,972	8,703	9,060	8,658	9,028	5,773	5,911	5,720	5,872
Officials and administrators, public administration	576	569	364	358	362	358	212	211	211	211
Other executive, administrative, and managerial	10,040	10,352	6,539	6,650	6,503	6,624	3,501	3,703	3,456	3,673
Management-related occupations	3,861	4,050	1,800	2,053	1,793	2,047	2,061	1,998	2,053	1,988
Professional specialty	15,333	15,852	7,540	7,669	7,503	7,622	7,793	8,184	7,731	8,113
Engineers	1,724	1,787	1,627	1,654	1,627	1,650	97	133	96	131
Mathematical and computer scientists	824	893	519	588	518	587	305	305	305	305
Natural scientists	389	432	286	289	285	289	103	143	103	143
Health diagnosing occupations	791	834	658	665	658	664	134	169	132	169
Health assessment and treating occupations	2,191	2,246	332	296	332	297	1,859	1,949	1,856	1,939
Teachers, college and university	729	802	454	498	453	497	276	303	276	298
Teachers, except college and university	4,141	4,186	1,139	1,140	1,128	1,129	3,002	3,046	2,974	3,019
Lawyers and judges	737	733	583	565	583	565	153	168	154	168
Other professional specialty occupations	3,807	3,940	1,942	1,974	1,919	1,943	1,865	1,966	1,835	1,941
Technical, sales, and administrative support	35,430	36,512	12,527	12,871	11,897	12,190	22,902	23,640	21,131	21,956
Technicians and related support	3,585	3,665	1,887	1,839	1,875	1,810	1,698	1,826	1,673	1,794
Health technologists and technicians	1,279	1,232	243	193	243	192	1,036	1,039	1,020	1,022
Engineering and science technicians	1,157	1,117	922	877	915	856	235	239	231	230
Technicians, except health, engineering, and science	1,149	1,317	722	769	717	762	427	548	422	541
Sales occupations	13,624	14,293	6,946	7,259	6,521	6,850	6,678	7,034	5,591	5,997
Supervisors and proprietors	3,647	3,840	2,427	2,496	2,411	2,475	1,219	1,344	1,197	1,316
Sales representatives, finance and business services	2,342	2,435	1,362	1,366	1,352	1,349	980	1,068	936	1,041
Sales representatives, commodities, except retail	1,589	1,681	1,277	1,337	1,270	1,316	312	344	306	333
Sales workers, retail and personal services	5,992	6,279	1,864	2,043	1,476	1,693	4,129	4,236	3,113	3,265
Sales-related occupations	54	57	15	17	11	17	38	40	39	41
Administrative support, including clerical	18,221	18,554	3,695	3,773	3,501	3,530	14,527	14,780	13,868	14,166
Supervisors	745	719	312	302	312	301	432	417	422	416
Computer equipment operators	876	863	317	312	305	306	559	551	531	534
Secretaries, stenographers, and typists	4,793	4,838	99	82	92	80	4,694	4,756	4,525	4,613
Financial records processing	2,386	2,405	213	211	209	208	2,173	2,194	2,132	2,150
Mail and message distributing	1,018	1,001	626	650	603	625	393	351	375	334
Other administrative support, including clerical	8,403	8,729	2,127	2,217	1,980	2,009	6,276	6,512	5,883	6,120
Service occupations	15,473	15,313	5,944	5,990	5,127	5,188	9,529	9,323	8,542	8,422
Private household	902	782	28	22	17	13	874	760	747	657
Protective service	1,979	1,937	1,694	1,668	1,651	1,640	285	268	276	258
Service, except private household and protective	12,593	12,594	4,223	4,300	3,459	3,534	8,370	8,294	7,520	7,507
Food service	5,252	5,165	1,963	1,991	1,384	1,413	3,290	3,174	2,705	2,657
Health service	2,029	2,033	191	204	178	196	1,838	1,829	1,747	1,744
Cleaning and building service	2,855	3,084	1,636	1,691	1,516	1,558	1,218	1,393	1,170	1,328
Personal service	2,457	2,312	432	414	381	367	2,025	1,898	1,897	1,778
Precision production, craft, and repair	13,658	13,462	12,437	12,305	12,182	12,036	1,221	1,157	1,206	1,124
Mechanics and repairers	4,627	4,419	4,466	4,292	4,370	4,218	160	127	157	125
Construction trades	4,790	5,009	4,703	4,905	4,592	4,770	87	104	85	104
Other precision production, craft, and repair	4,241	4,034	3,268	3,108	3,220	3,048	973	927	964	894
Operators, fabricators, and laborers	17,574	17,123	12,905	12,812	11,860	11,761	4,670	4,311	4,508	4,134
Machine operators, assemblers, and inspectors	8,180	7,796	4,840	4,754	4,657	4,579	3,339	3,042	3,264	2,959
Manufacturing industries	6,789	6,416	3,993	3,916	3,864	3,768	2,796	2,500	2,736	2,440
Durable goods	3,787	3,622	2,600	2,551	2,529	2,472	1,187	1,071	1,157	1,052
Nondurable goods	3,002	2,794	1,393	1,365	1,334	1,296	1,609	1,429	1,579	1,388
Nonmanufacturing industries	1,390	1,380	847	839	794	811	544	542	528	519
Transportation and material moving occupations	4,687	4,609	4,214	4,169	4,101	4,038	473	440	465	426
Motor vehicle operators	3,470	3,417	3,061	3,021	2,957	2,909	409	396	402	381
Other transportation and material moving occupations	1,217	1,192	1,153	1,148	1,145	1,129	64	44	63	44
Handlers, equipment cleaners, helpers, and laborers	4,707	4,718	3,851	3,889	3,102	3,144	857	830	779	749
Construction laborers	626	681	612	659	543	581	15	22	15	19
Other handlers, equipment cleaners, helpers, and laborers	4,081	4,037	3,239	3,230	2,558	2,563	842	807	764	729
Farming, forestry, and fishing	2,841	2,803	2,356	2,372	2,214	2,216	485	432	448	405
Farm operators and managers	1,183	1,157	1,000	979	989	967	183	178	180	178
Other farming, forestry, and fishing occupations	1,658	1,646	1,355	1,393	1,226	1,250	302	253	269	226

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
TOTAL						
Total, 16 years and over (thousands)	114,786	116,037	62,412	63,079	52,374	52,958
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	26.0	26.6	26.0	26.5	25.9	26.6
Executive, administrative, and managerial	12.6	12.9	13.9	14.4	11.0	11.2
Professional specialty	13.4	13.7	12.1	12.2	14.9	15.5
Technical, sales, and administrative support	30.9	31.5	20.1	20.4	43.7	44.6
Technicians and related support	3.1	3.2	3.0	2.9	3.2	3.4
Sales occupations	11.9	12.3	11.1	11.5	12.8	13.3
Administrative support, including clerical	15.9	16.0	5.9	6.0	27.7	27.9
Service occupations	13.5	13.2	9.5	9.5	18.2	17.6
Private household .....	.8	.7	(¹)	-	1.7	1.4
Protective service	1.7	1.7	2.7	2.6	.5	.5
Service, except private household and protective	11.0	10.9	6.8	6.8	16.0	15.7
Precision production, craft, and repair	11.9	11.6	19.9	19.5	2.3	2.2
Operators, fabricators, and laborers	15.3	14.8	20.7	20.3	8.9	8.1
Machine operators, assemblers, and inspectors	7.1	6.7	7.8	7.5	6.4	5.7
Transportation and material moving occupations	4.1	4.0	6.8	6.6	.9	.8
Handlers, equipment cleaners, helpers, and laborers	4.1	4.1	6.2	6.2	1.6	1.6
Farming, forestry, and fishing	2.5	2.4	3.8	3.8	.9	.8
White						
Total, 16 years and over (thousands)	99,506	100,419	54,805	55,362	44,702	45,057
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	27.2	27.6	27.4	27.6	27.0	27.7
Executive, administrative, and managerial	13.3	13.6	14.8	15.1	11.5	11.6
Professional specialty	13.9	14.1	12.6	12.5	15.5	16.1
Technical, sales, and administrative support	31.2	31.8	20.2	20.7	44.6	45.5
Technicians and related support	3.1	3.1	3.0	2.9	3.2	3.4
Sales occupations	12.4	12.9	11.7	12.2	13.3	13.8
Administrative support, including clerical	15.7	15.8	5.5	5.7	28.1	28.3
Service occupations	12.3	12.0	8.6	8.5	16.9	16.2
Private household .....	.7	.6	(¹)	-	1.4	1.3
Protective service	1.6	1.6	2.5	2.5	.5	.5
Service, except private household and protective	10.0	9.8	6.0	6.0	14.9	14.5
Precision production, craft, and repair	12.3	12.0	20.5	20.1	2.3	2.1
Operators, fabricators, and laborers	14.4	14.0	19.4	19.2	8.2	7.6
Machine operators, assemblers, and inspectors	6.7	6.5	7.4	7.3	5.8	5.4
Transportation and material moving occupations	3.9	3.8	6.4	6.2	.9	.8
Handlers, equipment cleaners, helpers, and laborers	3.8	3.8	5.6	5.7	1.6	1.4
Farming, forestry, and fishing	2.6	2.5	3.9	3.8	1.0	.9
Black						
Total, 16 years and over (thousands)	11,705	11,821	5,749	5,714	5,956	6,107
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	14.6	16.3	12.3	14.1	16.8	18.3
Executive, administrative, and managerial	6.6	7.4	6.4	7.0	6.9	7.8
Professional specialty	7.9	8.8	5.9	7.1	9.9	10.5
Technical, sales, and administrative support	28.1	28.4	17.0	16.7	38.8	39.5
Technicians and related support	3.0	2.8	2.5	2.2	3.5	3.4
Sales occupations	7.4	7.5	5.4	5.7	9.3	9.2
Administrative support, including clerical	17.7	18.1	9.1	8.8	26.1	26.9
Service occupations	23.0	23.0	17.4	17.7	28.5	27.9
Private household	1.8	1.6	.1	.1	3.5	3.0
Protective service	2.8	2.5	4.6	4.1	1.0	1.0
Service, except private household and protective	18.4	18.9	12.7	13.6	23.9	23.9
Precision production, craft, and repair	8.9	9.0	15.7	15.9	2.4	2.5
Operators, fabricators, and laborers	23.8	21.6	34.6	32.2	13.3	11.6
Machine operators, assemblers, and inspectors	10.3	8.7	10.8	9.6	9.9	7.8
Transportation and material moving occupations	6.2	6.1	11.3	11.3	1.4	1.2
Handlers, equipment cleaners, helpers, and laborers	7.2	6.9	12.6	11.3	2.0	2.7
Farming, forestry, and fishing	1.6	1.7	2.9	3.3	.3	.1

¹ Less than 0.05 percent.

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

(In thousands)

Age and sex	January 1990								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	104,510	974	17,820	85,716	8,567	240	1,394	1,250	75
16 to 19 years	5,719	127	236	5,356	73	11	134	12	21
16 to 17 years	2,056	79	46	1,931	23	1	59	1	13
18 to 19 years	3,664	48	191	3,425	50	10	75	10	8
20 to 24 years	11,701	90	1,017	10,594	298	16	197	22	5
25 to 34 years	31,073	147	4,422	26,504	2,015	32	476	263	13
35 to 44 years	26,810	167	5,628	21,015	2,469	57	287	277	8
45 to 54 years	17,066	164	3,969	12,932	1,843	65	148	230	7
55 to 64 years	9,664	183	2,103	7,378	1,308	38	92	260	11
55 to 59 years	5,800	97	1,282	4,421	772	19	36	122	6
60 to 64 years	3,864	85	821	2,958	535	19	56	138	5
65 years and over	2,478	96	445	1,937	562	20	60	187	9
Men, 16 years and over	55,367	98	8,091	47,178	5,503	27	1,113	1,043	25
16 to 19 years	2,857	17	90	2,750	35	2	116	9	17
16 to 17 years	998	14	21	963	11	-	49	1	11
18 to 19 years	1,859	2	69	1,788	25	2	67	8	6
20 to 24 years	5,988	16	433	5,539	180	6	162	19	2
25 to 34 years	16,732	15	2,018	14,699	1,271	5	376	223	1
35 to 44 years	14,133	11	2,511	11,610	1,571	-	227	225	-
45 to 54 years	9,064	16	1,850	7,197	1,185	1	116	184	-
55 to 64 years	5,263	16	974	4,273	868	3	69	215	3
55 to 59 years	3,183	5	605	2,573	495	1	26	100	-
60 to 64 years	2,080	11	369	1,700	373	2	44	116	3
65 years and over	1,329	7	214	1,109	392	10	47	168	3
Women, 16 years and over	49,143	876	9,729	38,538	3,064	213	281	207	50
16 to 19 years	2,862	110	146	2,605	38	9	18	3	4
16 to 17 years	1,058	64	25	968	12	1	10	-	2
18 to 19 years	1,804	46	121	1,637	26	8	8	3	2
20 to 24 years	5,712	74	583	5,055	117	11	35	3	3
25 to 34 years	14,340	132	2,404	11,805	744	27	101	40	12
35 to 44 years	12,677	156	3,116	9,405	898	57	60	52	8
45 to 54 years	8,002	148	2,119	5,735	657	65	32	46	8
55 to 64 years	4,401	167	1,129	3,105	440	35	22	45	9
55 to 59 years	2,617	92	677	1,848	277	18	10	22	6
60 to 64 years	1,784	75	453	1,257	162	18	12	22	3
65 years and over	1,148	90	231	828	170	10	13	19	6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	January 1990												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	2,720	70	82	23	14	99	-	14	58	8	39	27	2,287
Mining	698	104	64	26	9	81	-	5	232	30	110	34	3
Construction	7,503	1,047	136	51	73	469	-	40	4,314	102	490	770	12
Manufacturing	21,223	2,638	1,794	725	804	2,405	-	406	3,947	6,416	777	1,217	92
Durable goods	12,661	1,588	1,254	512	339	1,354	-	212	2,715	3,622	394	580	89
Nondurable goods	8,562	1,049	541	213	465	1,051	-	194	1,232	2,794	383	637	2
Transportation and public utilities	8,026	971	461	313	359	2,204	-	246	1,185	105	1,692	469	19
Wholesale and retail trade	24,138	2,132	498	115	10,194	2,329	-	4,330	1,455	328	926	1,801	31
Wholesale trade	4,523	556	72	38	1,877	735	-	30	277	135	410	386	6
Retail trade	19,615	1,576	425	77	8,318	1,594	-	4,300	1,178	193	515	1,415	24
Finance, insurance, and real estate	7,878	2,081	236	146	1,889	3,045	-	251	147	18	6	20	39
Services	38,362	4,682	11,786	2,037	907	6,436	782	7,899	1,932	745	524	345	286
Private households	981	1	18	9	-	6	782	89	11	3	5	21	37
Other service industries	37,380	4,681	11,768	2,028	906	6,430	-	7,810	1,922	742	520	324	249
Professional services	25,013	2,634	10,499	1,625	159	4,626	-	4,406	383	228	298	75	81
Public administration	5,490	1,247	795	229	43	1,486	-	1,339	192	44	45	35	35

¹ Includes protective service, not shown separately.

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Jan. 1989	Jan. 1990	Total		Wage and salary workers ¹			
			Jan. 1989	Jan. 1990	Paid absences		Unpaid absences	
					Jan. 1989	Jan. 1990	Jan. 1989	Jan. 1990
Total, 16 years and over	4,598	4,929	4,365	4,770	1,610	1,763	2,087	2,295
Vacation	1,561	1,722	1,505	1,680	822	855	539	594
Illness	1,439	1,682	1,400	1,646	531	626	712	868
Bad weather	317	217	261	178	(²)	(²)	(²)	(²)
Industrial dispute	14	32	14	32	(²)	(²)	(²)	(²)
All other reasons	1,267	1,276	1,185	1,234	257	281	836	834
Men, 16 years and over	2,561	2,508	2,365	2,373	916	912	1,020	1,078
Vacation	881	914	832	883	514	493	253	281
Illness	759	852	726	823	275	306	347	434
All other reasons ³	921	742	807	668	127	113	420	362
Women, 16 years and over	2,037	2,421	2,000	2,396	693	852	1,067	1,219
Vacation	680	807	673	797	308	361	286	313
Illness	679	830	675	823	255	321	365	435
All other reasons ³	677	783	652	775	130	169	416	472

¹ Excludes private household workers.

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

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

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

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

Hours of work	January 1990					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	111,108	2,561	108,547	100.0	100.0	100.0
1 to 34 hours	25,781	809	24,972	23.2	31.6	23.0
1 to 4 hours	807	45	762	.7	1.8	.7
5 to 14 hours	4,291	180	4,111	3.9	7.0	3.8
15 to 29 hours	13,134	411	12,723	11.8	16.0	11.7
30 to 34 hours	7,549	172	7,377	6.8	6.7	6.8
35 hours and over	85,327	1,752	83,575	76.8	68.4	77.0
35 to 39 hours	7,256	133	7,122	6.5	5.2	6.6
40 hours	45,521	606	44,915	41.0	23.7	41.4
41 hours and over	32,551	1,013	31,538	29.3	39.6	29.1
41 to 48 hours	12,001	174	11,827	10.8	6.8	10.9
49 to 59 hours	12,354	338	12,016	11.1	13.2	11.1
60 hours and over	8,196	502	7,694	7.4	19.6	7.1
Average hours, total at work	39.2	41.3	39.2	-	-	-
Average hours, workers on full-time schedules	43.5	48.2	43.4	-	-	-

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 1990					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	25,781	7,475	18,306	24,972	7,127	17,846
Economic reasons	5,043	2,026	3,017	4,814	1,889	2,925
Slack work	2,717	1,752	965	2,536	1,620	916
Material shortages or repairs to plant and equipment	40	40	-	40	40	-
New job started during week	171	171	-	167	167	-
Job terminated during week	63	63	-	62	62	-
Could find only part-time work	2,052	-	2,052	2,009	-	2,009
Other reasons	20,738	5,449	15,289	20,158	5,237	14,921
Does not want, or unavailable for, full-time work	12,557	-	12,557	12,283	-	12,283
Vacation	914	914	-	901	901	-
Illness	2,231	2,077	154	2,183	2,037	146
Bad weather	490	490	-	415	415	-
Industrial dispute	7	7	-	7	7	-
Legal or religious holiday	253	253	-	252	252	-
Full time for this job	1,853	-	1,853	1,810	-	1,810
All other reasons	2,433	1,708	725	2,307	1,625	682
Average hours:						
Economic reasons	22.6	24.3	21.4	22.7	24.5	21.5
Other reasons	21.1	25.5	19.5	21.2	25.6	19.6
Worked 30 to 34 hours:						
Economic reasons	1,772	926	846	1,710	885	825
Other reasons	5,777	2,731	3,046	5,667	2,661	3,006

**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 1990								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
Total, 16 years and over	108,547	4,814	14,921	88,812	57,275	11,827	19,710	39.2	43.4
Wage and salary workers	100,375	4,151	13,535	82,689	54,347	11,232	17,110	39.1	43.1
Mining	651	15	9	628	301	108	220	47.3	48.3
Construction	5,764	396	260	5,109	3,599	534	976	39.5	41.9
Manufacturing	20,100	534	674	18,892	12,130	3,184	3,577	41.9	43.1
Durable goods	11,973	254	251	11,468	7,384	1,888	2,196	42.3	43.1
Nondurable goods	8,126	279	423	7,424	4,746	1,296	1,381	41.3	43.1
Transportation and public utilities	7,339	224	372	6,743	4,318	904	1,521	41.9	43.7
Wholesale and retail trade	21,331	1,384	5,018	14,928	9,029	2,297	3,602	36.7	43.7
Finance, insurance, and real estate	6,995	117	652	6,226	4,135	811	1,280	40.3	42.5
Service industries	32,905	1,433	6,334	25,138	17,013	2,945	5,181	37.5	43.0
Private households	916	125	402	388	263	29	96	28.0	45.3
All other industries	31,989	1,308	5,931	24,750	16,749	2,916	5,084	37.8	42.9
Public administration	5,290	49	216	5,026	3,823	450	753	40.9	42.0
Self-employed workers	7,932	649	1,267	6,017	2,864	586	2,567	40.3	47.2
Unpaid family workers	240	14	119	107	64	9	33	31.4	44.1

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	January 1990							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Total, 16 years and over	108,547	4,814	14,921	88,812	57,275	31,538	39.2	43.4
16 to 19 years	5,569	418	3,357	1,794	1,438	356	24.5	39.8
16 to 17 years	1,998	59	1,750	190	161	29	17.1	36.4
18 to 19 years	3,571	358	1,608	1,605	1,277	328	28.7	40.2
20 years and over	102,978	4,396	11,564	87,018	55,837	31,181	40.0	43.4
20 to 24 years	11,544	815	1,964	8,765	6,281	2,484	36.7	41.8
25 years and over	91,434	3,582	9,599	78,253	49,556	28,697	40.4	43.6
25 to 44 years	60,127	2,347	5,303	52,477	32,556	19,921	40.9	43.8
45 to 64 years	28,532	1,095	2,961	24,476	16,087	8,389	40.2	43.4
65 years and over	2,775	140	1,336	1,299	912	387	29.3	42.4
Men, 16 years and over	58,524	2,218	4,383	51,923	29,865	22,057	42.0	44.8
16 to 19 years	2,774	191	1,569	1,014	774	240	25.7	40.4
16 to 17 years	970	29	833	108	92	17	18.1	37.1
18 to 19 years	1,804	162	737	906	682	224	29.8	40.8
20 years and over	55,750	2,028	2,814	50,908	29,091	21,817	42.8	44.9
20 to 24 years	5,951	372	797	4,782	3,210	1,571	38.3	42.5
25 years and over	49,799	1,656	2,017	46,126	25,881	20,245	43.3	45.1
25 to 44 years	32,606	1,134	751	30,721	16,700	14,021	44.1	45.4
45 to 64 years	15,621	457	568	14,596	8,649	5,947	43.1	44.7
65 years and over	1,572	65	697	809	533	277	30.6	42.9
Women, 16 years and over	50,023	2,595	10,538	36,890	27,409	9,481	35.9	41.4
16 to 19 years	2,795	227	1,788	780	664	116	23.3	38.9
16 to 17 years	1,028	30	917	81	69	12	16.2	35.4
18 to 19 years	1,767	197	871	699	595	104	27.5	39.3
20 years and over	47,228	2,369	8,750	36,110	26,745	9,364	36.6	41.4
20 to 24 years	5,593	443	1,167	3,983	3,070	913	35.1	40.9
25 years and over	41,635	1,926	7,583	32,127	23,675	8,451	36.8	41.5
25 to 44 years	27,521	1,214	4,551	21,756	15,857	5,899	37.2	41.5
45 to 64 years	12,911	639	2,393	9,879	7,438	2,441	36.8	41.5
65 years and over	1,203	75	639	490	380	110	27.7	41.6
RACE								
White, 16 years and over	93,803	4,007	13,289	76,508	47,816	28,692	39.3	43.6
Men	51,267	1,868	3,819	45,580	25,346	20,234	42.3	45.0
Women	42,536	2,138	9,470	30,928	22,469	8,458	35.7	41.5
Black, 16 years and over	11,158	660	1,161	9,337	7,315	2,022	38.2	41.5
Men	5,360	283	395	4,681	3,409	1,272	39.8	42.5
Women	5,798	377	765	4,656	3,906	750	36.7	40.5
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	37,721	995	1,357	35,368	19,261	16,107	43.8	45.3
Widowed, divorced, or separated	5,851	317	280	5,255	3,103	2,152	42.2	44.6
Single (never married)	14,952	906	2,746	11,300	7,502	3,798	37.3	43.1
Women, 16 years and over:								
Married, spouse present	27,822	1,218	6,220	20,383	15,350	5,034	35.7	41.1
Widowed, divorced, or separated	9,942	626	1,166	8,150	5,895	2,255	38.3	42.0
Single (never married)	12,260	752	3,152	8,356	6,164	2,192	34.3	41.5

**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 1990								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over ¹	108,512	4,796	14,940	88,777	57,174	11,825	19,778	39.2	43.4
Managerial and professional specialty	29,573	487	2,675	26,411	14,496	3,454	8,461	42.5	45.2
Executive, administrative, and managerial	14,428	164	720	13,544	6,829	1,807	4,909	44.5	46.0
Professional specialty	15,145	324	1,955	12,867	7,668	1,647	3,551	40.6	44.3
Technical, sales, and administrative support	35,185	1,292	6,321	27,572	18,801	3,635	5,136	37.7	42.5
Technicians and related support	3,513	56	409	3,048	2,075	460	513	40.0	42.8
Sales occupations	13,726	709	2,831	10,186	5,386	1,475	3,325	38.5	45.0
Administrative support, including clerical	17,946	527	3,081	14,338	11,341	1,700	1,298	36.7	40.6
Service occupations	14,541	1,322	4,020	9,199	6,808	949	1,441	34.0	42.2
Private household	731	91	339	300	216	19	65	26.6	42.6
Protective service	1,834	32	146	1,657	1,000	252	405	42.8	45.2
Service, except private household and protective	11,976	1,199	3,535	7,242	5,593	678	971	33.1	41.5
Precision production, craft, and repair	12,899	667	460	11,772	7,657	1,681	2,434	41.3	43.2
Operators, fabricators, and laborers	16,314	1,027	1,463	13,823	9,410	2,106	2,307	39.4	42.7
Machine operators, assemblers, and inspectors	7,487	375	325	6,786	4,877	1,097	813	40.2	41.9
Transportation and material moving occupations	4,349	230	386	3,733	2,082	547	1,104	41.8	45.2
Handlers, equipment cleaners, helpers, and laborers	4,478	422	752	3,304	2,452	462	390	35.8	41.4
Men, 16 years and over ¹	58,384	2,191	4,373	51,820	29,734	7,391	14,695	42.0	44.8
Managerial and professional specialty	16,157	200	751	15,206	7,281	1,893	6,031	45.3	46.9
Executive, administrative, and managerial	8,756	78	259	8,419	3,675	1,069	3,675	46.5	47.5
Professional specialty	7,402	122	492	6,787	3,607	824	2,356	43.9	46.1
Technical, sales, and administrative support	12,450	283	1,245	10,922	5,785	1,710	3,427	42.1	45.3
Technicians and related support	1,761	27	102	1,631	996	274	361	42.4	44.1
Sales occupations	7,040	169	706	6,165	2,631	939	2,595	43.6	47.1
Administrative support, including clerical	3,650	86	437	3,126	2,158	497	472	39.0	42.3
Service occupations	5,735	408	1,047	4,280	2,934	528	818	37.4	43.4
Private household	20	1	12	7	4	-	3	(²)	(²)
Protective service	1,586	24	101	1,460	874	222	363	43.6	45.5
Service, except private household and protective	4,130	383	934	2,813	2,055	306	452	35.1	42.3
Precision production, craft, and repair	11,811	602	339	10,869	6,954	1,575	2,341	41.6	43.4
Operators, fabricators, and laborers	12,231	698	990	10,543	6,781	1,685	2,077	40.3	43.4
Machine operators, assemblers, and inspectors	4,608	172	134	4,302	2,914	756	632	41.4	42.7
Transportation and material moving occupations	3,926	189	241	3,496	1,889	520	1,086	42.8	45.5
Handlers, equipment cleaners, helpers, and laborers	3,697	338	614	2,745	1,977	409	359	36.1	41.7
Women, 16 years and over ¹	50,128	2,604	10,566	36,957	27,440	4,434	5,083	35.9	41.4
Managerial and professional specialty	13,416	287	1,924	11,205	7,215	1,560	2,429	39.1	42.8
Executive, administrative, and managerial	5,672	86	461	5,126	3,154	737	1,234	41.4	43.5
Professional specialty	7,744	201	1,463	6,079	4,061	823	1,195	37.5	42.3
Technical, sales, and administrative support	22,735	1,010	5,076	16,649	13,017	1,925	1,708	35.3	40.7
Technicians and related support	1,753	29	307	1,416	1,079	186	152	37.5	41.3
Sales occupations	6,686	540	2,125	4,021	2,755	536	731	33.2	41.8
Administrative support, including clerical	14,297	441	2,644	11,212	9,183	1,203	826	36.0	40.2
Service occupations	8,806	914	2,973	4,919	3,875	422	623	31.7	41.1
Private household	711	90	327	293	211	20	62	26.5	42.3
Protective service	249	7	45	197	126	29	41	37.7	42.7
Service, except private household and protective	7,846	816	2,600	4,429	3,538	373	519	32.0	41.0
Precision production, craft, and repair	1,088	64	120	903	704	106	93	37.4	40.7
Operators, fabricators, and laborers	4,083	329	473	3,280	2,630	420	230	36.9	40.4
Machine operators, assemblers, and inspectors	2,879	203	191	2,484	1,962	341	181	38.2	40.5
Transportation and material moving occupations	423	41	145	237	192	26	18	32.1	40.8
Handlers, equipment cleaners, helpers, and laborers	781	84	138	559	475	53	31	34.4	39.9

¹ Excludes farming, forestry, and fishing occupations.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
TOTAL													
Noninstitutional population ¹	187,340	187,461	187,581	187,708	187,854	187,995	188,149	188,286	188,428	188,580	188,721	188,865	188,990
Labor force ¹	124,961	124,801	124,929	125,299	125,224	125,777	125,679	125,758	125,725	125,857	126,192	126,246	126,094
Percent of population ²	66.7	66.6	66.6	66.8	66.7	66.9	66.8	66.8	66.7	66.7	66.9	66.8	66.7
Total employed ¹	118,336	118,441	118,731	118,768	118,805	119,208	119,102	119,238	119,121	119,294	119,540	119,588	119,560
Employment-population ratio ³	63.2	63.2	63.3	63.3	63.2	63.4	63.3	63.3	63.2	63.3	63.3	63.3	63.3
Resident Armed Forces	1,696	1,684	1,684	1,684	1,673	1,666	1,666	1,688	1,702	1,709	1,704	1,700	1,697
Civilian employed	116,640	116,757	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863
Agriculture	3,268	3,196	3,185	3,144	3,137	3,138	3,217	3,275	3,219	3,197	3,160	3,197	3,134
Nonagricultural industries	113,372	113,561	113,862	113,940	113,995	114,404	114,219	114,275	114,200	114,388	114,676	114,691	114,728
Unemployed	6,625	6,360	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535
Unemployment rate ⁴	5.3	5.1	5.0	5.2	5.1	5.2	5.2	5.2	5.3	5.2	5.3	5.3	5.2
Not in labor force	62,379	62,660	62,652	62,409	62,630	62,218	62,470	62,528	62,703	62,723	62,529	62,619	62,896
Men													
Noninstitutional population ¹	89,914	89,973	90,032	90,094	90,167	90,237	90,315	90,384	90,456	90,535	90,606	90,678	90,772
Labor force ¹	68,936	69,033	69,100	69,293	69,142	69,542	69,366	69,404	69,360	69,599	69,635	69,725	69,539
Percent of population ²	76.7	76.7	76.8	76.9	76.7	77.1	76.8	76.8	76.7	76.9	76.9	76.9	76.6
Total employed ¹	65,296	65,529	65,814	65,727	65,713	66,078	65,939	65,919	65,681	66,046	66,011	66,143	65,943
Employment-population ratio ³	72.6	72.8	73.1	73.0	72.9	73.2	73.0	72.9	72.6	73.0	72.9	72.9	72.6
Resident Armed Forces	1,532	1,521	1,521	1,521	1,511	1,501	1,499	1,519	1,531	1,533	1,529	1,525	1,523
Civilian employed	63,764	64,008	64,293	64,206	64,202	64,577	64,440	64,400	64,150	64,513	64,482	64,618	64,420
Unemployed	3,640	3,504	3,286	3,566	3,429	3,464	3,427	3,485	3,679	3,553	3,624	3,582	3,597
Unemployment rate ⁴	5.3	5.1	4.8	5.1	5.0	5.0	4.9	5.0	5.3	5.1	5.2	5.1	5.2
Not in labor force	20,978	20,940	20,932	20,801	21,025	20,695	20,949	20,980	21,096	20,936	20,971	20,953	21,233
Women													
Noninstitutional population ¹	97,427	97,488	97,550	97,614	97,687	97,758	97,834	97,902	97,972	98,045	98,115	98,187	98,218
Labor force ¹	56,025	55,768	55,829	56,006	56,082	56,235	56,313	56,354	56,365	56,258	56,557	56,521	56,555
Percent of population ²	57.5	57.2	57.2	57.4	57.4	57.5	57.6	57.6	57.5	57.4	57.6	57.6	57.6
Total employed ¹	53,040	52,912	52,917	53,041	53,092	53,130	53,163	53,319	53,440	53,248	53,529	53,445	53,617
Employment-population ratio ³	54.4	54.3	54.2	54.3	54.3	54.3	54.3	54.5	54.5	54.3	54.6	54.4	54.6
Resident Armed Forces	164	163	163	163	162	165	167	169	171	176	175	175	174
Civilian employed	52,876	52,749	52,754	52,878	52,930	52,965	52,996	53,150	53,269	53,072	53,354	53,270	53,443
Unemployed	2,985	2,856	2,912	2,965	2,990	3,105	3,150	3,035	2,925	3,010	3,028	3,076	2,938
Unemployment rate ⁴	5.3	5.1	5.2	5.3	5.3	5.5	5.6	5.4	5.2	5.4	5.4	5.4	5.2
Not in labor force	41,402	41,720	41,721	41,608	41,605	41,523	41,521	41,548	41,607	41,787	41,558	41,666	41,663

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

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

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

Armed Forces).

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
TOTAL													
Civilian noninstitutional population ¹	185,644	185,777	185,897	186,024	186,181	186,329	186,483	186,598	186,726	186,871	187,017	187,165	187,293
Civilian labor force	123,265	123,117	123,245	123,615	123,551	124,111	124,013	124,070	124,023	124,148	124,488	124,546	124,397
Percent of population	66.4	66.3	66.3	66.5	66.4	66.6	66.5	66.5	66.4	66.4	66.6	66.5	66.4
Employed	116,640	116,757	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863
Employment-population ratio ²	62.8	62.8	63.0	62.9	62.9	63.1	63.0	63.0	62.9	62.9	63.0	63.0	62.9
Unemployed	6,625	6,360	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535
Unemployment rate	5.4	5.2	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Men, 20 years and over													
Civilian noninstitutional population ¹	81,162	81,256	81,333	81,413	81,524	81,592	81,679	81,754	81,790	81,905	81,968	82,055	82,168
Civilian labor force	63,285	63,393	63,468	63,638	63,535	63,874	63,736	63,717	63,771	63,918	63,967	64,071	63,958
Percent of population	78.0	78.0	78.0	78.2	77.9	78.3	78.0	77.9	78.0	78.0	78.0	78.1	77.8
Employed	60,398	60,566	60,783	60,716	60,774	61,072	60,915	60,861	60,729	61,026	61,033	61,154	60,976
Employment-population ratio ²	74.4	74.5	74.7	74.6	74.5	74.9	74.6	74.4	74.2	74.5	74.5	74.5	74.2
Agriculture	2,286	2,312	2,309	2,270	2,295	2,279	2,329	2,340	2,330	2,304	2,292	2,293	2,269
Nonagricultural industries	58,112	58,254	58,474	58,446	58,479	58,793	58,586	58,521	58,399	58,722	58,741	58,861	58,706
Unemployed	2,887	2,827	2,685	2,922	2,761	2,802	2,821	2,856	3,042	2,892	2,934	2,917	2,983
Unemployment rate	4.6	4.5	4.2	4.6	4.3	4.4	4.4	4.5	4.8	4.5	4.6	4.6	4.7
Not in labor force	17,877	17,863	17,865	17,775	17,989	17,718	17,943	18,037	18,019	17,987	18,001	17,984	18,210
Women, 20 years and over													
Civilian noninstitutional population ¹	90,072	90,153	90,242	90,318	90,432	90,526	90,607	90,684	90,771	90,860	90,952	91,042	91,091
Civilian labor force	51,961	51,816	51,876	52,009	52,120	52,219	52,385	52,352	52,358	52,281	52,541	52,586	52,686
Percent of population	57.7	57.5	57.5	57.6	57.6	57.7	57.8	57.7	57.7	57.5	57.8	57.8	57.8
Employed	49,517	49,455	49,467	49,560	49,649	49,687	49,817	49,875	49,984	49,796	50,043	50,048	50,255
Employment-population ratio ²	55.0	54.9	54.8	54.9	54.9	54.9	55.0	55.0	55.1	54.8	55.0	55.0	55.2
Agriculture	704	646	647	638	633	622	639	642	660	641	624	618	594
Nonagricultural industries	48,813	48,809	48,820	48,922	49,016	49,065	49,178	49,233	49,324	49,155	49,419	49,430	49,661
Unemployed	2,444	2,361	2,409	2,449	2,471	2,532	2,568	2,477	2,374	2,485	2,498	2,538	2,431
Unemployment rate	4.7	4.6	4.6	4.7	4.7	4.8	4.9	4.7	4.5	4.8	4.8	4.8	4.6
Not in labor force	38,111	38,337	38,366	38,309	38,312	38,307	38,222	38,332	38,413	38,579	38,411	38,456	38,405
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,410	14,367	14,323	14,293	14,224	14,211	14,196	14,160	14,166	14,107	14,097	14,067	14,034
Civilian labor force	8,019	7,908	7,901	7,968	7,896	8,018	7,892	8,001	7,894	7,949	7,980	7,889	7,752
Percent of population	55.6	55.0	55.2	55.7	55.5	56.4	55.6	56.5	55.7	56.3	56.6	56.1	55.2
Employed	6,725	6,736	6,797	6,808	6,709	6,783	6,704	6,814	6,706	6,763	6,760	6,686	6,631
Employment-population ratio ²	46.7	46.9	47.5	47.6	47.2	47.7	47.2	48.1	47.3	47.9	48.0	47.5	47.3
Agriculture	278	238	229	236	209	237	249	293	229	252	244	286	270
Nonagricultural industries	6,447	6,498	6,568	6,572	6,500	6,546	6,455	6,521	6,477	6,511	6,516	6,400	6,361
Unemployed	1,294	1,172	1,104	1,160	1,187	1,235	1,188	1,187	1,188	1,186	1,220	1,203	1,121
Unemployment rate	16.1	14.8	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5
Not in labor force	6,391	6,459	6,422	6,325	6,328	6,193	6,304	6,159	6,272	6,158	6,117	6,178	6,282

¹ The population figures are not adjusted for seasonal variation.

population.

² Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
WHITE													
Civilian noninstitutional population ¹	158,865	158,947	159,020	159,098	159,200	159,297	159,400	159,470	159,549	159,644	159,736	159,832	159,938
Civilian labor force	105,999	105,760	105,926	106,208	106,152	106,474	106,384	106,485	106,393	106,618	106,834	106,896	106,884
Percent of population	66.7	66.5	66.6	66.8	66.7	66.8	66.7	66.8	66.7	66.8	66.9	66.9	66.8
Employed	101,137	101,187	101,413	101,400	101,432	101,683	101,546	101,684	101,579	101,862	101,991	102,032	102,074
Employment-population ratio ²	63.7	63.7	63.8	63.7	63.7	63.8	63.7	63.8	63.7	63.8	63.8	63.8	63.8
Unemployed	4,862	4,573	4,513	4,808	4,720	4,791	4,838	4,801	4,814	4,756	4,843	4,864	4,811
Unemployment rate	4.6	4.3	4.3	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5
Men, 20 years and over													
Civilian labor force	55,160	55,217	55,308	55,374	55,280	55,544	55,463	55,443	55,465	55,626	55,676	55,747	55,771
Percent of population	78.4	78.4	78.5	78.5	78.3	78.7	78.5	78.4	78.3	78.5	78.5	78.5	78.4
Employed	52,996	53,105	53,300	53,199	53,222	53,437	53,331	53,307	53,153	53,483	53,482	53,580	53,560
Employment-population ratio ²	75.4	75.4	75.7	75.5	75.4	75.7	75.4	75.4	75.1	75.5	75.4	75.5	75.3
Unemployed	2,164	2,112	2,008	2,175	2,058	2,107	2,132	2,136	2,312	2,143	2,194	2,167	2,211
Unemployment rate	3.9	3.8	3.6	3.9	3.7	3.8	3.8	3.9	4.2	3.9	3.9	3.9	4.0
Women, 20 years and over													
Civilian labor force	43,890	43,762	43,797	43,984	44,057	44,076	44,230	44,184	44,198	44,207	44,360	44,469	44,475
Percent of population	57.1	56.9	56.9	57.1	57.2	57.2	57.3	57.2	57.2	57.1	57.3	57.4	57.4
Employed	42,153	42,137	42,102	42,199	42,268	42,279	42,377	42,391	42,520	42,437	42,586	42,641	42,718
Employment-population ratio ²	54.9	54.8	54.7	54.8	54.8	54.8	54.9	54.9	55.0	54.9	55.0	55.0	55.1
Unemployed	1,737	1,625	1,695	1,785	1,789	1,797	1,853	1,793	1,678	1,770	1,774	1,828	1,757
Unemployment rate	4.0	3.7	3.9	4.1	4.1	4.1	4.2	4.1	3.8	4.0	4.0	4.1	4.0
Both sexes, 16 to 19 years													
Civilian labor force	6,949	6,781	6,821	6,850	6,815	6,854	6,691	6,858	6,730	6,785	6,798	6,680	6,639
Percent of population	59.5	58.2	58.7	59.1	58.9	59.3	58.0	59.6	58.7	59.4	59.7	58.9	58.7
Employed	5,988	5,945	6,011	6,002	5,942	5,967	5,838	5,986	5,906	5,942	5,923	5,811	5,796
Employment-population ratio ²	51.3	51.0	51.7	51.7	51.3	51.6	50.6	52.0	51.5	52.0	52.0	51.2	51.3
Unemployed	961	836	810	848	873	887	853	872	824	843	875	869	843
Unemployment rate	13.8	12.3	11.9	12.4	12.8	12.9	12.7	12.7	12.2	12.4	12.9	13.0	12.7
Men	15.9	13.9	13.0	13.2	14.1	13.5	12.8	13.1	13.3	13.8	14.3	14.0	12.9
Women	11.6	10.7	10.7	11.5	11.4	12.3	12.6	12.3	11.1	10.9	11.3	11.9	12.4
BLACK													
Civilian noninstitutional population ¹	20,877	20,905	20,930	20,956	20,986	21,012	21,038	21,060	21,085	21,108	21,136	21,164	21,163
Civilian labor force	13,447	13,443	13,429	13,336	13,454	13,569	13,548	13,476	13,518	13,507	13,576	13,522	13,510
Percent of population	64.4	64.3	64.2	63.6	64.1	64.6	64.4	64.0	64.1	64.0	64.2	63.9	63.8
Employed	11,867	11,883	11,952	11,872	11,962	11,969	12,063	11,961	11,938	11,923	11,954	11,920	11,978
Employment-population ratio ²	56.8	56.8	57.1	56.7	57.0	57.0	57.3	56.8	56.6	56.5	56.6	56.3	56.6
Unemployed	1,580	1,560	1,477	1,464	1,492	1,600	1,485	1,515	1,580	1,584	1,622	1,602	1,532
Unemployment rate	11.7	11.6	11.0	11.0	11.1	11.8	11.0	11.2	11.7	11.7	11.9	11.8	11.3
Men, 20 years and over													
Civilian labor force	6,209	6,187	6,219	6,188	6,209	6,206	6,209	6,198	6,239	6,234	6,247	6,244	6,189
Percent of population	74.8	74.4	74.7	74.2	74.3	74.2	74.1	73.9	74.6	74.2	74.2	74.0	73.5
Employed	5,578	5,558	5,611	5,576	5,617	5,613	5,621	5,584	5,610	5,593	5,587	5,569	5,496
Employment-population ratio ²	67.2	66.9	67.4	66.9	67.3	67.1	67.1	66.6	67.0	66.6	66.4	66.0	65.2
Unemployed	631	629	608	612	592	593	588	614	629	641	660	675	693
Unemployment rate	10.2	10.2	9.8	9.9	9.5	9.6	9.5	9.9	10.1	10.3	10.6	10.8	11.2
Women, 20 years and over													
Civilian labor force	6,346	6,333	6,325	6,254	6,341	6,401	6,386	6,362	6,360	6,336	6,373	6,311	6,393
Percent of population	61.0	60.8	60.6	59.9	60.6	61.1	60.9	60.6	60.5	60.2	60.4	59.7	60.5
Employed	5,699	5,699	5,735	5,685	5,734	5,732	5,755	5,753	5,743	5,706	5,722	5,681	5,802
Employment-population ratio ²	54.8	54.7	55.0	54.4	54.8	54.7	54.9	54.8	54.6	54.2	54.2	53.8	54.9
Unemployed	647	634	590	569	607	669	631	609	617	630	651	630	591
Unemployment rate	10.2	10.0	9.3	9.1	9.6	10.5	9.9	9.6	9.7	9.9	10.2	10.0	9.2

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	892	923	885	894	904	962	953	916	919	937	956	967	928
Percent of population	41.0	42.4	40.7	41.1	41.6	44.2	43.8	42.2	41.8	43.0	44.0	44.6	42.8
Employed	590	626	606	611	611	624	687	624	585	624	645	670	680
Employment-population ratio ²	27.1	28.8	27.9	28.1	28.1	28.7	31.6	28.7	26.6	28.6	29.7	30.9	31.3
Unemployed	302	297	279	283	293	338	266	292	334	313	311	297	248
Unemployment rate	33.9	32.2	31.5	31.7	32.4	35.1	27.9	31.9	36.3	33.4	32.5	30.7	26.7
Men	35.6	32.6	29.0	34.8	35.4	33.8	23.2	30.3	33.8	32.0	32.3	30.1	29.2
Women	31.9	31.7	34.3	28.5	29.6	36.8	33.1	33.6	38.8	34.9	32.7	31.4	24.0
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	13,564	13,606	13,649	13,690	13,731	13,772	13,813	13,853	13,894	13,936	13,977	14,019	14,080
Civilian labor force	9,211	9,192	9,201	9,288	9,359	9,289	9,403	9,361	9,342	9,339	9,424	9,495	9,440
Percent of population	67.9	67.6	67.4	67.8	68.2	67.4	68.1	67.6	67.2	67.0	67.4	67.7	67.0
Employed	8,452	8,549	8,581	8,531	8,619	8,543	8,579	8,541	8,564	8,595	8,672	8,691	8,769
Employment-population ratio ²	62.3	62.8	62.9	62.3	62.8	62.0	62.1	61.7	61.6	61.7	62.0	62.0	62.3
Unemployed	759	643	620	757	740	746	824	820	778	744	752	804	671
Unemployment rate	8.2	7.0	6.7	8.2	7.9	8.0	8.8	8.8	8.3	8.0	8.0	8.5	7.1

¹ The population figures are not adjusted for seasonal variation.

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

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

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

(In thousands)

Category	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
CHARACTERISTIC													
Total	116,640	116,757	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863
Married men, spouse present	40,794	40,880	40,976	40,857	40,932	41,025	41,067	40,723	40,649	40,839	40,886	41,041	40,982
Married women, spouse present	29,557	29,379	29,485	29,563	29,608	29,499	29,520	29,259	29,506	29,544	29,767	29,695	29,897
Women who maintain families	6,396	6,381	6,267	6,263	6,354	6,401	6,446	6,371	6,429	6,354	6,351	6,349	6,215
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,667	1,644	1,651	1,630	1,647	1,557	1,685	1,723	1,680	1,678	1,687	1,677	1,634
Self-employed workers	1,395	1,411	1,403	1,414	1,377	1,411	1,424	1,410	1,424	1,406	1,373	1,369	1,354
Unpaid family workers	177	146	137	126	127	126	127	133	132	124	122	125	107
Nonagricultural industries:													
Wage and salary workers	104,380	104,815	104,948	104,981	105,232	105,430	105,353	105,317	105,476	105,504	105,960	105,643	105,747
Government	17,346	17,318	17,376	17,266	17,305	17,328	17,501	17,559	17,613	17,595	17,681	17,728	17,626
Private industries	87,034	87,497	87,572	87,715	87,927	88,102	87,852	87,758	87,863	87,909	88,279	87,915	88,121
Private households	1,187	1,131	1,149	1,118	1,123	1,128	1,094	1,147	1,065	987	1,051	1,077	1,035
Other industries	85,847	86,366	86,423	86,597	86,804	86,974	86,758	86,611	86,798	86,922	87,228	86,838	87,086
Self-employed workers	8,681	8,541	8,631	8,643	8,573	8,578	8,602	8,621	8,581	8,610	8,528	8,653	8,733
Unpaid family workers	298	290	319	277	299	245	248	272	279	280	264	251	256
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,082	4,987	4,978	5,086	4,883	4,928	4,773	4,802	4,864	4,767	4,803	4,802	4,983
Slack work	2,328	2,314	2,283	2,346	2,314	2,315	2,301	2,281	2,321	2,314	2,297	2,277	2,402
Could only find part-time work	2,363	2,339	2,368	2,375	2,307	2,269	2,172	2,142	2,161	2,082	2,162	2,106	2,255
Voluntary part time	15,386	15,150	15,510	15,405	15,350	15,466	15,577	15,550	15,506	15,368	15,254	15,388	14,931
Nonagricultural industries:													
Part time for economic reasons	4,831	4,722	4,720	4,855	4,643	4,738	4,583	4,567	4,605	4,526	4,552	4,554	4,729
Slack work	2,168	2,129	2,095	2,198	2,137	2,183	2,164	2,129	2,165	2,166	2,132	2,111	2,240
Could only find part-time work	2,287	2,272	2,290	2,310	2,246	2,198	2,104	2,076	2,095	2,021	2,097	2,051	2,172
Voluntary part time	14,947	14,707	15,074	14,975	14,977	15,016	15,138	15,071	15,076	14,936	14,805	14,983	14,515

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	116,640	116,757	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888	117,863
16 to 24 years	19,776	19,835	19,969	19,892	19,748	19,889	19,781	19,813	19,489	19,487	19,482	19,298	19,309
16 to 19 years	6,725	6,736	6,797	6,808	6,709	6,783	6,704	6,814	6,706	6,763	6,760	6,686	6,631
16 to 17 years	2,593	2,587	2,633	2,629	2,597	2,557	2,465	2,574	2,571	2,645	2,598	2,518	2,501
18 to 19 years	4,133	4,163	4,176	4,177	4,115	4,199	4,233	4,236	4,149	4,130	4,152	4,161	4,132
20 to 24 years	13,051	13,099	13,172	13,084	13,039	13,106	13,077	12,999	12,783	12,724	12,722	12,612	12,678
25 years and over	96,849	96,898	97,039	97,150	97,353	97,643	97,726	97,809	97,946	98,122	98,345	98,594	98,547
25 to 54 years	81,928	82,064	82,165	82,229	82,458	82,704	82,821	83,064	83,170	83,316	83,594	83,680	83,690
55 years and over	14,871	14,802	14,899	14,918	14,938	14,878	14,914	14,780	14,825	14,818	14,784	14,849	14,805
Men, 16 years and over	63,784	64,008	64,293	64,206	64,202	64,577	64,440	64,400	64,150	64,513	64,482	64,618	64,420
16 to 24 years	10,217	10,368	10,457	10,364	10,249	10,372	10,291	10,275	10,070	10,211	10,123	10,128	10,091
16 to 19 years	3,366	3,442	3,510	3,490	3,428	3,505	3,525	3,539	3,421	3,487	3,449	3,464	3,444
16 to 17 years	1,275	1,317	1,363	1,336	1,315	1,305	1,288	1,372	1,280	1,357	1,329	1,308	1,298
18 to 19 years	2,105	2,139	2,161	2,149	2,090	2,187	2,245	2,159	2,138	2,134	2,140	2,153	2,149
20 to 24 years	6,851	6,926	6,947	6,874	6,821	6,867	6,766	6,736	6,649	6,724	6,674	6,664	6,647
25 years and over	53,537	53,626	53,817	53,827	53,933	54,197	54,182	54,171	54,095	54,302	54,362	54,494	54,335
25 to 54 years	44,984	45,085	45,253	45,196	45,388	45,568	45,603	45,708	45,696	45,829	45,938	46,048	45,832
55 years and over	8,558	8,536	8,584	8,610	8,539	8,576	8,583	8,462	8,439	8,488	8,432	8,441	8,509
Women, 16 years and over	52,876	52,749	52,754	52,878	52,930	52,965	52,996	53,150	53,269	53,072	53,354	53,270	53,443
16 to 24 years	9,559	9,467	9,512	9,528	9,499	9,517	9,490	9,538	9,419	9,276	9,359	9,170	9,218
16 to 19 years	3,359	3,294	3,287	3,318	3,281	3,278	3,179	3,275	3,285	3,276	3,311	3,222	3,187
16 to 17 years	1,318	1,270	1,270	1,293	1,282	1,252	1,177	1,202	1,291	1,288	1,269	1,210	1,203
18 to 19 years	2,028	2,024	2,015	2,028	2,025	2,012	1,988	2,077	2,011	1,996	2,012	2,008	1,983
20 to 24 years	6,200	6,173	6,225	6,210	6,218	6,239	6,311	6,263	6,134	6,000	6,048	5,948	6,030
25 years and over	43,312	43,272	43,222	43,323	43,420	43,446	43,544	43,638	43,851	43,820	43,983	44,100	44,212
25 to 54 years	36,944	36,979	36,912	37,033	37,070	37,136	37,218	37,356	37,474	37,487	37,656	37,632	37,859
55 years and over	6,313	6,266	6,315	6,308	6,399	6,302	6,331	6,318	6,386	6,330	6,352	6,408	6,296

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

(In thousands)

Sex and age	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	6,625	6,360	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658	6,535
16 to 24 years	2,597	2,343	2,231	2,367	2,312	2,485	2,419	2,437	2,426	2,428	2,472	2,428	2,299
16 to 19 years	1,294	1,172	1,104	1,160	1,187	1,235	1,188	1,187	1,188	1,186	1,220	1,203	1,121
16 to 17 years	563	552	494	496	516	540	530	545	534	536	548	558	434
18 to 19 years	732	603	616	661	684	719	638	623	684	645	665	645	683
20 to 24 years	1,303	1,171	1,127	1,207	1,125	1,250	1,231	1,250	1,238	1,242	1,252	1,225	1,178
25 years and over	4,073	4,026	3,981	4,159	4,060	4,054	4,106	4,069	4,197	4,144	4,188	4,242	4,279
25 to 54 years	3,629	3,569	3,558	3,731	3,637	3,546	3,629	3,568	3,701	3,652	3,688	3,744	3,780
55 years and over	462	459	419	454	453	507	480	473	465	464	496	494	525
Men, 16 years and over	3,640	3,504	3,286	3,566	3,429	3,464	3,427	3,485	3,679	3,553	3,624	3,582	3,597
16 to 24 years	1,459	1,302	1,165	1,260	1,260	1,332	1,263	1,330	1,361	1,349	1,380	1,361	1,267
16 to 19 years	753	677	601	644	668	662	606	629	637	661	690	665	614
16 to 17 years	317	304	269	284	302	316	279	295	311	308	312	319	214
18 to 19 years	438	368	340	360	371	347	309	325	340	353	382	346	397
20 to 24 years	706	625	564	616	592	670	657	701	724	688	690	696	653
25 years and over	2,225	2,212	2,138	2,298	2,118	2,102	2,132	2,143	2,313	2,214	2,258	2,238	2,373
25 to 54 years	1,976	1,933	1,890	2,038	1,863	1,815	1,858	1,821	1,978	1,919	1,967	1,917	2,079
55 years and over	261	290	250	282	265	275	278	293	310	280	303	314	313
Women, 16 years and over	2,985	2,856	2,912	2,965	2,990	3,105	3,150	3,035	2,925	3,010	3,028	3,076	2,938
16 to 24 years	1,138	1,041	1,066	1,107	1,052	1,153	1,156	1,107	1,065	1,079	1,092	1,067	1,032
16 to 19 years	541	495	503	516	519	573	582	558	551	525	530	538	507
16 to 17 years	246	248	225	212	214	224	251	250	223	228	236	239	220
18 to 19 years	294	235	276	301	313	372	329	298	344	292	283	299	286
20 to 24 years	597	546	563	591	533	580	574	549	514	554	562	529	525
25 years and over	1,848	1,814	1,843	1,861	1,942	1,952	1,974	1,926	1,884	1,930	1,930	2,004	1,906
25 to 54 years	1,653	1,636	1,668	1,693	1,774	1,731	1,771	1,747	1,723	1,733	1,721	1,827	1,701
55 years and over	201	169	169	172	188	232	202	180	155	184	193	180	212

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
Total, 16 years and over	5.4	5.2	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
16 to 24 years	11.6	10.6	10.0	10.6	10.5	11.1	10.9	11.0	11.1	11.1	11.3	11.2	10.6
16 to 19 years	16.1	14.8	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5
16 to 17 years	17.8	17.6	15.8	15.9	16.6	17.4	17.7	17.5	17.2	16.9	17.4	18.1	14.8
18 to 19 years	15.0	12.7	12.9	13.7	14.3	14.6	13.1	12.8	14.2	13.5	13.8	13.4	14.2
20 to 24 years	9.1	8.2	7.9	8.4	7.9	8.7	8.6	8.8	8.8	8.9	9.0	8.9	8.5
25 years and over	4.0	4.0	3.9	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.2
25 to 54 years	4.2	4.2	4.2	4.3	4.2	4.1	4.2	4.1	4.3	4.2	4.2	4.3	4.3
55 years and over	3.0	3.0	2.7	3.0	2.9	3.3	3.1	3.1	3.0	3.0	3.2	3.2	3.4
Men, 16 years and over	5.4	5.2	4.9	5.3	5.1	5.1	5.0	5.1	5.4	5.2	5.3	5.3	5.3
16 to 24 years	12.5	11.2	10.0	10.8	10.9	11.4	10.9	11.5	11.9	11.7	12.0	11.8	11.2
16 to 19 years	18.3	16.4	14.6	15.6	16.3	15.9	14.7	15.1	15.7	15.9	16.7	16.1	15.1
16 to 17 years	19.9	18.8	16.5	17.5	18.7	19.5	17.8	17.7	19.5	18.5	19.0	19.6	14.2
18 to 19 years	17.2	14.7	13.6	14.3	15.1	13.7	12.1	13.1	13.7	14.2	15.1	13.8	15.6
20 to 24 years	9.3	8.3	7.5	8.2	8.0	8.9	8.9	9.4	9.8	9.3	9.4	9.5	8.9
25 years and over	4.0	4.0	3.8	4.1	3.8	3.7	3.8	3.8	4.1	3.9	4.0	3.9	4.2
25 to 54 years	4.2	4.1	4.0	4.3	3.9	3.8	3.9	3.8	4.1	4.0	4.1	4.0	4.3
55 years and over	3.0	3.3	2.8	3.2	3.0	3.1	3.1	3.3	3.5	3.2	3.5	3.6	3.6
Women, 16 years and over	5.3	5.1	5.2	5.3	5.3	5.5	5.6	5.4	5.2	5.4	5.4	5.5	5.2
16 to 24 years	10.6	9.9	10.1	10.4	10.0	10.8	10.9	10.4	10.2	10.4	10.4	10.4	10.1
16 to 19 years	13.9	13.1	13.3	13.5	13.7	14.9	15.5	14.6	14.4	13.8	13.8	14.3	13.7
16 to 17 years	15.7	16.3	15.1	14.1	14.3	15.2	17.6	17.2	14.7	15.0	15.7	16.5	15.5
18 to 19 years	12.7	10.4	12.0	12.9	13.4	15.6	14.2	12.5	14.6	12.8	12.3	13.0	12.6
20 to 24 years	8.8	8.1	8.3	8.7	7.9	8.5	8.3	8.1	7.7	8.5	8.5	8.2	8.0
25 years and over	4.1	4.0	4.1	4.1	4.3	4.3	4.3	4.2	4.1	4.2	4.2	4.3	4.1
25 to 54 years	4.3	4.2	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.6	4.3
55 years and over	3.1	2.6	2.6	2.7	2.9	3.6	3.1	2.8	2.4	2.8	2.9	2.7	3.3

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
CHARACTERISTIC													
Total (all civilian workers)	5.4	5.2	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Men, 20 years and over	4.6	4.5	4.2	4.6	4.3	4.4	4.4	4.5	4.8	4.5	4.6	4.6	4.7
Women, 20 years and over	4.7	4.6	4.6	4.7	4.7	4.8	4.9	4.7	4.5	4.8	4.8	4.8	4.6
Both sexes, 16 to 19 years	16.1	14.8	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2	14.5
White	4.6	4.3	4.3	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5
Black and other	10.5	10.3	9.8	9.7	9.6	10.2	9.6	9.7	10.2	10.2	10.3	10.2	10.1
Black	11.7	11.6	11.0	11.0	11.1	11.8	11.0	11.2	11.7	11.7	11.9	11.8	11.3
Hispanic origin	8.2	7.0	6.7	8.2	7.9	8.0	8.8	8.8	8.3	8.0	8.0	8.5	7.1
Married men, spouse present	3.1	3.0	2.9	3.2	2.9	2.9	3.0	3.1	3.3	3.0	3.1	3.0	3.4
Married women, spouse present	3.7	3.4	3.5	4.0	3.8	3.8	3.8	3.9	3.8	3.9	3.8	3.9	3.7
Women who maintain families	7.9	8.0	7.9	7.8	8.2	7.9	8.5	8.0	7.7	7.8	8.2	8.1	7.5
Full-time workers	5.0	4.8	4.8	5.0	4.9	4.9	5.0	4.9	5.0	4.9	5.0	5.0	5.0
Part-time workers	7.7	7.2	6.4	7.2	6.9	7.7	7.2	7.1	7.3	7.1	7.4	7.5	7.0
Unemployed 15 weeks and over ¹	1.2	1.1	1.1	1.1	1.1	1.0	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Labor force time lost ²	6.1	6.0	5.9	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	6.0	6.0
INDUSTRY													
Nonagricultural private wage and salary workers	5.5	5.2	5.1	5.3	5.2	5.3	5.4	5.4	5.4	5.3	5.4	5.4	5.5
Goods-producing industries	6.3	6.1	6.0	6.0	5.9	6.2	6.2	6.3	6.3	6.2	6.3	6.5	6.7
Mining	6.2	7.6	7.0	5.8	4.6	3.9	5.8	6.4	8.4	4.8	6.2	4.4	6.8
Construction	10.3	10.0	9.6	9.8	9.5	10.0	10.3	10.2	10.1	9.3	9.8	9.8	9.3
Manufacturing	5.2	4.9	4.8	5.0	4.9	5.1	5.1	5.2	5.2	5.4	5.4	5.6	5.9
Durable goods	4.8	4.5	4.6	4.7	4.6	4.6	4.7	4.9	4.9	5.2	5.4	5.4	5.8
Nondurable goods	5.6	5.5	5.1	5.3	5.5	5.8	5.6	5.7	5.5	5.6	5.3	5.9	5.9
Service-producing industries	5.2	4.8	4.8	5.0	4.9	4.9	5.0	4.9	5.0	4.9	5.0	4.9	5.0
Transportation and public utilities	3.9	3.9	3.9	3.9	4.0	4.1	4.1	3.7	4.5	3.9	3.6	3.4	4.3
Wholesale and retail trade	6.4	5.7	5.7	5.9	5.6	6.0	6.1	6.0	5.9	5.9	6.4	6.3	6.2
Finance and service industries	4.6	4.3	4.3	4.6	4.6	4.3	4.4	4.4	4.5	4.3	4.3	4.2	4.3
Government workers	2.7	2.7	2.7	2.7	2.9	2.9	2.8	2.7	2.8	2.7	2.7	2.6	2.4
Agricultural wage and salary workers	9.5	9.1	8.9	9.8	9.9	10.4	8.9	9.0	7.8	9.8	12.1	9.7	9.2

¹ Unemployment as a percent of the civilian labor force.

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
DURATION													
Less than 5 weeks	3,140	3,212	3,072	3,113	3,070	3,279	3,156	3,125	3,169	3,166	3,258	3,302	3,119
5 to 14 weeks	1,998	1,894	1,849	2,006	1,993	2,006	1,965	2,002	2,030	1,995	1,991	2,013	2,012
15 weeks and over	1,499	1,300	1,335	1,391	1,331	1,295	1,461	1,338	1,359	1,378	1,422	1,362	1,430
15 to 26 weeks	761	660	672	667	711	684	838	759	769	743	765	730	777
27 weeks and over	738	640	663	724	620	611	623	579	590	635	657	632	653
Average (mean) duration, in weeks	12.6	12.3	12.4	12.6	11.9	11.2	11.9	11.4	11.5	11.7	11.6	11.5	12.1
Median duration, in weeks	5.6	5.4	5.5	5.4	5.3	5.4	5.4	5.0	5.0	5.0	4.8	4.8	5.1
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	47.3	50.1	49.1	47.8	48.0	49.8	47.9	48.3	48.3	48.4	48.8	49.5	47.5
5 to 14 weeks	30.1	29.6	29.6	30.8	31.2	30.5	29.9	31.0	31.0	30.5	29.8	30.1	30.7
15 weeks and over	22.6	20.3	21.3	21.4	20.8	19.7	22.2	20.7	20.7	21.1	21.3	20.4	21.8
15 to 26 weeks	11.5	10.3	10.7	10.2	11.1	10.4	12.7	11.7	11.7	11.4	11.5	10.9	11.8
27 weeks and over	11.1	10.0	10.6	11.1	9.7	9.3	9.5	9.0	9.0	9.7	9.8	9.5	9.9

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

(Numbers in thousands)

Reasons for unemployment	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.
NUMBER OF UNEMPLOYED													
Job losers	3,088	2,879	2,852	2,932	2,798	2,820	2,916	2,964	2,932	2,979	3,092	3,097	3,183
On layoff	813	783	806	833	805	813	829	865	852	780	969	957	1,033
Other job losers	2,275	2,096	2,046	2,099	1,993	2,007	2,087	2,099	2,080	2,199	2,123	2,140	2,150
Job leavers	973	980	902	985	1,103	1,021	1,016	1,031	1,034	994	1,049	1,055	1,016
Reentrants	1,827	1,767	1,774	1,882	1,853	1,993	1,901	1,772	1,920	1,890	1,845	1,853	1,730
New entrants	768	757	713	692	696	726	723	643	648	685	695	686	640
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	46.4	45.1	45.7	45.2	43.4	43.0	44.5	46.2	44.9	45.5	46.3	46.3	48.5
On layoff	12.2	12.3	12.9	12.8	12.5	12.4	12.6	13.5	13.0	11.9	14.5	14.3	15.7
Other job losers	34.2	32.8	32.8	32.3	30.9	30.6	31.8	32.7	31.8	33.6	31.8	32.0	32.7
Job leavers	14.6	15.4	14.5	15.2	17.1	15.6	15.5	16.1	15.8	15.2	15.7	15.8	15.5
Reentrants	27.4	27.7	28.4	29.0	28.7	30.4	29.0	27.6	29.4	28.9	27.6	27.7	26.3
New entrants	11.5	11.9	11.4	10.7	10.8	11.1	11.0	10.0	9.9	10.5	10.4	10.3	9.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.5	2.3	2.3	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.6
Job leavers .....	.8	.8	.7	.8	.9	.8	.8	.8	.8	.8	.8	.8	.8
Reentrants	1.5	1.4	1.4	1.5	1.5	1.6	1.5	1.4	1.5	1.5	1.5	1.5	1.4
New entrants .....	.6	.6	.6	.6	.6	.6	.6	.5	.5	.6	.6	.6	.5

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonagricultural payrolls by major industry, 1938 to date

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing						Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal	State	Local
Annual averages															
1938	29,194	25,311	11,401	891	1,070	9,440	17,793	2,863	(¹)	(¹)	1,410	3,458	(¹)	(¹)	(¹)
1939	30,603	26,608	12,297	854	1,165	10,278	18,306	2,936	1,762	4,664	1,447	3,502	905	(¹)	(¹)
1940	32,361	28,159	13,221	925	1,311	10,985	19,140	3,038	1,835	4,914	1,485	3,665	996	(¹)	(¹)
1941	36,539	31,877	15,963	957	1,814	13,192	20,574	3,274	1,960	5,251	1,525	3,905	1,340	(¹)	(¹)
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,906	5,212	1,509	4,066	2,213	(¹)	(¹)
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,822	5,160	1,481	4,130	2,905	(¹)	(¹)
1944	41,864	35,822	19,328	892	1,108	17,328	22,536	3,829	1,845	5,214	1,461	4,145	2,928	(¹)	(¹)
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,949	5,365	1,481	4,222	2,808	(¹)	(¹)
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,291	6,084	1,675	4,697	2,254	(¹)	(¹)
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,471	6,485	1,728	5,025	1,892	(¹)	(¹)
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,605	6,667	1,800	5,181	1,863	(¹)	(¹)
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,602	6,662	1,828	5,240	1,908	(¹)	(¹)
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,635	6,751	1,888	5,357	1,928	(¹)	(¹)
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,727	7,015	1,956	5,547	2,302	(¹)	(¹)
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,812	7,192	2,035	5,699	2,420	(¹)	(¹)
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,854	7,393	2,111	5,835	2,305	(¹)	(¹)
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,867	7,368	2,200	5,969	2,188	(¹)	(¹)
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,926	7,610	2,298	6,240	2,187	1,168	3,558
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,018	7,840	2,389	6,497	2,209	1,250	3,819
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,028	7,858	2,438	6,708	2,217	1,328	4,071
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,980	7,770	2,481	6,765	2,191	1,415	4,232
1959 ²	53,268	45,186	20,411	732	3,004	16,675	32,857	4,011	3,082	8,045	2,549	7,087	2,233	1,484	4,366
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,143	8,248	2,629	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,133	8,204	2,688	7,620	2,279	1,607	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,198	8,368	2,754	7,982	2,340	1,668	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,248	8,530	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,337	8,823	2,911	8,660	2,348	1,856	5,392
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,466	9,250	2,977	9,036	2,378	1,996	5,700
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,597	9,648	3,058	9,498	2,564	2,141	6,080
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,689	9,917	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,779	10,320	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,907	10,798	3,512	11,169	2,758	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	3,993	11,047	3,645	11,548	2,731	2,664	7,158
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,001	11,351	3,772	11,797	2,696	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,113	11,836	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,277	12,329	4,046	12,857	2,663	2,923	8,146
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,433	12,554	4,148	13,441	2,724	3,039	8,407
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,415	12,645	4,165	13,892	2,748	3,179	8,758
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,546	13,209	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,708	13,808	4,467	15,303	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,969	14,573	4,724	16,252	2,753	3,474	9,446
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,204	14,989	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,275	15,035	5,160	17,890	2,866	3,610	9,765
1981	91,156	75,126	25,497	1,139	4,188	20,170	65,659	5,165	5,358	15,189	5,298	18,619	2,772	3,640	9,619
1982	89,566	73,729	23,813	1,128	3,905	18,781	65,753	5,082	5,278	15,179	5,341	19,036	2,739	3,640	9,458
1983	90,200	74,330	23,334	952	3,948	18,434	66,866	4,954	5,268	15,613	5,468	19,694	2,774	3,662	9,434
1984	94,496	78,472	24,727	966	4,383	19,378	69,769	5,159	5,555	16,545	5,689	20,797	2,807	3,734	9,482
1985	97,519	81,125	24,859	927	4,673	19,260	72,660	5,238	5,717	17,356	5,955	22,000	2,875	3,832	9,687
1986	99,525	82,832	24,558	777	4,816	18,965	74,967	5,255	5,753	17,930	6,283	23,053	2,899	3,893	9,901
1987	102,200	85,190	24,708	717	4,967	19,024	77,492	5,372	5,844	18,483	6,547	24,236	2,943	3,967	10,100
1988	105,584	88,212	25,249	721	5,125	19,403	80,335	5,548	6,029	19,110	6,676	25,600	2,971	4,063	10,339
1989 ^p	108,579	90,852	25,634	722	5,300	19,612	82,945	5,705	6,234	19,574	6,814	26,892	2,988	4,134	10,605
Monthly data, seasonally adjusted															
1989:															
January	107,442	89,897	25,626	711	5,267	19,648	81,816	5,654	6,146	19,407	6,746	26,318	2,978	4,084	10,483
February	107,711	90,124	25,629	711	5,270	19,648	82,082	5,667	6,171	19,460	6,763	26,434	2,982	4,095	10,510
March	107,888	90,291	25,646	714	5,252	19,680	82,242	5,666	6,197	19,488	6,774	26,520	2,982	4,102	10,513
April	108,101	90,475	25,671	720	5,279	19,672	82,430	5,682	6,206	19,489	6,776	26,651	2,982	4,111	10,533
May	108,310	90,623	25,672	722	5,283	19,667	82,638	5,700	6,222	19,528	6,790	26,711	2,999	4,119	10,569
June	108,607	90,884	25,648	715	5,283	19,650	82,959	5,716	6,230	19,551	6,808	26,931	2,995	4,136	10,592
July	108,767	91,016	25,669	706	5,314	19,649	83,098	5,736	6,237	19,586	6,815	26,973	3,000	4,145	10,606
August	108,887	91,083	25,694	729	5,321	19,644	83,193	5,618	6,256	19,621	6,836	27,058	2,999	4,154	10,651
September	109,096	91,230	25,614	730	5,325	19,559	83,482	5,709	6,264	19,632	6,852	27,159	2,996	4,182	10,688
October	109,171	91,328	25,603	731	5,335	19,537	83,568	5,729	6,278	19,679	6,851	27,188	2,984	4,153	10,706
November	109,452	91,622	25,609	737	5,355	19,517	83,843	5,753	6,300	19,744	6,871	27,345	2,982	4,162	10,686
December ^p	109,548	91,685	25,533	739	5,305	19,489	84,015	5,832	6,308	19,714	6,882	27,416	2,972	4,157	10,734
1990:															
January ^p	109,823	91,962	25,526	740	5,409	19,377	84,297	5,859	6,332	19,831	6,892	27,522	2,984	4,145	10,732

¹ Not available.

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

^p = preliminary.

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

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Total		107,917	105,915	110,390	110,391	108,265	-	-	-	-	-
Total private		90,098	88,380	92,158	92,216	90,416	73,029	71,336	74,695	74,720	72,944
Mining		714	702	744	740	728	513	501	540	534	521
Metal mining	10	55.7	56.5	63.8	63.8	-	43.5	44.2	50.7	50.8	-
Iron ores	101	8.8	8.8	9.3	9.4	-	7.2	7.2	7.6	7.7	-
Copper ores	102	13.7	13.9	14.3	14.4	-	10.6	10.8	11.6	11.7	-
Coal mining	11,12	147.6	146.9	144.9	143.8	-	120.9	120.2	118.7	117.3	-
Bituminous coal and lignite mining	12	145.4	144.7	142.5	141.4	-	119.0	118.3	116.7	115.2	-
Oil and gas extraction	13	398.7	393.5	418.5	420.2	416.8	263.2	258.2	281.1	281.5	-
Crude petroleum, natural gas, and natural gas liquids	131,2	198.1	197.8	194.0	195.3	-	98.6	98.5	93.9	94.0	-
Oil and gas field services	138	200.6	195.7	224.5	224.9	-	164.6	159.7	187.2	187.5	-
Nonmetallic minerals, except fuels	14	111.5	105.5	116.8	111.7	-	84.9	78.6	89.3	84.4	-
Crushed and broken stone	142	40.4	37.4	42.1	39.8	-	31.5	28.4	33.2	30.8	-
Sand and gravel	144	34.0	31.1	36.6	33.9	-	-	-	-	-	-
Chemical and fertilizer minerals	147	17.5	17.7	17.9	17.9	-	-	-	-	-	-
Construction		5,148	4,841	5,494	5,241	4,971	4,008	3,704	4,307	4,052	3,798
General building contractors	15	1,380.3	1,317.2	1,425.7	1,389.5	1,330.9	1,009.2	944.9	1,040.9	1,003.0	-
Residential building construction	152	736.0	707.2	764.9	746.1	-	525.6	494.3	545.5	525.8	-
Operative builders	153	47.5	45.8	44.7	44.6	-	21.3	20.3	19.3	19.0	-
Nonresidential building construction	154	596.8	564.2	616.1	598.8	-	462.3	430.3	476.1	458.2	-
Heavy construction contractors	16	749.5	667.0	854.5	777.4	-	620.6	539.5	718.2	642.5	-
Highway and street construction	161	227.7	183.2	264.5	214.0	-	183.5	139.9	219.3	170.2	-
Heavy construction, except highway	162	521.8	483.8	590.0	563.4	-	437.1	399.6	498.9	472.3	-
Special trade contractors	17	3,018.0	2,856.6	3,214.2	3,074.1	-	2,378.0	2,219.1	2,547.6	2,406.9	-
Plumbing, heating, and air conditioning	171	672.8	655.5	681.8	677.4	-	499.8	482.8	505.4	500.3	-
Painting, paper hanging, and decorating	172	170.4	158.7	187.1	178.9	-	142.6	129.9	157.3	149.5	-
Electrical work	173	561.0	545.1	574.4	575.3	-	436.6	420.0	446.5	446.8	-
Masonry, stonework, and plastering	174	493.5	465.3	538.9	500.7	-	423.6	396.2	464.2	427.4	-
Carpentering and flooring	175	193.8	187.5	199.9	194.7	-	148.8	144.0	154.8	149.2	-
Roofing and sheet metal work	176	213.5	196.2	236.9	218.5	-	169.7	153.3	191.0	173.3	-
Manufacturing		19,625	19,516	19,610	19,530	19,251	13,420	13,312	13,365	13,289	13,039
Durable goods		11,601	11,547	11,492	11,453	11,259	7,765	7,713	7,646	7,613	7,436
Lumber and wood products	24	769.7	759.8	767.0	757.8	747.2	639.6	630.0	634.3	625.4	616.3
Logging camps and logging contractors	241	92.0	86.9	98.4	93.2	-	76.3	71.7	81.0	76.6	-
Sawmills and planing mills	242	209.5	207.9	207.1	206.9	-	183.7	181.8	180.7	180.2	-
Sawmills and planing mills, general	2421	170.6	169.0	168.7	168.4	-	149.6	147.9	147.3	146.8	-
Hardwood dimension and flooring	2426	35.3	35.4	34.9	35.2	-	31.0	31.0	30.5	30.7	-
Millwork, plywood, and structural members	243	268.5	266.7	265.3	263.6	-	219.4	217.8	215.6	213.9	-
Millwork	2431	105.1	105.4	103.1	103.0	-	84.2	84.5	81.8	81.8	-
Wood kitchen cabinets	2434	72.7	71.7	71.6	71.6	-	57.9	57.1	57.0	56.9	-
Hardwood veneer and plywood	2435	24.4	24.4	24.1	23.6	-	21.2	21.2	20.8	20.4	-
Softwood veneer and plywood	2436	37.6	37.2	36.6	36.7	-	33.8	33.4	32.9	33.0	-
Wood containers	244	42.2	42.1	41.8	40.8	-	35.8	35.5	35.2	34.1	-
Wood buildings and mobile homes	245	70.9	69.4	69.9	68.5	-	53.6	52.3	53.3	52.0	-
Mobile homes	2451	47.2	47.0	49.2	48.5	-	38.5	38.1	39.9	39.4	-
Miscellaneous wood products	249	86.6	86.8	84.5	84.8	-	70.8	70.9	68.5	68.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^b	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^b
Durable goods—Continued											
Furniture and fixtures	25	537.3	533.8	530.8	528.7	522.5	431.2	428.0	422.5	421.0	414.9
Household furniture	251	313.8	311.9	306.9	305.8	-	266.5	264.9	258.3	257.6	-
Wood household furniture	2511	140.2	138.9	136.6	135.9	-	122.8	121.7	118.9	118.1	-
Upholstered household furniture	2512	101.6	101.3	101.7	101.7	-	85.5	85.1	84.8	85.1	-
Metal household furniture	2514	28.1	28.7	24.4	25.1	-	23.0	23.6	19.5	20.2	-
Mattresses and bedspings	2515	29.9	29.7	29.5	29.2	-	23.2	23.0	22.5	22.3	-
Office furniture	252	70.8	70.2	68.8	69.1	-	53.6	53.1	51.3	51.4	-
Public building and related furniture	253	34.4	34.4	34.0	34.3	-	27.1	26.9	26.6	26.9	-
Partitions and fixtures	254	79.4	79.1	82.0	80.7	-	57.9	57.4	59.6	58.5	-
Miscellaneous furniture and fixtures	259	38.9	38.2	39.1	38.8	-	26.1	25.7	26.7	26.6	-
Stone, clay, and glass products	32	600.6	586.7	606.0	593.6	581.2	466.2	453.7	471.2	459.3	448.6
Flat glass	321	16.5	16.3	16.0	16.2	-	13.2	13.1	12.7	13.0	-
Glass and glassware, pressed or blown	322	83.9	83.4	84.5	83.1	-	72.5	72.0	73.2	71.8	-
Glass containers	3221	42.2	41.9	42.6	42.1	-	38.2	37.9	38.7	38.2	-
Pressed and blown glass, nec	3229	41.7	41.5	41.9	41.0	-	34.3	34.1	34.5	33.6	-
Products of purchased glass	323	55.9	55.3	55.9	55.6	-	42.9	42.5	42.9	42.5	-
Cement, hydraulic	324	19.5	19.1	19.3	19.2	-	14.9	14.4	14.7	14.7	-
Structural clay products	325	38.8	38.0	37.5	36.8	-	30.5	29.6	28.9	28.3	-
Pottery and related products	326	38.5	38.2	39.1	38.8	-	30.9	30.5	31.4	30.9	-
Concrete, gypsum, and plaster products	327	211.4	201.8	218.0	208.3	-	160.8	152.6	167.4	158.1	-
Concrete block and brick	3271	20.2	18.5	19.2	18.4	-	13.0	11.8	12.4	11.9	-
Concrete products, nec	3272	72.8	71.4	75.6	74.2	-	55.0	54.0	57.2	55.9	-
Ready-mixed concrete	3273	98.4	92.0	103.4	95.9	-	77.4	71.5	82.5	75.0	-
Misc. nonmetallic mineral products	329	121.4	120.5	120.5	120.4	-	89.2	88.3	88.4	88.5	-
Abrasive products	3291	22.6	22.6	22.5	22.6	-	16.0	15.9	15.9	16.1	-
Asbestos products	3292	8.9	8.9	8.8	8.8	-	6.7	6.6	6.6	6.6	-
Mineral wool	3296	27.1	26.6	27.2	27.0	-	-	-	-	-	-
Primary metal industries	33	786.6	787.4	772.6	772.5	767.6	604.2	604.1	587.3	587.4	582.3
Blast furnaces and basic steel products	331	276.1	276.4	267.8	270.2	268.2	214.1	214.4	205.2	207.0	204.7
Blast furnaces and steel mills	3312	207.2	207.6	202.4	203.6	-	162.1	162.5	156.7	157.4	-
Steel pipe and tubes	3317	24.8	25.0	23.8	24.2	-	18.9	18.9	17.7	18.1	-
Iron and steel foundries	332	145.2	145.2	142.4	140.8	-	117.1	117.0	114.1	112.6	-
Gray iron foundries	3321	88.8	88.4	86.7	85.5	-	72.9	72.5	71.2	69.8	-
Malleable iron foundries	3322	9.7	9.8	8.7	8.8	-	7.4	7.4	6.7	6.8	-
Steel foundries, nec	3325	31.1	31.5	30.8	30.5	-	24.5	24.8	24.0	23.9	-
Primary nonferrous metals	333	45.4	45.5	44.6	45.6	-	34.0	34.1	32.9	33.9	-
Primary aluminum	3334	27.1	27.1	25.9	26.9	-	20.8	20.9	19.6	20.5	-
Nonferrous rolling and drawing	335	182.4	182.2	181.9	180.1	-	131.1	130.5	130.2	128.9	-
Copper rolling and drawing	3351	23.4	23.5	23.2	23.1	-	18.1	17.9	17.6	17.6	-
Aluminum sheet, plate, and foil	3353	28.3	28.4	28.4	28.3	-	19.1	19.2	18.8	18.8	-
Nonferrous wire drawing and insulating	3357	78.5	78.1	77.9	76.5	-	57.6	57.1	57.0	55.7	-
Nonferrous foundries	336	91.0	91.3	89.2	89.4	-	73.4	73.4	70.6	70.9	-
Aluminum foundries	3361	55.1	55.2	51.9	52.0	-	45.1	45.1	41.8	41.9	-
Fabricated metal products	34	1,457.7	1,453.8	1,439.0	1,435.3	1,406.7	1,087.9	1,084.7	1,064.9	1,062.3	1,035.6
Metal cans and shipping containers	341	51.6	51.8	52.3	51.6	-	44.3	44.6	45.2	44.2	-
Metal cans	3411	41.0	41.2	41.4	40.7	-	35.6	35.9	36.1	35.2	-
Cutlery, hand tools, and hardware	342	138.9	138.5	133.6	133.5	-	103.0	102.6	98.3	98.7	-
Hand and edge tools, and hand saws and blades	3423,5	47.0	46.8	46.0	46.1	-	34.2	34.2	34.0	34.1	-
Hardware, nec	3429	80.6	80.6	75.9	75.5	-	61.0	60.8	56.2	56.3	-
Plumbing and heating, except electric	343	61.5	60.9	61.5	61.2	-	45.0	44.4	44.5	44.1	-
Plumbing fittings and brass goods	3432	25.6	25.6	25.5	25.5	-	18.9	19.1	18.8	18.8	-
Heating equipment, except electric	3433	22.8	22.1	23.4	23.1	-	16.1	15.1	16.2	15.8	-
Fabricated structural metal products	344	436.8	433.7	435.8	433.9	-	313.6	311.4	310.4	308.4	-
Fabricated structural metal	3441	79.1	79.1	79.5	79.8	-	57.6	57.4	56.8	57.2	-
Metal doors, sash, and trim	3442	81.6	81.1	82.2	80.8	-	59.4	59.2	60.0	58.7	-
Fabricated plate work (boiler shops)	3443	107.1	106.8	108.2	107.7	-	72.7	72.4	72.7	72.2	-
Sheet metal work	3444	101.0	99.7	99.4	99.5	-	75.4	74.6	74.2	74.4	-
Architectural metal work	3446	34.3	34.0	33.3	33.0	-	25.6	25.4	24.0	23.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^b	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^b
Durable goods—Continued											
Fabricated metal products—Continued											
Screw machine products, bolts, etc	345	102.2	101.9	100.3	100.2	-	78.3	78.1	77.0	77.1	-
Screw machine products	3451	50.8	50.7	49.4	49.4	-	41.6	41.5	40.4	40.5	-
Bolts, nuts, rivets, and washers	3452	51.4	51.2	50.9	50.8	-	36.7	36.6	36.6	36.6	-
Metal forgings and stampings	346	237.5	237.8	229.5	228.6	-	189.9	190.3	181.6	180.5	-
Iron and steel forgings	3462	33.2	33.6	32.4	32.7	-	25.6	26.0	25.0	25.2	-
Automotive stampings	3465	107.1	107.3	100.8	100.4	-	90.7	90.9	84.0	83.8	-
Metal stampings, nec	3469	84.6	84.5	83.7	83.0	-	64.2	64.2	63.2	62.5	-
Metal services, nec	347	127.4	127.2	130.0	130.0	-	102.2	101.7	102.7	102.9	-
Plating and polishing	3471	82.7	82.4	84.4	84.2	-	66.8	66.3	67.4	67.4	-
Metal coating and allied services	3479	44.7	44.8	45.6	45.8	-	35.4	35.4	35.3	35.5	-
Ordnance and accessories, nec	348	74.5	74.7	69.9	69.8	-	46.3	46.2	42.9	42.9	-
Ammunition, except for small arms, nec	3483	41.2	41.7	38.6	38.5	-	22.8	23.1	20.9	20.8	-
Misc. fabricated metal products	349	227.3	227.3	226.1	226.5	-	165.3	165.4	162.3	163.5	-
Valves and pipe fittings	3494	77.7	78.0	77.8	78.2	-	52.1	52.4	51.7	52.0	-
Misc. fabricated wire products	3496	55.3	55.8	56.4	56.2	-	42.5	42.9	42.4	42.7	-
Machinery, except electrical	35	2,130.0	2,133.6	2,144.0	2,150.8	2,144.3	1,289.0	1,293.6	1,299.5	1,305.3	1,301.5
Engines and turbines	351	97.5	97.7	97.8	98.1	-	64.7	64.6	63.6	63.7	-
Turbines and turbine generator sets	3511	26.3	26.5	29.3	29.4	-	15.6	15.5	17.0	17.0	-
Internal combustion engines, nec	3519	71.2	71.2	68.5	68.7	-	49.1	49.1	46.6	46.7	-
Farm and garden machinery	352	106.9	108.2	112.7	115.9	-	77.4	78.5	82.6	85.7	-
Farm machinery and equipment	3523	77.2	77.8	80.7	81.5	-	53.8	54.3	57.1	57.8	-
Construction and related machinery	353	231.4	232.4	238.5	240.0	-	142.3	143.1	145.8	147.5	-
Construction machinery	3531	83.3	84.1	86.1	86.3	-	52.0	52.3	53.2	53.3	-
Mining machinery	3532	16.4	16.6	16.7	16.8	-	10.0	10.1	10.3	10.4	-
Oil field machinery	3533	42.5	42.2	42.0	42.4	-	25.4	25.2	24.5	24.9	-
Conveyors and conveying equipment	3535	34.9	34.9	36.5	37.1	-	19.1	19.3	19.7	20.3	-
Industrial trucks and tractors	3537	27.6	27.8	29.2	29.3	-	19.1	19.2	19.9	20.0	-
Metalworking machinery	354	328.0	329.8	335.8	336.6	-	237.3	239.0	241.8	242.8	-
Machine tools, metal cutting types	3541	51.5	51.7	53.9	53.7	-	33.4	33.6	34.9	34.8	-
Machine tools, metal forming types	3542	19.1	19.1	19.8	19.8	-	12.5	12.6	12.6	12.6	-
Special dies, tools, jigs, and fixtures	3544	155.4	156.1	158.8	159.4	-	119.9	120.7	123.0	123.8	-
Machine tool accessories	3545	60.3	60.7	61.0	61.2	-	43.0	43.5	43.0	43.1	-
Power driven hand tools	3546	23.0	23.1	23.0	23.1	-	16.8	16.7	15.9	16.0	-
Special industry machinery	355	177.5	177.5	176.7	177.2	-	106.5	106.8	104.6	104.9	-
Food products machinery	3551	35.6	35.6	35.8	36.0	-	21.4	21.6	21.6	21.8	-
Textile machinery	3552	21.2	21.1	20.9	21.0	-	14.0	14.0	13.8	13.9	-
Printing trades machinery	3555	29.6	29.4	27.2	27.2	-	17.9	17.7	15.3	15.2	-
General industrial machinery	356	253.5	254.0	256.7	257.8	-	164.8	164.8	167.1	168.1	-
Pumps and pumping equipment	3561	44.8	45.3	45.8	46.2	-	26.2	26.2	27.2	27.5	-
Ball and roller bearings	3562	43.4	43.3	44.3	44.0	-	33.9	33.8	34.6	34.4	-
Air and gas compressors	3563	22.5	22.5	22.6	22.6	-	13.1	13.1	12.7	12.8	-
Blowers and fans	3564	31.1	31.2	31.4	31.5	-	20.5	20.6	21.3	21.3	-
Speed changers, drives, and gears	3566	17.3	17.5	17.8	17.9	-	11.9	12.1	12.3	12.4	-
Power transmission equipment, nec	3568	18.8	18.9	18.6	18.6	-	12.9	12.8	12.7	12.7	-
Office and computing machines	357	479.4	476.4	473.3	475.8	-	156.3	156.0	158.1	159.7	-
Electronic computing equipment	3573	423.6	421.0	417.7	420.6	-	130.1	129.9	132.0	133.9	-
Refrigeration and service machinery	358	186.4	187.5	182.2	179.9	-	134.9	135.4	130.5	127.9	-
Refrigeration and heating equipment	3585	130.2	131.2	127.5	125.2	-	96.9	97.6	94.2	91.6	-
Misc. machinery, except electrical	359	269.4	270.1	270.3	269.5	-	204.8	205.4	205.4	205.0	-
Carburetors, pistons, rings, and valves	3592	30.6	30.6	28.5	28.0	-	24.0	24.2	22.3	22.1	-
Machinery, except electrical, nec	3599	238.8	239.5	241.8	241.5	-	180.8	181.2	183.1	182.9	-
Electrical and electronic equipment	36	2,079.0	2,068.0	2,022.5	2,006.3	2,000.1	1,234.9	1,226.4	1,191.3	1,181.1	1,180.8
Electric distributing equipment	361	109.1	108.7	105.4	105.2	-	77.8	77.1	74.6	74.5	-
Transformers	3612	54.3	54.0	51.7	51.7	-	39.3	38.7	36.9	36.9	-
Switchgear and switchboard apparatus	3613	54.8	54.7	53.7	53.5	-	38.5	38.4	37.7	37.6	-
Electrical industrial apparatus	362	186.1	185.9	184.7	185.0	-	130.0	130.3	128.4	128.6	-
Motors and generators	3621	91.0	91.0	89.1	89.4	-	71.2	71.5	70.0	70.3	-
Industrial controls	3622	60.3	60.2	61.2	61.3	-	35.6	35.7	35.6	35.6	-
Household appliances	363	139.5	138.6	135.4	129.5	-	113.4	112.4	108.3	103.1	-
Household refrigerators and freezers	3632	27.3	27.9	26.0	23.1	-	22.3	22.7	20.8	18.3	-
Household laundry equipment	3633	23.1	23.0	22.4	22.5	-	18.9	18.8	18.1	18.3	-
Electric housewares and fans	3634	38.1	36.5	38.6	36.7	-	30.4	29.2	30.5	28.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Durable goods—Continued											
Electrical and electronic equipment—Continued											
Electric lighting and wiring equipment	364	201.5	202.1	197.3	196.7	-	146.4	146.8	143.1	142.3	-
Electric lamps	3641	26.5	26.8	26.2	25.9	-	22.5	22.7	22.4	22.2	-
Current-carrying wiring devices	3643	78.5	78.9	75.8	75.7	-	51.2	51.5	49.5	49.4	-
Noncurrent-carrying wiring devices	3644	16.7	16.8	16.7	16.8	-	12.4	12.6	12.5	12.5	-
Residential lighting fixtures	3645	28.8	28.5	28.6	28.1	-	21.9	21.6	21.5	20.9	-
Radio and TV receiving equipment	365	89.9	89.8	97.4	95.1	-	63.9	63.8	69.9	67.4	-
Radio and TV receiving sets	3651	67.3	67.0	72.2	71.1	-	46.4	46.3	50.0	48.9	-
Communication equipment	366	553.4	550.4	528.9	522.9	-	227.5	226.5	211.3	210.6	-
Telephone and telegraph apparatus	3661	107.9	106.6	100.1	97.7	-	64.6	63.9	58.2	58.6	-
Radio and TV communication equipment	3662	445.5	443.8	428.8	425.2	-	162.9	162.6	153.1	152.0	-
Electronic components and accessories	367	639.9	632.9	614.2	613.2	-	362.1	356.2	344.1	343.7	-
Electronic tubes	3671-3	38.7	38.6	38.8	38.4	-	24.8	25.0	24.3	23.9	-
Semiconductors and related devices	3674	266.1	263.8	256.9	256.8	-	105.7	103.4	98.4	98.2	-
Electronic components, nec	3679	257.7	255.2	248.4	247.7	-	173.8	171.7	170.2	169.9	-
Misc. electrical equipment and supplies	369	159.6	159.6	159.2	158.7	-	113.8	113.3	111.6	110.9	-
Storage batteries	3691	29.4	28.9	29.8	29.9	-	22.4	22.0	23.1	22.9	-
Engine electrical equipment	3694	71.1	71.1	69.5	69.4	-	54.9	54.6	53.1	52.7	-
Transportation equipment	37	2,083.8	2,075.1	2,034.2	2,042.0	1,927.3	1,304.9	1,295.2	1,255.7	1,259.3	1,146.2
Motor vehicles and equipment	371	882.2	873.6	832.6	837.4	727.0	690.9	680.4	639.5	642.8	534.1
Motor vehicles and car bodies	3711	371.8	365.5	341.9	346.7	-	281.6	274.3	250.7	254.8	-
Truck and bus bodies	3713	42.6	42.4	42.1	42.3	-	33.2	32.8	32.8	33.0	-
Motor vehicle parts and accessories	3714	416.5	414.8	402.6	402.3	-	335.3	333.3	320.6	319.6	-
Truck trailers	3715	30.7	30.2	27.5	27.5	-	24.6	23.9	21.6	21.5	-
Aircraft and parts	372	698.1	697.5	709.3	711.8	-	340.4	338.8	342.4	342.8	-
Aircraft	3721	372.0	373.4	385.1	386.4	-	163.8	163.8	166.7	166.6	-
Aircraft engines and engine parts	3724	152.9	151.4	151.3	152.0	-	77.3	76.1	75.9	76.0	-
Aircraft equipment, nec	3728	173.2	172.7	172.9	173.4	-	99.3	98.9	99.8	100.2	-
Ship and boat building and repairing	373	192.0	192.1	185.0	184.4	-	140.4	141.5	138.7	138.1	-
Ship building and repairing	3731	123.0	122.3	123.6	123.2	-	82.6	83.0	88.5	88.2	-
Boat building and repairing	3732	69.0	69.8	61.4	61.2	-	57.8	58.5	50.2	49.9	-
Railroad equipment	374	36.6	37.1	40.7	40.4	-	27.5	27.8	30.5	30.3	-
Guided missiles, space vehicles, and parts	376	213.2	212.2	206.9	208.0	-	63.8	63.7	64.0	64.4	-
Guided missiles and space vehicles	3761	156.1	155.1	153.5	154.6	-	44.1	43.9	43.6	43.6	-
Miscellaneous transportation equipment	379	49.5	49.3	46.3	46.5	-	33.3	33.5	30.7	30.8	-
Travel trailers and campers	3792	21.1	21.1	19.4	19.4	-	16.4	16.6	15.1	15.0	-
Instruments and related products	38	769.4	769.0	779.2	776.3	776.5	426.9	423.5	429.4	428.7	428.7
Engineering and scientific instruments	381	98.1	98.6	99.4	99.6	-	44.8	45.2	46.8	46.9	-
Measuring and controlling devices	382	267.5	266.7	270.1	269.5	-	154.3	153.5	153.5	152.9	-
Environmental controls	3822	49.2	49.0	48.9	48.5	-	32.9	32.7	32.6	32.3	-
Process control instruments	3823	62.2	61.8	63.8	63.9	-	33.4	33.3	34.0	33.8	-
Instruments to measure electricity	3825	108.5	107.9	109.1	109.0	-	55.6	55.0	54.8	55.0	-
Optical instruments and lenses	383	30.3	30.9	30.6	30.7	-	15.7	16.0	16.2	16.2	-
Medical instruments and supplies	384	208.0	207.4	213.4	214.1	-	126.1	124.7	127.3	128.1	-
Surgical and medical instruments	3841	102.4	102.2	106.8	107.2	-	59.6	59.0	61.2	61.8	-
Surgical appliances and supplies	3842	90.9	90.5	91.7	91.9	-	58.2	57.4	57.5	57.6	-
Ophthalmic goods	385	39.1	39.0	40.7	40.7	-	26.9	26.6	28.2	28.4	-
Photographic equipment and supplies	386	114.5	114.7	113.7	110.8	-	50.0	48.7	49.1	48.4	-
Watches, clocks, and watchcases	387	11.9	11.7	11.3	10.9	-	9.1	8.8	8.3	7.8	-
Miscellaneous manufacturing	39	387.3	380.1	396.3	389.8	385.1	280.3	273.9	289.6	283.0	280.9
Jewelry, silverware, and plated ware	391	54.9	52.9	55.9	54.7	-	38.9	37.3	39.8	38.7	-
Jewelry, precious metal	3911	39.1	37.9	40.6	39.8	-	27.6	26.6	28.7	28.0	-
Musical instruments	393	13.3	13.2	12.7	12.9	-	11.0	10.9	10.5	10.6	-
Toys and sporting goods	394	102.1	100.4	106.2	103.2	-	74.5	72.8	78.1	74.6	-
Dolls, games, toys, and children's vehicles	3942,4	43.0	41.3	46.3	42.7	-	29.6	28.0	33.3	29.5	-
Sporting and athletic goods, nec	3949	59.1	59.1	59.9	60.5	-	44.9	44.8	44.8	45.1	-
Pens, pencils, office, and art supplies	395	33.4	33.6	33.6	33.5	-	23.4	23.1	23.4	23.3	-
Costume jewelry and notions	396	40.7	39.6	44.7	43.7	-	31.1	30.4	35.2	34.0	-
Costume jewelry	3961	21.9	21.5	25.0	24.8	-	16.7	16.2	19.8	19.5	-
Miscellaneous manufactures	399	142.9	140.4	143.2	141.8	-	101.4	99.4	102.6	101.8	-
Signs and advertising displays	3993	63.5	62.2	62.6	62.8	-	44.1	43.0	43.7	44.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Nondurable goods		8,024	7,969	8,118	8,077	7,992	5,655	5,599	5,719	5,676	5,603
Food and kindred products	20	1,635.7	1,602.2	1,691.2	1,666.2	1,629.8	1,162.7	1,132.2	1,218.0	1,192.0	1,161.5
Meat products	201	413.7	405.7	431.6	430.2	-	350.3	342.8	367.7	366.8	-
Meat packing plants	2011	144.2	142.8	147.4	147.4	-	120.7	119.3	123.8	124.1	-
Sausages and other prepared meats	2013	83.3	81.8	84.1	83.9	-	61.1	59.6	62.4	62.1	-
Poultry dressing plants	2016	162.9	157.8	175.8	174.7	-	147.8	143.2	159.8	158.8	-
Dairy products	202	157.3	154.9	155.5	155.4	-	95.2	93.8	94.4	94.2	-
Cheese, natural and processed	2022	42.9	41.5	43.1	43.0	-	32.8	31.6	33.2	33.0	-
Fluid milk	2026	76.0	74.7	74.1	74.0	-	37.8	37.4	36.8	36.7	-
Preserved fruits and vegetables	203	229.9	221.8	255.5	237.8	-	185.5	177.3	211.7	194.9	-
Canned specialties	2032	23.7	23.7	24.9	24.4	-	17.1	17.1	18.6	18.5	-
Canned fruits and vegetables	2033	70.8	69.6	81.8	71.2	-	56.8	55.8	69.0	58.6	-
Frozen fruits and vegetables	2037	44.8	40.5	54.9	50.1	-	39.0	34.5	48.7	44.2	-
Grain mill products	204	126.1	125.7	131.0	132.8	-	88.2	88.0	91.6	91.8	-
Flour and other grain mill products	2041	22.2	22.3	24.2	24.3	-	15.3	15.4	16.3	16.2	-
Prepared feeds, nec	2048	42.7	42.4	43.3	43.8	-	27.0	26.9	27.4	27.6	-
Bakery products	205	204.1	201.0	207.5	206.0	-	126.1	122.7	128.2	126.7	-
Bread, cake, and related products	2051	156.8	154.3	160.1	159.0	-	89.4	87.3	91.5	90.4	-
Cookies and crackers	2052	47.3	46.7	47.4	47.0	-	36.7	35.4	36.7	36.3	-
Sugar and confectionery products	206	106.5	100.3	116.3	111.7	-	84.6	79.0	93.5	88.9	-
Cane and beet sugar	2061-3	23.3	21.5	23.7	21.7	-	18.5	17.0	19.2	17.8	-
Confectionery products	2065	61.4	57.0	69.9	67.5	-	51.4	47.3	58.9	55.9	-
Fats and oils	207	32.3	32.1	32.4	32.0	-	23.8	23.6	23.8	23.3	-
Beverages	208	200.2	197.1	194.5	193.8	-	85.7	82.9	81.8	81.4	-
Malt beverages	2082	41.6	40.9	40.6	40.3	-	25.0	24.3	24.4	24.6	-
Bottled and canned soft drinks	2086	112.8	110.6	111.3	110.9	-	36.9	36.3	36.2	35.8	-
Misc. food and kindred products	209	165.6	163.6	166.9	166.5	-	123.3	122.1	125.3	124.0	-
Tobacco manufactures	21	59.4	57.7	53.1	53.8	54.3	44.9	43.1	40.3	41.1	41.2
Cigarettes	211	40.9	40.7	36.5	36.5	-	30.2	29.9	27.3	27.3	-
Textile mill products	22	725.3	725.7	724.1	720.6	711.6	628.2	628.2	624.0	620.9	612.6
Weaving mills, cotton	221	96.1	96.7	95.5	95.3	-	86.7	87.0	86.2	86.1	-
Weaving mills, synthetics	222	91.2	91.6	89.8	89.8	-	81.0	81.3	79.3	79.4	-
Weaving and finishing mills, wool	223	19.3	19.4	18.4	18.3	-	15.7	15.8	14.7	14.6	-
Narrow fabric mills	224	24.7	24.6	24.8	24.4	-	21.2	21.1	21.1	20.6	-
Knitting mills	225	208.8	207.9	211.7	209.3	-	184.2	182.9	185.5	182.9	-
Women's hosiery, except socks	2251	32.6	33.2	32.7	32.5	-	29.5	30.0	29.2	28.9	-
Hosiery, nec	2252	35.9	35.9	38.2	37.7	-	32.3	32.3	34.7	34.1	-
Knit outerwear mills	2253	69.4	68.3	70.9	69.5	-	61.9	60.9	62.5	61.1	-
Knit underwear mills	2254	26.0	25.7	24.6	24.4	-	22.1	21.6	20.8	20.6	-
Circular knit fabric mills	2257	26.0	26.0	27.3	27.2	-	22.6	22.6	23.8	23.7	-
Textile finishing, except wool	226	61.1	61.4	62.0	61.7	-	50.5	50.7	50.3	50.0	-
Finishing plants, cotton	2261	25.8	26.0	26.5	26.5	-	21.3	21.5	21.2	21.2	-
Finishing plants, synthetics	2262	21.6	21.6	21.9	21.8	-	17.5	17.4	17.5	17.4	-
Floor covering mills	227	61.2	61.3	63.0	63.6	-	49.8	49.8	51.3	52.1	-
Yarn and thread mills	228	106.8	106.8	103.3	103.2	-	95.4	95.7	92.6	92.6	-
Yarn mills, except wool	2281	80.2	80.5	77.8	77.6	-	72.3	72.7	70.1	70.0	-
Throwing and winding mills	2282	14.8	14.6	13.9	13.9	-	13.1	12.9	12.4	12.4	-
Miscellaneous textile goods	229	56.1	56.0	55.6	55.0	-	43.7	43.9	43.0	42.6	-
Apparel and other textile products	23	1,090.4	1,084.1	1,090.8	1,078.2	1,065.4	918.1	913.1	920.1	906.6	896.2
Men's and boys' suits and coats	231	58.8	58.5	54.0	53.7	-	50.7	50.3	45.7	45.4	-
Men's and boys' furnishings	232	298.0	297.4	300.0	297.3	-	257.2	256.8	259.0	256.9	-
Men's and boys' shirts and nightwear	2321	74.9	74.8	74.6	74.1	-	63.8	63.7	64.3	63.9	-
Men's and boys' separate trousers	2327	50.3	50.1	48.3	48.1	-	43.4	43.3	41.6	41.3	-
Men's and boys' work clothing	2328	89.0	89.3	91.6	90.9	-	77.7	78.2	80.2	79.6	-
Women's and misses' outerwear	233	336.6	337.7	327.8	323.6	-	280.9	282.2	274.1	268.8	-
Women's and misses' blouses and waists	2331	42.9	43.3	40.4	40.1	-	35.2	35.8	33.1	32.9	-
Women's and misses' dresses	2335	75.2	76.8	72.4	71.8	-	62.4	63.9	60.2	59.2	-
Women's and misses' suits and coats	2337	36.2	35.1	37.5	35.4	-	29.7	28.7	31.2	29.0	-
Women's and misses' outerwear, nec	2339	182.3	182.5	177.5	176.3	-	153.6	153.8	149.6	147.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	70.3	70.1	68.4	67.0	-	58.2	58.0	57.1	55.5	-
Women's and children's underwear	2341	56.4	56.4	54.6	52.9	-	48.5	48.4	47.4	45.8	-
Brassieres and allied garments	2342	13.9	13.7	13.8	14.1	-	9.7	9.6	9.7	9.7	-
Children's outerwear	236	58.0	57.0	58.7	58.6	-	48.9	47.8	49.3	49.3	-
Children's dresses and blouses	2361	22.7	22.3	22.6	22.5	-	19.9	19.4	19.7	19.6	-
Misc. apparel and accessories	238	42.9	42.1	45.0	43.0	-	35.4	34.5	37.6	35.5	-
Misc. fabricated textile products	239	207.4	203.3	217.4	215.7	-	172.2	169.1	181.4	179.4	-
Curtains and draperies	2391	25.1	24.4	27.0	26.9	-	20.8	20.2	22.5	22.4	-
House furnishings, nec	2392	55.7	54.1	60.3	59.9	-	46.9	45.6	50.9	50.4	-
Automotive and apparel trimmings	2396	44.6	43.5	45.0	44.6	-	38.1	36.8	37.4	37.0	-
Paper and allied products	26	697.1	692.0	698.2	699.9	696.4	525.6	521.2	527.5	527.7	525.9
Paper and pulp mills	261,2,6	193.8	192.8	194.1	195.0	-	147.1	146.1	147.1	147.4	-
Paper mills, except building paper	262	173.2	172.8	174.0	174.9	-	131.0	130.3	131.0	131.4	-
Paperboard mills	263	52.7	52.7	52.4	52.9	-	40.4	40.5	40.1	40.5	-
Misc. converted paper products	264	241.1	238.0	239.7	240.4	-	175.6	173.3	176.0	176.2	-
Paper coating and glazing	2641	60.7	60.0	60.2	61.0	-	35.8	35.2	35.9	36.2	-
Envelopes	2642	27.5	27.6	26.2	26.4	-	21.3	21.4	20.3	20.5	-
Bags, except textile bags	2643	54.3	54.1	53.9	53.9	-	42.8	42.7	42.1	41.9	-
Paperboard containers and boxes	265	209.5	208.5	212.0	211.6	-	162.5	161.3	164.3	163.6	-
Folding paperboard boxes	2651	46.6	46.1	47.2	47.0	-	37.3	36.9	37.6	37.2	-
Corrugated and solid fiber boxes	2653	113.4	113.3	114.6	114.8	-	85.2	85.0	86.3	86.4	-
Sanitary food containers	2654	22.2	22.3	21.5	21.7	-	18.6	18.6	17.9	18.1	-
Printing and publishing	27	1,595.6	1,594.0	1,623.6	1,626.8	1,622.9	892.8	886.5	900.6	904.7	900.4
Newspapers	271	479.6	477.6	481.7	482.7	-	171.7	169.7	168.7	169.3	-
Periodicals	272	133.5	133.5	138.3	137.3	-	48.3	47.3	50.6	49.8	-
Books	273	119.4	120.2	119.8	122.8	-	63.7	63.5	61.6	64.9	-
Book publishing	2731	86.9	88.7	89.1	90.4	-	37.8	38.7	37.3	38.8	-
Book printing	2732	32.5	31.5	30.7	32.4	-	25.9	24.8	24.3	26.1	-
Miscellaneous publishing	274	80.9	81.2	83.9	83.8	-	41.3	41.5	41.7	42.2	-
Commercial printing	275	568.0	567.1	581.7	581.8	-	413.7	411.7	422.9	422.9	-
Commercial printing, letterpress	2751	174.7	173.5	180.5	180.0	-	126.1	124.7	130.1	129.4	-
Commercial printing, lithographic	2752	365.7	365.9	373.8	374.4	-	265.7	264.9	271.1	271.9	-
Manifold business forms	276	49.6	49.6	48.8	48.9	-	34.0	33.9	33.7	33.9	-
Blankbooks and bookbinding	278	80.0	80.5	82.0	82.2	-	62.9	62.5	63.1	63.3	-
Printing trade services	279	59.6	60.1	61.5	61.6	-	44.4	44.4	45.1	45.3	-
Chemicals and allied products	28	1,076.5	1,077.3	1,095.9	1,099.8	1,095.2	602.2	602.1	614.1	616.6	613.7
Industrial inorganic chemicals	281	133.4	133.7	135.2	135.6	-	66.3	67.1	70.7	71.6	-
Industrial inorganic chemicals, nec	2819	90.3	90.6	91.5	91.9	-	47.7	47.7	48.3	48.6	-
Plastics materials and synthetics	282	181.5	182.9	188.8	188.9	-	119.3	120.4	123.8	123.3	-
Plastics materials and resins	2821	84.6	85.0	88.0	88.2	-	50.0	50.2	52.0	52.1	-
Organic fibers, noncellulosic	2824	68.0	68.4	70.8	70.9	-	48.6	49.1	50.6	50.4	-
Drugs	283	235.8	236.3	244.2	246.0	-	104.4	103.4	108.4	109.7	-
Pharmaceutical preparations	2834	194.3	194.5	201.2	202.7	-	84.7	83.9	89.8	91.0	-
Soap, cleaners, and toilet goods	284	161.2	159.9	159.1	160.0	-	102.3	100.5	98.0	98.5	-
Soap and other detergents	2841	44.4	44.1	44.6	45.1	-	27.6	27.5	28.0	28.5	-
Polishing, sanitation, and finishing preparations	2842,3	45.1	45.6	46.2	46.6	-	25.8	25.9	25.1	25.2	-
Toilet preparations	2844	71.7	70.2	68.3	68.3	-	48.9	47.1	44.9	44.8	-
Paints and allied products	285	62.9	62.6	63.3	63.2	-	31.3	31.5	32.1	32.0	-
Industrial organic chemicals	286	148.2	148.4	151.4	152.0	-	86.0	86.0	88.1	88.2	-
Cyclic crudes and intermediates	2865	30.5	30.3	31.3	31.6	-	18.8	18.7	18.8	18.9	-
Gum, wood, and industrial organic chemicals, nec	2861,9	117.7	118.1	120.1	120.4	-	67.2	67.3	69.3	69.3	-
Agricultural chemicals	287	52.0	52.5	52.7	53.0	-	32.9	33.4	32.4	32.7	-
Miscellaneous chemical products	289	101.5	101.0	101.2	101.1	-	59.7	59.8	60.6	60.6	-
Petroleum and coal products	29	159.8	156.9	164.3	161.0	159.4	103.9	101.1	107.6	104.4	102.1
Petroleum refining	291	121.8	121.4	123.5	123.4	-	77.9	77.4	78.6	78.6	-
Paving and roofing materials	295	25.4	23.0	27.7	24.5	-	19.0	16.9	21.6	18.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Nondurable goods—Continued											
Rubber and misc. plastics products	30	841.7	837.2	836.7	834.0	822.0	658.2	654.1	651.2	648.4	638.0
Tires and inner tubes	301	84.4	84.0	84.2	85.9	-	62.9	62.8	62.7	64.0	-
Rubber and plastics footwear	302	11.0	11.0	11.2	11.0	-	9.2	9.0	9.2	8.9	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	27.7	27.6	27.1	27.1	-	20.7	20.6	20.3	20.4	-
Fabricated rubber products, nec	306	102.0	101.6	98.3	97.4	-	78.5	78.1	75.5	74.3	-
Miscellaneous plastics products	307	616.6	613.0	615.9	612.6	-	486.9	483.6	483.5	480.8	-
Leather and leather products	31	142.9	141.5	139.6	136.9	134.9	118.0	117.1	115.6	113.3	111.6
Leather tanning and finishing	311	14.0	14.0	14.5	14.6	-	11.7	11.7	12.1	12.2	-
Footwear, except rubber	314	82.5	81.7	77.3	76.6	-	70.1	69.6	65.8	65.1	-
Men's footwear, except athletic	3143	37.2	36.9	33.7	33.6	-	29.7	29.7	27.5	27.4	-
Women's footwear, except athletic	3144	28.1	28.0	27.0	27.0	-	25.0	24.9	23.9	23.9	-
Luggage	316	11.5	11.4	12.1	11.9	-	8.4	8.2	8.9	8.8	-
Handbags and personal leather goods	317	15.7	15.7	16.7	15.0	-	11.9	12.1	13.4	11.9	-
Transportation and public utilities		5,680	5,590	5,794	5,879	5,793	4,735	4,648	4,838	4,922	4,839
Transportation		3,471	3,387	3,635	3,665	3,586	-	-	-	-	-
Railroad transportation	40	296.2	290.6	293.6	290.2	-	-	-	-	-	-
Class I railroads ^a	4011	255.5	249.9	249.3	246.3	-	-	-	-	-	-
Local and interurban passenger transit	41	330.2	329.6	353.7	353.5	-	303.4	302.9	323.1	323.0	-
Local and suburban transportation	411	123.4	123.5	135.3	135.5	-	112.0	112.0	120.9	121.3	-
Taxicabs	412	35.8	36.3	35.0	35.2	-	-	-	-	-	-
Intercity highway transportation	413	29.5	29.5	30.4	30.0	-	26.5	26.6	26.8	26.2	-
School buses	415	112.9	112.7	121.2	121.8	-	-	-	-	-	-
Trucking and warehousing	42	1,660.6	1,587.1	1,713.5	1,734.6	-	1,454.2	1,379.3	1,499.9	1,519.2	-
Trucking and trucking terminals	421,3	1,539.4	1,469.0	1,582.4	1,608.8	-	1,351.8	1,279.6	1,388.9	1,414.0	-
Public warehousing	422	121.2	118.1	131.1	125.8	-	102.4	99.7	111.0	105.2	-
Water transportation	44	170.5	168.4	171.5	169.1	-	-	-	-	-	-
Local water transportation	445	28.2	26.3	30.9	30.7	-	-	-	-	-	-
Water transportation services	446	90.8	92.9	90.8	88.8	-	-	-	-	-	-
Transportation by air	45	668.4	666.5	733.1	746.3	-	-	-	-	-	-
Air transportation	451,2	576.3	574.3	633.1	645.0	-	-	-	-	-	-
Air transportation services	458	92.1	92.2	100.0	101.3	-	-	-	-	-	-
Pipe lines, except natural gas	46	18.4	18.4	19.1	19.2	-	12.9	12.9	13.7	13.8	-
Transportation services	47	326.6	326.7	350.5	351.9	-	-	-	-	-	-
Freight forwarding	471	73.9	73.4	78.6	78.8	-	-	-	-	-	-
Communication and public utilities		2,209	2,203	2,159	2,214	2,207	-	-	-	-	-
Communication	48	1,279.0	1,275.9	1,221.7	1,275.8	-	969.6	968.1	921.8	978.5	-
Telephone communication	481	889.6	887.3	820.3	872.7	-	654.4	654.3	597.8	652.7	-
Radio and television broadcasting	483	242.6	241.3	247.5	248.4	-	200.6	198.8	204.2	205.4	-
Radio broadcasting	4832	120.7	120.3	123.1	123.4	-	-	-	-	-	-
Television broadcasting	4833	121.9	121.0	124.4	125.0	-	-	-	-	-	-
Electric, gas, and sanitary services	49	930.4	927.5	937.4	938.0	-	734.2	732.1	739.8	740.5	-
Electric services	491	450.9	449.9	446.4	446.6	-	343.4	343.3	341.9	343.0	-
Gas production and distribution	492	164.8	164.8	168.2	168.2	-	129.9	129.6	131.6	131.6	-
Combination utility services	493	192.2	192.4	193.1	192.8	-	157.1	157.4	156.5	155.8	-
Sanitary services	495	93.8	91.8	100.3	101.0	-	81.4	79.7	86.9	87.2	-
Wholesale trade		6,128	6,095	6,310	6,311	6,282	4,934	4,898	5,076	5,069	5,044
Durable goods	50	3,626	3,617	3,737	3,746	3,738	2,898	2,886	2,983	2,988	-
Motor vehicles and automotive equipment	501	434.6	434.6	435.3	436.5	-	349.7	349.4	352.1	353.0	-
Automobiles and other motor vehicles	5012	121.5	122.3	122.3	123.1	-	-	-	-	-	-
Automotive parts and supplies	5013	282.5	282.1	281.7	282.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Wholesale trade—Continued											
Durable goods—Continued											
Furniture and home furnishings	502	154.9	154.4	158.8	157.8	-	125.3	124.6	128.3	127.6	-
Furniture	5021	70.3	70.7	72.2	71.7	-	-	-	-	-	-
Home furnishings	5023	84.6	83.7	86.6	86.1	-	-	-	-	-	-
Lumber and construction materials	503	230.0	226.7	243.5	242.2	-	188.2	184.7	199.7	198.0	-
Lumber, plywood, and millwork	5031	119.4	119.1	125.3	125.9	-	-	-	-	-	-
Construction materials, nec	5039	110.6	107.6	118.2	116.3	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	94.2	92.1	100.1	102.2	-	76.1	73.4	80.4	82.3	-
Metals and minerals, except petroleum	505	143.7	143.5	143.9	143.8	-	113.8	114.1	114.0	113.7	-
Electrical goods	506	515.4	514.4	540.4	544.4	-	396.6	395.7	410.5	413.9	-
Electrical apparatus and equipment	5063	269.2	269.7	285.3	288.7	-	-	-	-	-	-
Electrical appliances, TV and radios	5064	68.2	67.6	70.4	70.4	-	-	-	-	-	-
Electronic parts and equipment	5065	178.0	177.1	184.7	185.3	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	281.7	281.0	281.9	280.9	-	227.3	227.4	228.2	226.7	-
Hardware	5072	98.4	97.6	95.7	95.3	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	115.6	115.5	117.2	117.2	-	-	-	-	-	-
Machinery, equipment, and supplies	508	1,539.3	1,539.7	1,591.0	1,596.9	-	1,233.0	1,231.5	1,273.8	1,277.6	-
Commercial machines and equipment	5081	553.9	553.0	562.3	564.6	-	-	-	-	-	-
Construction and mining machinery	5082	83.1	83.0	87.3	87.7	-	-	-	-	-	-
Farm machinery and equipment	5083	117.0	117.1	124.7	123.7	-	-	-	-	-	-
Industrial machinery and equipment	5084	339.8	339.3	355.3	356.8	-	-	-	-	-	-
Industrial supplies	5085	141.7	142.0	149.1	149.8	-	-	-	-	-	-
Professional equipment and supplies	5086	177.2	177.9	180.8	181.6	-	-	-	-	-	-
Miscellaneous durable goods	509	232.3	230.9	242.2	241.2	-	187.8	185.3	195.8	194.7	-
Scrap and waste materials	5093	108.7	108.2	113.4	113.0	-	-	-	-	-	-
Nondurable goods	51	2,502	2,478	2,573	2,565	2,544	2,036	2,012	2,093	2,081	-
Paper and paper products	511	223.4	223.3	232.0	230.4	-	180.5	180.7	185.3	184.0	-
Drugs, proprietaries, and sundries	512	186.3	185.5	192.1	192.6	-	157.1	156.8	161.4	161.1	-
Apparel, piece goods, and notions	513	194.3	192.1	206.3	204.8	-	150.5	148.2	159.8	157.9	-
Groceries and related products	514	834.5	824.9	848.3	847.2	-	700.9	691.3	714.4	712.1	-
Groceries, general line	5141	267.9	268.5	278.3	279.6	-	-	-	-	-	-
Meats and meat products	5147	67.2	67.1	67.1	67.5	-	-	-	-	-	-
Fresh fruits and vegetables	5148	105.4	102.6	102.3	101.1	-	-	-	-	-	-
Chemicals and allied products	516	127.2	127.5	128.4	128.7	-	92.4	91.9	93.5	93.7	-
Petroleum and petroleum products	517	204.5	203.5	207.9	208.4	-	160.4	159.8	163.5	163.9	-
Petroleum bulk stations and terminals	5171	85.4	85.1	87.6	87.9	-	-	-	-	-	-
Petroleum products, nec	5172	119.1	118.4	120.3	120.5	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	152.3	150.6	155.2	155.9	-	124.6	122.7	126.9	127.1	-
Beer and ale	5181	95.7	94.8	98.2	98.2	-	-	-	-	-	-
Wines and distilled beverages	5182	56.6	55.8	57.0	57.7	-	-	-	-	-	-
Miscellaneous nondurable goods	519	452.7	448.0	477.8	474.3	-	366.4	361.7	385.9	381.5	-
Farm supplies	5191	148.2	148.2	159.5	157.7	-	-	-	-	-	-
Retail trade		19,954	19,108	20,040	20,345	19,534	17,720	16,894	17,770	18,064	17,266
Building materials and garden supplies	52	763.5	737.5	769.3	764.4	-	630.9	605.2	637.7	633.4	-
Lumber and other building materials	521	425.1	415.7	426.2	420.3	-	356.3	347.3	359.6	353.9	-
Hardware stores	525	164.4	160.5	170.6	172.4	-	136.7	132.8	140.7	142.5	-
General merchandise stores	53	2,758.9	2,537.4	2,656.7	2,766.9	2,561.6	2,566.3	2,342.7	2,482.5	2,592.7	-
Department stores	531	2,277.0	2,104.8	2,207.1	2,295.3	-	2,129.7	1,953.8	2,075.0	2,163.5	-
Variety stores	533	264.8	242.6	243.6	251.8	-	243.7	222.4	225.1	233.5	-
Misc. general merchandise stores	539	217.1	190.0	206.0	219.8	-	192.9	166.5	182.4	195.7	-
Food stores	54	3,248.7	3,183.1	3,370.7	3,412.2	3,348.9	2,994.4	2,934.2	3,103.7	3,141.9	-
Grocery stores	541	2,859.6	2,825.4	2,970.1	2,993.3	-	2,648.9	2,618.1	2,750.0	2,770.9	-
Meat markets and freezer provisioners	542	57.6	55.7	58.3	61.0	-	-	-	-	-	-
Dairy products stores	545	33.8	28.1	35.3	37.1	-	-	-	-	-	-
Retail bakeries	546	178.1	172.9	182.1	183.5	-	160.8	156.5	163.4	164.7	-
Automotive dealers and service stations	55	2,124.1	2,117.1	2,164.4	2,149.8	2,137.2	1,773.1	1,766.3	1,803.1	1,787.9	-
New and used car dealers	551,2	1,044.8	1,044.6	1,039.9	1,030.9	-	865.3	866.6	861.7	853.0	-
Auto and home supply stores	553	343.3	339.6	365.2	362.5	-	276.5	272.0	293.5	290.5	-
Gasoline service stations	554	634.1	631.2	644.2	642.7	-	551.1	547.6	557.2	555.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Retail trade—Continued											
Apparel and accessory stores	56	1,292.6	1,202.7	1,236.8	1,295.9	-	1,105.2	1,014.8	1,045.4	1,101.3	-
Men's and boys' clothing and furnishings	561	119.3	111.0	111.5	119.1	-	98.3	90.3	89.9	97.3	-
Women's ready-to-wear stores	562	445.6	423.1	428.7	446.5	-	379.8	356.0	358.5	375.9	-
Family clothing stores	565	327.7	285.0	298.2	320.2	-	288.7	247.9	260.2	280.6	-
Shoe stores	566	237.5	228.0	238.4	243.9	-	199.1	189.5	199.4	205.1	-
Furniture and home furnishings stores	57	831.3	812.1	828.8	843.1	-	685.9	666.2	683.8	698.4	-
Furniture and home furnishings stores	571	477.6	469.5	481.6	486.4	-	391.2	382.6	393.0	398.7	-
Furniture stores	5712	291.9	289.2	294.6	296.9	-	-	-	-	-	-
Household appliance stores	572	83.9	82.0	76.5	77.1	-	70.3	68.6	63.8	64.5	-
Radio, television, and music stores	573	269.8	260.6	270.7	279.6	-	224.4	215.0	227.0	235.2	-
Radio and television stores	5732	188.2	182.8	187.8	191.8	-	-	-	-	-	-
Music stores	5733	81.6	77.8	82.9	87.8	-	-	-	-	-	-
Eating and drinking places	58	6,286.8	6,018.3	6,378.3	6,393.8	6,148.5	5,713.9	5,459.9	5,786.9	5,800.0	-
Miscellaneous retail	59	2,647.8	2,499.6	2,634.7	2,719.2	-	2,250.1	2,104.3	2,226.4	2,308.3	-
Drug stores and proprietary stores	591	612.6	603.5	622.1	633.2	-	522.6	512.6	527.0	537.5	-
Liquor stores	592	127.3	123.0	126.7	129.8	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	1,007.9	906.9	980.1	1,036.0	-	861.8	762.7	830.1	885.4	-
Sporting goods and bicycle shops	5941	171.7	162.2	174.3	179.2	-	-	-	-	-	-
Book stores	5942	96.1	91.3	95.3	99.5	-	-	-	-	-	-
Stationery stores	5943	85.9	84.5	86.9	88.0	-	-	-	-	-	-
Jewelry stores	5944	182.3	166.6	173.1	182.8	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	202.7	180.8	201.6	209.7	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	67.6	66.3	66.7	66.7	-	-	-	-	-	-
Nonstore retailers	596	288.9	272.4	273.5	271.9	-	258.2	242.9	243.5	241.6	-
Mail order houses	5961	148.6	137.6	139.2	138.7	-	-	-	-	-	-
Merchandising machine operators	5962	87.1	85.9	86.2	85.5	-	-	-	-	-	-
Fuel and ice dealers	598	119.5	120.4	121.2	124.0	-	100.4	100.8	101.3	104.1	-
Retail stores, nec	599	409.4	391.7	422.0	434.4	-	334.6	317.4	347.7	359.3	-
Finance, insurance, and real estate³		6,726	6,685	6,848	6,864	6,830	4,868	4,831	4,965	4,977	4,938
Finance		3,304	3,299	3,347	3,359	3,356	-	-	-	-	-
Banking	60	1,749.5	1,748.8	1,789.3	1,796.7	-	1,247.4	1,246.3	1,271.3	1,278.7	-
Commercial and stock savings banks	602	1,561.3	1,559.1	1,578.7	1,583.2	-	1,109.9	1,107.8	1,119.4	1,124.4	-
State banks, Federal Reserve	6022	316.7	314.6	316.7	317.0	-	-	-	-	-	-
State banks, not Federal Reserve	6023,4	362.0	363.2	368.1	368.9	-	-	-	-	-	-
Mutual savings banks	603	79.8	80.5	79.3	79.5	-	-	-	-	-	-
Credit agencies other than banks	61	903.3	905.3	909.2	912.4	-	673.6	675.8	685.1	688.9	-
Savings and loan associations	612	403.5	404.0	400.4	400.3	-	304.9	305.5	304.5	305.1	-
Federal savings and loan associations	6122	232.9	233.1	232.0	232.3	-	-	-	-	-	-
State associations, insured	6123	165.4	165.6	163.3	162.9	-	-	-	-	-	-
Personal credit institutions	614	261.2	262.7	269.3	270.8	-	202.7	204.2	209.4	210.6	-
Business credit institutions	615	62.5	63.1	69.9	71.1	-	-	-	-	-	-
Mortgage bankers and brokers	616	153.6	152.9	148.2	148.8	-	-	-	-	-	-
Security, commodity brokers, and services	62	442.5	439.3	431.1	433.0	-	-	-	-	-	-
Security brokers and dealers	621	345.7	342.6	330.7	330.4	-	-	-	-	-	-
Holding and other investment offices	67	209.1	205.6	217.1	216.9	-	-	-	-	-	-
Insurance		2,109	2,105	2,136	2,142	2,145	-	-	-	-	-
Insurance carriers	63	1,455.4	1,451.5	1,473.7	1,477.5	-	973.4	967.0	983.5	986.5	-
Life insurance	631	576.6	576.0	574.2	574.0	-	345.4	344.5	352.1	353.3	-
Medical service and health insurance	632	225.1	226.7	237.4	238.7	-	181.7	183.3	189.6	191.0	-
Fire, marine, and casualty insurance	633	544.8	539.5	547.8	549.4	-	363.7	356.5	353.6	353.2	-
Title insurance	636	58.1	58.1	60.8	61.6	-	-	-	-	-	-
Insurance agents, brokers, and service	64	653.5	653.8	662.2	664.6	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,313	1,281	1,365	1,363	1,329	-	-	-	-	-
Real estate	65	1,303.6	1,272.4	1,356.2	1,354.5	-	-	-	-	-	
Real estate operators and lessors	651	572.7	552.7	593.4	596.8	-	-	-	-	-	
Real estate agents and managers	653	536.5	529.1	552.4	553.0	-	-	-	-	-	
Subdividers and developers	655	162.8	159.3	177.2	171.4	-	-	-	-	-	
Combined real estate, insurance, etc	66	9.0	9.0	8.8	8.8	-	-	-	-	-	
Services		26,123	25,843	27,318	27,306	27,027	22,831	22,548	23,834	23,813	23,499
Hotels and other lodging places	70	1,522.9	1,505.0	1,563.1	1,550.1	-	-	-	-	-	
Hotels, motels, and tourist courts	701	1,486.1	1,468.3	1,517.5	1,506.6	-	1,321.3	1,301.8	1,346.2	1,335.1	
Personal services	72	1,169.9	1,196.1	1,196.1	1,199.5	-	-	-	-	-	
Laundry, cleaning, and garment services	721	415.0	410.3	415.5	415.6	-	368.4	364.2	369.4	369.0	
Photographic studios, portrait	722	62.2	55.4	68.9	66.8	-	-	-	-	-	
Beauty shops	723	367.4	366.2	374.6	376.3	-	327.9	326.2	335.0	336.9	
Funeral service and crematories	726	80.3	80.2	81.9	82.1	-	-	-	-	-	
Business services	73	5,744.5	5,612.3	5,887.5	5,883.4	5,761.9	4,920.6	4,787.9	5,016.3	5,006.3	
Advertising	731	250.5	249.8	258.9	259.7	-	186.1	183.8	191.0	190.8	
Advertising agencies	7311	180.1	180.8	187.0	187.1	-	-	-	-	-	
Credit reporting and collection	732	91.9	92.6	96.0	95.9	-	-	-	-	-	
Mailing, reproduction, and stenographic	733	232.0	231.4	261.0	265.3	-	-	-	-	-	
Services to buildings	734	800.4	789.2	808.7	805.3	-	726.4	715.6	731.9	728.0	
Personnel supply services	736	1,412.6	1,314.2	1,362.6	1,358.9	-	-	-	-	-	
Employment agencies	7361	226.0	213.5	215.9	215.7	-	-	-	-	-	
Temporary help supply services	7362	1,081.0	996.8	1,043.8	1,040.7	-	-	-	-	-	
Computer and data processing services	737	720.2	727.7	791.0	799.4	-	557.7	565.4	613.1	619.9	
Computer programming and software	7372	331.3	333.4	369.5	373.3	-	-	-	-	-	
Data processing services	7374	268.3	273.6	292.8	296.5	-	-	-	-	-	
Miscellaneous business services	739	2,224.4	2,194.7	2,295.9	2,285.6	-	-	-	-	-	
Research development laboratories, nec	7391	215.5	215.6	219.3	219.7	-	-	-	-	-	
Management and public relations	7392	543.5	535.0	557.4	558.8	-	-	-	-	-	
Detective and protective services	7393	473.5	465.6	486.7	482.9	-	-	-	-	-	
Equipment rental and leasing	7394	265.5	263.2	279.0	278.4	-	-	-	-	-	
Photofinishing laboratories	7395	87.7	81.7	88.8	85.8	-	-	-	-	-	
Auto repair, services, and garages	75	858.1	865.9	915.8	914.4	-	709.3	714.3	753.4	752.7	
Automotive rentals, without drivers	751	169.2	173.2	191.7	191.2	-	-	-	-	-	
Automotive repair shops	753	498.6	501.5	530.2	529.7	-	410.6	412.3	433.7	433.7	
Miscellaneous repair services	76	351.6	350.3	365.1	365.9	-	287.0	284.6	299.6	300.7	
Electrical repair shops	762	114.9	115.4	127.3	128.1	-	-	-	-	-	
Motion pictures	78	245.8	245.5	266.1	268.7	-	206.2	205.9	223.5	225.4	
Motion picture production and services	781	126.4	126.5	145.5	145.0	-	101.0	101.4	118.2	116.8	
Motion picture theaters	783	101.7	101.8	102.0	106.6	-	-	-	-	-	
Amusement and recreation services	79	857.9	824.8	894.5	900.9	-	741.1	709.6	774.4	778.2	
Health services	80	7,350.1	7,377.4	7,831.3	7,877.5	7,909.2	6,531.0	6,557.3	6,951.6	6,994.2	
Offices of physicians	801	1,151.7	1,161.2	1,242.0	1,253.0	-	944.7	952.7	1,010.2	1,020.5	
Offices of dentists	802	495.9	495.3	519.9	522.4	-	434.7	434.3	455.0	457.5	
Nursing and personal care facilities	805	1,343.0	1,344.4	1,414.7	1,421.1	-	1,212.7	1,214.6	1,277.5	1,283.6	
Skilled nursing care facilities	8051	930.0	930.5	979.6	984.6	-	-	-	-	-	
Nursing and personal care, nec	8059	413.0	413.9	435.1	436.5	-	-	-	-	-	
Hospitals	806	3,382.9	3,396.2	3,563.2	3,577.0	-	3,089.9	3,104.3	3,256.8	3,269.6	
General medical and surgical hospitals	8062	3,129.7	3,141.8	3,299.1	3,312.3	-	-	-	-	-	
Psychiatric hospitals	8063	93.8	94.1	96.6	96.9	-	-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	159.4	160.3	167.5	167.8	-	-	-	-	-	
Medical and dental laboratories	807	158.0	159.3	178.3	181.2	-	-	-	-	-	
Outpatient care facilities	808	287.4	290.6	340.0	345.3	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Services—Continued											
Legal services	81	872.7	868.9	910.8	914.6	-	726.3	725.2	752.5	755.0	-
Educational services	82	1,687.8	1,580.8	1,774.2	1,743.0	-	-	-	-	-	-
Elementary and secondary schools	821	406.5	405.2	413.4	411.6	-	-	-	-	-	-
Colleges and universities	822	1,057.4	953.5	1,113.3	1,084.5	-	-	-	-	-	-
Correspondence and vocational schools	824	101.3	101.1	107.8	109.0	-	-	-	-	-	-
Social services	83	1,672.3	1,666.2	1,800.3	1,808.6	-	-	-	-	-	-
Individual and family services	832	347.4	341.6	360.0	361.9	-	-	-	-	-	-
Job training and related services	833	234.4	234.1	240.1	242.3	-	-	-	-	-	-
Residential care	836	406.7	406.9	441.5	444.4	-	-	-	-	-	-
Museums, botanical and zoological gardens	84	50.5	48.4	51.4	50.6	-	-	-	-	-	-
Membership organizations	86	1,738.4	1,716.1	1,758.6	1,761.6	-	-	-	-	-	-
Business associations	861	99.8	99.4	100.1	100.4	-	-	-	-	-	-
Labor organizations	863	137.9	131.8	134.1	135.9	-	-	-	-	-	-
Civic and social associations	864	384.8	369.6	404.9	405.6	-	-	-	-	-	-
Miscellaneous services	89	1,409.2	1,426.6	1,472.4	1,474.1	-	1,123.9	1,139.9	1,169.5	1,175.8	-
Engineering and architectural services	891	735.4	733.8	765.6	765.7	-	609.0	606.2	631.3	631.7	-
Noncommercial research organizations	892	138.1	137.9	150.6	151.7	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	501.8	521.4	515.5	516.5	-	380.0	399.5	388.8	395.4	-
Government		17,819	17,535	18,232	18,175	17,849	-	-	-	-	-
Federal Government ⁴		2,981	2,960	2,970	2,972	2,966	-	-	-	-	-
Executive, by agency ¹		2,923.0	2,900.9	2,911.0	-	-	-	-	-	-	-
Department of Defense		957.6	958.6	977.9	-	-	-	-	-	-	-
Postal Service ⁵		857.1	837.4	821.2	-	-	-	-	-	-	-
Other executive agencies		1,108.3	1,104.9	1,111.9	-	-	-	-	-	-	-
Legislative		37.3	37.6	37.5	-	-	-	-	-	-	-
Judicial		21.0	21.1	21.6	-	-	-	-	-	-	-
Federal government, by industry:											
Manufacturing activities		121.7	123.2	124.9	124.7	-	-	-	-	-	-
Shipbuilding and repairing	3731	74.2	74.2	73.9	73.7	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		37.9	38.2	39.4	39.2	-	-	-	-	-	-
Services		434.7	432.6	438.8	437.8	-	-	-	-	-	-
Hospitals	806	247.2	248.0	252.1	252.1	-	-	-	-	-	-
State government		4,168	4,047	4,287	4,244	4,108	-	-	-	-	-
Hospitals	806	448.2	448.6	452.1	450.7	-	-	-	-	-	-
Education	82	1,719.0	1,590.1	1,779.8	1,737.7	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,477.5	1,484.4	1,526.4	1,526.0	-	-	-	-	-	-
Local government		10,670	10,528	10,975	10,959	10,775	-	-	-	-	-
Transportation and public utilities		491.4	492.5	495.4	495.3	-	-	-	-	-	-
Hospitals	806	631.1	633.7	663.0	665.6	-	-	-	-	-	-
Education	82	6,083.9	5,961.0	6,242.0	6,230.9	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,133.9	3,113.6	3,232.0	3,227.9	-	-	-	-	-	-

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

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

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

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

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

⁵ Includes rural mail carriers.

- Data not available.

^a = preliminary.

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

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Oct. 1988	Nov. 1988	Sept. 1989	Oct. 1989	Nov. 1989
Total	49,971	50,437	51,149	51,600	52,017
Total private	40,806	41,117	42,059	42,150	42,453
Goods-producing	7,133	7,144	7,220	7,202	7,184
Mining	97	97	98	98	97
Construction	562	561	589	593	588
Manufacturing	6,474	6,486	6,533	6,511	6,499
Durable goods	3,105	3,117	3,095	3,089	3,089
Lumber and wood products	126	127	125	124	123
Furniture and fixtures	166	167	165	164	166
Stone, clay, and glass products	122	122	123	124	124
Primary metal industries	107	107	107	106	106
Fabricated metal products	327	329	325	324	323
Machinery, except electrical	465	468	472	470	473
Electrical and electronic equipment	874	876	845	842	839
Transportation equipment	402	404	408	407	410
Instruments and related products	331	333	339	340	340
Miscellaneous manufacturing	184	184	186	188	186
Nondurable goods	3,369	3,369	3,438	3,422	3,410
Food and kindred products	554	545	593	573	559
Tobacco manufactures	20	20	19	19	18
Textile mill products	351	352	353	353	352
Apparel and other textile products	870	873	867	867	865
Paper and allied products	172	172	173	173	174
Printing and publishing	684	691	705	708	715
Chemicals and allied products	315	314	328	327	327
Petroleum and coal products	25	25	27	27	26
Rubber and misc. plastics products	291	292	291	292	291
Leather and leather products	87	86	83	84	82
Service-producing	42,838	43,293	43,929	44,398	44,833
Transportation and public utilities	1,620	1,624	1,643	1,655	1,661
Wholesale trade	1,841	1,849	1,911	1,922	1,932
Retail trade	10,242	10,462	10,469	10,480	10,709
Finance, insurance, and real estate	4,187	4,202	4,301	4,295	4,310
Services	15,783	15,836	16,515	16,596	16,657
Government	9,165	9,320	9,090	9,450	9,564
Federal	1,061	1,061	1,063	1,059	1,060
State	2,060	2,076	2,020	2,098	2,116
Local	6,044	6,183	6,007	6,293	6,388

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

introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
Total	107,442	107,711	107,888	108,101	108,310	108,607	108,767	108,887	109,096	109,171	109,452	109,548	109,823
Total private	89,897	90,124	90,291	90,475	90,623	90,884	91,016	91,083	91,230	91,328	91,622	91,685	91,962
Goods-producing	25,626	25,629	25,646	25,671	25,672	25,648	25,669	25,694	25,614	25,603	25,609	25,533	25,526
Mining	711	711	714	720	722	715	706	729	730	731	737	739	740
Oil and gas extraction	393	394	397	400	401	402	404	405	408	409	414	416	417
Construction	5,267	5,270	5,252	5,279	5,283	5,283	5,314	5,321	5,325	5,335	5,355	5,305	5,409
General building contractors	1,404	1,398	1,380	1,377	1,388	1,384	1,391	1,403	1,396	1,386	1,391	1,390	1,419
Manufacturing	19,648	19,648	19,680	19,672	19,667	19,650	19,649	19,644	19,559	19,537	19,517	19,489	19,377
Durable goods	11,605	11,594	11,604	11,600	11,594	11,567	11,549	11,551	11,480	11,457	11,439	11,411	11,310
Lumber and wood products	784	778	777	772	771	769	767	763	759	764	765	766	771
Furniture and fixtures	532	534	535	537	534	534	536	529	528	525	525	523	521
Stone, clay, and glass products	607	608	607	606	604	603	602	601	597	600	602	600	602
Primary metal industries	786	786	788	788	787	787	785	786	777	776	772	771	767
Blast furnaces and basic steel products	276	276	276	275	276	276	277	276	273	271	269	270	268
Fabricated metal products	1,458	1,458	1,457	1,454	1,452	1,449	1,446	1,443	1,438	1,434	1,430	1,427	1,410
Machinery, except electrical	2,134	2,138	2,143	2,144	2,150	2,151	2,154	2,152	2,147	2,139	2,146	2,144	2,142
Electrical and electronic equipment	2,065	2,062	2,060	2,058	2,050	2,041	2,040	2,034	2,023	2,018	2,012	1,994	1,996
Transportation equipment	2,079	2,067	2,071	2,073	2,076	2,062	2,046	2,068	2,038	2,031	2,020	2,022	1,929
Motor vehicles and equipment	882	871	869	875	876	861	844	873	843	833	824	824	734
Instruments and related products	770	772	776	777	778	779	781	782	780	779	778	773	777
Miscellaneous manufacturing	390	391	390	391	392	392	392	393	393	391	389	391	395
Nondurable goods	8,043	8,054	8,076	8,072	8,073	8,083	8,100	8,093	8,079	8,080	8,078	8,078	8,067
Food and kindred products	1,650	1,650	1,655	1,657	1,656	1,663	1,678	1,667	1,674	1,676	1,673	1,676	1,677
Tobacco manufactures	56	56	56	54	53	52	53	52	51	51	51	51	52
Textile mill products	728	728	729	728	728	729	730	727	723	724	721	719	714
Apparel and other textile products	1,092	1,096	1,101	1,098	1,095	1,093	1,094	1,095	1,088	1,084	1,084	1,079	1,074
Paper and allied products	696	696	697	696	697	697	701	700	697	697	697	699	700
Printing and publishing	1,595	1,595	1,600	1,601	1,603	1,607	1,609	1,611	1,612	1,612	1,617	1,619	1,625
Chemicals and allied products	1,084	1,085	1,088	1,090	1,094	1,096	1,091	1,097	1,095	1,096	1,098	1,103	1,102
Petroleum and coal products	160	161	161	162	162	163	163	163	163	164	164	163	163
Rubber and misc. plastics products	839	843	845	843	843	841	841	841	837	837	835	832	824
Leather and leather products	143	144	144	143	142	142	140	140	139	139	138	137	136
Service-producing	81,816	82,082	82,242	82,430	82,638	82,959	83,098	83,193	83,482	83,568	83,843	84,015	84,297
Transportation and public utilities	5,654	5,667	5,666	5,682	5,700	5,716	5,736	5,618	5,709	5,729	5,753	5,832	5,859
Transportation	3,439	3,453	3,452	3,467	3,484	3,500	3,524	3,539	3,546	3,566	3,592	3,614	3,641
Communication and public utilities	2,215	2,214	2,214	2,215	2,216	2,216	2,212	2,079	2,163	2,163	2,161	2,218	2,218
Wholesale trade	6,146	6,171	6,197	6,206	6,222	6,230	6,237	6,256	6,264	6,278	6,300	6,308	6,332
Durable goods	3,638	3,657	3,676	3,676	3,685	3,693	3,700	3,708	3,717	3,721	3,737	3,746	3,757
Nondurable goods	2,508	2,514	2,521	2,530	2,537	2,537	2,537	2,548	2,547	2,557	2,563	2,562	2,575
Retail trade	19,407	19,460	19,488	19,489	19,528	19,551	19,586	19,621	19,632	19,679	19,744	19,714	19,831
General merchandise stores	2,472	2,481	2,490	2,492	2,491	2,493	2,482	2,484	2,486	2,478	2,492	2,468	2,494
Food stores	3,200	3,212	3,223	3,233	3,245	3,262	3,274	3,293	3,294	3,321	3,334	3,342	3,366
Automotive dealers and service stations	2,143	2,150	2,155	2,159	2,159	2,155	2,155	2,152	2,157	2,169	2,169	2,161	2,163
Eating and drinking places	6,323	6,332	6,322	6,335	6,348	6,362	6,370	6,385	6,397	6,403	6,417	6,432	6,459
Finance, insurance, and real estate	6,746	6,763	6,774	6,776	6,790	6,808	6,815	6,836	6,852	6,851	6,871	6,882	6,892
Finance	3,308	3,311	3,316	3,312	3,320	3,320	3,324	3,336	3,343	3,345	3,357	3,362	3,363
Insurance	2,109	2,116	2,117	2,119	2,123	2,129	2,131	2,137	2,137	2,134	2,138	2,142	2,149
Real estate	1,329	1,336	1,341	1,345	1,347	1,359	1,360	1,363	1,372	1,372	1,376	1,378	1,380
Services	26,318	26,434	26,520	26,651	26,711	26,931	26,973	27,058	27,159	27,188	27,345	27,416	27,522
Business services	5,707	5,729	5,736	5,760	5,776	5,799	5,786	5,800	5,836	5,827	5,852	5,854	5,862
Health services	7,396	7,442	7,488	7,528	7,570	7,616	7,648	7,695	7,739	7,778	7,839	7,885	7,933
Government	17,545	17,587	17,597	17,626	17,687	17,723	17,751	17,804	17,866	17,843	17,830	17,863	17,861
Federal	2,978	2,982	2,982	2,982	2,999	2,995	3,000	2,999	2,996	2,984	2,982	2,972	2,984
State	4,084	4,095	4,102	4,111	4,119	4,136	4,145	4,154	4,182	4,153	4,162	4,157	4,145
Local	10,483	10,510	10,513	10,533	10,569	10,592	10,606	10,651	10,688	10,706	10,686	10,734	10,732

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1988

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1985 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1988		1989										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total	49,799	49,963	50,130	50,302	50,414	50,515	50,670	50,894	51,023	51,124	51,247	51,212	51,375
Total private	40,776	40,943	41,093	41,239	41,340	41,418	41,530	41,717	41,794	41,832	41,950	41,957	42,125
Goods-producing	7,095	7,112	7,141	7,152	7,159	7,161	7,166	7,165	7,176	7,167	7,147	7,142	7,138
Mining	97	97	97	97	97	97	97	99	98	99	98	98	97
Construction	557	561	566	571	571	573	577	577	577	580	581	586	584
Manufacturing	6,441	6,454	6,478	6,484	6,491	6,491	6,492	6,489	6,501	6,488	6,468	6,458	6,457
Durable goods	3,097	3,103	3,113	3,111	3,109	3,111	3,108	3,103	3,103	3,099	3,084	3,072	3,071
Lumber and wood products	127	127	127	127	127	126	126	125	124	124	123	123	123
Furniture and fixtures	165	165	166	166	167	167	167	167	169	165	165	163	165
Stone, clay, and glass products	122	123	123	123	123	124	124	123	123	123	122	123	124
Primary metal industries	106	107	108	107	108	108	108	108	107	108	107	106	106
Fabricated metal products	327	327	330	329	328	327	327	326	327	325	324	322	321
Machinery, except electrical	469	469	471	471	471	471	472	474	475	475	474	472	473
Electrical and electronic equipment	869	866	864	863	860	859	853	850	847	846	840	835	832
Transportation equipment	402	405	407	407	408	409	410	409	407	410	406	407	408
Instruments and related products	332	335	337	337	337	338	339	338	341	340	340	340	339
Miscellaneous manufacturing	178	179	180	181	180	182	182	183	183	183	183	181	180
Nondurable goods	3,344	3,351	3,365	3,373	3,382	3,380	3,384	3,386	3,398	3,389	3,384	3,386	3,386
Food and kindred products	535	532	536	537	537	537	537	540	551	540	549	548	548
Tobacco manufactures	18	19	18	19	19	18	17	17	18	18	17	17	17
Textile mill products	350	350	352	352	354	353	353	353	353	352	350	352	350
Apparel and other textile products	867	869	871	874	877	875	873	871	870	869	863	860	860
Paper and allied products	171	171	171	171	171	171	171	172	173	174	172	173	172
Printing and publishing	688	692	697	698	700	702	706	708	709	710	708	709	713
Chemicals and allied products	315	316	318	319	321	322	325	325	324	326	326	327	328
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rubber and misc. plastics products	291	292	292	292	293	292	292	291	292	292	291	291	290
Leather and leather products	84	84	84	85	84	84	84	83	82	82	82	82	81
Service-producing	42,704	42,851	42,989	43,150	43,255	43,354	43,504	43,729	43,847	43,957	44,100	44,070	44,237
Transportation and public utilities	1,614	1,621	1,626	1,630	1,629	1,628	1,635	1,645	1,652	1,585	1,633	1,642	1,651
Wholesale trade	1,835	1,845	1,854	1,862	1,866	1,876	1,888	1,893	1,899	1,905	1,907	1,907	1,919
Retail trade	10,213	10,238	10,287	10,318	10,336	10,337	10,373	10,387	10,407	10,444	10,438	10,428	10,458
Finance, insurance, and real estate	4,212	4,222	4,227	4,242	4,249	4,247	4,257	4,271	4,278	4,292	4,310	4,308	4,319
Services	15,807	15,905	15,958	16,035	16,101	16,169	16,211	16,356	16,382	16,439	16,515	16,530	16,640
Government	9,023	9,020	9,037	9,063	9,074	9,097	9,140	9,177	9,229	9,292	9,297	9,255	9,250
Federal	1,066	1,065	1,063	1,064	1,064	1,064	1,070	1,070	1,071	1,070	1,067	1,064	1,064
State	2,013	2,013	2,012	2,017	2,020	2,023	2,034	2,043	2,048	2,050	2,063	2,045	2,050
Local	5,944	5,942	5,962	5,982	5,990	6,010	6,036	6,064	6,110	6,172	6,167	6,146	6,136

¹ This series is not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

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

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^P	Jan. ^P
Total private	72,774	72,949	73,101	73,204	73,315	73,555	73,670	73,741	73,837	73,897	74,174	74,198	74,433
Goods-producing	18,065	18,048	18,052	18,053	18,058	18,022	18,047	18,071	17,987	17,978	17,975	17,902	17,916
Mining	510	510	514	519	521	511	503	525	525	527	530	530	531
Construction	4,132	4,112	4,096	4,104	4,111	4,111	4,134	4,145	4,143	4,144	4,169	4,114	4,234
Manufacturing	13,423	13,426	13,442	13,430	13,426	13,400	13,410	13,401	13,319	13,307	13,276	13,258	13,151
Durable goods	7,758	7,749	7,749	7,744	7,735	7,706	7,697	7,696	7,632	7,615	7,594	7,580	7,479
Lumber and wood products	652	648	646	642	641	638	636	633	629	633	633	632	638
Furniture and fixtures	426	427	428	428	427	426	427	421	420	418	417	416	413
Stone, clay, and glass products	473	474	472	471	469	468	468	467	463	466	467	465	468
Primary metal industries	603	602	603	603	601	602	601	600	593	590	586	586	582
Blast furnaces and basic steel products	215	215	213	211	210	211	211	214	212	209	207	208	205
Fabricated metal products	1,089	1,087	1,086	1,080	1,079	1,074	1,073	1,069	1,062	1,061	1,056	1,056	1,039
Machinery, except electrical	1,292	1,298	1,298	1,298	1,302	1,303	1,309	1,304	1,299	1,293	1,300	1,300	1,298
Electrical and electronic equipment	1,222	1,218	1,214	1,213	1,205	1,198	1,199	1,195	1,189	1,184	1,181	1,171	1,176
Transportation equipment	1,294	1,286	1,292	1,297	1,297	1,284	1,270	1,291	1,262	1,255	1,243	1,242	1,145
Motor vehicles and equipment	687	677	675	680	681	667	650	677	648	638	629	630	539
Instruments and related products	424	425	427	428	430	429	431	430	431	431	429	427	430
Miscellaneous manufacturing	283	284	283	284	284	284	283	286	284	284	282	285	290
Nondurable goods	5,665	5,677	5,693	5,686	5,691	5,694	5,713	5,705	5,687	5,692	5,682	5,678	5,672
Food and kindred products	1,175	1,177	1,182	1,184	1,184	1,190	1,205	1,197	1,203	1,205	1,200	1,202	1,206
Tobacco manufactures	41	41	41	40	38	38	39	39	38	38	38	38	39
Textile mill products	630	630	630	630	630	630	631	627	623	625	622	621	615
Apparel and other textile products	922	926	930	927	925	922	922	922	917	914	913	908	904
Paper and allied products	524	524	525	524	525	525	528	528	524	526	526	527	529
Printing and publishing	887	888	891	889	891	892	893	894	892	892	896	898	901
Chemicals and allied products	607	608	610	609	614	616	614	617	614	617	617	619	619
Petroleum and coal products	104	105	105	105	106	107	107	107	107	107	107	106	105
Rubber and misc. plastics products	656	659	660	660	660	656	657	658	653	653	649	646	641
Leather and leather products	119	119	119	118	118	118	117	116	116	115	114	113	113
Service-producing	54,709	54,901	55,049	55,151	55,257	55,533	55,623	55,670	55,850	55,919	56,199	56,296	56,517
Transportation and public utilities	4,704	4,718	4,718	4,735	4,752	4,763	4,779	4,665	4,758	4,782	4,800	4,878	4,898
Wholesale trade	4,948	4,970	4,990	4,996	5,007	5,016	5,021	5,038	5,037	5,053	5,066	5,069	5,095
Retail trade	17,171	17,215	17,244	17,235	17,280	17,317	17,338	17,388	17,391	17,383	17,490	17,453	17,547
Finance, insurance, and real estate	4,886	4,893	4,900	4,902	4,918	4,933	4,944	4,954	4,969	4,972	4,985	4,987	4,998
Services	23,000	23,105	23,197	23,283	23,300	23,504	23,541	23,625	23,695	23,729	23,858	23,909	23,979

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

^P = preliminary.

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

**ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED**

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

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Private nonagricultural payrolls, 349 industries ¹												
Over 1-month span:												
1988	60.7	63.5	63.0	62.8	61.3	67.2	63.6	58.0	55.4	63.9	68.2	64.6
1989	68.3	60.5	61.0	58.2	55.6	59.7	55.6	57.4	47.9	55.3	60.9	^P 52.6
1990	^P 59.5											
Over 3-month span:												
1988	64.8	65.6	69.5	70.2	71.1	71.9	71.2	64.2	65.3	70.1	73.4	74.6
1989	71.6	70.1	64.5	61.9	61.6	60.7	61.6	53.4	54.6	55.7	^P 57.6	^P 60.3
1990												
Over 6-month span:												
1988	69.9	70.2	71.5	73.9	73.9	69.1	70.2	74.6	73.5	73.9	74.5	75.8
1989	75.1	69.5	68.2	66.0	63.0	57.9	57.7	60.2	^P 54.6	^P 58.2		
1990												
Over 12-month span:												
1988	76.2	76.1	74.8	74.6	75.8	74.9	78.1	75.5	75.5	74.8	74.9	74.1
1989	73.2	73.6	69.6	67.6	66.6	^P 63.0	^P 63.9					
1990												
Manufacturing payrolls, 141 industries ¹												
Over 1-month span:												
1988	58.5	56.0	55.0	59.9	58.5	61.7	59.6	51.1	49.3	62.8	64.9	58.5
1989	62.4	53.5	53.2	49.6	46.8	48.6	49.6	45.4	34.8	52.1	48.2	^P 45.7
1990	^P 48.2											
Over 3-month span:												
1988	63.1	61.0	62.4	64.9	67.4	67.0	64.5	58.2	62.1	66.7	71.3	70.9
1989	67.4	63.8	55.7	51.8	49.3	48.6	47.9	34.0	41.8	41.5	^P 47.5	^P 43.3
1990												
Over 6-month span:												
1988	66.3	66.3	67.7	69.5	66.7	64.2	66.0	70.9	68.8	69.9	71.6	74.1
1989	69.5	58.5	55.7	52.8	48.9	39.0	40.1	41.8	^P 37.2	^P 38.7		
1990												
Over 12-month span:												
1988	73.8	70.2	70.9	71.6	72.0	69.9	70.9	69.1	71.6	70.2	69.9	67.0
1989	63.1	63.8	57.1	53.5	49.6	^P 44.3	^P 45.4					
1990												

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

^P = preliminary.

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

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

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
Alabama	1,573.8	1,592.3	1,588.9	11.3	11.6	11.6	76.5	74.8	73.8
Birmingham	407.1	408.1	410.2	5.0	4.9	4.8	24.5	23.8	23.8
Huntsville	132.4	136.2	136.7	.1	.1	.1	5.7	6.0	5.9
Mobile	165.8	168.3	168.5	.7	.7	.7	10.1	10.4	10.3
Montgomery	130.3	129.9	129.8	.1	.1	.1	8.0	7.6	7.5
Tuscaloosa	62.5	63.8	64.2	2.7	2.6	2.7	3.0	3.0	3.0
Alaska	207.1	216.3	214.2	9.3	10.4	10.1	6.7	8.5	7.4
Arizona	1,434.8	1,476.7	1,486.2	12.1	12.1	12.3	92.6	89.4	87.5
Phoenix	943.0	972.3	979.7	.8	.9	.9	63.6	60.1	58.9
Tucson	252.9	256.2	257.5	1.9	2.1	2.1	16.9	16.0	15.7
Arkansas	873.1	896.7	896.2	4.2	4.4	4.4	33.3	34.5	34.0
Fayetteville-Springdale	51.7	53.1	52.9	(¹)	(¹)	(¹)	1.7	1.8	1.7
Fort Smith	76.3	75.9	74.4	1.0	.9	.9	2.4	2.6	2.6
Little Rock-North Little Rock	242.7	247.2	247.6	.4	.4	.4	10.2	10.5	10.2
Pine Bluff	33.8	34.1	34.2	(¹)	(¹)	(¹)	1.9	1.9	1.9
California	12,378.3	12,640.5	12,688.7	41.5	41.7	41.8	631.1	664.5	660.2
Anaheim-Santa Ana	1,154.3	1,176.8	1,181.5	1.3	1.3	1.3	67.7	70.3	69.5
Bakersfield	161.7	164.0	164.2	13.7	14.2	14.2	9.6	9.7	9.6
Fresno	212.2	217.4	217.5	.6	.6	.6	12.0	13.1	13.2
Los Angeles-Long Beach	4,201.5	4,261.8	4,280.8	9.7	10.0	10.1	153.5	161.1	161.8
Modesto	112.4	115.6	115.3	(¹)	(¹)	(¹)	7.4	8.0	7.9
Oakland	865.2	896.2	900.0	3.3	3.7	3.7	50.9	55.9	55.5
Oxnard-Ventura	218.6	226.4	227.8	2.8	2.8	2.8	14.0	15.3	15.2
Riverside-San Bernardino	638.6	652.7	655.5	1.3	1.3	1.3	53.4	55.4	55.1
Sacramento	589.2	611.9	614.8	.6	.8	.7	34.3	37.5	36.6
San Diego	942.6	973.6	976.3	.8	.8	.8	60.7	61.3	61.1
San Francisco	965.3	976.9	979.3	.9	.9	.9	37.1	39.7	39.3
San Jose	828.3	827.2	828.9	.1	.1	.1	33.6	34.2	33.9
Santa Barbara-Santa Maria-Lompoc	148.5	151.0	150.1	1.5	1.5	1.5	6.8	7.3	7.3
Santa Rosa-Petaluma	129.4	134.6	134.4	.7	.7	.7	8.1	9.8	9.6
Stockton	148.2	148.2	147.8	.1	.1	.1	8.2	8.8	8.5
Vallejo-Fairfield-Napa	132.0	137.6	137.3	.6	.7	.7	10.3	11.1	11.0
Colorado	1,444.9	1,461.8	1,465.1	20.6	21.0	21.0	56.9	60.1	56.6
Boulder-Longmont	110.1	111.4	110.7	.3	.3	.3	3.5	3.7	3.4
Denver	805.5	816.3	816.7	12.4	12.0	12.0	29.8	30.1	28.4
Connecticut	1,709.2	1,715.1	1,721.8	1.6	1.4	1.3	77.9	78.1	76.6
Bridgeport-Milford	205.8	205.7	205.7	(¹)	(¹)	(¹)	9.3	9.5	9.3
Hartford	494.2	493.2	496.0	.4	.4	.4	21.4	21.6	21.3
New Britain	66.2	66.6	66.5	(¹)	(¹)	(¹)	4.3	4.8	4.7
New Haven-Meriden	266.2	270.5	272.0	.4	.4	.4	14.4	15.3	15.1
Stamford	128.3	127.4	127.9	.5	.4	.4	5.6	5.6	5.5
Waterbury	89.6	89.2	89.7	(¹)	(¹)	(¹)	5.2	5.4	5.4
Delaware	338.0	342.7	344.5	.1	.1	.1	21.9	20.1	19.4
Wilmington	291.2	293.2	292.5	.2	.2	.2	18.6	17.8	17.2
District of Columbia	682.2	694.9	698.7	.1	.1	.1	13.1	13.6	13.2
Washington MSA	2,220.4	2,283.9	2,290.4	1.1	1.1	1.1	143.5	149.9	144.0
Florida	5,257.1	5,393.2	5,455.1	9.3	9.5	9.5	352.9	348.8	348.1
Daytona Beach	118.2	121.9	122.5	(¹)	(¹)	(¹)	8.7	8.5	8.5
Fort Lauderdale-Hollywood-Pompano Beach	500.6	506.6	513.3	.3	.4	.4	37.9	37.1	36.7
Fort Myers-Cape Coral	123.3	128.2	130.1	(¹)	(¹)	(¹)	14.1	13.6	13.6
Jacksonville	418.8	428.6	431.2	.7	.7	.7	27.0	27.2	27.4
Melbourne-Titusville-Palm Bay	156.4	162.2	162.8	(¹)	(¹)	(¹)	9.0	9.0	8.8
Miami-Hialeah	877.9	893.3	900.1	.9	.9	.9	40.2	39.1	39.3
Orlando	514.5	530.1	534.5	(¹)	(¹)	(¹)	38.1	38.6	38.8
Pensacola	126.2	128.2	128.8	.3	.3	.3	8.0	8.5	8.3
Sarasota	113.6	116.5	117.3	(¹)	(¹)	(¹)	10.3	10.3	10.3
Tallahassee	116.8	119.8	120.9	(¹)	(¹)	(¹)	5.7	5.5	5.5
Tampa-St. Petersburg-Clearwater	853.5	869.4	873.7	.7	.8	.8	57.9	56.7	56.4
West Palm Beach-Boca Raton-Delray Beach	363.2	375.1	380.5	(¹)	(¹)	(¹)	31.5	29.4	29.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Alabama	380.7	386.5	382.5	79.1	79.2	79.1	355.2	351.5	354.4
Birmingham	57.7	57.2	57.3	32.1	31.8	31.7	103.1	103.3	105.2
Huntsville	33.9	33.6	33.6	2.9	3.1	3.1	25.7	26.1	26.7
Mobile	24.9	25.2	25.0	10.0	9.9	9.8	44.9	45.4	45.9
Montgomery	18.9	17.8	17.3	5.1	5.1	5.0	29.8	29.9	30.1
Tuscaloosa	10.0	10.0	10.0	2.0	2.0	2.0	13.2	13.5	13.7
Alaska	10.9	11.6	10.8	16.8	17.7	17.7	42.4	43.6	43.8
Arizona	189.8	190.3	190.3	73.1	74.6	75.7	359.3	374.3	382.4
Phoenix	138.2	139.9	139.8	50.9	52.3	53.1	242.7	252.7	258.5
Tucson	30.0	28.1	28.0	9.2	9.5	9.6	59.2	61.3	62.4
Arkansas	232.2	232.9	232.5	51.7	52.7	52.1	196.3	202.7	204.3
Fayetteville-Springdale	13.1	13.0	12.9	4.6	4.7	4.7	12.1	12.5	12.6
Fort Smith	26.3	25.0	24.1	4.3	4.4	4.4	15.7	15.6	15.7
Little Rock-North Little Rock	35.8	35.2	35.3	17.3	17.4	17.4	58.5	59.4	60.1
Pine Bluff	6.5	6.4	6.3	2.5	2.6	2.5	7.4	7.5	7.7
California	2,163.1	2,163.6	2,160.3	592.1	603.4	605.4	2,998.6	3,025.4	3,072.8
Anaheim-Santa Ana	259.9	258.9	258.4	34.4	34.4	34.4	293.2	298.7	303.7
Bakersfield	10.6	10.4	10.4	7.3	7.6	7.5	39.2	39.0	39.4
Fresno	21.9	23.1	22.5	11.7	11.7	11.6	54.1	54.8	55.3
Los Angeles-Long Beach	904.5	896.0	894.7	207.0	207.6	208.7	995.9	997.1	1,015.5
Modesto	23.8	24.2	23.6	4.7	5.1	5.1	30.3	30.7	31.0
Oakland	109.2	111.4	111.2	57.4	61.0	61.3	217.8	222.2	226.5
Oxnard-Ventura	30.2	31.2	30.9	11.1	11.6	11.9	55.6	56.3	57.4
Riverside-San Bernardino	82.3	84.4	84.2	30.5	30.5	30.7	161.6	161.0	163.3
Sacramento	42.0	42.9	42.8	26.0	26.7	26.7	144.2	147.0	149.0
San Diego	129.0	134.1	134.2	35.6	36.4	36.6	234.2	239.3	241.5
San Francisco	81.2	81.8	81.5	77.5	79.4	80.0	222.0	219.1	220.9
San Jose	276.3	272.9	273.3	21.7	21.9	22.1	165.1	160.8	163.0
Santa Barbara-Santa Maria-Lompoc	22.0	21.7	21.7	5.2	5.4	5.5	35.6	35.9	35.9
Santa Rosa-Petaluma	19.8	20.2	20.1	5.8	5.8	5.8	33.9	35.0	35.4
Stockton	23.8	23.1	22.8	9.1	8.9	9.0	35.5	35.0	35.2
Vallejo-Fairfield-Napa	11.9	12.2	12.0	4.7	4.9	4.9	32.7	34.4	34.6
Colorado	191.7	192.9	192.7	91.1	90.5	90.9	359.0	363.2	367.1
Boulder-Longmont	30.0	29.8	30.0	2.3	2.4	2.4	23.4	23.9	24.0
Denver	95.4	95.5	95.6	66.5	67.0	67.5	201.7	202.7	205.5
Connecticut	376.7	368.4	367.9	73.4	72.8	72.9	400.6	402.2	409.4
Bridgeport-Milford	57.0	54.7	54.5	8.5	8.7	8.7	48.8	47.7	48.5
Hartford	90.1	88.3	88.6	19.1	19.3	19.4	108.9	107.3	109.4
New Britain	19.2	17.8	17.6	3.2	3.3	3.3	13.9	14.1	14.3
New Haven-Meriden	48.1	47.6	47.7	17.9	18.3	18.3	63.8	64.0	65.0
Stamford	23.0	21.6	21.4	5.5	5.7	5.7	31.1	30.4	31.3
Waterbury	24.0	22.5	22.5	3.1	3.2	3.2	18.1	18.2	18.7
Delaware	70.9	69.2	71.9	14.2	13.6	13.6	74.6	76.9	76.9
Wilmington	60.3	58.4	58.3	15.2	15.5	15.5	62.0	63.6	63.7
District of Columbia	16.3	16.1	15.9	25.3	25.5	25.4	68.1	68.7	69.4
Washington MSA	87.7	86.2	85.8	111.5	116.9	117.9	448.1	452.0	461.8
Florida	545.3	549.2	550.7	266.9	269.9	273.3	1,458.4	1,487.5	1,524.4
Daytona Beach	11.8	12.0	12.1	3.7	3.8	3.9	35.6	36.4	37.1
Fort Lauderdale-Hollywood-Pompano Beach	47.2	47.4	47.5	24.0	23.6	24.3	152.1	152.5	156.6
Fort Myers-Cape Coral	6.2	6.8	6.8	5.4	5.4	5.5	36.7	38.5	39.5
Jacksonville	39.1	40.2	40.2	27.9	27.5	27.6	117.4	120.1	121.7
Melbourne-Titusville-Palm Bay	29.8	30.6	30.9	6.0	6.1	6.1	37.0	39.2	39.4
Miami-Hialeah	93.8	92.1	91.9	71.0	69.2	69.5	243.3	249.0	253.7
Orlando	57.2	56.5	56.2	26.6	26.0	26.5	136.6	138.0	140.1
Pensacola	11.2	11.3	11.4	6.6	6.6	6.7	32.3	32.3	32.8
Sarasota	6.8	8.8	8.8	3.5	3.5	3.6	34.0	35.0	35.5
Tallahassee	5.0	4.9	4.9	2.8	2.8	2.9	25.0	25.7	26.0
Tampa-St. Petersburg-Clearwater	97.2	96.8	96.8	39.4	40.2	41.1	237.1	243.5	245.6
West Palm Beach-Boca Raton-Delray Beach	34.8	35.4	35.2	12.6	13.4	13.5	101.8	105.9	109.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
Alabama	70.8	71.7	71.6	290.9	298.6	298.3	309.3	318.4	317.6
Birmingham	28.0	27.5	27.5	94.6	96.8	96.9	62.1	62.8	63.0
Huntsville	3.7	3.9	3.9	30.8	32.0	32.1	29.6	31.4	31.3
Mobile	8.0	7.9	7.9	38.7	39.2	39.5	28.5	29.6	29.4
Montgomery	7.7	7.7	7.7	28.3	29.1	29.2	32.4	32.6	32.9
Tuscaloosa	2.1	2.1	2.1	9.0	9.4	9.4	20.5	21.2	21.3
Alaska	10.4	10.5	10.4	42.4	43.8	43.8	68.2	70.2	70.2
Arizona	91.5	93.1	93.3	363.2	380.0	383.0	253.2	262.9	261.7
Phoenix	72.8	74.7	74.8	244.9	256.4	258.8	129.1	135.3	134.9
Tucson	12.0	11.5	11.5	68.2	71.2	71.5	55.5	56.5	56.7
Arkansas	37.8	38.0	37.9	163.7	173.5	173.2	153.9	158.0	157.8
Fayetteville-Springdale	1.5	1.5	1.5	7.9	8.3	8.3	10.8	11.3	11.2
Fort Smith	2.7	2.6	2.6	16.2	16.4	16.1	7.7	8.4	8.0
Little Rock-North Little Rock	15.8	15.9	15.9	57.2	60.5	60.4	47.5	47.9	47.9
Pine Bluff	1.4	1.3	1.4	6.5	6.8	6.8	7.6	7.6	7.6
California	821.6	835.3	837.5	3,141.5	3,238.6	3,244.6	1,988.8	2,068.0	2,066.1
Anaheim-Santa Ana	92.1	92.2	92.2	284.1	295.7	296.8	121.6	125.3	125.2
Bakersfield	6.4	6.5	6.5	33.1	33.1	33.0	41.8	43.5	43.6
Fresno	12.1	12.0	12.0	52.0	53.3	53.4	47.8	48.8	48.9
Los Angeles-Long Beach	288.2	292.8	293.6	1,120.1	1,155.6	1,153.5	522.6	541.6	542.9
Modesto	4.4	4.4	4.4	23.2	23.6	23.8	18.6	19.6	19.5
Oakland	55.6	56.7	56.9	205.2	216.0	216.6	165.8	169.3	168.3
Oxnard-Ventura	11.3	11.5	11.5	52.4	55.1	55.5	41.2	42.6	42.6
Riverside-San Bernardino	28.2	28.8	29.1	152.1	155.9	156.4	129.2	135.4	135.4
Sacramento	36.4	37.8	37.9	129.2	135.1	137.0	176.5	184.1	184.1
San Diego	64.8	65.5	65.4	249.7	262.3	262.5	167.8	173.9	174.2
San Francisco	111.7	110.6	110.8	297.7	304.8	306.2	137.2	140.6	139.7
San Jose	32.7	33.0	33.0	211.7	215.4	214.4	87.1	88.9	89.1
Santa Barbara-Santa Maria-Lompoc	8.6	8.9	8.9	40.4	40.9	40.8	28.4	29.4	28.5
Santa Rosa-Petaluma	8.6	8.5	8.5	28.8	30.2	30.1	23.7	24.4	24.2
Stockton	8.5	8.5	8.4	31.0	30.9	31.0	32.0	32.9	32.8
Vallejo-Fairfield-Napa	4.6	4.6	4.6	28.9	30.4	30.3	38.3	39.3	39.2
Colorado	94.3	95.1	96.3	356.9	360.4	365.7	274.4	278.6	274.8
Boulder-Longmont	4.1	4.1	4.2	23.4	24.2	24.2	23.1	23.0	22.2
Denver	62.5	62.9	63.2	208.4	215.6	215.9	128.8	130.5	128.6
Connecticut	154.2	154.5	155.1	412.3	423.3	425.1	212.5	214.4	213.5
Bridgeport-Milford	13.0	13.1	13.3	49.1	51.3	51.5	20.1	20.0	19.9
Hartford	75.5	76.1	76.6	115.4	116.6	116.8	63.4	63.6	63.5
New Britain	4.5	4.7	4.8	14.2	15.0	15.1	6.9	6.9	6.9
New Haven-Meriden	16.6	17.2	17.3	72.4	75.1	75.1	32.6	32.6	33.1
Stamford	14.1	14.8	14.7	37.6	38.1	38.2	10.9	10.8	10.7
Waterbury	4.5	4.8	4.8	21.8	22.0	22.2	12.9	13.1	12.9
Delaware	31.1	33.2	33.1	77.0	80.5	80.1	48.2	49.1	49.4
Wilmington	27.4	29.1	28.9	68.5	69.8	69.7	39.0	38.8	39.0
District of Columbia	34.6	34.9	34.8	249.4	259.7	260.6	275.2	276.5	279.2
Washington MSA	128.4	133.7	133.4	717.3	749.5	750.2	582.8	594.5	596.2
Florida	370.2	379.0	381.1	1,446.8	1,507.7	1,521.7	807.3	841.6	846.3
Daytona Beach	6.4	6.3	6.3	32.4	34.0	33.7	19.6	20.9	20.9
Fort Lauderdale-Hollywood-Pompano Beach	40.2	40.1	40.7	135.8	138.6	139.7	63.1	66.9	67.4
Fort Myers-Cape Coral	8.1	9.0	9.1	34.7	35.8	36.3	18.0	19.0	19.2
Jacksonville	39.5	40.3	40.5	106.3	110.0	110.2	60.9	62.6	62.9
Melbourne-Titusville-Palm Bay	5.7	5.8	5.8	47.0	48.1	48.4	21.8	23.1	23.3
Miami-Hialeah	72.2	73.0	73.1	238.3	248.5	250.1	118.2	121.5	121.6
Orlando	33.6	34.2	34.1	163.2	174.0	175.5	59.1	62.6	63.1
Pensacola	5.6	5.6	5.6	32.3	33.0	33.0	29.9	30.6	30.7
Sarasota	8.7	8.7	8.6	34.1	35.8	36.1	14.1	14.4	14.4
Tallahassee	4.9	5.0	5.0	23.8	24.3	24.3	49.3	51.3	52.0
Tampa-St. Petersburg-Clearwater	66.4	66.4	66.7	246.8	254.7	255.2	108.0	110.3	111.1
West Palm Beach-Boca Raton-Delray Beach	28.8	30.1	30.1	107.5	114.2	115.7	45.9	46.6	47.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Georgia	2,949.9	2,959.8	2,973.0	9.0	8.8	9.0	144.6	145.7	144.5
Athens	66.6	67.3	67.0	.1	.1	.1	2.5	2.6	2.6
Atlanta	1,443.1	1,459.3	1,470.1	1.5	1.3	1.3	68.7	68.4	67.9
Augusta	160.1	160.2	161.1	.5	.5	.5	10.6	10.8	10.8
Columbus	95.6	95.4	95.6	.1	.1	.1	5.1	5.0	4.9
Macon-Warner Robins	123.5	124.6	124.7	.1	.1	.1	5.2	5.1	5.1
Savannah	106.3	107.2	108.2	(¹)	(¹)	(¹)	6.3	6.8	6.8
Hawaii	490.1	503.6	504.7	(¹)	(¹)	(¹)	24.6	28.5	28.0
Honolulu	387.0	397.2	398.6	(¹)	(¹)	(¹)	19.1	22.0	21.7
Idaho	357.2	376.8	375.5	3.5	3.8	3.5	14.1	17.2	16.5
Boise City	94.8	99.0	98.4	(²)	(²)	(²)	4.9	4.9	4.9
Illinois	5,136.7	5,210.6	5,208.2	20.6	20.5	20.4	207.4	218.1	214.7
Aurora-Elgin	146.4	149.6	149.7	(¹)	(¹)	(¹)	7.3	8.5	8.2
Bloomington-Normal	61.0	64.2	64.4	(¹)	(¹)	(¹)	1.8	2.4	2.3
Champaign-Urbana-Rantoul	89.1	91.4	90.5	(¹)	(¹)	(¹)	2.7	2.7	2.7
Chicago	3,157.5	3,192.9	3,194.8	2.0	2.2	2.1	130.5	141.8	135.3
Davenport-Rock Island-Moline	156.2	158.9	158.0	(¹)	(¹)	(¹)	4.7	4.9	4.7
Decatur	52.9	53.3	53.7	(¹)	(¹)	(¹)	2.7	2.7	2.7
Joliet	99.6	99.5	99.7	(¹)	(¹)	(¹)	5.9	6.0	6.0
Kankakee	33.3	34.2	34.3	(¹)	(¹)	(¹)	1.2	1.3	1.3
Lake County	201.8	211.5	209.2	(¹)	(¹)	(¹)	9.7	12.1	11.4
Peoria	141.5	144.0	143.8	(¹)	(¹)	(¹)	5.9	6.4	6.3
Rockford	130.8	131.9	131.4	(¹)	(¹)	(¹)	4.5	4.7	4.5
Springfield	101.0	101.6	101.3	(¹)	(¹)	(¹)	2.9	3.1	2.9
Indiana	2,450.1	2,495.1	2,496.2	8.2	8.5	8.1	110.7	124.7	119.0
Anderson	49.9	50.5	50.7	(²)	(²)	(²)	1.4	1.7	1.6
Bloomington	55.2	60.3	59.2	(²)	(²)	(²)	2.3	3.4	3.1
Elkhart-Goshen	104.0	106.0	105.7	(²)	(²)	(²)	3.0	3.2	3.2
Evansville	131.5	137.7	133.4	2.1	2.2	2.1	7.2	7.5	7.1
Fort Wayne	195.6	200.6	200.3	(²)	(²)	(²)	9.5	10.4	10.0
Gary-Hammond	234.4	243.6	243.7	(²)	(²)	(²)	13.6	17.5	16.4
Indianapolis	637.4	654.8	657.8	.9	.9	.9	32.2	36.3	35.2
Lafayette-West Lafayette	65.5	69.6	69.0	(²)	(²)	(²)	3.3	3.8	3.7
Muncie	53.4	54.4	54.5	(²)	(²)	(²)	2.0	2.2	2.2
South Bend-Mishawaka	118.6	122.4	122.2	(²)	(²)	(²)	5.9	7.3	6.8
Terre Haute	54.6	55.9	55.8	.3	.3	.3	2.1	2.6	2.4
Iowa	1,185.6	1,213.6	1,208.6	2.1	2.1	2.0	36.8	41.7	37.0
Cedar Rapids	90.4	92.8	92.8	.1	.1	.1	3.2	3.3	3.3
Des Moines	219.5	224.4	224.1	(¹)	(¹)	(¹)	6.7	7.5	6.8
Dubuque	42.2	43.6	43.4	(¹)	(¹)	(¹)	1.0	1.1	1.0
Sioux City	53.0	53.8	54.1	(¹)	(¹)	(¹)	1.6	1.9	1.6
Waterloo-Cedar Falls	65.9	67.5	67.1	(¹)	(¹)	(¹)	2.1	2.8	2.5
Kansas	1,052.2	1,073.6	1,070.8	9.9	9.9	9.7	40.6	43.9	41.1
Topeka	90.2	91.0	91.5	(¹)	(¹)	(¹)	3.1	3.6	3.5
Wichita	240.9	246.0	246.4	2.0	2.1	2.1	9.8	9.9	9.7
Kentucky	1,395.4	1,419.7	1,420.9	34.9	34.4	33.4	63.7	65.3	63.8
Lexington-Fayette	196.2	203.1	202.1	.3	.1	.1	11.7	12.9	12.5
Louisville	456.9	464.9	466.4	.9	1.2	1.2	21.5	20.9	21.0
Owensboro	35.0	34.7	34.9	.6	.6	.6	1.9	1.8	1.8
Louisiana	1,517.0	1,533.0	1,528.8	56.7	57.4	57.2	84.8	92.9	91.2
Alexandria	45.3	45.9	45.5	.2	.2	.2	1.9	2.1	2.1
Baton Rouge	223.7	225.5	226.0	1.0	1.0	1.0	23.5	24.7	24.5
Houma-Thibodaux	54.7	54.2	53.9	5.9	5.9	5.7	1.8	1.9	1.9
Lafayette	86.3	88.1	88.3	11.3	11.5	11.5	3.4	3.7	3.6
Monroe	55.1	55.2	55.5	.5	.4	.4	2.2	2.5	2.8
New Orleans	521.3	524.0	524.6	15.3	14.8	14.7	22.6	22.2	22.0
Shreveport	129.2	129.1	127.8	3.2	3.2	3.2	6.4	6.3	6.1
Maine	530.1	535.5	533.5	.2	.2	.2	34.7	33.8	31.4
Lewiston-Auburn	42.0	42.6	42.5	(¹)	(¹)	(¹)	2.4	2.3	2.1
Portland	132.5	138.6	137.7	(¹)	(¹)	(¹)	9.1	9.5	9.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Georgia	569.8	562.0	566.9	186.2	187.4	189.4	783.1	766.5	774.0
Athens	15.1	15.0	14.9	1.8	1.8	1.8	14.8	14.8	14.9
Atlanta	179.6	173.6	177.8	122.3	122.2	123.7	416.5	417.6	422.6
Augusta	36.7	36.1	36.0	4.4	4.3	4.4	35.4	35.8	36.4
Columbus	20.5	20.4	20.2	3.5	3.5	3.5	21.4	21.6	21.7
Macon-Warner Robins	18.6	19.0	18.9	5.3	5.2	5.4	28.8	29.0	29.4
Savannah	17.8	18.0	18.1	9.5	10.3	10.7	26.9	26.1	26.5
Hawaii	22.3	21.6	21.4	38.8	40.7	40.6	130.9	132.0	133.0
Honolulu	16.5	16.0	16.0	31.9	33.4	33.4	102.4	102.8	103.5
Idaho	59.8	63.0	62.5	18.9	19.1	19.1	90.8	94.9	95.6
Boise City	13.5	15.1	15.2	5.2	5.3	5.2	24.5	24.7	24.6
Illinois	977.5	982.1	981.3	302.4	307.2	307.4	1,287.5	1,300.7	1,302.7
Aurora-Elgin	38.1	38.1	38.0	3.0	3.0	3.0	40.3	41.3	41.8
Bloomington-Normal	6.5	8.7	8.9	2.7	2.6	2.6	13.2	13.3	13.3
Champaign-Urbana-Rantoul	8.7	9.1	8.8	2.3	2.4	2.3	20.3	20.3	20.2
Chicago	566.4	562.4	561.8	190.4	191.5	191.5	800.9	798.1	806.9
Davenport-Rock Island-Moline	32.5	32.9	32.9	7.9	8.1	8.0	42.8	43.6	43.5
Decatur	13.6	13.8	13.8	5.0	5.2	5.2	12.2	11.7	12.1
Joliet	19.0	19.1	19.2	8.4	8.3	8.3	23.1	23.0	23.0
Kankakee	5.4	5.6	5.6	1.1	1.3	1.3	8.3	8.5	8.5
Lake County	43.4	44.7	44.5	7.1	7.2	7.2	57.5	60.4	60.8
Peoria	34.2	35.7	35.7	7.1	7.2	7.1	34.0	34.0	34.0
Rockford	45.7	45.4	45.3	5.1	5.0	5.0	28.7	28.9	28.9
Springfield	3.9	3.7	3.7	4.9	5.0	5.0	22.6	22.5	22.6
Indiana	638.9	631.6	631.0	127.7	131.3	131.5	593.3	594.5	601.7
Anderson	17.1	16.8	16.8	1.5	1.5	1.5	11.7	11.8	11.9
Bloomington	10.4	11.2	11.3	1.7	1.8	1.7	12.5	13.2	13.1
Elkhart-Goshen	56.1	56.4	56.0	2.9	2.9	2.9	19.1	19.4	19.5
Evansville	31.1	31.4	31.2	6.6	6.7	6.7	35.2	35.0	35.3
Fort Wayne	52.9	51.8	51.8	12.9	13.6	13.6	49.5	50.3	50.7
Gary-Hammond	57.0	57.8	58.0	15.6	16.1	16.1	56.2	58.3	58.9
Indianapolis	106.6	108.8	109.5	39.2	41.3	41.5	166.8	170.5	172.0
Lafayette-West Lafayette	12.5	13.2	13.1	1.9	2.0	1.9	13.1	13.8	13.8
Muncie	11.2	10.8	10.9	2.4	2.4	2.5	13.2	13.5	13.5
South Bend-Mishawaka	23.7	23.0	23.0	5.4	5.6	5.6	31.5	31.8	32.2
Terre Haute	10.0	10.1	10.2	3.0	3.3	3.3	15.0	15.2	15.4
Iowa	232.7	237.5	236.3	56.4	56.0	56.5	305.3	311.9	313.8
Cedar Rapids	23.9	23.8	23.7	5.4	5.5	5.5	22.0	22.2	22.4
Des Moines	26.3	27.3	27.3	12.7	12.7	12.7	58.2	58.6	59.1
Dubuque	12.0	12.5	12.4	1.7	1.8	1.8	10.2	10.4	10.4
Sioux City	10.5	10.8	11.0	3.2	3.4	3.6	13.8	13.8	14.1
Waterloo-Cedar Falls	15.6	15.3	15.3	1.9	1.9	2.0	15.9	16.2	16.3
Kansas	182.6	185.1	185.2	65.5	66.1	66.3	265.2	264.3	266.0
Topeka	8.9	8.9	9.2	6.7	6.5	6.5	22.2	22.2	22.4
Wichita	62.6	64.8	65.1	11.4	11.5	11.4	56.3	55.4	56.1
Kentucky	280.2	281.9	283.8	75.6	76.1	76.8	341.7	343.2	346.5
Lexington-Fayette	33.5	35.6	36.1	8.7	8.6	8.8	43.6	45.2	45.6
Louisville	88.4	87.1	87.4	29.4	29.8	29.9	114.4	112.3	114.0
Owensboro	6.3	6.4	6.5	2.1	2.1	2.1	9.4	9.0	9.1
Louisiana	172.3	175.6	174.2	108.8	109.5	108.9	368.1	365.3	366.8
Alexandria	3.2	3.5	3.5	2.1	2.1	2.1	11.0	10.6	10.3
Baton Rouge	19.5	19.9	20.1	10.4	10.4	10.4	55.1	54.4	55.1
Houma-Thibodaux	4.7	4.6	4.5	6.2	6.0	6.1	13.8	14.0	14.0
Lafayette	7.0	7.7	7.7	6.3	6.1	6.2	23.9	24.9	25.0
Monroe	7.5	7.3	7.2	2.8	2.9	2.9	14.4	14.0	14.0
New Orleans	43.6	43.7	43.5	45.0	43.5	43.6	137.4	136.6	137.8
Shreveport	17.5	18.2	18.0	8.1	7.8	7.9	32.0	31.8	31.6
Maine	110.4	107.6	106.8	21.4	20.2	21.8	130.6	132.5	132.2
Lewiston-Auburn	10.0	9.8	9.7	1.4	1.4	1.5	11.1	11.7	11.8
Portland	17.4	17.6	17.5	5.6	5.4	5.3	40.9	43.0	43.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Georgia	163.6	162.8	162.7	584.4	602.9	603.3	509.1	523.6	523.2
Athens	2.0	1.9	1.9	10.4	10.5	10.5	19.9	20.6	20.4
Atlanta	104.5	105.2	105.6	342.1	359.0	359.0	208.0	211.9	212.2
Augusta	5.7	5.4	5.4	32.8	33.1	33.3	34.1	34.2	34.2
Columbus	6.5	6.5	6.5	17.8	17.2	17.6	20.7	21.1	21.2
Macon-Warner Robins	7.8	7.9	8.0	23.4	23.5	23.4	34.4	34.6	34.4
Savannah	4.5	4.5	4.4	25.2	25.0	25.0	16.1	16.5	16.6
Hawaii	35.1	36.3	36.3	135.4	141.0	141.0	103.0	103.5	104.4
Honolulu	29.5	30.5	30.5	101.0	105.9	106.1	86.6	86.6	87.4
Idaho	19.7	19.4	19.4	73.5	77.6	78.0	76.9	81.8	80.9
Boise City	8.0	8.0	8.0	21.0	22.2	22.0	17.7	18.8	18.5
Illinois	368.7	373.6	374.1	1,230.9	1,259.9	1,258.4	741.7	748.5	749.2
Aurora-Elgin	8.6	8.6	8.8	33.0	34.2	34.1	16.0	15.9	15.8
Bloomington-Normal	10.0	10.1	10.1	13.2	13.3	13.3	13.6	13.8	13.9
Champaign-Urbana-Rantoul	3.5	3.5	3.5	16.3	17.2	16.8	35.3	36.2	36.2
Chicago	270.9	272.0	272.7	825.5	849.4	846.5	370.9	375.5	378.0
Davenport-Rock Island-Moline	8.2	8.3	8.3	33.0	33.2	33.2	27.1	27.9	27.4
Decatur	2.2	2.1	2.1	11.5	12.0	12.0	5.7	5.8	5.8
Joliet	3.8	3.8	3.8	22.0	21.9	22.0	17.1	17.4	17.4
Kankakee	1.5	1.5	1.5	9.1	9.3	9.3	6.7	6.7	6.8
Lake County	7.1	7.1	7.1	44.4	46.5	46.2	32.2	33.5	32.0
Peoria	7.3	7.5	7.5	36.5	36.6	36.6	16.5	16.6	16.6
Rockford	5.3	5.4	5.4	29.3	30.4	30.2	12.2	12.1	12.1
Springfield	8.0	8.2	8.2	25.4	25.5	25.6	33.2	33.6	33.3
Indiana	120.5	124.4	124.8	481.4	502.6	502.9	369.4	377.5	377.3
Anderson	1.6	1.6	1.6	10.2	10.5	10.6	6.3	6.7	6.7
Bloomington	2.0	2.3	2.2	8.7	9.5	9.5	17.5	18.9	18.3
Elkhart-Goshen	2.8	3.0	3.0	14.2	14.8	14.8	5.9	6.2	6.4
Evansville	5.3	5.4	5.4	31.1	32.5	32.5	13.0	13.0	13.0
Fort Wayne	12.5	13.1	13.2	39.8	42.7	42.4	18.4	18.6	18.6
Gary-Hammond	8.4	8.5	8.5	51.3	53.2	53.3	32.3	32.2	32.5
Indianapolis	48.7	49.4	49.6	147.1	150.4	151.5	95.9	97.1	97.6
Lafayette-West Lafayette	3.1	3.3	3.3	10.7	11.8	11.8	20.8	21.6	21.3
Muncie	1.7	1.7	1.7	10.9	11.5	11.4	12.0	12.3	12.3
South Bend-Mishawaka	6.1	6.5	6.5	34.3	36.3	36.2	11.8	12.0	11.9
Terre Haute	2.0	2.0	2.0	11.3	11.7	11.5	10.8	10.7	10.7
Iowa	67.4	68.8	68.9	268.0	275.9	274.9	216.9	219.7	219.2
Cedar Rapids	4.8	5.1	5.2	21.5	22.8	22.6	9.6	10.1	10.1
Des Moines	30.1	31.2	31.3	54.9	56.5	56.1	30.4	30.4	30.6
Dubuque	1.4	1.5	1.5	12.4	12.8	12.8	3.4	3.4	3.4
Sioux City	2.6	2.6	2.6	14.7	14.7	14.8	6.6	6.6	6.4
Waterloo-Cedar Falls	2.9	2.9	2.9	14.7	15.0	14.9	12.7	13.3	13.1
Kansas	58.4	58.8	58.6	216.4	224.5	223.5	213.6	221.0	220.4
Topeka	6.6	6.7	6.7	20.6	20.6	20.5	22.0	22.4	22.6
Wichita	10.9	10.8	10.7	58.5	60.8	60.6	29.4	30.7	30.7
Kentucky	58.0	58.8	58.7	295.1	307.7	306.2	246.2	252.3	251.7
Lexington-Fayette	9.4	9.4	9.4	41.9	43.6	42.9	47.1	47.7	46.7
Louisville	25.8	25.8	25.7	114.0	123.1	122.6	62.5	64.7	64.6
Owensboro	1.4	1.4	1.3	7.9	7.8	7.9	5.4	5.6	5.6
Louisiana	81.8	79.2	79.2	328.1	335.7	334.4	316.4	317.4	316.9
Alexandria	2.6	2.5	2.5	11.5	11.7	11.7	12.8	13.2	13.1
Baton Rouge	13.9	13.6	13.6	45.8	46.5	46.5	54.5	55.0	54.8
Houma-Thibodaux	2.2	2.0	2.0	9.4	9.6	9.6	10.7	10.2	10.1
Lafayette	3.5	3.4	3.5	18.1	18.2	18.3	12.8	12.6	12.5
Monroe	4.3	4.1	4.2	11.9	12.4	12.5	11.5	11.6	11.5
New Orleans	34.0	32.8	32.8	138.3	143.7	143.4	85.1	86.7	86.8
Shreveport	6.4	6.0	5.9	30.3	30.8	30.0	25.3	25.0	25.1
Maine	25.5	25.2	25.2	112.4	116.4	116.4	94.9	99.6	99.5
Lewiston-Auburn	2.3	2.3	2.3	10.8	11.0	10.9	4.0	4.1	4.2
Portland	12.6	11.9	11.8	30.1	34.1	33.9	16.7	17.1	16.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
Maryland	2,139.4	2,160.8	2,159.7	1.7	1.7	1.7	164.0	167.4	161.9
Baltimore MSA	1,141.6	1,149.6	1,154.1	.3	.3	.3	77.9	79.6	77.6
Baltimore City	476.1	478.9	479.5	(¹)	(¹)	(¹)	20.1	20.6	19.9
Suburban Maryland-D.C.	769.3	780.9	780.1	.5	.5	.5	67.9	68.8	66.0
Massachusetts	3,182.3	3,146.3	3,165.7	1.7	1.4	1.4	144.5	135.1	128.3
Boston	1,795.7	1,759.3	1,770.4	1.0	1.1	1.2	73.8	70.3	65.2
Brockton	76.2	75.6	76.2	(¹)	(¹)	(¹)	4.2	4.6	4.5
Fall River	57.4	56.3	56.8	(¹)	(¹)	(¹)	3.3	3.2	3.0
Fitchburg-Leominster	42.2	41.9	42.0	(¹)	(¹)	(¹)	2.7	2.7	2.7
Lawrence-Haverhill	167.2	167.0	167.9	(¹)	(¹)	(¹)	7.7	7.6	7.5
Lowell	112.0	110.2	110.4	.2	.1	.1	5.9	6.2	6.0
New Bedford	70.1	69.4	69.7	(¹)	(¹)	(¹)	3.6	3.8	3.7
Pittsfield	43.0	43.9	44.0	.1	.1	.1	2.5	2.7	2.4
Springfield	246.8	245.0	246.8	.1	.1	.1	10.5	10.9	10.3
Worcester	215.4	217.3	219.8	.1	.1	.1	11.0	10.7	10.3
Michigan	3,890.2	3,908.2	3,913.1	10.4	10.2	9.8	135.4	141.5	134.6
Ann Arbor	178.6	180.8	181.2	(¹)	(¹)	(¹)	5.9	5.6	5.1
Battle Creek	59.7	59.5	59.5	(¹)	(¹)	(¹)	1.7	2.0	1.9
Benton Harbor	66.6	67.3	66.8	(¹)	(¹)	(¹)	1.5	1.6	1.5
Detroit	1,943.1	1,950.9	1,960.0	.8	.7	.6	64.3	68.5	66.2
Flint	166.4	174.6	173.6	(¹)	(¹)	(¹)	5.1	5.9	5.7
Grand Rapids	340.7	347.6	348.6	(¹)	(¹)	(¹)	17.2	17.9	17.2
Jackson	54.6	55.4	55.6	(¹)	(¹)	(¹)	1.5	1.7	1.6
Kalamazoo	111.5	113.4	113.7	(¹)	(¹)	(¹)	3.6	3.8	3.6
Lansing-East Lansing	214.9	221.2	219.7	(¹)	(¹)	(¹)	6.9	6.3	5.8
Muskegon	58.5	58.4	58.3	(¹)	(¹)	(¹)	2.4	2.5	2.3
Saginaw-Bay City-Midland	159.3	163.2	163.3	(¹)	(¹)	(¹)	7.5	8.3	7.9
Minnesota	2,059.2	2,119.9	2,112.2	6.7	7.3	6.7	74.7	85.2	75.8
Duluth	91.9	94.4	93.3	4.8	4.9	4.9	3.1	3.6	3.0
Minneapolis-St. Paul	1,345.1	1,383.8	1,380.7	(¹)	(¹)	(¹)	51.2	57.5	52.4
Rochester	62.2	64.1	64.1	(²)	(²)	(²)	2.0	2.3	1.8
St. Cloud	74.6	76.0	75.1	(²)	(²)	(²)	3.5	4.0	3.5
Mississippi	910.2	926.1	925.4	6.1	6.0	6.1	36.4	35.6	35.2
Jackson	184.3	188.3	188.8	.9	.9	.9	8.4	8.1	7.9
Missouri	2,269.6	2,291.0	2,289.5	5.1	5.2	5.2	91.4	95.0	89.8
Kansas City	765.9	778.7	779.6	.5	.5	.5	33.1	34.4	33.0
St. Louis	1,157.0	1,168.0	1,171.6	3.3	3.3	3.2	52.4	54.7	52.5
Springfield	114.0	116.7	116.3	.1	.1	.1	4.2	4.5	4.1
Montana	280.8	285.9	284.6	6.0	6.1	5.8	8.0	9.4	8.2
Nebraska	705.4	727.0	728.4	1.5	1.8	1.6	24.8	27.6	25.9
Lincoln	120.8	125.8	125.7	(¹)	(¹)	(¹)	4.0	4.2	4.0
Omaha	317.0	326.2	327.5	.2	.2	.2	11.9	12.9	11.9
Nevada	556.2	590.2	593.0	12.0	13.4	13.6	40.4	45.4	44.8
Las Vegas	319.7	342.5	346.3	.2	.2	.2	25.4	28.8	28.9
Reno	140.8	146.4	146.2	1.4	1.4	1.4	8.3	9.1	8.8
New Hampshire	543.3	534.4	536.9	.7	.7	.6	35.1	32.2	29.6
Manchester	88.5	85.5	86.5	(²)	(²)	(²)	6.1	5.8	5.4
Nashua	97.7	94.1	94.2	.1	.1	.1	4.7	4.2	4.0
Portsmouth-Dover-Rochester	113.6	113.2	112.4	.2	.1	.1	5.9	5.2	5.0
New Jersey	3,700.0	3,721.3	3,725.3	2.5	2.4	2.4	178.3	180.8	176.3
Atlantic City	164.2	171.8	169.8	(¹)	(¹)	(¹)	10.4	12.7	12.5
Bergen-Passaic	686.8	694.9	696.1	.2	.2	.2	33.3	35.0	34.1
Camden	445.7	451.1	453.7	.1	.1	.1	24.5	26.0	25.4
Jersey City	249.6	254.8	253.2	(¹)	(¹)	(¹)	7.0	7.9	7.7
Middlesex-Somerset-Hunterdon	542.6	552.7	555.8	.6	.7	.6	24.5	26.3	26.0
Monmouth-Ocean	330.1	340.2	340.6	(¹)	(¹)	(¹)	21.2	23.9	23.4
Newark	970.3	978.2	980.6	.7	.6	.7	40.8	42.6	42.1
Trenton	201.9	201.6	203.5	(¹)	(¹)	(¹)	5.5	6.2	6.1
Vineland-Milville-Bridgeton	58.2	59.3	59.0	.4	.4	.4	2.2	2.3	2.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Maryland	210.1	205.9	205.9	97.6	98.0	99.0	550.8	550.3	557.9
Baltimore MSA	132.5	129.7	129.6	55.2	56.1	56.8	285.3	283.3	288.0
Baltimore City	45.3	44.7	45.2	28.0	28.1	28.6	98.7	97.4	97.4
Suburban Maryland-D.C.	36.2	36.8	36.6	30.0	30.3	30.7	208.3	207.6	212.0
Massachusetts	583.9	559.2	556.6	136.3	125.4	138.4	756.7	745.4	756.8
Boston	269.5	258.8	258.6	77.9	70.1	76.9	405.3	387.1	392.4
Brockton	11.1	10.5	10.3	5.3	4.7	5.4	23.5	23.1	23.4
Fall River	15.6	14.9	14.9	2.0	1.7	1.9	15.4	14.9	15.3
Fitchburg-Leominster	12.2	12.3	12.3	1.7	1.4	1.6	10.8	10.7	10.7
Lawrence-Haverhill	49.6	46.3	45.9	7.2	6.8	7.5	38.6	39.4	40.2
Lowell	36.5	34.0	33.8	5.2	5.7	6.2	24.8	24.5	24.8
New Bedford	18.9	17.5	17.7	3.1	2.9	3.0	16.9	17.0	17.4
Pittsfield	10.8	10.9	10.9	1.2	1.1	1.2	10.5	11.0	11.1
Springfield	51.2	48.7	48.8	10.1	10.0	10.9	60.1	60.0	60.7
Worcester	45.7	45.5	45.7	9.9	9.2	10.0	53.2	53.5	54.8
Michigan	962.0	926.7	932.0	156.4	154.8	156.4	926.6	936.0	948.9
Ann Arbor	39.1	35.1	35.2	4.3	4.1	4.0	33.2	35.9	36.5
Battle Creek	15.5	14.2	14.1	1.8	1.7	1.7	12.8	13.1	13.4
Benton Harbor	22.5	21.6	21.4	2.4	2.4	2.4	14.2	14.9	14.8
Detroit	471.4	462.9	467.8	88.3	88.0	89.1	469.1	473.7	481.0
Flint	49.2	51.2	49.1	4.2	4.0	4.0	45.8	48.0	48.9
Grand Rapids	100.1	100.2	100.3	12.2	12.2	12.3	91.5	93.1	94.6
Jackson	13.9	13.5	13.5	4.2	4.2	4.2	12.7	12.9	13.1
Kalamazoo	30.5	29.8	29.9	3.3	3.4	3.5	25.9	27.0	27.4
Lansing-East Lansing	33.2	30.0	30.1	5.3	5.5	5.5	47.3	49.3	50.7
Muskegon	17.0	16.2	16.3	2.3	2.3	2.3	13.9	14.1	14.2
Saginaw-Bay City-Midland	44.3	43.4	43.4	6.9	7.1	7.0	38.2	39.0	39.5
Minnesota	396.4	397.2	395.3	104.6	107.8	107.9	523.6	528.2	531.5
Duluth	7.9	8.1	8.1	5.8	6.0	6.0	22.8	23.8	23.6
Minneapolis-St. Paul	265.8	265.8	264.1	72.6	74.7	75.0	342.0	342.2	345.1
Rochester	11.2	12.0	11.9	1.8	1.8	1.8	13.1	13.1	13.4
St. Cloud	13.3	12.6	12.5	3.7	4.0	3.9	22.2	23.4	23.6
Mississippi	239.9	242.3	240.3	44.2	45.6	45.1	198.0	200.6	203.7
Jackson	21.1	21.1	21.0	13.4	13.4	13.6	44.2	45.2	45.8
Missouri	434.9	427.3	432.1	147.7	147.7	147.8	566.7	564.9	568.3
Kansas City	110.7	110.7	110.1	62.2	62.5	62.5	203.3	203.3	204.9
St. Louis	227.0	222.4	226.4	74.9	74.8	74.6	286.0	284.8	289.9
Springfield	21.7	21.0	21.0	7.1	7.4	7.4	32.4	32.9	32.9
Montana	21.4	21.8	21.8	19.8	19.5	19.7	74.7	74.8	75.5
Nebraska	97.6	100.5	101.1	47.1	48.6	49.3	183.8	186.6	188.4
Lincoln	15.1	15.4	15.4	6.5	6.9	7.0	27.8	28.0	28.4
Omaha	35.6	36.2	36.5	25.8	26.8	27.1	80.7	80.9	81.7
Nevada	25.7	26.2	26.1	29.8	31.4	31.4	115.0	121.5	123.4
Las Vegas	9.9	10.5	10.5	16.9	18.1	17.9	67.5	71.5	72.9
Reno	8.8	8.9	8.9	9.6	9.8	9.9	33.6	35.0	35.5
New Hampshire	120.7	115.9	115.9	17.9	16.3	18.0	143.9	141.5	144.0
Manchester	12.2	11.2	11.1	5.5	4.5	5.6	25.4	24.2	24.4
Nashua	36.6	35.1	34.9	2.8	2.6	2.7	23.5	21.8	22.0
Portsmouth-Dover-Rochester	21.3	20.3	20.1	3.1	2.9	3.0	29.8	30.4	30.2
New Jersey	663.3	661.3	656.9	244.8	245.6	245.1	904.9	893.9	907.7
Atlantic City	8.2	8.6	8.6	6.8	6.5	6.5	34.2	36.4	36.0
Bergen-Passaic	157.9	154.7	153.7	28.3	28.3	28.3	200.5	199.4	202.9
Camden	73.6	74.2	73.7	20.0	20.4	20.4	124.3	122.1	125.0
Jersey City	45.2	46.6	45.0	33.4	34.8	34.6	64.0	64.2	64.7
Middlesex-Somerset-Hunterdon	116.7	115.2	115.2	44.0	45.2	45.3	133.3	134.1	136.6
Monmouth-Ocean	29.7	29.6	30.2	18.3	19.2	19.2	90.9	90.0	90.7
Newark	174.9	171.5	171.0	80.1	79.1	78.9	204.0	201.6	205.6
Trenton	31.6	30.4	30.6	6.7	6.8	6.8	33.0	33.5	34.3
Vineland-Millville-Bridgeton	14.7	15.2	14.9	2.3	2.3	2.3	12.4	12.7	12.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Maryland	131.3	133.6	133.5	569.5	583.2	581.3	414.4	420.7	418.5
Baltimore MSA	77.9	78.7	78.5	300.1	306.9	307.8	212.4	215.0	215.5
Baltimore City	46.1	45.9	45.8	145.3	149.5	149.3	92.6	92.7	93.3
Suburban Maryland-D.C.	44.1	46.4	46.4	219.7	224.2	222.8	162.6	166.3	165.1
Massachusetts	227.9	232.8	234.5	917.9	937.7	941.1	413.4	409.3	408.6
Boston	157.7	159.6	160.9	599.0	606.7	608.6	211.5	205.6	206.6
Brockton	3.3	3.5	3.4	16.2	16.4	16.5	12.6	12.8	12.7
Fall River	3.3	3.6	3.7	10.8	11.0	11.1	7.0	7.0	6.9
Fitchburg-Leominster	1.7	1.7	1.7	8.3	8.4	8.3	4.8	4.7	4.7
Lawrence-Haverhill	6.7	7.1	7.1	35.5	38.2	38.1	21.9	21.6	21.6
Lowell	4.0	4.0	3.9	21.4	21.7	21.7	14.0	14.0	13.9
New Bedford	2.6	2.6	2.5	14.3	14.8	14.7	10.7	10.8	10.7
Pittsfield	2.0	2.0	2.0	11.0	11.3	11.5	4.9	4.8	4.8
Springfield	15.5	15.3	15.3	60.3	61.7	62.2	39.0	38.3	38.5
Worcester	14.8	15.7	15.7	55.4	57.6	58.3	25.3	25.0	24.9
Michigan	186.4	188.5	189.6	865.5	891.2	888.4	647.5	659.3	653.4
Ann Arbor	4.8	4.8	4.9	36.2	39.6	39.7	55.2	55.5	55.7
Battle Creek	3.5	3.5	3.5	12.4	12.9	13.0	11.9	12.0	11.9
Benton Harbor	2.5	2.5	2.5	14.5	15.2	15.0	8.7	8.9	9.0
Detroit	109.9	109.4	109.8	487.0	492.1	491.2	252.3	255.6	254.2
Flint	6.0	6.1	6.1	32.1	33.5	33.7	23.9	26.0	26.0
Grand Rapids	15.4	16.1	16.1	71.1	74.0	74.3	33.0	33.9	33.7
Jackson	1.9	2.0	2.0	10.2	10.5	10.6	10.0	10.5	10.4
Kalamazoo	5.0	5.1	5.2	24.7	24.8	25.0	18.4	19.5	19.0
Lansing-East Lansing	12.7	13.1	13.1	40.6	43.4	43.9	68.4	73.2	70.1
Muskegon	1.4	1.4	1.4	12.3	12.3	12.2	9.2	9.5	9.5
Saginaw-Bay City-Midland	6.2	6.5	6.5	34.5	37.9	38.0	21.4	20.8	20.8
Minnesota	119.4	123.2	123.6	500.6	528.4	530.9	333.2	342.6	340.5
Duluth	3.2	3.2	3.2	22.1	23.0	22.8	22.3	21.8	21.7
Minneapolis-St. Paul	93.3	96.6	96.8	338.2	359.1	360.4	181.4	187.4	186.4
Rochester	1.5	1.6	1.6	26.0	26.7	26.8	6.5	6.6	6.8
St. Cloud	2.3	2.2	2.2	15.9	17.0	16.3	13.7	12.8	13.1
Mississippi	39.0	39.3	39.3	146.6	152.2	152.0	200.0	204.4	203.7
Jackson	14.7	14.9	14.9	41.1	42.8	42.7	40.5	41.9	42.0
Missouri	135.6	136.5	136.7	526.1	540.3	536.6	362.1	374.1	373.0
Kansas City	58.4	58.5	59.3	181.0	188.2	188.9	116.7	120.6	120.4
St. Louis	75.1	75.2	75.3	294.4	305.5	303.6	143.9	147.3	146.1
Springfield	5.2	5.3	5.4	28.5	29.8	29.8	14.8	15.7	15.6
Montana	13.2	13.4	13.5	67.1	68.6	69.0	70.6	72.3	71.1
Nebraska	48.6	49.4	49.7	161.9	170.3	170.5	140.1	142.2	141.9
Lincoln	8.5	8.3	8.3	27.3	30.2	30.2	31.6	32.8	32.4
Omaha	29.0	30.1	30.2	87.0	92.0	92.6	46.8	47.1	47.3
Nevada	25.3	26.7	26.6	237.7	251.5	252.6	70.3	74.1	74.5
Las Vegas	16.1	17.1	17.1	147.8	158.5	160.7	35.9	37.8	38.1
Reno	6.8	7.1	7.0	54.8	57.2	56.7	17.5	17.9	18.0
New Hampshire	32.2	33.0	32.9	119.9	121.1	121.5	72.9	73.7	74.4
Manchester	8.2	8.5	8.5	22.1	22.2	22.3	9.0	9.1	9.2
Nashua	3.6	3.4	3.4	19.1	19.5	19.6	7.3	7.4	7.5
Portsmouth-Dover-Rochester	7.0	7.2	7.1	20.2	20.6	20.3	26.1	26.5	26.6
New Jersey	238.3	241.9	242.4	906.6	928.6	926.6	561.3	566.8	567.9
Atlantic City	7.5	7.7	7.8	71.9	74.6	73.1	25.1	25.2	25.2
Bergen-Passaic	39.8	41.6	41.8	156.2	163.9	163.4	70.6	71.8	71.7
Camden	25.1	26.4	26.3	104.8	107.1	107.5	73.3	74.8	75.3
Jersey City	14.0	13.9	14.0	43.9	45.0	44.9	42.1	42.4	42.3
Middlesex-Somerset-Hunterdon	38.1	38.7	38.6	111.7	115.6	116.0	73.7	76.9	77.5
Monmouth-Ocean	18.8	19.2	19.1	89.1	94.2	93.7	62.0	64.0	64.2
Newark	79.3	80.8	80.8	252.2	259.2	259.0	138.3	142.8	142.5
Trenton	9.9	10.1	10.1	58.6	59.2	59.9	56.6	55.4	55.7
Vineland-Millville-Bridgeton	3.5	3.5	3.5	10.7	11.1	11.1	12.0	11.8	11.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
New Mexico	549.6	563.8	565.5	15.6	16.3	16.5	29.7	29.8	28.6
Albuquerque	239.2	243.1	243.4	.1	.1	.2	14.9	14.6	14.1
Las Cruces	41.5	43.7	44.2	.1	.1	.1	2.1	2.2	2.2
Santa Fe	55.4	57.2	57.2	.1	.1	.1	2.5	2.7	2.6
New York	8,335.9	8,342.3	8,394.6	6.0	6.0	5.6	346.8	366.4	354.7
Albany-Schenectady-Troy	421.5	429.9	429.2	.5	.6	.4	20.3	22.7	21.1
Binghamton	125.9	124.1	124.1	(¹)	(¹)	(¹)	5.9	5.9	5.6
Buffalo	453.5	461.3	462.1	.3	.2	.2	16.4	18.1	16.1
Elmira	41.1	41.8	42.2	(¹)	(¹)	(¹)	1.7	1.9	1.7
Nassau-Suffolk	1,168.1	1,154.6	1,160.5	.2	.2	.2	62.2	60.9	58.8
New York PMSA	4,197.3	4,168.4	4,206.3	1.0	.9	.9	157.2	159.4	157.3
New York City	3,656.7	3,632.4	3,668.5	.5	.4	.4	124.4	126.7	126.4
Niagara Falls	83.8	85.7	85.4	(¹)	(¹)	(¹)	3.3	3.7	3.3
Orange County	107.5	107.6	107.6	(¹)	(¹)	(¹)	6.0	6.0	5.7
Poughkeepsie	123.1	123.8	125.4	(²)	(²)	(²)	7.2	8.1	7.9
Rochester	492.2	495.3	490.7	.8	.8	.8	18.6	21.3	20.0
Rockland County	101.7	101.6	102.7	(²)	(²)	(²)	4.7	5.0	5.0
Syracuse	311.1	315.1	315.1	.2	.2	.2	14.8	17.4	16.1
Utica-Rome	126.6	129.0	128.7	.1	.2	.2	3.6	4.3	3.7
Westchester County	420.4	415.8	416.4	.2	.2	.2	26.6	26.1	24.3
North Carolina	3,030.8	3,082.3	3,079.6	5.0	5.0	5.0	167.8	162.8	160.4
Asheville	81.9	84.3	83.7	.1	.1	.1	4.2	4.4	4.3
Charlotte-Gastonia-Rock Hill	602.8	616.0	616.3	.3	.4	.4	36.8	36.8	36.3
Greensboro-Winston-Salem-High Point	489.9	485.1	484.8	.3	.3	.3	24.9	24.3	23.6
Raleigh-Durham	405.0	410.4	409.6	.4	.3	.3	22.1	21.9	21.5
North Dakota	259.0	265.2	264.1	3.9	3.9	3.8	8.7	10.4	8.9
Bismarck	38.0	39.8	39.8	.2	.2	.2	1.3	1.5	1.3
Fargo-Moorhead	74.6	77.8	77.2	(¹)	(¹)	(¹)	3.0	3.6	3.1
Grand Forks	31.4	32.4	32.4	(¹)	(¹)	(¹)	1.1	1.4	1.1
Ohio	4,781.8	4,886.8	4,893.1	19.5	20.0	19.8	188.0	211.1	200.5
Akron	279.7	287.8	288.0	.7	.7	.7	10.0	11.3	10.4
Canton	163.0	167.3	167.9	.9	1.0	1.0	6.4	7.4	7.1
Cincinnati	718.6	750.4	754.4	.5	.5	.5	32.6	36.7	35.3
Cleveland	924.5	941.1	945.1	1.1	1.1	1.1	27.8	30.5	28.9
Columbus	698.6	718.3	721.0	1.0	1.0	1.0	29.2	32.8	31.6
Dayton-Springfield	448.2	459.3	461.7	.4	.5	.4	18.8	21.2	20.3
Toledo	292.4	300.8	299.6	.3	.3	.3	11.3	13.3	12.5
Youngstown-Warren	196.7	202.7	203.0	.7	.8	.7	7.5	9.0	8.3
Oklahoma	1,145.1	1,153.2	1,154.3	44.1	44.9	45.6	32.3	35.2	34.0
Enid	21.2	21.6	21.7	1.0	1.0	1.0	.7	.7	.7
Lawton	33.6	34.9	35.0	.3	.3	.3	1.2	1.3	1.2
Oklahoma City	410.4	412.4	411.9	11.0	10.3	10.2	11.7	11.3	11.2
Tulsa	299.8	307.1	307.9	14.4	14.5	14.4	9.3	8.9	8.9
Oregon	1,183.3	1,224.4	1,222.5	1.4	1.5	1.4	40.1	44.7	43.1
Eugene-Springfield	112.8	118.2	117.3	.2	.2	.2	3.5	4.3	4.0
Portland	595.8	615.2	617.9	.4	.5	.4	21.5	24.5	23.3
Salem	101.9	105.9	103.8	.1	.1	.1	3.5	3.9	3.7
Pennsylvania	5,106.8	5,166.0	5,149.2	28.7	28.2	27.9	234.6	252.0	237.7
Allentown-Bethlehem	283.4	285.2	285.0	.6	.6	.6	14.7	14.2	13.9
Altoona	51.8	52.9	53.0	(²)	(²)	(²)	2.3	2.3	2.2
Beaver County	49.7	49.9	49.7	(²)	(²)	(²)	1.7	1.5	1.4
Erie	115.5	118.1	117.2	.2	.2	.2	3.3	3.7	3.3
Harrisburg-Lebanon-Carlisle	302.4	309.7	309.3	.3	.3	.3	12.7	14.5	13.4
Johnstown	79.7	80.9	80.7	3.0	3.1	3.1	2.5	2.8	2.5
Lancaster	187.7	190.9	190.4	.4	.4	.4	11.6	12.1	12.1
Philadelphia PMSA	2,207.4	2,205.3	2,211.7	1.0	1.0	1.0	107.0	109.0	104.5
Philadelphia City	789.4	785.4	790.0	(²)	(²)	(²)	17.8	18.0	17.4
Pittsburgh	880.1	899.8	896.3	4.8	4.3	4.3	37.8	40.5	37.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
New Mexico	40.4	41.6	41.6	28.9	29.1	29.4	135.6	137.5	138.6
Albuquerque	20.3	20.6	20.5	12.7	13.1	13.2	63.0	62.8	63.4
Las Cruces	3.6	3.9	4.0	1.4	1.3	1.3	9.1	9.6	9.7
Santa Fe	1.7	1.7	1.7	1.2	1.1	1.1	11.2	11.3	11.3
New York	1,210.1	1,186.8	1,176.4	416.9	381.9	420.9	1,803.2	1,766.1	1,793.4
Albany-Schenectady-Troy	47.8	47.4	47.2	16.7	15.4	17.2	94.6	95.7	96.1
Binghamton	38.5	35.9	36.0	4.4	4.1	4.4	27.5	27.7	28.0
Buffalo	78.3	77.3	77.2	22.0	20.0	21.8	113.8	117.5	118.5
Elmira	8.8	9.0	9.0	1.4	1.1	1.4	11.1	10.9	11.0
Nassau-Suffolk	168.1	161.0	160.2	49.7	44.8	51.0	321.6	313.2	316.2
New York PMSA	445.0	439.5	434.0	246.3	221.9	246.7	794.8	776.7	789.5
New York City	362.9	359.2	353.4	220.3	199.0	220.7	663.6	648.0	659.1
Niagara Falls	23.9	23.9	23.8	3.9	3.9	4.0	19.9	20.3	20.5
Orange County	15.4	14.9	14.6	6.1	6.1	6.3	29.5	29.0	29.4
Poughkeepsie	30.5	30.5	30.9	3.7	3.4	3.8	23.4	22.9	23.6
Rochester	138.2	135.0	131.2	14.9	14.9	14.9	106.0	105.9	107.5
Rockland County	15.5	14.9	15.1	4.7	4.2	4.4	24.4	24.9	25.4
Syracuse	53.7	52.3	52.6	18.8	17.9	19.0	75.6	75.8	76.3
Utica-Rome	25.1	24.5	24.3	4.3	3.7	4.4	27.7	28.3	28.5
Westchester County	64.9	63.8	63.8	20.6	18.1	20.9	102.2	99.3	100.5
North Carolina	870.8	869.6	867.2	149.7	153.5	153.9	705.4	716.4	724.7
Asheville	19.2	19.6	19.4	3.9	4.1	4.1	20.0	20.8	20.9
Charlotte-Gastonia-Rock Hill	154.9	155.2	155.1	48.9	48.4	48.2	149.6	153.4	154.5
Greensboro-Winston-Salem-High Point	152.5	147.8	148.1	27.2	26.7	26.7	113.0	112.8	113.1
Raleigh-Durham	61.0	63.6	64.3	17.4	17.4	17.4	87.4	87.0	87.1
North Dakota	16.5	16.9	16.7	17.3	17.4	17.6	69.5	70.1	70.7
Bismarck	2.1	2.2	2.2	2.7	2.7	2.8	10.1	10.6	10.8
Fargo-Moorhead	4.9	5.4	5.3	4.8	4.9	4.9	22.1	22.5	22.6
Grand Forks	1.7	1.6	1.6	1.7	1.8	1.8	9.1	9.4	9.5
Ohio	1,115.1	1,105.5	1,105.2	215.3	217.6	218.1	1,180.5	1,204.1	1,220.3
Akron	66.6	65.7	65.8	13.2	13.6	13.6	71.0	73.3	74.3
Canton	45.7	45.4	45.4	6.0	6.2	6.2	41.5	42.4	43.0
Cincinnati	146.6	149.9	150.1	39.6	42.1	42.2	189.0	195.7	198.9
Cleveland	205.4	204.7	205.1	42.4	42.1	42.4	229.9	231.5	235.9
Columbus	104.0	103.8	103.6	30.8	31.7	31.9	182.2	187.8	190.6
Dayton-Springfield	105.5	102.0	104.1	17.3	18.1	18.3	104.1	105.7	107.6
Toledo	62.4	60.3	59.9	13.3	13.5	13.6	74.4	76.4	77.7
Youngstown-Warren	49.8	49.2	48.9	7.8	8.1	8.2	51.8	53.3	54.4
Oklahoma	165.6	165.7	165.5	61.9	63.4	63.4	281.2	278.6	282.3
Enid	1.4	1.4	1.4	2.2	2.2	2.2	6.2	6.1	6.2
Lawton	3.6	3.7	3.8	1.3	1.3	1.3	8.5	8.5	8.5
Oklahoma City	49.1	49.9	49.5	19.2	20.2	20.1	103.1	102.9	102.9
Tulsa	50.0	50.4	50.9	23.8	24.6	24.7	71.4	72.1	73.5
Oregon	212.7	217.4	215.9	62.3	64.6	65.9	307.2	320.9	324.1
Eugene-Springfield	20.5	20.7	20.4	4.3	4.4	4.5	28.8	30.2	30.5
Portland	97.5	99.8	100.9	36.6	37.4	38.1	159.6	165.2	167.8
Salem	14.2	15.3	13.8	3.0	3.0	3.0	23.5	24.2	24.3
Pennsylvania	1,059.5	1,047.4	1,043.0	256.2	254.7	256.0	1,184.8	1,170.8	1,176.7
Allentown-Bethlehem	77.8	76.7	75.9	14.2	14.0	14.0	63.4	62.9	63.6
Alltoona	10.7	10.6	10.6	4.6	4.6	4.6	14.1	14.3	14.6
Beaver County	9.6	9.4	9.5	5.0	4.9	4.9	11.8	11.6	11.7
Erie	35.7	35.8	35.4	3.7	3.5	3.5	26.3	27.3	27.6
Harrisburg-Lebanon-Carlisle	52.1	51.4	51.3	18.6	19.0	18.9	69.0	69.1	69.8
Johnstown	13.6	13.8	13.5	5.2	5.2	5.1	17.7	17.9	18.0
Lancaster	60.0	58.5	58.4	7.4	7.6	7.5	46.1	46.8	47.2
Philadelphia PMSA	368.2	364.8	365.0	102.7	104.4	105.2	524.2	517.0	522.4
Philadelphia City	93.5	91.4	91.2	43.8	41.5	41.5	158.4	157.5	160.3
Pittsburgh	125.0	126.9	126.2	47.1	47.7	47.0	230.2	231.6	233.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
New Mexico	27.4	27.7	27.8	129.4	133.3	135.2	142.6	148.5	147.8
Albuquerque	15.1	15.3	15.4	66.3	67.5	67.9	46.8	49.1	48.7
Las Cruces	1.7	1.8	1.8	6.7	7.1	7.4	16.8	17.8	17.8
Santa Fe	1.9	1.9	1.9	14.5	14.9	15.0	22.3	23.5	23.5
New York	799.1	802.3	804.0	2,296.6	2,363.5	2,366.4	1,457.3	1,469.3	1,473.1
Albany-Schenectady-Troy	24.6	25.6	25.6	104.8	107.4	106.5	112.3	115.2	115.2
Binghamton	4.4	4.4	4.4	23.2	24.0	23.7	22.0	21.9	21.9
Buffalo	28.6	29.2	29.4	117.6	121.3	120.9	76.4	77.6	78.0
Elmira	1.4	1.4	1.4	10.1	10.4	10.4	6.7	7.0	7.2
Nassau-Suffolk	79.5	79.4	79.8	299.2	306.3	305.8	187.6	188.8	188.4
New York PMSA	575.5	569.9	570.6	1,295.0	1,317.3	1,322.8	682.4	662.7	684.6
New York City	540.4	534.2	534.8	1,145.5	1,164.4	1,171.4	599.2	600.5	602.4
Niagara Falls	2.1	2.1	2.1	17.6	18.4	18.2	13.0	13.3	13.4
Orange County	4.6	4.7	4.7	22.1	22.9	22.9	23.6	24.0	24.0
Poughkeepsie	5.0	5.0	5.0	28.7	28.8	28.9	24.5	25.1	25.4
Rochester	23.0	22.7	22.7	122.0	123.9	122.8	68.6	70.8	70.8
Rockland County	5.3	5.3	5.4	25.6	25.7	25.9	21.5	21.5	21.6
Syracuse	20.4	20.4	20.4	75.1	78.3	77.9	52.6	52.6	52.6
Ulica-Rome	7.3	7.6	7.6	27.5	28.8	28.2	30.8	31.8	31.7
Westchester County	29.2	29.6	29.6	118.9	122.2	120.6	57.7	56.5	56.4
North Carolina	131.4	132.9	132.9	532.1	559.1	555.7	468.6	483.0	479.8
Asheville	2.6	2.6	2.6	19.7	20.7	20.2	12.2	12.0	12.1
Charlotte-Gastonia-Rock Hill	37.2	37.8	37.8	109.3	114.1	114.4	65.8	69.9	69.6
Greensboro-Winston-Salem-High Point	24.4	24.9	24.8	90.6	92.4	92.3	57.0	55.9	55.9
Raleigh-Durham	23.7	23.6	23.7	101.9	103.7	103.5	91.1	92.9	91.8
North Dakota	12.3	12.3	12.3	64.2	66.7	66.7	66.6	67.5	67.4
Bismarck	1.6	1.5	1.5	11.3	12.0	12.0	8.7	9.1	9.0
Fargo-Moorhead	4.4	4.5	4.5	20.8	21.7	21.7	14.6	15.2	15.1
Grand Forks	1.1	1.1	1.1	6.8	6.9	7.0	9.9	10.2	10.3
Ohio	252.4	257.3	257.9	1,101.0	1,152.8	1,150.7	710.0	718.3	720.7
Akron	10.6	11.0	11.0	61.9	65.6	65.6	45.7	46.4	46.6
Canton	6.3	6.4	6.4	37.0	39.3	39.2	19.3	19.3	19.6
Cincinnati	43.0	44.0	44.2	177.2	189.8	190.8	90.0	91.7	92.4
Cleveland	57.8	59.4	59.5	243.1	253.6	253.6	117.0	118.2	118.6
Columbus	58.8	60.4	60.6	164.4	173.9	173.1	128.2	127.0	128.6
Dayton-Springfield	18.2	18.6	18.6	109.2	115.8	115.0	74.8	77.5	77.4
Toledo	12.5	12.7	12.6	74.3	78.8	78.5	43.9	45.5	44.4
Youngstown-Warren	8.3	8.3	8.3	45.7	48.8	48.8	25.0	25.1	25.4
Oklahoma	58.7	57.8	57.9	250.3	258.1	255.6	251.0	249.5	250.0
Enid	1.0	1.0	1.0	5.4	5.7	5.6	3.3	3.5	3.6
Lawton	1.5	1.5	1.5	6.0	6.2	6.2	11.2	12.1	12.2
Oklahoma City	23.7	23.5	23.5	94.1	94.4	93.8	98.5	99.9	100.7
Tulsa	17.4	17.9	17.9	77.2	81.6	80.9	36.3	37.1	36.7
Oregon	74.3	75.4	75.5	268.3	277.0	276.0	217.0	222.9	220.6
Eugene-Springfield	5.3	5.6	5.6	25.8	27.9	27.5	24.4	24.9	24.6
Portland	49.2	50.4	50.4	148.9	152.5	152.6	82.1	84.9	84.4
Salem	5.9	6.1	6.1	20.9	21.6	21.4	30.8	31.7	31.4
Pennsylvania	293.1	297.5	298.0	1,345.0	1,398.2	1,395.4	704.9	717.2	714.5
Allentown-Bethlehem	12.5	12.5	12.5	69.3	73.3	73.5	30.9	31.0	31.0
Altoona	1.8	2.0	2.0	10.9	11.3	11.2	7.4	7.8	7.8
Beaver County	1.6	1.6	1.6	12.0	12.6	12.4	8.0	8.3	8.2
Erie	5.4	5.4	5.5	26.9	28.1	27.6	14.0	14.1	14.1
Harrisburg-Lebanon-Carlisle	19.6	21.2	21.4	63.7	66.5	66.3	66.4	67.7	67.9
Johnstown	4.6	4.5	4.5	20.1	20.3	20.7	13.0	13.3	13.3
Lancaster	7.0	7.5	7.5	39.2	41.5	40.9	16.0	16.5	16.4
Philadelphia PMSA	162.9	161.4	162.3	638.1	642.5	644.0	303.3	305.2	307.3
Philadelphia City	71.0	69.1	69.5	262.7	266.3	266.7	142.2	141.6	143.4
Pittsburgh	52.5	53.4	53.7	275.1	285.6	285.6	107.6	109.8	109.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Pennsylvania-Continued									
Reading	154.4	157.3	157.7	(²)	(²)	(²)	7.2	8.0	7.7
Scranton-Wilkes-Barre	301.6	305.7	303.3	0.7	0.7	0.6	14.2	16.3	14.5
Williamsport	51.4	52.4	52.1	(²)	(²)	(²)	2.1	2.5	2.3
York	179.6	181.1	181.4	.5	.5	.5	9.6	9.9	9.5
Rhode Island	464.4	459.8	462.6	.2	.2	.2	21.8	22.3	22.1
Pawtucket-Woonsocket-Attleboro	133.3	133.4	133.1	.2	.2	.2	6.1	6.7	6.5
Providence	331.1	329.1	331.0	.1	.1	.1	16.6	16.8	16.7
South Carolina	1,479.4	1,529.7	1,534.9	1.8	1.9	1.9	93.5	98.4	98.9
Charleston	195.4	202.3	203.0	(¹)	(¹)	(¹)	13.1	14.2	14.2
Columbia	232.0	241.6	243.0	(¹)	(¹)	(¹)	14.2	15.6	15.6
Greenville-Spartanburg	328.1	335.7	336.6	(¹)	(¹)	(¹)	22.8	23.9	23.8
South Dakota	265.5	270.4	268.7	2.6	2.6	2.6	8.3	10.1	8.7
Rapid City	34.8	36.5	36.5	.2	.3	.3	1.7	1.9	1.8
Sioux Falls	68.5	70.9	70.2	(¹)	(¹)	(¹)	2.5	2.9	2.6
Tennessee	2,073.1	2,100.4	2,096.4	6.5	6.4	6.3	93.5	93.3	90.5
Chattanooga	198.8	202.2	201.2	.5	.8	.7	8.6	9.3	8.9
Johnson City-Kingsport-Bristol	166.8	172.2	172.5	.1	.5	.4	7.0	7.7	7.6
Knoxville	253.5	260.8	257.3	1.7	1.7	1.7	12.7	12.1	11.6
Memphis	440.0	446.9	445.7	.2	.1	.1	18.3	18.8	18.6
Nashville	487.9	485.3	483.4	.7	.7	.7	26.6	27.9	27.0
Texas	6,755.0	6,863.3	6,873.9	181.7	177.1	177.5	317.0	315.5	313.4
Abilene	50.0	49.6	49.8	2.0	1.9	1.9	2.1	1.7	1.6
Amarillo	77.0	76.6	76.9	1.3	1.1	1.1	3.5	3.8	3.8
Austin	355.4	359.0	358.6	.7	.7	.7	13.8	12.8	12.5
Beaumont-Port Arthur	133.9	136.7	136.7	1.8	2.0	2.0	8.8	10.0	9.8
Brazoria	60.6	61.8	62.2	1.9	1.9	1.9	7.4	7.4	7.6
Brownsville-Harlingen	69.6	71.0	70.6	.1	.1	.1	2.1	2.2	2.2
Bryan-College Station	50.9	53.0	52.8	.6	.6	.6	2.0	1.7	1.6
Corpus Christi	125.5	127.3	127.2	4.4	4.0	3.9	8.3	10.0	9.9
Dallas	1,352.3	1,371.8	1,374.0	18.2	16.8	16.9	50.9	50.6	49.1
El Paso	195.9	201.0	201.0	.1	.1	.1	8.6	8.2	8.4
Ft. Worth-Arlington	530.9	543.2	543.4	3.7	4.0	4.0	22.2	22.8	22.1
Galveston-Texas City	71.1	71.2	70.7	.5	.5	.5	4.9	4.8	4.8
Houston	1,465.9	1,496.4	1,507.4	67.0	67.4	68.1	87.9	91.8	91.4
Killeen-Temple	72.0	72.3	73.0	.1	.1	.1	3.6	3.1	3.1
Laredo	39.6	42.0	42.5	1.9	1.9	1.9	1.0	1.3	1.4
Longview-Marshall	66.4	67.0	67.0	3.6	3.6	3.6	3.2	3.2	3.2
Lubbock	95.2	97.9	98.3	.4	.4	.4	3.2	3.2	3.0
McAllen-Edinburg-Mission	100.2	98.3	100.0	.9	.9	.8	4.1	4.1	4.1
Midland	45.0	44.3	44.3	9.9	9.5	9.5	1.4	1.4	1.4
Odessa	43.2	42.4	42.6	5.7	5.7	5.7	1.9	1.8	1.7
San Angelo	36.7	35.9	35.8	.5	.5	.5	1.4	1.1	1.1
San Antonio	508.9	511.6	513.4	2.2	2.1	2.1	23.0	21.8	21.7
Sherman-Denison	37.0	37.1	37.4	.1	.1	.1	1.6	1.7	1.7
Texarkana	45.4	47.3	47.4	.1	.1	.1	1.5	1.6	1.6
Tyler	60.8	61.5	61.5	2.0	1.9	1.9	2.0	2.1	2.1
Victoria	27.2	29.0	28.4	1.3	1.4	1.4	1.4	1.6	1.6
Waco	80.5	80.1	80.5	.1	.1	.1	3.7	3.0	3.0
Wichita Falls	51.4	50.7	50.5	1.9	1.8	1.8	2.2	2.0	2.0
Utah	682.7	711.0	714.3	8.0	8.4	8.4	25.6	28.5	27.3
Provo-Orem	85.5	90.2	89.8	(¹)	(¹)	(¹)	2.7	2.7	2.5
Salt Lake City-Ogden	467.5	484.0	487.3	2.6	2.8	2.8	17.4	19.1	18.3
Vermont	264.3	257.1	263.6	.5	.5	.5	19.3	19.5	18.9
Barre-Montpelier	35.2	35.8	36.8	.2	.2	.2	2.0	1.8	1.7
Burlington	78.5	77.7	78.6	(¹)	(¹)	(¹)	4.3	4.6	4.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Pennsylvania-Continued									
Reading	48.8	49.1	49.3	6.8	6.8	6.8	35.0	35.4	35.7
Scranton-Wilkes-Barre	71.5	70.9	70.2	16.2	16.1	16.0	69.0	69.7	70.1
Williamsport	16.3	15.6	15.6	1.9	2.0	2.0	11.7	11.9	12.0
York	62.0	61.0	61.1	7.9	8.0	8.0	43.6	43.9	44.4
Rhode Island									
.....	114.2	111.9	110.7	15.9	14.4	15.8	108.0	106.3	108.6
Pawtucket-Woonsocket-Attleboro	50.3	49.2	48.3	3.7	3.4	3.7	34.2	33.8	34.5
Providence	71.2	70.5	70.0	12.9	11.6	12.5	73.6	72.7	74.0
South Carolina									
.....	386.2	379.9	380.1	63.9	67.1	67.7	337.9	350.4	353.8
Charleston	21.7	21.9	21.6	11.7	11.6	11.7	46.0	46.2	47.0
Columbia	29.3	30.0	30.1	10.5	10.6	10.8	51.2	51.6	52.4
Greenville-Spartanburg	103.4	102.2	102.1	12.5	13.0	13.0	76.9	78.7	79.8
South Dakota									
.....	30.3	29.8	29.3	14.2	13.9	13.9	69.7	70.6	71.0
Rapid City	3.2	3.3	3.2	1.8	2.0	2.0	10.1	11.1	11.1
Sioux Falls	7.8	8.3	8.1	5.4	5.4	5.4	18.7	19.6	19.5
Tennessee									
.....	511.3	511.3	509.3	104.6	111.0	110.9	498.5	495.5	497.7
Chattanooga	47.6	47.6	47.3	8.3	8.8	8.8	46.4	45.6	45.5
Johnson City-Kingsport-Bristol	54.1	55.8	55.9	6.3	6.3	6.4	38.5	38.0	38.1
Knoxville	54.1	52.1	52.1	8.8	10.0	9.9	64.8	66.8	65.4
Memphis	54.6	54.7	54.3	40.6	42.1	42.1	124.2	121.4	121.8
Nashville	91.0	91.0	90.9	23.3	24.0	23.7	119.9	116.0	114.8
Texas									
.....	966.4	970.7	969.1	396.8	407.2	406.8	1,689.7	1,681.4	1,694.6
Abilene	4.9	5.1	5.1	2.5	2.5	2.5	14.2	13.7	14.0
Amarillo	9.0	8.6	8.7	5.5	5.7	5.7	23.1	22.6	22.8
Austin	41.4	42.3	42.4	10.5	10.5	10.5	77.8	77.2	78.2
Beaumont-Port Arthur	25.0	25.5	25.7	9.5	9.6	9.5	33.2	32.9	33.1
Brazoria	15.7	16.0	16.1	2.6	2.9	2.9	11.3	11.4	11.7
Brownsville-Harlingen	10.0	10.3	9.9	3.1	3.1	3.0	18.4	18.6	18.7
Bryan-College Station	3.5	3.6	3.6	1.5	1.6	1.6	10.7	11.2	11.3
Corpus Christi	11.3	11.4	11.4	6.5	6.2	6.2	31.5	31.7	31.8
Dallas	222.8	220.8	220.6	92.4	97.6	97.8	354.3	357.9	361.6
El Paso	40.6	41.1	40.4	10.8	10.9	11.0	47.0	50.3	50.6
Ft. Worth-Arlington	121.5	120.8	120.8	30.8	32.8	33.1	138.2	140.4	140.9
Galveston-Texas City	8.3	8.6	8.5	4.6	4.8	4.8	14.1	13.8	13.8
Houston	156.1	158.1	158.1	101.8	101.0	100.5	370.7	370.3	378.8
Killeen-Temple	8.3	8.5	8.6	2.8	2.6	2.6	16.7	16.8	16.9
Laredo	1.8	2.1	2.0	5.0	5.8	5.9	11.9	13.1	13.4
Longview-Marshall	15.9	15.4	15.5	3.1	3.2	3.2	17.3	17.5	17.5
Lubbock	7.6	7.5	7.5	4.8	5.1	5.4	28.6	29.2	29.6
McAllen-Edinburg-Mission	14.4	14.2	14.6	3.2	3.2	3.3	31.9	30.4	31.5
Midland	2.7	2.5	2.5	2.3	2.2	2.2	10.2	10.2	10.3
Odessa	4.1	3.9	3.9	2.1	2.1	2.1	13.0	12.7	12.9
San Angelo	5.4	5.2	5.4	3.0	2.7	2.7	9.4	9.0	8.8
San Antonio	47.6	47.7	47.8	19.0	19.1	19.0	130.8	127.6	129.1
Sherman-Denison	11.0	10.9	11.0	1.9	1.6	1.6	7.9	8.0	8.1
Texarkana	7.5	7.6	7.5	1.9	2.0	2.0	10.8	10.9	11.1
Tyler	10.5	10.9	10.9	2.5	2.6	2.5	16.4	16.3	16.4
Victoria	3.0	3.1	3.1	1.3	1.3	1.3	7.8	7.9	7.8
Waco	14.7	15.2	15.2	3.4	3.4	3.4	19.1	18.9	19.3
Wichita Falls	8.2	8.0	8.0	2.6	2.5	2.5	12.5	12.3	12.4
Utah									
.....	102.1	105.1	105.3	41.4	42.1	42.6	165.2	172.6	175.4
Provo-Orem	14.2	14.5	14.5	2.6	2.9	2.8	18.3	20.0	20.2
Salt Lake City-Ogden	65.8	67.9	68.2	31.8	32.3	32.5	118.5	122.8	125.0
Vermont									
.....	50.1	47.8	48.1	10.3	9.4	10.8	62.6	61.0	62.0
Barre-Montpelier	4.9	5.3	5.3	.9	.9	.9	7.8	8.0	8.3
Burlington	16.6	15.6	15.8	3.3	3.0	3.5	19.4	19.3	19.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Pennsylvania-Continued									
Reading	8.3	8.5	8.5	31.0	31.9	32.1	17.3	17.6	17.6
Scranton-Wilkes-Barre	13.5	13.8	14.0	73.8	75.1	74.8	42.7	43.1	43.1
Williamsport	2.4	2.4	2.4	10.1	10.8	10.7	6.9	7.2	7.1
York	4.9	4.8	4.8	32.4	34.0	34.3	18.7	19.0	18.8
Rhode Island									
Pawtucket-Woonsocket-Attleboro	26.5	26.6	26.6	117.2	118.0	118.1	60.6	60.1	60.5
Providence	3.9	4.1	4.1	24.6	25.5	25.2	10.3	10.5	10.6
	22.5	23.9	23.9	89.5	88.9	89.0	44.7	44.6	44.8
South Carolina									
Charleston	65.1	67.4	67.6	259.8	280.1	279.5	271.2	284.5	285.4
Columbia	8.6	8.4	8.3	41.6	44.0	44.4	52.6	55.9	55.7
Greenville-Spartanburg	18.0	18.4	18.5	45.5	49.5	49.7	63.0	65.5	65.5
	12.0	12.1	12.1	57.7	59.9	59.9	42.5	45.6	45.6
South Dakota									
Rapid City	14.7	15.6	15.6	65.2	65.9	65.7	60.5	61.8	61.9
Sioux Falls	1.6	1.5	1.5	8.7	8.7	8.8	7.5	7.7	7.7
	6.5	7.1	7.1	19.9	20.0	20.0	7.5	7.6	7.5
Tennessee									
Chattanooga	104.6	105.4	105.6	426.7	445.3	444.0	327.4	332.2	332.1
Johnson City-Kingsport-Bristol	12.7	13.0	13.1	39.1	41.7	41.7	35.6	35.4	35.2
Knoxville	5.4	5.4	5.4	31.0	32.6	32.8	24.4	25.9	25.9
Memphis	9.7	9.7	9.7	52.3	58.7	57.3	49.4	49.7	49.6
Nashville	25.1	25.8	25.9	108.1	110.1	109.2	71.5	73.9	73.7
	34.7	33.8	34.0	121.8	121.8	122.2	69.9	70.1	70.1
Texas									
Abilene	440.4	441.8	441.4	1,549.3	1,620.9	1,624.2	1,213.7	1,248.7	1,246.9
Amarillo	2.4	2.4	2.4	12.9	13.3	13.3	9.0	9.0	9.0
Austin	4.2	4.0	4.0	16.9	17.0	17.1	13.5	13.8	13.7
Beaumont-Port Arthur	24.1	23.8	23.8	84.7	86.7	86.6	102.4	105.0	103.9
Brazoria	5.3	5.2	5.1	29.7	30.7	30.7	20.6	20.8	20.8
Brownsville-Harlingen	2.0	1.8	1.8	8.4	8.8	8.8	11.3	11.6	11.4
Bryan-College Station	3.6	3.6	3.6	15.6	16.2	16.2	16.8	17.0	17.0
Corpus Christi	1.6	1.6	1.6	8.9	9.2	9.2	22.1	23.5	23.3
Dallas	7.0	6.9	6.9	28.7	29.3	29.3	27.8	27.8	27.8
El Paso	127.7	126.1	126.4	333.8	345.1	344.9	152.2	156.9	156.7
Ft. Worth-Arlington	8.4	8.3	8.2	39.0	38.8	39.1	41.4	43.4	43.3
Galveston-Texas City	26.8	27.1	27.2	118.2	123.2	123.5	69.5	72.1	71.8
Houston	4.1	4.0	4.0	13.9	14.4	14.2	20.7	20.3	20.1
Killeen-Temple	101.0	99.3	99.4	386.9	407.1	408.9	194.5	201.4	202.2
Laredo	3.0	3.1	3.2	16.2	16.5	16.8	21.3	21.6	21.7
Longview-Marshall	1.5	1.6	1.6	6.4	6.5	6.5	10.1	9.7	9.8
Lubbock	2.7	2.6	2.6	12.1	12.9	12.8	8.5	8.6	8.6
McAllen-Edinburg-Mission	5.5	5.6	5.6	23.1	23.9	23.8	22.0	23.0	23.0
Midland	3.8	3.8	3.8	16.1	16.7	16.9	25.8	25.0	25.0
Odessa	2.3	2.2	2.2	9.6	9.4	9.3	6.6	6.9	6.9
San Angelo	1.7	1.6	1.6	7.2	7.2	7.2	7.5	7.4	7.5
San Antonio	1.8	1.8	1.8	8.1	8.1	8.1	7.1	7.5	7.4
Sherman-Denison	39.7	40.5	40.7	126.1	130.0	130.7	120.5	122.8	122.3
Texarkana	1.7	1.8	1.8	8.4	8.7	8.8	4.4	4.3	4.3
Tyler	1.9	1.9	1.9	9.5	10.0	9.9	12.2	13.2	13.3
Victoria	3.4	3.4	3.4	14.5	14.7	14.6	9.5	9.6	9.7
Waco	1.5	1.5	1.5	6.0	6.0	5.9	4.9	6.2	5.8
Wichita Falls	4.9	4.8	4.8	21.6	22.0	21.8	13.0	12.7	12.9
	2.3	2.3	2.2	11.9	12.1	12.1	9.8	9.7	9.5
Utah									
Provo-Orem	33.0	33.1	33.1	162.7	171.3	173.3	144.7	149.9	148.9
Salt Lake City-Ogden	2.3	2.1	2.2	32.0	34.1	33.7	13.4	13.9	13.9
	27.1	26.9	26.8	109.3	114.8	116.6	95.0	97.4	97.1
Vermont									
Barre-Montpelier	12.7	13.1	13.2	65.6	62.7	66.3	43.2	43.1	43.8
Burlington	3.0	3.1	3.1	8.0	8.3	8.8	8.4	8.2	8.5
	3.6	3.6	3.6	18.6	19.4	19.3	12.7	12.1	12.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Virginia	2,860.7	2,953.4	2,949.0	15.7	14.9	15.0	201.9	211.2	202.6
Bristol	32.9	33.0	33.3	.1	.1	.1	.9	.9	.8
Charlottesville	69.2	67.9	67.9	.1	.1	.1	4.0	4.1	4.0
Danville	42.3	44.0	43.7	.1	.1	.1	2.2	2.7	2.6
Lynchburg	73.0	75.3	74.7	.1	.1	.1	3.6	3.6	3.4
Norfolk-Virginia Beach-Newport News	569.6	578.5	576.3	.2	.2	.2	38.7	39.6	39.0
Northern Virginia	769.1	808.4	811.9	.6	.6	.6	62.6	67.5	64.8
Richmond-Petersburg	462.0	476.3	475.3	1.0	1.3	1.3	31.0	32.3	31.0
Roanoke	124.0	125.6	124.2	.1	.1	.1	7.9	8.3	7.8
Washington	1,984.5	2,088.7	2,089.9	3.4	3.4	3.4	96.6	110.7	108.7
Seattle	1,020.2	1,078.7	1,081.9	.6	.7	.7	51.8	55.9	54.3
West Virginia	616.9	626.1	622.3	34.5	34.5	34.2	24.7	27.9	25.5
Charleston	108.7	110.9	110.8	1.9	1.9	1.9	4.3	4.4	4.1
Huntington-Ashland	106.2	109.9	109.6	1.4	1.5	1.5	3.6	4.8	4.5
Parkersburg-Marietta	61.8	62.6	62.2	.7	.6	.6	3.1	3.2	2.9
Wheeling	60.3	60.6	60.3	2.6	2.6	2.6	2.1	2.1	2.0
Wisconsin	2,185.0	2,234.4	2,230.2	2.0	2.7	2.2	73.6	81.1	74.4
Appleton-Oshkosh-Neenah	153.3	156.5	156.5	(¹)	(¹)	(¹)	6.8	8.2	8.3
Eau Claire	58.3	59.9	59.9	(¹)	(¹)	(¹)	1.8	1.5	1.3
Green Bay	97.4	102.2	102.9	(¹)	(¹)	(¹)	3.3	4.2	4.0
Janesville-Beloit	58.6	58.2	58.2	(¹)	(¹)	(¹)	1.9	1.3	1.2
Kenosha	43.2	39.6	39.7	(¹)	(¹)	(¹)	1.6	1.6	1.6
La Crosse	56.9	59.5	59.0	(¹)	(¹)	(¹)	2.0	2.5	2.0
Madison	208.2	213.6	212.2	(¹)	(¹)	(¹)	6.0	5.6	5.3
Milwaukee	733.6	748.6	751.7	(¹)	(¹)	(¹)	23.4	26.1	24.6
Racine	74.1	76.5	76.9	(¹)	(¹)	(¹)	2.0	2.6	2.4
Wausau	49.1	51.1	51.3	(¹)	(¹)	(¹)	2.0	2.3	2.2
Wyoming	187.1	191.9	191.2	18.7	18.4	18.4	9.4	10.5	9.5
Puerto Rico	836.6	830.2	836.6	.8	.8	.8	42.7	42.1	42.0
Caguas	53.1	52.0	52.5	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Mayaguez	59.1	58.5	58.8	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Ponce	53.9	55.8	56.5	.1	.1	.1	3.9	3.6	3.8
San Juan	518.3	513.3	517.3	.4	.4	.4	30.5	31.0	30.7
Virgin Islands	41.5	38.2	38.5	(¹)	(¹)	(¹)	2.1	2.9	2.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Virginia	429.0	424.8	423.2	150.1	151.2	152.3	666.2	684.2	691.3
Bristol	10.9	10.4	10.7	1.1	1.1	1.1	8.7	9.1	9.1
Charlottesville	8.8	8.6	8.6	2.3	2.3	2.3	13.4	14.0	13.9
Danville	16.8	16.8	16.7	.9	.9	.9	9.7	10.4	10.4
Lynchburg	22.8	22.8	22.8	2.6	2.5	2.6	16.9	17.6	17.4
Norfolk-Virginia Beach-Newport News	66.4	66.6	66.4	26.7	25.5	25.9	144.3	144.0	143.9
Northern Virginia	35.2	33.5	33.2	56.2	61.1	61.9	171.7	175.8	180.4
Richmond-Petersburg	63.1	61.1	60.5	23.4	24.3	24.2	113.2	118.9	120.1
Roanoke	19.8	19.3	19.4	8.4	8.4	8.4	34.6	34.7	34.8
Washington	345.6	365.6	363.0	102.9	108.3	107.6	495.5	514.5	520.6
Seattle	205.4	220.8	220.9	62.9	67.4	67.3	252.4	259.5	263.6
West Virginia	87.9	86.6	86.2	37.2	37.6	37.3	146.2	150.2	150.7
Charleston	11.0	11.1	11.0	8.6	9.0	9.0	29.3	30.5	30.7
Huntington-Ashland	19.9	20.5	20.4	7.8	7.8	7.8	27.7	28.6	28.7
Parkersburg-Marietta	14.1	14.5	14.4	2.2	2.3	2.3	15.3	14.9	14.9
Wheeling	7.2	7.3	7.3	3.4	3.3	3.3	17.1	17.1	17.1
Wisconsin	554.9	555.2	552.5	100.6	102.5	103.7	517.6	533.7	535.4
Appleton-Oshkosh-Neenah	52.6	52.0	51.9	5.9	6.0	6.1	33.3	35.1	35.0
Eau Claire	11.6	11.9	11.8	3.1	3.3	3.3	15.7	16.2	16.3
Green Bay	25.1	26.3	26.3	7.5	7.6	7.6	24.7	25.3	25.8
Janesville-Beloit	18.6	17.4	17.2	2.1	2.3	2.3	14.1	14.4	14.5
Kenosha	13.6	9.5	9.4	1.6	1.5	1.5	9.8	10.4	10.3
La Crosse	11.1	11.1	10.6	2.3	2.2	2.2	16.6	17.4	17.8
Madison	24.9	25.0	24.8	7.3	7.5	7.5	49.3	49.8	50.4
Milwaukee	176.4	177.9	177.9	36.3	36.1	37.3	168.9	172.9	175.4
Racine	26.1	26.3	26.5	2.3	2.5	2.5	16.8	17.0	17.3
Wausau	13.6	14.0	14.1	2.8	3.0	3.0	12.2	12.8	12.9
Wyoming	9.4	9.6	9.6	13.9	14.7	14.7	41.9	42.6	42.9
Puerto Rico	157.7	161.1	160.8	17.3	16.4	16.5	156.6	151.0	156.6
Caguas	16.7	16.2	16.1	(¹)	(¹)	(¹)	11.7	11.2	11.7
Mayaguez	21.1	20.4	20.2	(¹)	(¹)	(¹)	8.2	7.9	8.2
Ponce	10.2	10.1	10.2	(¹)	(¹)	(¹)	9.1	9.5	9.8
San Juan	66.3	69.0	69.0	14.0	13.4	13.5	107.6	102.2	105.7
Virgin Islands	2.4	2.2	2.2	2.6	2.2	2.2	9.7	8.6	8.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Virginia	152.3	156.8	157.4	686.2	725.5	721.8	559.3	584.8	585.4
Bristol	1.3	1.3	1.4	4.6	4.7	4.6	5.3	5.4	5.5
Charlottesville	3.4	3.3	3.4	12.7	13.1	13.2	24.5	22.4	22.4
Danville	1.3	1.3	1.3	6.1	6.3	6.3	5.3	5.5	5.4
Lynchburg	4.1	4.5	4.5	13.5	14.8	14.5	9.4	9.4	9.4
Norfolk-Virginia Beach-Newport News	26.8	27.0	27.3	135.6	141.3	139.3	130.9	134.3	134.3
Northern Virginia	49.6	52.6	52.3	248.3	265.6	266.9	144.9	151.7	151.8
Richmond-Petersburg	40.0	41.6	42.0	95.4	98.0	97.3	94.9	98.8	98.9
Roanoke	8.4	8.6	8.6	29.4	30.5	30.2	15.4	15.7	14.9
Washington	111.7	116.1	117.1	454.0	480.2	482.0	374.8	389.9	387.5
Seattle	71.0	74.4	74.7	236.8	255.3	256.2	139.3	144.7	144.2
West Virginia	24.3	24.2	24.2	132.8	138.9	137.9	129.3	126.2	126.3
Charleston	6.3	6.4	6.4	26.0	26.9	26.9	21.3	20.7	20.8
Huntington-Ashland	3.8	3.7	3.7	22.7	23.9	23.8	19.3	19.1	19.2
Parkersburg-Marietta	2.3	2.4	2.5	14.0	14.4	14.4	10.1	10.3	10.2
Wheeling	2.8	2.8	2.8	15.7	16.1	16.1	9.4	9.3	9.1
Wisconsin	116.5	120.3	120.8	484.8	496.4	497.9	335.0	342.5	343.3
Appleton-Oshkosh-Neenah	7.2	7.3	7.4	30.2	30.0	30.1	17.1	17.6	17.4
Eau Claire	1.8	1.8	1.8	12.9	13.4	13.5	11.4	11.8	11.9
Green Bay	3.3	3.7	3.7	22.3	23.5	23.9	11.2	11.5	11.5
Janesville-Beloit	1.6	1.7	1.7	12.7	13.2	13.3	7.5	7.8	7.9
Kenosha	1.2	1.3	1.3	9.0	8.9	9.3	6.4	6.4	6.3
La Crosse	1.6	1.6	1.7	15.4	16.6	16.7	7.9	8.1	8.0
Madison	18.6	18.8	18.8	45.4	47.0	46.5	56.5	59.7	58.7
Milwaukee	51.0	51.9	52.1	193.8	199.0	199.6	83.5	84.4	84.5
Racine	2.2	2.4	2.4	16.3	17.2	17.2	8.4	8.5	8.6
Wausau	3.6	3.7	3.7	8.6	8.8	8.9	6.3	6.5	6.5
Wyoming	7.2	7.1	7.1	32.0	33.2	33.3	54.6	55.8	55.7
Puerto Rico	36.0	35.6	35.7	125.4	128.1	129.4	300.2	295.0	294.9
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	16.2	16.2	16.2
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	19.5	19.2	19.3
Ponce	(¹)	(¹)	(¹)	10.0	10.4	10.5	17.2	18.9	18.9
San Juan	28.6	28.5	28.6	91.7	93.0	93.5	179.2	175.9	175.8
Virgin Islands	2.0	1.7	1.8	9.5	7.5	8.0	13.2	13.1	13.2

¹ Not available.
² Combined with construction.
^P = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1988 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988	34.7	9.29	322.36	42.3	12.75	539.33	37.9	13.01	493.08
1989 ^p	34.7	9.66	335.20	42.9	13.14	563.71	37.9	13.37	506.72
Monthly data, not seasonally adjusted									
1989:									
January	34.5	\$9.54	\$329.13	42.2	\$13.20	\$557.04	36.5	\$13.26	\$483.99
February	34.3	9.55	327.57	41.7	13.22	551.27	36.2	13.21	478.20
March	34.4	9.56	328.86	42.0	13.15	552.30	37.4	13.26	495.92
April	34.8	9.62	334.78	42.8	13.19	564.53	37.9	13.30	504.07
May	34.5	9.59	330.86	42.0	13.13	551.46	37.7	13.28	500.66
June	34.8	9.58	333.38	42.6	13.03	555.08	38.0	13.24	503.12
July	35.1	9.63	338.01	42.5	12.95	550.38	38.9	13.33	518.54
August	34.9	9.61	335.39	43.2	13.11	566.35	39.0	13.33	519.87
September	34.7	9.77	339.02	43.7	13.15	574.66	38.6	13.48	520.33
October	34.8	9.81	341.39	43.9	13.10	575.09	39.2	13.52	529.98
November	34.5	9.81	338.45	43.6	13.13	572.47	38.1	13.51	514.73
December ^p	34.6	9.84	340.46	43.8	13.34	584.29	37.0	13.66	505.42
1990:									
January ^p	34.2	9.89	338.24	44.0	13.39	589.16	37.7	13.43	506.31

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
	Annual averages									
1964	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.55	329.18
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.89	342.27
1985	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.16	351.74
1986	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.35	358.11
1987	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.60	365.76
1988	41.1	10.18	9.72	418.40	39.3	12.32	484.18	38.1	9.94	378.71
1989 ^a	41.0	10.47	10.01	429.27	39.4	12.57	495.26	38.1	10.38	395.48
	Monthly data, not seasonally adjusted									
1989:										
January	41.0	\$10.37	\$9.91	\$425.17	39.3	\$12.47	\$490.07	37.9	\$10.23	\$387.72
February	40.8	10.38	9.92	423.50	39.1	12.50	488.75	37.8	10.23	386.69
March	41.0	10.41	9.94	426.81	39.2	12.46	488.43	37.9	10.21	386.96
April	41.0	10.41	9.95	426.81	39.8	12.51	497.90	38.2	10.36	395.75
May	40.9	10.42	9.98	426.18	39.3	12.49	490.86	37.9	10.28	389.61
June	41.1	10.44	9.98	429.08	39.6	12.48	494.21	38.1	10.31	392.81
July	40.5	10.47	10.02	424.04	39.8	12.58	500.68	38.3	10.40	398.32
August	40.8	10.44	9.97	425.95	39.4	12.56	494.86	38.1	10.35	394.34
September	41.2	10.55	10.05	434.66	39.4	12.70	500.38	38.1	10.47	398.91
October	40.9	10.52	10.04	430.27	39.4	12.69	499.99	38.3	10.50	402.15
November	41.1	10.58	10.10	434.84	39.1	12.67	495.40	38.1	10.55	401.96
December ^b	41.3	10.66	10.18	440.26	39.2	12.70	497.84	38.2	10.62	405.68
1990:										
January ^c	40.6	10.60	10.16	430.36	38.6	12.75	492.15	37.8	10.64	402.19

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988	29.1	6.31	183.62	35.9	9.09	326.33	32.6	8.91	290.47
1989 ^p	28.9	6.54	189.01	35.9	9.57	343.56	32.6	9.39	306.11
Monthly data, not seasonally adjusted									
1989:									
January	28.4	\$6.48	\$184.03	36.1	\$9.46	\$341.51	32.6	\$9.25	\$301.55
February	28.3	6.47	183.10	35.8	9.47	339.03	32.4	9.28	300.67
March	28.5	6.48	184.68	35.8	9.43	337.59	32.4	9.29	301.00
April	28.9	6.52	188.43	36.3	9.59	348.12	32.8	9.34	306.35
May	28.8	6.49	186.91	35.6	9.48	337.49	32.4	9.30	301.32
June	29.2	6.49	189.51	35.8	9.48	339.38	32.7	9.26	302.80
July	29.9	6.49	194.05	36.3	9.59	348.12	33.1	9.33	308.82
August	29.6	6.50	192.40	35.8	9.50	340.10	32.9	9.29	305.64
September	28.9	6.61	191.03	35.7	9.62	343.43	32.6	9.49	309.37
October	28.9	6.62	191.32	36.1	9.71	350.53	32.8	9.59	314.55
November	28.6	6.64	189.90	35.7	9.69	345.93	32.6	9.61	313.29
December ^p	29.2	6.66	194.47	35.7	9.76	348.43	32.5	9.69	314.93
1990:									
January ^p	28.3	6.74	190.74	35.7	9.84	351.29	32.4	9.77	316.55

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

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

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Total private		34.9	34.5	34.5	34.6	34.2	-	-	-	-	-
Mining		42.8	42.2	43.6	43.8	44.0	-	-	-	-	-
Metal mining	10	42.2	42.3	42.1	42.5	-	-	-	-	-	-
Iron ores	101	42.8	43.2	38.2	40.6	-	-	-	-	-	-
Copper ores	102	43.7	44.2	46.4	45.9	-	-	-	-	-	-
Coal mining	11,12	42.8	42.8	43.8	44.2	-	-	-	-	-	-
Bituminous coal and lignite mining	12	42.9	42.9	43.9	44.3	-	-	-	-	-	-
Oil and gas extraction	13	42.2	41.5	43.1	43.8	-	-	-	-	-	-
Crude petroleum, natural gas, and natural gas liquids	131,2	44.1	42.9	41.8	45.4	-	-	-	-	-	-
Oil and gas field services	138	41.1	40.7	43.7	43.1	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	44.8	43.1	46.0	43.9	-	-	-	-	-	-
Crushed and broken stone	142	46.0	43.7	46.9	44.0	-	-	-	-	-	-
Construction		37.3	36.5	38.1	37.0	37.7	-	-	-	-	-
General building contractors	15	37.4	36.8	37.6	36.8	-	-	-	-	-	-
Residential building construction	152	36.2	35.6	37.1	36.0	-	-	-	-	-	-
Operative builders	153	38.2	38.1	37.6	37.5	-	-	-	-	-	-
Nonresidential building construction	154	38.7	38.0	38.3	37.7	-	-	-	-	-	-
Heavy construction contractors	16	40.0	38.4	41.9	39.6	-	-	-	-	-	-
Highway and street construction	161	39.0	36.5	41.1	37.5	-	-	-	-	-	-
Heavy construction, except highway	162	40.4	39.1	42.3	40.4	-	-	-	-	-	-
Special trade contractors	17	36.5	35.9	37.2	36.3	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	39.0	38.1	38.4	38.7	-	-	-	-	-	-
Painting, paper hanging, and decorating	172	35.8	34.9	36.1	34.9	-	-	-	-	-	-
Electrical work	173	39.0	38.2	39.3	39.1	-	-	-	-	-	-
Masonry, stonework, and plastering	174	33.6	33.7	34.8	33.3	-	-	-	-	-	-
Carpentering and flooring	175	34.3	33.9	35.1	34.7	-	-	-	-	-	-
Roofing and sheet metal work	176	32.3	31.2	33.6	31.3	-	-	-	-	-	-
Manufacturing		41.7	41.0	41.1	41.3	40.6	4.2	3.8	3.9	3.9	3.5
Durable goods		42.5	41.8	41.5	41.9	41.2	4.5	4.0	3.9	4.0	3.6
Lumber and wood products	24	40.4	39.7	40.1	40.2	39.6	3.5	3.2	3.6	3.6	-
Logging camps and logging contractors	241	39.8	38.6	40.2	39.5	-	4.2	3.9	5.4	4.6	-
Sawmills and planing mills	242	41.8	41.2	41.0	41.2	-	4.2	4.0	4.1	4.4	-
Sawmills and planing mills, general	2421	42.1	41.4	41.3	41.5	-	4.4	4.2	4.4	4.7	-
Hardwood dimension and flooring	2426	41.2	40.8	39.5	40.4	-	3.4	3.2	2.9	3.2	-
Millwork, plywood, and structural members	243	40.3	39.4	40.1	40.4	-	3.3	2.9	3.3	3.3	-
Millwork	2431	39.8	39.1	39.1	39.9	-	2.5	2.1	2.3	2.5	-
Wood kitchen cabinets	2434	39.0	37.8	40.0	39.4	-	2.8	2.3	3.6	3.3	-
Hardwood veneer and plywood	2435	41.6	40.8	41.5	41.9	-	3.7	3.9	3.8	4.2	-
Softwood veneer and plywood	2436	43.4	42.9	42.3	43.2	-	5.3	5.4	5.0	5.2	-
Wood containers	244	38.7	38.4	38.7	38.3	-	3.0	3.0	3.0	3.3	-
Wood buildings and mobile homes	245	38.8	37.6	38.0	36.4	-	2.4	1.9	1.9	1.3	-
Mobile homes	2451	38.3	37.7	37.9	37.0	-	2.3	2.0	1.6	1.3	-
Miscellaneous wood products	249	39.8	39.7	40.1	40.9	-	3.0	2.8	3.2	3.3	-
Furniture and fixtures	25	40.5	39.4	39.8	40.2	39.1	3.1	2.5	2.8	2.9	-
Household furniture	251	40.3	39.0	39.0	39.5	-	2.7	2.3	2.3	2.6	-
Wood household furniture	2511	40.7	39.5	39.8	39.7	-	2.7	2.5	2.9	2.8	-
Upholstered household furniture	2512	39.9	38.1	37.9	39.3	-	2.7	1.8	1.7	2.5	-
Metal household furniture	2514	41.1	39.8	39.9	41.4	-	3.3	2.7	2.7	3.2	-
Mattresses and bedspings	2515	38.7	38.2	38.9	38.7	-	2.7	2.4	2.2	2.4	-
Office furniture	252	41.7	40.4	41.1	41.0	-	3.5	2.8	3.0	2.9	-
Public building and related furniture	253	41.5	40.2	40.8	41.2	-	5.0	3.5	4.0	3.7	-
Partitions and fixtures	254	40.2	40.1	41.5	41.4	-	3.6	3.4	4.0	3.5	-
Miscellaneous furniture and fixtures	259	40.2	38.6	40.6	40.7	-	3.0	1.9	3.2	3.1	-
Stone, clay, and glass products	32	42.2	41.5	42.5	41.5	41.3	4.8	4.5	5.1	4.5	-
Flat glass	321	45.8	46.3	42.9	43.7	-	7.8	8.2	5.1	6.1	-
Glass and glassware, pressed or blown	322	41.7	41.8	41.9	41.5	-	4.4	4.2	4.6	4.7	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Total private		\$9.46	\$9.54	\$9.81	\$9.84	\$9.89	\$330.15	\$329.13	\$338.45	\$340.46	\$338.24
Mining		13.03	13.20	13.13	13.34	13.39	557.68	557.04	572.47	584.29	589.16
Metal mining	10	13.64	13.80	13.69	13.53	-	575.61	583.74	576.35	575.03	-
Iron ores	101	15.23	15.19	14.81	13.88	-	651.84	656.21	565.74	563.53	-
Copper ores	102	11.61	11.84	11.90	11.83	-	507.36	523.33	552.16	543.00	-
Coal mining	11,12	16.08	16.30	16.53	16.49	-	688.22	697.64	724.01	728.86	-
Bituminous coal and lignite mining	12	16.13	16.36	16.59	16.55	-	691.98	701.84	728.30	733.17	-
Oil and gas extraction	13	12.17	12.31	12.13	12.54	-	513.57	510.87	522.80	549.25	-
Crude petroleum, natural gas, and natural gas liquids	131,2	14.85	14.85	15.51	15.94	-	654.89	637.07	648.32	723.68	-
Oil and gas field services	138	10.45	10.65	10.52	10.74	-	429.50	433.46	459.72	462.89	-
Nonmetallic minerals, except fuels	14	11.10	10.99	11.45	11.48	-	497.28	473.67	526.70	503.97	-
Crushed and broken stone	142	10.42	10.23	10.81	10.63	-	479.32	447.05	506.99	467.72	-
Construction		13.19	13.26	13.51	13.66	13.43	491.99	483.99	514.73	505.42	506.31
General building contractors	15	12.42	12.44	12.79	12.91	-	464.51	457.79	480.90	475.09	-
Residential building construction	152	11.79	11.75	12.20	12.34	-	426.80	418.30	452.62	444.24	-
Operative builders	153	11.73	11.73	12.17	12.47	-	448.09	446.91	457.59	467.63	-
Nonresidential building construction	154	13.13	13.21	13.47	13.55	-	508.13	501.98	515.90	510.84	-
Heavy construction contractors	16	12.48	12.68	13.18	13.22	-	499.20	486.91	552.24	523.51	-
Highway and street construction	161	12.07	12.12	12.99	12.80	-	470.73	442.38	533.89	480.00	-
Heavy construction, except highway	162	12.65	12.87	13.26	13.36	-	511.06	503.22	560.90	539.74	-
Special trade contractors	17	13.73	13.76	13.91	14.10	-	501.15	493.98	517.45	511.83	-
Plumbing, heating, and air conditioning	171	14.09	14.03	14.30	14.44	-	549.51	534.54	549.12	558.83	-
Painting, paper hanging, and decorating	172	12.86	12.86	13.17	13.32	-	460.39	448.81	475.44	464.87	-
Electrical work	173	14.72	14.64	14.95	15.00	-	574.08	559.25	587.54	586.50	-
Masonry, stonework, and plastering	174	13.81	13.87	14.18	14.21	-	464.02	467.42	493.46	473.19	-
Carpentering and flooring	175	13.14	12.99	13.42	13.67	-	450.70	440.36	471.04	474.35	-
Roofing and sheet metal work	176	12.22	12.37	12.30	12.61	-	394.71	385.94	413.28	394.69	-
Manufacturing		10.37	10.37	10.58	10.66	10.60	432.43	425.17	434.84	440.26	430.36
Durable goods		10.90	10.90	11.10	11.18	11.04	463.25	455.62	460.65	468.44	454.85
Lumber and wood products	24	8.76	8.71	8.99	9.02	8.95	353.90	345.79	360.50	362.60	354.42
Logging camps and logging contractors	241	11.16	10.80	11.04	11.17	-	444.17	416.88	443.81	441.22	-
Sawmills and planing mills	242	8.95	8.93	9.19	9.23	-	374.11	367.92	376.79	380.28	-
Sawmills and planing mills, general	2421	9.29	9.27	9.54	9.59	-	391.11	383.78	394.00	397.99	-
Hardwood dimension and flooring	2426	7.30	7.29	7.42	7.45	-	300.76	297.43	293.09	300.98	-
Millwork, plywood, and structural members	243	8.65	8.70	8.92	8.96	-	348.60	342.78	357.69	361.98	-
Millwork	2431	8.83	8.83	9.16	9.15	-	351.43	345.25	358.16	365.09	-
Wood kitchen cabinets	2434	8.09	8.09	8.41	8.47	-	315.51	305.80	336.40	333.72	-
Hardwood veneer and plywood	2435	7.09	7.22	7.46	7.60	-	294.94	294.58	309.59	318.44	-
Softwood veneer and plywood	2436	10.15	10.28	10.22	10.17	-	440.51	441.01	432.31	439.34	-
Wood containers	244	6.46	6.42	6.58	6.68	-	250.00	246.53	254.65	255.84	-
Wood buildings and mobile homes	245	8.23	8.31	8.43	8.44	-	319.32	312.46	320.34	307.22	-
Mobile homes	2451	8.32	8.38	8.47	8.48	-	318.66	315.93	321.01	313.76	-
Miscellaneous wood products	249	7.54	7.47	7.81	7.84	-	300.09	296.56	313.18	320.66	-
Furniture and fixtures	25	8.06	8.10	8.40	8.40	8.40	326.43	319.14	334.32	337.68	328.44
Household furniture	251	7.43	7.45	7.76	7.80	-	299.43	290.55	302.64	308.10	-
Wood household furniture	2511	6.94	6.99	7.29	7.34	-	282.46	276.11	290.14	291.40	-
Upholstered household furniture	2512	8.18	8.15	8.47	8.51	-	326.38	310.52	321.01	334.44	-
Metal household furniture	2514	7.34	7.23	7.83	7.86	-	301.67	287.75	312.42	325.40	-
Mattresses and bedsprings	2515	7.98	8.04	8.21	8.09	-	308.83	307.13	319.37	313.08	-
Office furniture	252	9.01	9.27	9.51	9.50	-	375.72	374.51	390.86	389.50	-
Public building and related furniture	253	8.77	8.57	8.87	8.88	-	363.96	344.51	361.90	365.86	-
Partitions and fixtures	254	9.59	9.55	9.78	9.68	-	385.52	382.96	405.87	400.75	-
Miscellaneous furniture and fixtures	259	8.25	8.39	8.49	8.57	-	331.65	323.85	344.69	348.80	-
Stone, clay, and glass products	32	10.57	10.59	10.87	10.87	10.87	446.05	439.49	461.98	451.11	448.93
Flat glass	321	15.54	15.44	14.64	15.01	-	711.73	714.87	628.06	655.94	-
Glass and glassware, pressed or blown	322	11.75	11.80	12.04	12.18	-	489.98	493.24	504.48	505.47	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	41.5	41.6	42.0	41.8	-	5.0	4.9	5.5	5.6	-
Pressed and blown glass, nec	3229	42.0	41.9	41.7	41.1	-	3.8	3.5	3.6	3.7	-
Products of purchased glass	323	42.2	42.4	42.9	41.7	-	3.5	3.7	4.1	3.3	-
Cement, hydraulic	324	41.7	42.1	43.0	41.5	-	3.1	3.7	4.2	3.2	-
Structural clay products	325	42.4	41.8	41.7	41.1	-	4.3	4.0	3.6	3.4	-
Pottery and related products	326	41.2	40.4	41.2	41.0	-	4.0	3.1	3.7	3.5	-
Concrete, gypsum, and plaster products	327	42.0	40.4	43.2	41.0	-	5.5	4.9	6.5	5.1	-
Concrete block and brick	3271	43.9	43.0	43.3	42.4	-	5.4	4.9	6.0	5.1	-
Concrete products, nec	3272	43.0	42.0	43.1	42.5	-	5.8	5.5	6.1	5.5	-
Ready-mixed concrete	3273	39.6	37.5	42.4	38.5	-	4.7	3.8	6.4	4.3	-
Misc. nonmetallic mineral products	329	43.1	42.7	42.4	42.5	-	5.0	4.9	4.6	4.7	-
Abrasive products	3291	44.6	44.7	42.4	43.3	-	4.7	4.5	3.6	3.9	-
Asbestos products	3292	44.5	44.4	42.8	42.5	-	6.4	5.8	5.8	5.0	-
Primary metal industries											
Blast furnaces and basic steel products	331	44.2	44.0	43.0	43.4	43.3	5.8	5.5	5.2	5.1	-
Blast furnaces and steel mills	3312	44.6	44.3	43.4	43.5	-	6.1	5.7	5.4	5.2	-
Steel pipe and tubes	3317	42.4	42.6	43.2	44.1	-	4.9	5.0	5.3	5.8	-
Iron and steel foundries	332	44.4	44.0	41.9	42.4	-	6.2	5.9	4.3	4.5	-
Gray iron foundries	3321	44.4	44.1	41.8	41.9	-	6.5	6.2	4.3	4.1	-
Malleable iron foundries	3322	43.0	42.8	41.5	41.5	-	5.0	5.1	3.5	4.0	-
Steel foundries, nec	3325	44.2	43.6	41.4	42.8	-	5.7	5.2	4.1	5.5	-
Primary nonferrous metals	333	43.7	43.5	43.8	44.6	-	4.9	4.8	4.7	4.8	-
Primary aluminum	3334	43.4	43.4	43.5	44.0	-	4.7	4.8	5.0	4.9	-
Nonferrous rolling and drawing	335	44.2	43.9	43.8	43.8	-	6.2	6.1	6.0	5.8	-
Copper rolling and drawing	3351	44.7	43.7	43.8	43.8	-	6.3	5.4	5.5	5.7	-
Aluminum sheet, plate, and foil	3353	44.9	44.4	45.5	45.0	-	6.9	6.9	8.1	6.7	-
Nonferrous wire drawing and insulating	3357	43.6	43.6	42.5	41.9	-	5.9	6.0	5.0	4.8	-
Nonferrous foundries	336	43.3	42.3	41.0	41.4	-	5.0	4.3	3.5	3.6	-
Aluminum foundries	3361	43.4	42.7	41.1	41.8	-	5.1	4.6	3.4	3.8	-
Fabricated metal products											
Metal cans and shipping containers	341	45.6	44.4	43.4	43.8	-	5.6	5.6	5.3	5.0	-
Metal cans	3411	46.1	44.9	43.6	44.4	-	5.6	5.7	5.3	5.0	-
Cutlery, hand tools, and hardware	342	41.8	41.3	41.5	41.9	-	3.7	3.3	3.3	3.4	-
Hand and edge tools, and hand saws and blades ..	3423.5	41.1	40.9	41.6	41.6	-	3.2	3.1	3.5	3.6	-
Hardware, nec	3429	41.9	41.2	41.0	41.6	-	3.8	3.3	2.8	2.9	-
Plumbing and heating, except electric	343	41.9	41.4	41.9	42.1	-	3.9	3.7	3.7	3.4	-
Plumbing fittings and brass goods	3432	42.4	42.0	40.5	41.4	-	3.8	3.9	2.5	2.5	-
Heating equipment, except electric	3433	41.3	40.6	42.7	42.4	-	3.7	4.2	4.3	3.9	-
Fabricated structural metal products	344	41.9	41.0	41.7	41.7	-	4.4	3.7	4.0	4.0	-
Fabricated structural metal	3441	42.7	41.8	42.6	42.5	-	5.2	4.6	4.7	4.7	-
Metal doors, sash, and trim	3442	40.1	38.9	40.4	39.7	-	2.8	2.6	2.5	2.2	-
Fabricated plate work (boiler shops)	3443	42.9	42.7	43.2	43.4	-	4.8	4.3	4.8	5.0	-
Sheet metal work	3444	40.9	40.1	41.0	41.4	-	3.8	3.1	3.5	3.7	-
Architectural metal work	3446	42.3	40.7	39.8	40.3	-	5.3	4.7	4.4	4.1	-
Screw machine products, bolts, etc	345	43.8	43.8	42.3	42.6	-	6.0	5.7	4.9	4.8	-
Screw machine products	3451	42.3	42.4	40.7	41.1	-	4.7	4.8	3.8	3.6	-
Bolts, nuts, rivets, and washers	3452	45.6	45.3	44.0	44.3	-	7.5	6.8	6.1	6.0	-
Metal forgings and stampings	346	44.1	43.4	42.0	42.3	-	5.7	5.2	4.1	3.8	-
Iron and steel forgings	3462	44.3	44.4	41.8	42.7	-	6.9	6.0	3.9	4.1	-
Automotive stampings	3465	45.7	44.9	42.9	42.5	-	6.2	6.0	4.5	3.7	-
Metal stampings, nec	3469	42.0	40.9	40.8	41.9	-	4.5	3.8	3.5	3.8	-
Metal services, nec	347	42.1	41.1	41.2	41.5	-	4.1	3.7	3.8	4.0	-
Plating and polishing	3471	42.0	41.1	40.7	40.7	-	4.1	3.6	3.4	3.4	-
Metal coating and allied services	3479	42.2	41.1	42.3	42.9	-	4.1	4.0	4.7	5.1	-
Ordnance and accessories, nec	348	43.2	41.8	41.6	42.7	-	3.0	2.7	3.2	3.8	-
Ammunition, except for small arms, nec	3483	41.5	40.6	40.4	41.3	-	2.9	2.7	2.9	3.3	-
Misc. fabricated metal products	349	42.6	41.8	41.8	42.1	-	4.4	3.7	3.6	3.9	-
Valves and pipe fittings	3494	43.3	42.7	42.5	43.3	-	4.9	3.9	3.8	3.9	-
Misc. fabricated wire products	3496	41.1	40.3	40.8	40.7	-	3.9	3.4	3.3	3.5	-
Machinery, except electrical											
Engines and turbines	35	43.5	42.6	42.4	43.0	42.1	5.0	4.5	4.3	4.6	-
Engines and turbines	351	45.0	43.3	43.4	44.3	-	5.1	4.0	4.4	5.8	-
Turbines and turbine generator sets	3511	47.6	42.5	46.7	46.7	-	9.5	4.2	7.6	8.4	-
Internal combustion engines, nec	3519	44.2	43.5	42.2	43.4	-	3.7	4.0	3.2	4.9	-
Farm and garden machinery	352	42.1	41.9	41.2	42.8	-	4.2	4.1	3.3	4.3	-
Farm machinery and equipment	3523	42.5	42.2	41.2	42.8	-	4.7	4.4	3.6	4.7	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Durable goods—Continued											
Stone, clay, and glass products—Continued											
Glass containers	3221	\$12.14	\$12.21	\$12.55	\$12.64	-	\$503.81	\$507.94	\$527.10	\$528.35	-
Pressed and blown glass, nec	3229	11.32	11.34	11.46	11.65	-	475.44	475.15	477.88	478.82	-
Products of purchased glass	323	9.25	9.36	9.69	9.48	-	390.35	396.86	415.70	395.32	-
Cement, hydraulic	324	13.55	13.72	14.03	13.68	-	565.04	577.61	603.29	567.72	-
Structural clay products	325	9.00	9.14	9.45	9.46	-	381.60	382.05	394.07	388.81	-
Pottery and related products	326	9.42	9.48	9.53	9.54	-	388.10	382.99	392.64	391.14	-
Concrete, gypsum, and plaster products	327	10.26	10.22	10.72	10.64	-	430.92	412.89	463.10	436.24	-
Concrete block and brick	3271	9.24	9.30	9.69	9.46	-	405.64	399.90	419.58	401.10	-
Concrete products, nec	3272	9.17	9.27	9.64	9.59	-	394.31	389.34	415.48	407.58	-
Ready-mixed concrete	3273	11.18	11.09	11.56	11.63	-	442.73	415.88	490.14	447.76	-
Misc. nonmetallic mineral products	329	10.65	10.58	10.86	10.88	-	459.02	451.77	460.46	462.40	-
Abrasive products	3291	10.28	10.12	10.37	10.24	-	458.49	452.36	439.69	443.39	-
Asbestos products	3292	11.20	11.08	10.90	10.97	-	498.40	491.95	466.52	466.23	-
Primary metal industries	33	12.26	12.27	12.51	12.53	\$12.48	540.67	536.20	535.43	540.04	\$532.90
Blast furnaces and basic steel products	331	14.07	14.04	14.48	14.41	14.34	621.89	617.76	622.64	625.39	620.92
Blast furnaces and steel mills	3312	14.78	14.78	15.25	15.17	-	659.19	654.75	661.85	659.90	-
Steel pipe and tubes	3317	11.07	11.01	11.40	11.55	-	469.37	469.03	492.48	509.36	-
Iron and steel foundries	332	11.18	11.23	11.20	11.27	-	496.39	494.12	469.28	477.85	-
Gray iron foundries	3321	11.79	11.84	11.69	11.72	-	523.48	522.14	488.64	491.07	-
Malleable iron foundries	3322	12.10	12.15	12.30	12.33	-	520.30	520.02	510.45	511.70	-
Steel foundries, nec	3325	10.26	10.29	10.61	10.90	-	453.49	448.64	439.25	466.52	-
Primary nonferrous metals	333	13.50	13.49	14.12	13.99	-	589.95	586.82	618.46	623.95	-
Primary aluminum	3334	13.71	13.82	14.42	14.43	-	595.01	599.79	627.27	634.92	-
Nonferrous rolling and drawing	335	11.82	11.82	11.91	11.97	-	522.44	518.90	521.66	524.29	-
Copper rolling and drawing	3351	11.13	11.07	11.05	11.24	-	497.51	483.76	483.99	492.31	-
Aluminum sheet, plate, and foil	3353	14.10	14.06	14.70	14.94	-	633.09	624.26	668.85	672.30	-
Nonferrous wire drawing and insulating	3357	11.95	12.01	11.76	11.72	-	521.02	523.64	499.80	491.07	-
Nonferrous foundries	336	9.79	9.76	9.97	10.09	-	423.91	412.85	408.77	417.73	-
Aluminum foundries	3361	10.08	10.07	10.20	10.32	-	437.47	429.99	419.22	431.38	-
Fabricated metal products	34	10.44	10.45	10.61	10.69	10.55	445.79	438.90	443.50	450.05	437.83
Metal cans and shipping containers	341	13.68	13.69	13.71	13.89	-	623.81	607.84	595.01	608.38	-
Metal cans	3411	14.59	14.56	14.60	14.80	-	672.60	653.74	636.56	657.12	-
Cutlery, hand tools, and hardware	342	10.33	10.33	10.56	10.63	-	431.79	426.63	438.24	445.40	-
Hand and edge tools, and hand saws and blades	3423,5	9.50	9.51	9.78	9.83	-	390.45	388.96	406.85	408.93	-
Hardware, nec	3429	10.69	10.68	10.90	11.00	-	447.91	440.02	446.90	457.60	-
Plumbing and heating, except electric	343	9.40	9.50	9.61	9.61	-	393.86	393.30	402.66	404.58	-
Plumbing fittings and brass goods	3432	9.07	9.14	9.22	9.16	-	384.57	383.88	373.41	379.22	-
Heating equipment, except electric	3433	9.33	9.35	9.46	9.53	-	385.33	379.61	403.94	404.07	-
Fabricated structural metal products	344	9.80	9.80	10.02	10.12	-	410.62	401.80	417.83	422.00	-
Fabricated structural metal	3441	10.50	10.43	10.43	10.37	-	448.35	435.97	444.32	440.73	-
Metal doors, sash, and trim	3442	8.21	8.31	8.46	8.57	-	329.22	323.26	341.78	340.23	-
Fabricated plate work (boiler shops)	3443	10.37	10.42	10.85	10.90	-	444.87	444.93	468.72	473.06	-
Sheet metal work	3444	10.04	10.03	10.26	10.47	-	410.64	402.20	420.66	433.46	-
Architectural metal work	3446	8.88	9.00	9.45	9.63	-	375.62	366.30	376.11	388.09	-
Screw machine products, bolts, etc	345	10.22	10.24	10.39	10.48	-	447.64	448.51	439.50	446.45	-
Screw machine products	3451	9.58	9.55	9.81	9.82	-	405.23	404.92	399.27	403.60	-
Bolts, nuts, rivets, and washers	3452	10.89	10.98	10.99	11.16	-	496.58	497.39	483.56	494.39	-
Metal forgings and stampings	346	12.50	12.54	12.62	12.61	-	551.25	544.24	530.04	533.40	-
Iron and steel forgings	3462	13.48	13.44	13.10	13.17	-	597.16	596.74	547.58	562.36	-
Automotive stampings	3465	14.05	14.11	14.34	14.26	-	642.09	633.54	615.19	606.05	-
Metal stampings, nec	3469	9.60	9.64	9.95	10.04	-	403.20	394.28	405.96	420.68	-
Metal services, nec	347	8.40	8.41	8.69	8.74	-	353.64	345.65	358.03	362.71	-
Plating and polishing	3471	8.34	8.38	8.59	8.65	-	350.28	344.42	349.61	352.06	-
Metal coating and allied services	3479	8.52	8.48	8.88	8.89	-	359.54	348.53	375.62	381.38	-
Ordnance and accessories, nec	348	11.44	11.43	11.77	11.80	-	494.21	477.77	489.63	503.86	-
Ammunition, except for small arms, nec	3483	11.11	11.17	11.70	11.48	-	461.07	453.50	472.68	474.12	-
Misc. fabricated metal products	349	9.70	9.64	9.90	10.04	-	413.22	402.95	413.82	422.68	-
Valves and pipe fittings	3494	10.57	10.46	10.73	10.86	-	457.68	446.64	456.03	470.24	-
Misc. fabricated wire products	3496	8.69	8.60	8.54	8.73	-	357.16	346.58	348.43	355.31	-
Machinery, except electrical	35	11.24	11.21	11.48	11.57	11.50	488.94	477.55	486.75	497.51	484.15
Engines and turbines	351	13.63	13.75	14.30	14.54	-	613.35	595.38	620.62	644.12	-
Turbines and turbine generator sets	3511	14.18	13.73	14.81	14.96	-	674.97	583.53	691.63	698.63	-
Internal combustion engines, nec	3519	13.44	13.75	14.09	14.37	-	594.05	598.13	594.60	623.66	-
Farm and garden machinery	352	10.50	10.31	10.53	10.54	-	442.05	431.99	433.84	451.11	-
Farm machinery and equipment	3523	11.35	11.10	11.51	11.60	-	482.38	468.42	474.21	496.48	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^P	Jan. 1990 ^P	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^P	Jan. 1990 ^P
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	43.8	42.6	43.1	44.1	-	4.9	4.2	4.4	4.8	-
Construction machinery	3531	44.1	42.2	43.1	44.1	-	4.7	4.2	4.1	4.2	-
Mining machinery	3532	43.7	42.9	42.6	43.0	-	5.1	4.5	4.6	5.0	-
Oil field machinery	3533	43.6	43.0	44.3	47.3	-	6.1	4.8	5.4	6.7	-
Conveyors and conveying equipment	3535	44.9	43.2	42.6	43.3	-	6.3	4.8	5.1	5.5	-
Industrial trucks and tractors	3537	42.5	41.4	41.5	42.0	-	3.8	2.8	3.4	4.0	-
Metalworking machinery	354	44.6	44.2	43.2	43.6	-	6.1	6.0	5.2	5.5	-
Machine tools, metal cutting types	3541	44.8	44.9	43.5	44.1	-	5.8	5.7	4.9	5.3	-
Machine tools, metal forming types	3542	46.5	45.0	44.9	45.5	-	7.9	6.8	6.6	6.6	-
Special dies, tools, jigs, and fixtures	3544	45.0	44.7	43.6	44.0	-	6.8	6.7	5.9	6.1	-
Machine tool accessories	3545	43.8	42.9	41.8	42.3	-	5.1	4.8	4.4	4.5	-
Power driven hand tools	3546	43.4	43.4	42.8	43.2	-	4.0	4.0	3.8	3.9	-
Special industry machinery	355	43.8	42.4	42.4	43.3	-	5.6	4.7	4.4	5.0	-
Food products machinery	3551	44.3	42.0	42.7	43.6	-	5.1	4.0	4.4	5.0	-
Textile machinery	3552	43.6	42.6	42.5	43.5	-	4.6	4.0	3.9	4.3	-
Printing trades machinery	3555	40.4	39.3	40.3	41.9	-	5.4	4.5	4.0	4.6	-
General industrial machinery	356	44.1	43.2	42.6	43.1	-	5.6	4.7	4.4	4.7	-
Pumps and pumping equipment	3561	45.0	43.6	42.4	43.1	-	5.3	4.0	4.3	5.0	-
Ball and roller bearings	3562	44.6	44.8	42.8	43.5	-	7.0	6.4	4.8	5.3	-
Air and gas compressors	3563	44.5	43.5	45.0	43.5	-	6.6	4.6	5.1	5.4	-
Blowers and fans	3564	42.6	41.1	41.3	42.1	-	4.2	3.2	2.7	3.4	-
Speed changers, drives, and gears	3566	44.7	43.8	42.7	43.9	-	6.1	5.1	4.6	5.2	-
Power transmission equipment, nec	3568	43.1	42.9	43.5	44.2	-	5.3	4.9	5.3	4.7	-
Office and computing machines	357	42.2	41.2	42.3	42.5	-	3.8	2.8	3.8	3.9	-
Electronic computing equipment	3573	42.6	41.4	42.5	42.7	-	3.9	2.7	4.0	4.1	-
Refrigeration and service machinery	358	42.5	41.9	41.3	41.6	-	3.6	3.6	2.8	3.2	-
Refrigeration and heating equipment	3585	42.9	42.5	41.5	41.8	-	3.7	4.1	3.0	3.2	-
Misc. machinery, except electrical	359	42.7	42.2	41.7	42.0	-	5.2	4.8	4.4	4.5	-
Carburetors, pistons, rings, and valves	3592	43.8	43.8	41.3	41.7	-	5.8	5.4	3.6	4.0	-
Machinery, except electrical, nec	3599	42.5	42.0	41.7	42.1	-	5.1	4.7	4.5	4.6	-
Electrical and electronic equipment	36	41.8	41.1	41.2	41.6	40.9	3.8	3.3	3.2	3.4	-
Electric distributing equipment	361	42.9	42.4	42.1	43.2	-	4.0	3.3	3.1	3.7	-
Transformers	3612	42.6	42.6	41.8	42.9	-	4.0	3.5	3.1	3.8	-
Switchgear and switchboard apparatus	3613	43.2	42.3	42.3	43.5	-	4.0	3.2	3.1	3.7	-
Electrical industrial apparatus	362	43.3	42.5	41.8	42.4	-	4.4	3.8	3.5	3.9	-
Motors and generators	3621	42.8	42.5	41.4	42.4	-	4.7	4.3	3.7	3.9	-
Industrial controls	3622	42.7	41.5	41.1	41.3	-	3.4	2.1	2.4	3.3	-
Household appliances	363	40.8	40.9	38.9	37.7	-	3.6	3.2	2.2	2.3	-
Household refrigerators and freezers	3632	42.0	40.3	36.5	32.4	-	5.6	3.0	1.4	1.3	-
Household laundry equipment	3633	41.8	44.4	37.9	40.4	-	2.7	3.9	1.0	2.5	-
Electric housewares and fans	3634	40.4	41.2	41.5	40.1	-	3.3	3.2	3.1	2.6	-
Electric lighting and wiring equipment	364	40.4	40.4	40.7	41.0	-	3.4	3.2	3.2	3.4	-
Electric lamps	3641	38.7	41.6	41.8	40.5	-	2.5	3.2	3.4	3.1	-
Current-carrying wiring devices	3643	39.7	39.6	40.6	40.8	-	3.3	2.7	3.2	3.3	-
Noncurrent-carrying wiring devices	3644	42.4	40.4	41.8	43.4	-	3.9	3.5	3.3	4.0	-
Residential lighting fixtures	3645	39.4	38.8	39.1	39.2	-	2.3	2.0	2.8	2.7	-
Radio and TV receiving equipment	365	43.9	41.1	40.3	41.0	-	4.6	3.6	3.3	3.3	-
Radio and TV receiving sets	3651	43.3	40.1	39.7	40.9	-	4.4	2.9	2.6	2.7	-
Communication equipment	366	41.4	40.8	42.0	42.9	-	3.1	2.5	2.8	3.2	-
Telephone and telegraph apparatus	3661	41.5	41.6	44.3	45.4	-	3.4	3.1	3.1	3.9	-
Radio and TV communication equipment	3662	41.3	40.4	41.1	42.0	-	3.0	2.2	2.7	3.0	-
Electronic components and accessories	367	41.2	40.1	41.1	41.5	-	3.7	3.2	3.7	3.9	-
Electronic tubes	3671-3	43.4	41.8	43.2	43.9	-	4.8	4.5	3.7	3.6	-
Semiconductors and related devices	3674	40.9	40.0	41.1	41.7	-	3.9	3.5	4.4	4.7	-
Electronic components, nec	3679	41.8	40.1	41.4	41.8	-	3.8	3.1	3.8	3.9	-
Misc. electrical equipment and supplies	369	43.9	43.0	41.8	41.6	-	4.9	4.4	3.4	3.2	-
Storage batteries	3691	44.4	43.3	42.5	43.0	-	5.0	3.9	3.9	4.3	-
Engine electrical equipment	3694	44.7	43.4	42.0	41.4	-	5.8	5.3	3.7	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 workers¹ on private nonagricultural payrolls by detailed industry—Continued

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Durable goods—Continued											
Machinery, except electrical—Continued											
Construction and related machinery	353	\$11.37	\$11.17	\$11.53	\$11.62	-	\$498.01	\$475.84	\$496.94	\$512.44	-
Construction machinery	3531	12.83	12.57	12.91	12.99	-	565.80	530.45	556.42	572.86	-
Mining machinery	3532	11.42	11.35	11.73	11.68	-	499.05	486.92	499.70	502.24	-
Oil field machinery	3533	11.05	10.71	11.16	11.33	-	481.78	460.53	494.39	535.91	-
Conveyors and conveying equipment	3535	10.28	10.17	10.46	10.62	-	461.57	439.34	445.60	459.85	-
Industrial trucks and tractors	3537	9.90	9.82	10.17	10.24	-	420.75	406.55	422.06	430.08	-
Metalworking machinery	354	11.64	11.72	11.94	11.98	-	519.14	518.02	515.81	524.33	-
Machine tools, metal cutting types	3541	11.57	11.48	11.83	11.91	-	518.34	515.45	514.61	525.23	-
Machine tools, metal forming types	3542	12.12	12.19	12.34	12.34	-	563.58	548.55	554.07	561.47	-
Special dies, tools, jigs, and fixtures	3544	12.49	12.60	12.73	12.77	-	562.05	563.22	555.03	561.88	-
Machine tool accessories	3545	10.37	10.43	10.80	10.75	-	454.21	447.45	451.44	454.73	-
Power driven hand tools	3546	9.19	9.19	9.38	9.60	-	398.85	398.85	401.46	414.72	-
Special industry machinery	355	11.46	11.39	11.71	11.80	-	501.95	482.94	496.50	510.94	-
Food products machinery	3551	11.28	11.29	11.71	11.84	-	499.70	474.18	500.02	516.22	-
Textile machinery	3552	9.47	9.48	9.82	9.89	-	412.89	403.85	417.35	430.22	-
Printing trades machinery	3555	12.72	12.51	12.64	12.75	-	513.89	491.64	509.39	534.23	-
General industrial machinery	356	10.84	10.78	11.15	11.27	-	478.04	465.70	474.99	485.74	-
Pumps and pumping equipment	3561	11.56	11.34	11.72	11.89	-	520.20	494.42	496.93	512.46	-
Ball and roller bearings	3562	11.39	11.27	11.58	11.66	-	507.99	504.90	495.62	507.21	-
Air and gas compressors	3563	10.65	10.50	11.28	11.15	-	473.93	456.75	507.60	485.03	-
Blowers and fans	3564	9.62	9.62	9.82	9.95	-	409.81	395.38	405.57	418.90	-
Speed changers, drives, and gears	3566	10.76	10.69	11.35	11.47	-	480.97	468.22	484.65	503.53	-
Power transmission equipment, nec	3568	10.61	10.64	10.59	10.70	-	457.29	456.46	460.67	472.94	-
Office and computing machines	357	11.03	10.96	11.23	11.28	-	465.47	451.55	475.03	479.40	-
Electronic computing equipment	3573	10.98	10.92	11.17	11.23	-	467.75	452.09	474.73	479.52	-
Refrigeration and service machinery	358	10.74	10.73	10.75	10.88	-	456.45	449.59	443.98	452.61	-
Refrigeration and heating equipment	3585	10.91	10.92	10.87	10.95	-	468.04	464.10	451.11	457.71	-
Misc. machinery, except electrical	359	10.86	10.88	11.19	11.25	-	463.72	459.14	466.62	472.50	-
Carburetors, pistons, rings, and valves	3592	13.07	13.26	13.33	13.34	-	572.47	580.79	550.53	556.28	-
Machinery, except electrical, nec	3599	10.56	10.54	10.93	11.00	-	448.80	442.68	455.78	463.10	-
Electrical and electronic equipment	36	10.29	10.27	10.47	10.52	\$10.46	430.12	422.10	431.36	437.63	\$427.81
Electric distributing equipment	361	9.47	9.36	9.77	9.95	-	406.26	396.86	411.32	429.84	-
Transformers	3612	9.30	9.21	9.52	9.79	-	396.18	392.35	397.94	419.99	-
Switchgear and switchboard apparatus	3613	9.64	9.52	10.02	10.10	-	416.45	402.70	423.85	439.35	-
Electrical industrial apparatus	362	10.11	10.07	10.25	10.25	-	437.76	427.98	428.45	434.60	-
Motors and generators	3621	10.17	10.12	10.19	10.14	-	435.28	430.10	421.87	429.94	-
Industrial controls	3622	9.81	9.75	10.08	10.16	-	418.89	404.63	414.29	419.61	-
Household appliances	363	10.12	10.18	9.99	10.09	-	412.90	416.36	388.61	380.39	-
Household refrigerators and freezers	3632	11.97	11.81	11.74	11.59	-	502.74	475.94	428.51	375.52	-
Household laundry equipment	3633	11.88	12.10	11.94	12.06	-	496.58	537.24	452.53	487.22	-
Electric housewares and fans	3634	7.45	7.43	7.42	7.68	-	300.98	306.12	307.93	307.97	-
Electric lighting and wiring equipment	364	9.65	9.73	9.90	9.89	-	389.86	393.09	402.93	405.49	-
Electric lamps	3641	10.83	11.01	11.32	11.37	-	419.12	458.02	473.18	460.49	-
Current-carrying wiring devices	3643	9.49	9.54	9.86	9.82	-	376.75	377.78	400.32	400.66	-
Noncurrent-carrying wiring devices	3644	9.42	9.25	9.57	9.50	-	399.41	373.70	400.03	412.30	-
Residential lighting fixtures	3645	7.01	7.14	7.26	7.11	-	276.19	277.03	283.87	278.71	-
Radio and TV receiving equipment	365	9.82	9.57	9.30	9.35	-	431.10	393.33	374.79	383.35	-
Radio and TV receiving sets	3651	10.31	10.06	9.80	9.65	-	446.42	403.41	389.06	394.69	-
Communication equipment	366	12.28	12.16	12.65	12.64	-	508.39	496.13	531.30	542.26	-
Telephone and telegraph apparatus	3661	11.72	11.70	11.78	11.66	-	486.38	486.72	521.85	529.36	-
Radio and TV communication equipment	3662	12.51	12.34	13.00	13.05	-	516.66	498.54	534.30	548.10	-
Electronic components and accessories	367	9.39	9.43	9.78	9.86	-	386.87	378.14	401.96	409.19	-
Electronic tubes	3671-3	11.73	11.77	12.23	12.51	-	509.08	491.99	528.34	549.19	-
Semiconductors and related devices	3674	11.36	11.33	11.77	11.88	-	464.62	453.20	483.75	495.40	-
Electronic components, nec	3679	8.34	8.42	8.72	8.77	-	348.61	337.64	361.01	366.59	-
Misc. electrical equipment and supplies	369	11.11	11.11	11.04	11.02	-	487.73	477.73	461.47	458.43	-
Storage batteries	3691	11.90	11.92	12.01	12.12	-	528.36	516.14	510.43	521.16	-
Engine electrical equipment	3694	11.70	11.80	11.53	11.42	-	522.99	512.12	484.26	472.79	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Durable goods—Continued											
Transportation equipment	37	43.5	42.9	41.4	42.6	41.6	5.3	5.0	4.3	4.3	-
Motor vehicles and equipment	371	44.5	43.6	42.9	43.0	41.2	5.9	5.5	4.4	4.2	-
Motor vehicles and car bodies	3711	44.5	42.8	43.5	43.6	-	5.7	5.1	4.6	4.1	-
Truck and bus bodies	3713	42.6	41.5	41.0	42.8	-	4.4	3.3	3.0	4.4	-
Motor vehicle parts and accessories	3714	45.3	45.0	42.9	43.0	-	6.6	6.5	4.6	4.4	-
Truck trailers	3715	40.3	40.0	40.1	40.0	-	2.8	2.3	2.4	2.8	-
Aircraft and parts	372	43.2	42.8	38.5	42.6	-	5.5	5.1	4.9	4.9	-
Aircraft	3721	42.9	42.6	34.5	42.0	-	5.2	5.0	3.9	4.4	-
Aircraft engines and engine parts	3724	42.6	42.6	43.9	42.5	-	5.3	4.9	6.3	5.1	-
Aircraft equipment, nec	3728	44.3	43.4	41.1	43.8	-	6.2	5.5	5.6	5.7	-
Ship and boat building and repairing	373	40.3	40.3	40.4	41.0	-	2.7	2.9	3.0	3.1	-
Ship building and repairing	3731	40.4	40.8	41.0	41.2	-	2.9	3.2	3.2	3.3	-
Boat building and repairing	3732	40.1	39.5	39.3	40.6	-	2.5	2.6	2.7	2.8	-
Railroad equipment	374	43.2	42.8	43.2	42.3	-	4.9	4.3	4.1	4.1	-
Guided missiles, space vehicles, and parts	376	44.5	43.3	43.5	43.0	-	5.3	4.7	4.8	4.7	-
Guided missiles and space vehicles	3761	44.8	42.8	43.5	42.8	-	5.4	4.3	5.0	5.0	-
Miscellaneous transportation equipment	379	40.6	40.2	40.0	40.7	-	3.0	3.0	2.5	2.7	-
Travel trailers and campers	3792	38.8	38.8	38.6	37.9	-	2.1	2.4	1.6	1.5	-
Instruments and related products	38	42.0	41.6	41.4	41.9	41.2	3.5	3.0	3.0	3.4	-
Engineering and scientific instruments	381	43.7	42.5	42.9	43.7	-	4.1	3.1	2.8	3.3	-
Measuring and controlling devices	382	42.0	41.8	41.0	41.3	-	3.3	2.8	2.8	3.0	-
Environmental controls	3822	41.1	40.9	40.6	41.5	-	2.8	2.6	2.2	2.6	-
Process control instruments	3823	44.2	43.7	43.1	43.1	-	4.6	3.9	4.4	4.5	-
Instruments to measure electricity	3825	41.3	41.6	40.4	40.5	-	2.7	2.2	2.2	2.2	-
Optical instruments and lenses	383	44.5	43.7	42.8	43.6	-	3.7	3.3	2.8	3.2	-
Medical instruments and supplies	384	41.1	40.5	41.5	42.2	-	3.2	2.8	3.3	4.1	-
Surgical and medical instruments	3841	40.4	40.4	41.4	41.8	-	2.9	2.5	3.4	3.7	-
Surgical appliances and supplies	3842	41.6	40.3	41.3	42.4	-	3.5	2.9	3.1	4.4	-
Ophthalmic goods	385	40.5	40.8	39.1	39.4	-	3.2	3.3	3.0	2.7	-
Photographic equipment and supplies	386	42.7	43.6	42.5	42.0	-	4.6	4.3	3.0	3.4	-
Watches, clocks, and watchcases	387	41.5	38.8	37.5	39.7	-	2.4	.8	1.9	2.6	-
Miscellaneous manufacturing	39	39.7	39.3	40.2	40.0	39.3	2.7	2.2	3.0	2.8	-
Jewelry, silverware, and plated ware	391	39.4	36.7	40.0	39.3	-	2.9	1.4	3.6	2.7	-
Jewelry, precious metal	3911	39.2	36.2	40.2	39.5	-	3.0	1.3	3.9	3.0	-
Musical instruments	393	40.4	39.3	39.4	39.3	-	3.3	1.9	2.0	2.1	-
Toys and sporting goods	394	39.0	39.8	40.2	40.0	-	2.0	2.1	2.6	2.9	-
Dolls, games, toys, and children's vehicles	3942,4	36.9	38.5	39.8	37.1	-	.8	1.4	2.4	2.1	-
Sporting and athletic goods, nec	3949	40.5	40.6	40.5	41.9	-	2.8	2.5	2.8	3.4	-
Pens, pencils, office, and art supplies	395	40.0	40.2	40.3	40.8	-	3.1	2.9	2.6	2.9	-
Costume jewelry and notions	396	38.9	38.2	40.6	40.0	-	2.5	1.8	3.3	2.7	-
Costume jewelry	3961	38.7	36.7	41.8	40.4	-	2.3	1.5	4.5	3.0	-
Miscellaneous manufactures	399	40.5	40.0	40.2	40.1	-	3.0	2.7	3.1	2.9	-
Signs and advertising displays	3993	40.2	39.4	40.9	40.8	-	3.3	2.5	3.8	3.8	-
Nondurable goods		40.5	39.9	40.4	40.5	39.8	3.8	3.5	3.8	3.8	3.4
Food and kindred products	20	40.8	39.9	41.2	41.3	40.2	4.3	3.9	4.7	4.5	-
Meat products	201	40.6	39.6	41.0	40.7	-	4.4	3.8	4.8	4.3	-
Meat packing plants	2011	41.3	40.3	42.3	42.0	-	5.2	4.6	5.7	4.9	-
Sausages and other prepared meats	2013	41.6	39.1	41.8	41.5	-	4.9	3.3	5.2	5.0	-
Poultry dressing plants	2016	39.4	39.1	40.0	39.5	-	3.2	3.1	4.2	3.4	-
Dairy products	202	41.2	41.0	41.3	41.4	-	4.0	3.9	4.4	4.2	-
Cheese, natural and processed	2022	39.2	39.7	39.8	39.9	-	3.4	3.4	3.7	3.6	-
Fluid milk	2026	41.9	41.9	42.2	42.1	-	4.5	4.3	5.2	5.0	-
Preserved fruits and vegetables	203	39.8	39.6	40.4	40.8	-	3.8	3.6	4.3	4.4	-
Canned specialties	2032	44.5	45.4	43.3	45.5	-	7.1	7.7	6.6	8.4	-
Canned fruits and vegetables	2033	39.4	38.7	40.6	41.4	-	3.6	3.2	4.7	4.1	-
Frozen fruits and vegetables	2037	38.2	37.9	39.5	38.8	-	2.8	2.5	3.8	4.0	-
Grain mill products	204	46.4	43.9	45.5	46.3	-	7.3	6.5	6.5	6.5	-
Flour and other grain mill products	2041	48.1	45.0	48.4	47.2	-	7.7	6.3	8.2	6.9	-
Prepared feeds, nec	2048	43.9	43.3	43.7	44.7	-	6.7	6.5	6.8	7.4	-
Bakery products	205	40.1	39.0	40.2	39.6	-	3.8	3.4	4.6	4.1	-
Bread, cake, and related products	2051	38.9	38.1	39.7	39.0	-	3.8	3.5	4.8	4.2	-
Cookies and crackers	2052	42.9	41.0	41.6	41.2	-	3.8	3.3	4.2	3.7	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Durable goods—Continued											
Transportation equipment	37	\$13.59	\$13.58	\$13.85	\$13.92	\$13.58	\$591.17	\$582.58	\$573.39	\$592.99	\$564.93
Motor vehicles and equipment	371	14.23	14.20	14.46	14.50	13.73	633.24	619.12	620.33	623.50	565.68
Motor vehicles and car bodies	3711	16.25	16.23	16.71	16.76	-	723.13	694.64	726.89	730.74	-
Truck and bus bodies	3713	12.07	11.54	12.06	12.59	-	514.18	478.91	494.46	538.85	-
Motor vehicle parts and accessories	3714	13.29	13.37	13.42	13.37	-	602.04	601.65	575.72	574.91	-
Truck trailers	3715	9.40	9.30	9.57	9.76	-	378.82	372.00	383.76	390.40	-
Aircraft and parts	372	13.97	14.00	14.39	14.52	-	603.50	599.20	554.02	618.55	-
Aircraft	3721	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$13.99	\$14.08	\$14.65	\$14.57	-	\$595.97	\$599.81	\$643.14	\$619.23	-
Aircraft equipment, nec	3728	12.94	12.81	13.09	13.30	-	573.24	555.95	538.00	582.54	-
Ship and boat building and repairing	373	10.32	10.41	10.72	10.63	-	415.90	419.52	433.09	435.83	-
Ship building and repairing	3731	11.61	11.62	11.60	11.50	-	469.04	474.10	475.60	473.80	-
Boat building and repairing	3732	8.47	8.65	9.11	9.07	-	339.65	341.68	358.02	368.24	-
Railroad equipment	374	12.55	12.65	12.87	12.81	-	542.16	541.42	555.98	541.86	-
Guided missiles, space vehicles, and parts	376	13.45	13.49	14.01	14.06	-	598.53	584.12	609.44	604.58	-
Guided missiles and space vehicles	3761	(^b)	(^b)	(^b)	(^b)	-	-	-	-	-	-
Miscellaneous transportation equipment	379	\$10.44	\$10.31	\$10.44	\$10.68	-	\$423.86	\$414.46	\$417.60	\$434.68	-
Travel trailers and campers	3792	9.06	9.03	9.30	9.36	-	351.53	350.36	358.98	354.74	-
Instruments and related products	38	10.13	10.12	10.36	10.49	10.47	425.46	420.99	428.90	439.53	431.36
Engineering and scientific instruments	381	11.37	11.32	11.80	11.88	-	496.87	481.10	506.22	519.16	-
Measuring and controlling devices	382	9.74	9.77	10.13	10.23	-	409.08	408.39	415.33	422.50	-
Environmental controls	3822	9.25	9.29	9.20	9.33	-	380.18	379.96	373.52	387.20	-
Process control instruments	3823	9.53	9.40	9.99	10.09	-	421.23	410.78	430.57	434.88	-
Instruments to measure electricity	3825	9.70	9.79	10.45	10.56	-	400.61	407.26	422.18	427.68	-
Optical instruments and lenses	383	11.12	11.09	11.36	11.64	-	494.84	484.63	486.21	507.50	-
Medical instruments and supplies	384	9.15	9.11	9.35	9.53	-	376.07	368.96	388.03	402.17	-
Surgical and medical instruments	3841	9.40	9.25	9.44	9.64	-	379.76	373.70	390.82	402.95	-
Surgical appliances and supplies	3842	8.89	8.93	9.24	9.42	-	369.82	359.88	381.61	399.41	-
Ophthalmic goods	385	7.62	7.62	7.97	8.02	-	308.61	310.90	311.63	315.99	-
Photographic equipment and supplies	386	13.97	13.83	13.63	13.83	-	596.52	602.99	579.28	580.86	-
Watches, clocks, and watchcases	387	7.34	7.48	7.57	7.71	-	304.61	290.22	283.88	306.09	-
Miscellaneous manufacturing	39	8.20	8.22	8.49	8.60	8.61	325.54	323.05	341.30	344.00	338.37
Jewelry, silverware, and plated ware	391	8.80	8.84	9.13	9.20	-	346.72	324.43	365.20	361.56	-
Jewelry, precious metal	3911	8.90	8.92	9.22	9.27	-	348.88	322.90	370.64	366.17	-
Musical instruments	393	8.17	8.11	8.48	8.60	-	330.07	318.72	334.11	337.98	-
Toys and sporting goods	394	7.40	7.50	7.69	7.80	-	288.60	298.50	309.14	312.00	-
Dolls, games, toys, and children's vehicles	3942,4	7.25	7.49	7.52	7.62	-	267.53	288.37	299.30	282.70	-
Sporting and athletic goods, nec	3949	7.49	7.51	7.81	7.90	-	303.35	304.91	316.31	331.01	-
Pens, pencils, office, and art supplies	395	7.93	8.13	8.53	8.53	-	317.20	326.83	343.76	348.02	-
Costume jewelry and notions	396	6.87	6.84	7.04	7.15	-	267.24	261.29	285.82	286.00	-
Costume jewelry	3961	6.41	6.42	6.39	6.46	-	248.07	235.61	267.10	260.98	-
Miscellaneous manufactures	399	8.99	8.97	9.35	9.45	-	364.10	358.80	375.87	378.95	-
Signs and advertising displays	3993	9.32	9.28	9.82	9.90	-	374.66	365.63	401.64	403.92	-
Nondurable goods											
Food and kindred products	20	9.61	9.62	9.86	9.95	9.99	389.21	383.84	398.34	402.98	397.60
Meat products	201	7.68	7.65	7.82	7.82	-	311.81	302.94	320.62	318.27	-
Meat packing plants	2011	8.49	8.45	8.70	8.53	-	350.64	340.54	368.01	358.26	-
Sausages and other prepared meats	2013	9.14	9.04	9.25	9.32	-	380.22	353.46	386.65	386.78	-
Poultry dressing plants	2016	6.49	6.53	6.65	6.75	-	255.71	255.32	266.00	266.63	-
Dairy products	202	10.00	10.01	10.25	10.34	-	412.00	410.41	423.33	428.08	-
Cheese, natural and processed	2022	9.37	9.33	9.60	9.53	-	367.30	370.40	382.08	380.25	-
Fluid milk	2026	10.39	10.42	10.64	10.75	-	435.34	436.60	449.01	452.58	-
Preserved fruits and vegetables	203	8.69	8.76	8.63	8.99	-	345.86	346.90	348.65	366.79	-
Canned specialties	2032	10.55	10.73	10.49	10.99	-	469.48	487.14	454.22	500.05	-
Canned fruits and vegetables	2033	8.80	8.92	8.60	9.13	-	346.72	345.20	349.16	377.98	-
Frozen fruits and vegetables	2037	7.78	7.81	7.70	8.04	-	297.20	296.00	304.15	311.95	-
Grain mill products	204	11.40	11.20	11.18	11.26	-	528.96	491.68	508.69	521.34	-
Flour and other grain mill products	2041	11.26	11.00	10.79	10.74	-	541.61	495.00	522.24	506.93	-
Prepared feeds, nec	2048	8.69	8.71	8.97	9.03	-	381.49	377.14	391.99	403.64	-
Bakery products	205	10.35	10.36	10.62	10.69	-	415.04	404.04	426.92	423.32	-
Bread, cake, and related products	2051	10.29	10.35	10.48	10.51	-	400.28	394.34	416.06	409.89	-
Cookies and crackers	2052	10.48	10.41	10.94	11.11	-	449.59	426.81	455.10	457.73	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	41.1	41.4	42.3	42.4	-	4.0	4.3	4.7	4.6	-
Cane and beet sugar	2061-3	45.6	44.9	46.6	45.1	-	7.6	7.2	8.4	7.1	-
Confectionery products	2065	38.5	39.2	40.3	41.2	-	2.7	3.2	3.4	3.8	-
Fats and oils	207	44.2	44.4	44.5	44.5	-	5.4	5.1	6.5	6.4	-
Beverages	208	41.6	40.1	41.4	42.1	-	3.5	3.3	4.2	4.1	-
Malt beverages	2082	43.2	43.3	42.7	43.8	-	4.9	5.9	6.4	6.1	-
Bottled and canned soft drinks	2086	40.5	38.6	40.5	40.9	-	3.1	2.2	3.0	3.3	-
Misc. food and kindred products	209	38.3	36.7	39.6	39.7	-	3.5	3.2	4.3	4.5	-
Tobacco manufactures	21	39.9	38.0	39.0	37.8	37.4	2.7	1.8	2.3	2.8	-
Cigarettes	211	40.3	38.0	39.0	38.1	-	3.0	1.6	2.4	3.1	-
Textile mill products	22	41.0	40.7	40.9	40.7	39.9	4.2	4.0	4.1	4.1	-
Weaving mills, cotton	221	40.6	39.9	41.9	42.2	-	4.1	3.8	5.2	5.4	-
Weaving mills, synthetics	222	41.6	41.6	41.2	41.2	-	4.3	4.3	4.1	4.0	-
Weaving and finishing mills, wool	223	41.7	41.0	40.1	39.4	-	3.8	3.7	3.2	2.8	-
Narrow fabric mills	224	42.8	42.1	41.7	41.5	-	4.7	3.8	3.3	3.1	-
Knitting mills	225	39.5	39.5	39.5	38.6	-	3.5	3.3	3.6	3.4	-
Women's hosiery, except socks	2251	40.2	40.0	38.9	39.2	-	3.8	3.5	3.1	3.6	-
Hosiery, nec	2252	36.5	38.8	37.8	35.5	-	1.9	2.7	2.6	1.9	-
Knit outerwear mills	2253	38.4	37.7	39.3	38.4	-	3.1	2.9	4.5	3.9	-
Knit underwear mills	2254	39.4	39.7	40.3	39.0	-	2.1	2.0	2.2	2.8	-
Circular knit fabric mills	2257	42.4	41.7	41.2	40.0	-	5.4	4.8	4.1	3.8	-
Textile finishing, except wool	226	43.5	42.6	42.0	42.3	-	6.0	5.4	5.0	5.3	-
Finishing plants, cotton	2261	44.0	41.8	43.0	43.2	-	6.4	5.2	5.4	5.8	-
Finishing plants, synthetics	2262	43.6	43.3	41.6	41.8	-	6.0	5.7	4.8	5.2	-
Floor covering mills	227	42.3	40.6	42.2	43.9	-	4.4	3.9	4.4	4.9	-
Yarn and thread mills	228	40.7	40.9	40.5	39.7	-	4.0	4.1	4.0	3.5	-
Yarn mills, except wool	2281	41.1	41.4	40.9	40.0	-	4.2	4.4	4.2	3.7	-
Throwing and winding mills	2282	38.2	38.0	37.5	36.8	-	3.0	2.9	2.4	2.2	-
Miscellaneous textile goods	229	42.7	42.2	42.0	42.0	-	4.6	4.3	4.2	3.9	-
Apparel and other textile products	23	37.2	36.8	37.1	36.7	36.3	1.9	1.8	1.9	1.8	-
Men's and boys' suits and coats	231	37.5	37.1	36.0	35.8	-	1.6	1.2	.9	.9	-
Men's and boys' furnishings	232	36.8	36.5	37.1	36.7	-	1.5	1.4	1.6	1.5	-
Men's and boys' shirts and nightwear	2321	37.0	36.9	37.0	36.5	-	1.2	1.3	1.2	1.2	-
Men's and boys' separate trousers	2327	36.5	36.5	35.9	35.7	-	1.5	1.1	1.6	1.5	-
Men's and boys' work clothing	2328	35.7	35.7	36.1	36.2	-	1.5	1.4	1.6	1.6	-
Women's and misses' outerwear	233	35.6	35.4	35.4	35.3	-	1.5	1.5	1.6	1.6	-
Women's and misses' blouses and waists	2331	35.4	35.7	35.1	34.9	-	1.2	1.3	1.2	1.0	-
Women's and misses' dresses	2335	35.1	35.9	33.5	33.5	-	1.4	1.6	1.5	1.5	-
Women's and misses' suits and coats	2337	35.6	35.2	35.1	35.7	-	2.1	1.8	1.9	2.1	-
Women's and misses' outerwear, nec	2339	35.9	35.2	36.3	35.9	-	1.5	1.5	1.7	1.7	-
Women's and children's undergarments	234	37.4	37.0	37.7	36.3	-	1.6	1.8	2.0	1.4	-
Women's and children's underwear	2341	37.9	37.4	38.1	36.5	-	1.5	1.8	2.0	1.3	-
Brassieres and allied garments	2342	35.1	35.2	35.6	35.5	-	2.1	1.8	1.8	1.6	-
Children's outerwear	236	37.2	37.6	37.8	36.8	-	2.0	2.1	2.0	1.9	-
Children's dresses and blouses	2361	36.4	36.9	37.4	36.0	-	1.7	2.0	1.7	1.8	-
Misc. apparel and accessories	238	38.9	38.1	37.8	37.5	-	2.2	2.0	1.9	1.7	-
Misc. fabricated textile products	239	39.7	38.7	39.6	39.1	-	3.4	2.7	3.2	2.9	-
Curtains and draperies	2391	36.4	35.6	37.3	37.0	-	1.6	1.1	2.4	2.6	-
House furnishings, nec	2392	39.0	37.5	41.0	40.2	-	2.9	2.1	3.8	3.6	-
Automotive and apparel trimmings	2396	43.4	42.5	41.4	41.2	-	7.0	5.8	4.2	3.9	-
Paper and allied products	26	44.0	43.2	43.7	43.9	43.3	5.3	5.1	5.3	5.3	-
Paper and pulp mills	261,2,6	46.2	45.0	45.2	45.7	-	6.9	6.4	6.6	6.7	-
Paper mills, except building paper	262	46.4	45.0	45.5	45.9	-	7.1	6.5	6.8	6.8	-
Paperboard mills	263	45.5	44.5	45.5	45.5	-	7.3	6.8	6.7	7.2	-
Misc. converted paper products	264	42.2	41.6	42.5	42.7	-	4.1	3.9	4.3	4.3	-
Paper coating and glazing	2641	44.4	43.9	44.5	44.0	-	4.4	4.2	4.8	4.8	-
Envelopes	2642	41.3	41.7	42.5	42.9	-	3.7	3.6	4.1	4.0	-
Bags, except textile bags	2643	42.6	41.7	42.9	43.1	-	4.8	4.2	4.8	4.7	-
Paperboard containers and boxes	265	43.4	43.1	43.3	43.2	-	4.8	4.7	4.8	4.8	-
Folding paperboard boxes	2651	43.8	43.5	43.1	43.1	-	5.1	5.0	5.0	5.0	-
Corrugated and solid fiber boxes	2653	43.5	43.6	44.0	43.8	-	4.9	5.1	5.2	5.1	-
Sanitary food containers	2654	43.6	41.3	42.4	43.8	-	4.4	3.5	3.9	4.6	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Sugar and confectionery products	206	\$9.44	\$9.69	\$9.55	\$9.61	-	\$387.98	\$401.17	\$403.97	\$407.46	-
Cane and beet sugar	2061-3	10.80	10.85	10.61	10.75	-	492.48	487.17	494.43	484.83	-
Confectionery products	2065	8.22	8.57	8.40	8.49	-	316.47	335.94	338.52	349.79	-
Fats and oils	207	9.62	9.66	9.98	9.94	-	425.20	428.90	444.11	442.33	-
Beverages	208	12.36	12.56	13.37	13.36	-	514.18	503.66	553.52	562.46	-
Malt beverages	2082	16.93	17.44	18.58	18.22	-	731.38	755.15	793.37	798.04	-
Bottled and canned soft drinks	2086	9.96	9.97	10.55	10.72	-	403.38	384.84	427.28	438.45	-
Misc. food and kindred products	209	8.58	8.66	8.90	8.89	-	328.61	317.82	352.44	352.93	-
Tobacco manufactures	21	14.31	14.39	15.01	15.46	\$15.89	570.97	546.82	585.39	584.39	\$594.29
Cigarettes	211	18.02	17.74	18.84	19.49	-	726.21	674.12	734.76	742.57	-
Textile mill products	22	7.52	7.60	7.82	7.86	7.92	308.32	309.32	319.84	319.90	316.01
Weaving mills, cotton	221	7.74	7.84	8.12	8.16	-	314.24	312.82	340.23	344.35	-
Weaving mills, synthetics	222	8.07	8.18	8.44	8.42	-	335.71	340.29	347.73	346.90	-
Weaving and finishing mills, wool	223	8.20	8.29	8.62	8.50	-	341.94	339.89	345.66	334.90	-
Narrow fabric mills	224	6.94	7.03	7.24	7.28	-	297.03	295.96	301.91	302.12	-
Knitting mills	225	6.79	6.91	7.15	7.19	-	268.21	272.95	282.43	277.53	-
Women's hosiery, except socks	2251	6.71	6.89	6.79	6.87	-	269.74	275.60	264.13	269.30	-
Hosiery, nec	2252	6.44	6.63	6.85	6.77	-	235.06	257.24	258.93	240.34	-
Knit outerwear mills	2253	6.42	6.55	7.01	7.11	-	246.53	246.94	275.49	273.02	-
Knit underwear mills	2254	6.56	6.74	7.21	7.14	-	258.46	267.58	290.56	278.46	-
Circular knit fabric mills	2257	7.78	7.76	7.77	7.79	-	329.87	323.59	320.12	311.60	-
Textile finishing, except wool	226	8.01	8.05	8.25	8.33	-	348.44	342.93	346.50	352.36	-
Finishing plants, cotton	2261	7.98	8.07	8.19	8.24	-	351.12	337.33	352.17	355.97	-
Finishing plants, synthetics	2262	8.32	8.40	8.54	8.68	-	362.75	363.72	355.26	362.82	-
Floor covering mills	227	7.80	7.82	8.04	8.06	-	329.94	317.49	339.29	353.83	-
Yarn and thread mills	228	7.24	7.30	7.49	7.52	-	294.67	298.57	303.35	298.54	-
Yarn mills, except wool	2281	7.21	7.31	7.49	7.52	-	296.33	302.63	306.34	300.80	-
Throwing and winding mills	2282	7.42	7.34	7.55	7.58	-	283.44	278.92	283.13	278.94	-
Miscellaneous textile goods	229	8.69	8.62	8.73	8.79	-	371.06	363.76	366.66	369.18	-
Apparel and other textile products	23	6.29	6.32	6.42	6.45	6.45	233.99	232.58	238.18	236.72	234.14
Men's and boys' suits and coats	231	7.01	7.06	7.27	7.20	-	262.88	261.93	261.72	257.76	-
Men's and boys' furnishings	232	5.71	5.79	5.87	5.90	-	210.13	211.34	217.78	216.53	-
Men's and boys' shirts and nightwear	2321	5.61	5.70	5.81	5.90	-	207.57	210.33	214.97	215.35	-
Men's and boys' separate trousers	2327	5.60	5.61	5.63	5.64	-	204.40	204.77	202.12	201.35	-
Men's and boys' work clothing	2328	5.68	5.74	5.77	5.78	-	202.78	204.92	208.30	209.24	-
Women's and misses' outerwear	233	6.05	6.06	6.16	6.21	-	215.38	214.52	218.06	219.21	-
Women's and misses' blouses and waists	2331	5.23	5.27	5.40	5.49	-	185.14	188.14	189.54	191.60	-
Women's and misses' dresses	2335	6.52	6.41	6.54	6.59	-	228.85	230.12	219.09	220.77	-
Women's and misses' suits and coats	2337	6.62	6.53	6.68	6.74	-	235.67	229.86	234.47	240.62	-
Women's and misses' outerwear, nec	2339	5.94	6.01	6.08	6.12	-	213.25	211.55	220.70	219.71	-
Women's and children's undergarments	234	5.71	5.86	5.99	5.93	-	213.55	216.82	225.82	215.26	-
Women's and children's underwear	2341	5.57	5.71	5.85	5.74	-	211.10	213.55	222.89	209.51	-
Brassieres and allied garments	2342	6.49	6.68	6.71	6.83	-	227.80	235.14	238.88	242.47	-
Children's outerwear	236	5.57	5.65	5.78	5.74	-	207.20	212.44	218.48	211.23	-
Children's dresses and blouses	2361	5.68	5.70	5.69	5.72	-	206.75	210.33	212.81	205.92	-
Misc. apparel and accessories	238	6.02	6.15	6.29	6.30	-	234.18	234.32	237.76	236.25	-
Misc. fabricated textile products	239	7.66	7.61	7.63	7.70	-	304.10	294.51	302.15	301.07	-
Curtains and draperies	2391	6.12	6.21	6.49	6.53	-	222.77	221.08	242.08	241.61	-
House furnishings, nec	2392	6.31	6.37	6.49	6.54	-	246.09	238.88	266.09	262.91	-
Automotive and apparel trimmings	2396	11.99	11.68	11.51	11.69	-	520.37	496.40	476.51	481.63	-
Paper and allied products	26	11.81	11.78	12.08	12.11	12.08	519.64	508.90	527.90	531.63	523.06
Paper and pulp mills	261,2,6	14.50	14.46	15.02	14.90	-	669.90	650.70	678.90	680.93	-
Paper mills, except building paper	262	14.52	14.49	15.06	14.91	-	673.73	652.05	685.23	684.37	-
Paperboard mills	263	14.70	14.47	15.11	15.16	-	668.85	643.92	687.51	689.78	-
Misc. converted paper products	264	10.27	10.30	10.51	10.58	-	433.39	428.48	446.68	451.77	-
Paper coating and glazing	2641	11.44	11.42	11.80	11.83	-	507.94	501.34	525.10	520.52	-
Envelopes	2642	9.75	9.73	9.88	9.94	-	402.68	405.74	419.90	426.43	-
Bags, except textile bags	2643	9.43	9.46	9.77	9.85	-	401.72	394.48	419.13	424.54	-
Paperboard containers and boxes	265	10.08	10.09	10.21	10.27	-	437.47	434.88	442.09	443.66	-
Folding paperboard boxes	2651	10.57	10.51	10.73	10.82	-	462.97	457.19	462.46	466.34	-
Corrugated and solid fiber boxes	2653	10.24	10.27	10.37	10.42	-	445.44	447.77	456.28	456.40	-
Sanitary food containers	2654	9.95	9.81	10.07	10.03	-	433.82	405.15	426.97	439.31	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Nondurable goods—Continued											
Printing and publishing	27	38.4	37.7	38.1	38.3	37.6	3.2	2.8	3.2	3.2	-
Newspapers	271	33.8	32.6	34.0	33.8	-	1.5	1.0	1.8	1.5	-
Periodicals	272	38.3	37.8	38.4	38.0	-	3.0	3.0	3.6	2.9	-
Books	273	39.3	38.6	38.2	38.8	-	3.6	3.2	2.5	2.8	-
Book publishing	2731	38.4	38.0	38.0	38.3	-	2.7	2.6	2.1	2.4	-
Book printing	2732	40.7	39.6	38.5	39.6	-	4.9	4.2	3.2	3.4	-
Miscellaneous publishing	274	36.8	36.5	36.1	35.5	-	2.1	2.0	2.1	1.7	-
Commercial printing	275	39.8	39.2	39.5	39.7	-	3.8	3.3	3.8	3.8	-
Commercial printing, letterpress	2751	39.8	38.9	39.3	39.4	-	3.3	2.7	3.4	3.5	-
Commercial printing, lithographic	2752	39.6	39.1	39.4	39.7	-	3.9	3.6	3.9	3.9	-
Manifold business forms	276	42.5	41.2	42.8	44.9	-	4.8	3.7	4.2	5.6	-
Blankbooks and bookbinding	278	40.2	39.3	37.4	37.9	-	3.4	3.1	2.5	2.7	-
Printing trade services	279	38.7	38.7	39.1	39.5	-	3.8	3.9	4.2	4.0	-
Chemicals and allied products	28	42.9	42.4	42.6	43.3	42.4	4.2	4.0	4.3	4.5	-
Industrial inorganic chemicals	281	43.7	42.7	42.8	42.4	-	4.4	3.8	4.5	4.1	-
Industrial inorganic chemicals, nec	2819	43.9	42.8	42.0	42.2	-	4.3	3.9	4.2	4.0	-
Plastics materials and synthetics	282	43.7	43.1	43.3	42.7	-	5.0	4.6	4.9	4.6	-
Plastics materials and resins	2821	44.2	43.7	44.3	43.8	-	5.4	4.9	5.3	5.3	-
Organic fibers, noncellulosic	2824	43.7	42.7	42.8	41.8	-	4.7	4.4	4.4	3.8	-
Drugs	283	42.2	41.7	42.3	44.1	-	3.9	3.8	4.1	4.5	-
Pharmaceutical preparations	2834	41.9	41.2	42.4	44.6	-	3.8	3.8	4.1	4.5	-
Soap, cleaners, and toilet goods	284	40.8	40.0	40.5	42.1	-	2.7	2.6	2.8	3.9	-
Soap and other detergents	2841	43.6	42.7	42.3	44.1	-	4.2	4.8	4.5	6.0	-
Polishing, sanitation, and finishing preparations	2842,3	42.0	40.9	41.7	43.5	-	3.3	3.1	2.7	3.5	-
Toilet preparations	2844	38.5	38.0	38.8	40.1	-	1.6	1.1	1.9	2.7	-
Paints and allied products	285	42.2	41.7	42.1	42.6	-	3.4	3.5	3.6	3.7	-
Industrial organic chemicals	286	44.7	44.1	44.4	45.3	-	5.6	5.1	5.6	6.0	-
Cyclic crudes and intermediates	2865	42.9	43.0	44.2	45.5	-	4.8	5.0	5.0	6.4	-
Gum, wood, and industrial organic chemicals, nec	2861,9	45.2	44.4	44.4	45.3	-	5.8	5.1	5.7	5.9	-
Agricultural chemicals	287	44.2	43.6	43.3	43.3	-	5.0	4.9	4.7	4.9	-
Miscellaneous chemical products	289	42.9	42.6	42.6	43.0	-	3.9	3.8	3.9	3.8	-
Petroleum and coal products	29	44.3	43.5	44.7	46.2	46.8	5.2	4.9	6.1	5.5	-
Petroleum refining	291	44.8	43.8	44.7	46.8	-	5.3	4.9	5.6	5.3	-
Paving and roofing materials	295	43.1	43.3	46.5	45.8	-	5.4	5.4	8.9	7.5	-
Rubber and misc. plastics products	30	42.1	41.9	41.5	41.4	41.0	4.4	4.3	3.8	3.7	-
Tires and inner tubes	301	45.5	45.4	42.9	42.5	-	6.6	6.3	4.8	4.9	-
Rubber and plastics footwear	302	40.7	39.8	41.8	41.3	-	2.3	2.4	3.2	2.0	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	44.2	44.0	43.3	43.2	-	4.4	4.5	4.1	4.2	-
Fabricated rubber products, nec	306	41.9	41.5	41.7	42.1	-	3.8	3.7	3.6	3.6	-
Miscellaneous plastics products	307	41.6	41.4	41.2	41.1	-	4.3	4.2	3.7	3.6	-
Leather and leather products	31	38.3	37.8	37.5	37.7	37.0	2.0	1.8	2.1	1.9	-
Leather tanning and finishing	311	41.5	41.5	41.6	42.5	-	4.8	4.8	4.0	4.2	-
Footwear, except rubber	314	38.1	37.6	36.5	36.9	-	1.6	1.4	1.5	1.3	-
Men's footwear, except athletic	3143	37.6	37.0	36.0	36.3	-	1.2	1.1	1.0	.9	-
Women's footwear, except athletic	3144	39.0	38.2	36.6	37.0	-	1.9	1.8	2.2	1.6	-
Luggage	316	38.5	39.3	42.0	37.5	-	1.9	2.0	2.4	1.7	-
Handbags and personal leather goods	317	35.9	35.0	36.0	36.2	-	2.2	1.6	3.5	3.2	-
Transportation and public utilities		39.5	39.3	39.1	39.2	38.6	-	-	-	-	-
Railroad transportation:											
Class I railroads ^b	4011	45.5	45.4	43.4	43.0	-	-	-	-	-	-
Local and interurban passenger transit	41	34.4	34.2	33.6	33.5	-	-	-	-	-	-
Local and suburban transportation	411	38.6	38.9	38.3	38.1	-	-	-	-	-	-
Intercity highway transportation	413	39.3	39.0	39.8	38.7	-	-	-	-	-	-
Trucking and warehousing	42	39.2	37.5	38.4	38.6	-	-	-	-	-	-
Trucking and trucking terminals	421,3	39.1	37.4	38.3	38.5	-	-	-	-	-	-
Public warehousing	422	40.1	39.0	40.4	40.0	-	-	-	-	-	-
Pipe lines, except natural gas	46	42.6	42.3	40.9	42.5	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Nondurable goods—Continued											
Printing and publishing	27	\$10.70	\$10.73	\$11.05	\$11.07	\$11.14	\$410.88	\$404.52	\$421.01	\$423.98	\$418.86
Newspapers	271	10.71	10.79	10.95	10.94	-	362.00	351.75	372.30	369.77	-
Periodicals	272	11.30	11.41	11.77	11.75	-	432.79	431.30	451.97	446.50	-
Books	273	9.61	9.59	10.00	9.94	-	377.67	370.17	382.00	385.67	-
Book publishing	2731	9.31	9.31	9.71	9.70	-	357.50	353.78	368.98	371.51	-
Book printing	2732	10.02	10.01	10.44	10.28	-	407.81	396.40	401.94	407.09	-
Miscellaneous publishing	274	10.00	10.06	10.26	10.30	-	368.00	367.19	370.39	365.65	-
Commercial printing	275	10.95	10.96	11.31	11.37	-	435.81	429.63	446.75	451.39	-
Commercial printing, letterpress	2751	10.49	10.48	11.02	11.07	-	417.50	407.67	433.09	436.16	-
Commercial printing, lithographic	2752	11.10	11.14	11.40	11.45	-	439.56	435.57	449.16	454.57	-
Manifold business forms	276	11.24	11.14	11.41	11.65	-	477.70	458.97	488.35	523.09	-
Blankbooks and bookbinding	278	8.58	8.47	8.80	8.77	-	344.92	332.87	329.12	332.38	-
Printing trade services	279	13.19	13.33	13.56	13.47	-	510.45	515.87	530.20	532.07	-
Chemicals and allied products	28	12.90	12.85	13.26	13.31	13.40	553.41	544.84	564.88	576.32	568.16
Industrial inorganic chemicals	281	14.01	13.97	14.39	14.42	-	612.24	596.52	615.89	611.41	-
Industrial inorganic chemicals, nec	2819	13.99	13.98	14.55	14.53	-	614.16	598.34	611.10	613.17	-
Plastics materials and synthetics	282	13.22	13.14	13.63	13.70	-	577.71	566.33	590.18	584.99	-
Plastics materials and resins	2821	14.22	14.13	14.51	14.60	-	628.52	617.48	642.79	639.48	-
Organic fibers, noncellulosic	2824	12.39	12.36	12.88	12.95	-	541.44	527.77	551.26	541.31	-
Drugs	283	12.44	12.40	12.71	12.67	-	524.97	517.08	537.63	558.75	-
Pharmaceutical preparations	2834	12.18	12.21	12.68	12.70	-	510.34	503.05	537.63	566.42	-
Soap, cleaners, and toilet goods	284	11.26	11.27	11.48	11.75	-	459.41	450.80	464.94	494.68	-
Soap and other detergents	2841	14.97	14.87	14.98	15.40	-	652.69	634.95	633.65	679.14	-
Polishing, sanitation, and finishing preparations	2842,3	10.25	10.34	10.13	10.24	-	430.50	422.91	422.42	445.44	-
Toilet preparations	2844	9.48	9.45	9.91	10.12	-	364.98	359.10	384.51	405.81	-
Paints and allied products	285	11.49	11.54	11.78	11.74	-	484.88	481.22	495.94	500.12	-
Industrial organic chemicals	286	15.22	15.09	15.73	15.76	-	680.33	665.47	698.41	713.93	-
Cyclic crudes and intermediates	2865	14.68	14.87	15.56	15.78	-	629.77	639.41	687.75	717.99	-
Gum, wood, and industrial organic chemicals, nec	2861,9	15.36	15.15	15.77	15.75	-	694.27	672.66	700.19	713.48	-
Agricultural chemicals	287	12.73	12.63	13.00	13.10	-	562.67	550.67	562.90	567.23	-
Miscellaneous chemical products	289	11.82	11.76	12.05	12.10	-	507.08	500.98	513.33	520.30	-
Petroleum and coal products	29	15.21	15.24	15.64	15.80	15.96	673.80	662.94	699.11	729.96	746.93
Petroleum refining	291	16.38	16.34	16.80	16.87	-	733.82	715.69	750.96	789.52	-
Paving and roofing materials	295	11.50	11.52	12.77	12.66	-	495.65	498.82	593.81	579.83	-
Rubber and misc. plastics products	30	9.31	9.32	9.50	9.60	9.71	391.95	390.51	394.25	397.44	398.11
Tires and inner tubes	301	14.66	14.84	15.18	15.20	-	667.03	673.74	651.22	646.00	-
Rubber and plastics footwear	302	6.50	6.68	6.69	6.58	-	264.55	265.86	279.64	271.75	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	9.31	9.37	9.61	9.57	-	411.50	412.28	416.11	413.42	-
Fabricated rubber products, nec	306	8.77	8.79	9.07	9.11	-	367.46	364.79	378.22	383.53	-
Miscellaneous plastics products	307	8.69	8.67	8.85	8.96	-	361.50	358.94	364.62	368.26	-
Leather and leather products	31	6.44	6.48	6.67	6.73	6.80	246.65	244.94	250.13	253.72	251.60
Leather tanning and finishing	311	8.69	8.59	8.74	8.73	-	360.64	356.49	363.58	371.03	-
Footwear, except rubber	314	6.14	6.21	6.39	6.40	-	233.93	233.50	233.24	236.16	-
Men's footwear, except athletic	3143	6.55	6.64	6.87	6.83	-	246.28	245.68	247.32	247.93	-
Women's footwear, except athletic	3144	5.86	5.90	5.98	6.05	-	228.54	225.38	218.87	223.85	-
Luggage	316	6.41	6.42	6.71	6.57	-	246.79	252.31	281.82	246.38	-
Handbags and personal leather goods	317	5.92	5.90	6.14	6.22	-	212.53	206.50	221.04	225.16	-
Transportation and public utilities		12.42	12.47	12.67	12.70	12.75	490.59	490.07	495.40	497.84	492.15
Railroad transportation:											
Class I railroads ³	4011	15.28	15.30	16.06	16.30	-	695.24	694.62	697.00	700.90	-
Local and interurban passenger transit	41	8.66	8.70	9.05	9.04	-	297.90	297.54	304.08	302.84	-
Local and suburban transportation	411	9.40	9.48	9.77	9.90	-	362.84	368.77	374.19	377.19	-
Intercity highway transportation	413	11.39	11.45	11.80	11.63	-	447.63	446.55	469.64	450.08	-
Trucking and warehousing	42	11.13	11.10	11.54	11.64	-	436.30	416.25	443.14	449.30	-
Trucking and trucking terminals	421,3	11.29	11.26	11.75	11.82	-	441.44	421.12	450.03	455.07	-
Public warehousing	422	9.07	9.11	9.16	9.35	-	363.71	355.29	370.06	374.00	-
Pipe lines, except natural gas	46	16.24	16.09	16.43	16.83	-	691.82	680.61	671.99	715.28	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Transportation and public utilities—Continued											
Communication	48	39.2	39.6	39.1	39.2	-	-	-	-	-	-
Telephone communication	481	40.5	40.9	40.6	40.7	-	-	-	-	-	-
Radio and television broadcasting	483	35.6	35.9	35.0	35.0	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.9	41.6	42.2	42.2	-	-	-	-	-	-
Electric services	491	41.9	41.7	41.9	42.0	-	-	-	-	-	-
Gas production and distribution	492	42.0	42.0	42.9	42.8	-	-	-	-	-	-
Combination utility services	493	42.4	41.9	43.1	42.7	-	-	-	-	-	-
Sanitary services	495	41.5	41.0	41.7	41.4	-	-	-	-	-	-
Wholesale trade		38.2	37.9	38.1	38.2	37.8	-	-	-	-	-
Durable goods	50	38.7	38.5	38.5	38.6	-	-	-	-	-	-
Motor vehicles and automotive equipment	501	38.1	37.6	37.7	38.0	-	-	-	-	-	-
Furniture and home furnishings	502	37.9	37.0	37.0	37.2	-	-	-	-	-	-
Lumber and construction materials	503	39.3	39.0	39.6	39.1	-	-	-	-	-	-
Sporting goods, toys, and hobby goods	504	35.8	35.5	35.1	35.2	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.9	40.7	40.3	40.2	-	-	-	-	-	-
Electrical goods	506	38.1	38.3	38.3	38.7	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.7	38.6	38.6	38.9	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.0	39.0	38.9	39.0	-	-	-	-	-	-
Miscellaneous durable goods	509	38.3	38.1	38.1	37.8	-	-	-	-	-	-
Nondurable goods	51	37.5	37.1	37.5	37.6	-	-	-	-	-	-
Paper and paper products	511	37.2	37.1	37.5	37.3	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.0	36.9	37.7	38.1	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.8	36.6	36.2	36.3	-	-	-	-	-	-
Groceries and related products	514	38.1	37.4	38.2	38.4	-	-	-	-	-	-
Chemicals and allied products	516	39.9	39.8	39.3	39.7	-	-	-	-	-	-
Petroleum and petroleum products	517	38.5	38.7	38.2	38.5	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	36.6	35.6	36.1	36.6	-	-	-	-	-	-
Miscellaneous nondurable goods	519	36.7	36.2	36.7	36.8	-	-	-	-	-	-
Retail trade		29.6	28.4	28.6	29.2	28.3	-	-	-	-	-
Building materials and garden supplies	52	36.3	35.8	35.9	36.0	-	-	-	-	-	-
Lumber and other building materials	521	37.9	37.5	37.8	37.6	-	-	-	-	-	-
Hardware stores	525	33.2	32.1	31.9	32.6	-	-	-	-	-	-
General merchandise stores	53	30.4	26.6	27.7	30.1	-	-	-	-	-	-
Department stores	531	30.1	26.3	27.6	30.0	-	-	-	-	-	-
Variety stores	533	33.1	28.0	28.2	32.0	-	-	-	-	-	-
Misc. general merchandise stores	539	31.2	27.9	28.3	30.0	-	-	-	-	-	-
Food stores	54	30.0	29.3	29.5	29.5	-	-	-	-	-	-
Grocery stores	541	30.0	29.5	29.7	29.6	-	-	-	-	-	-
Retail bakeries	546	29.9	28.1	28.9	29.2	-	-	-	-	-	-
Automotive dealers and service stations	55	36.3	36.0	36.0	36.1	-	-	-	-	-	-
New and used car dealers	551,2	37.1	36.8	36.9	36.9	-	-	-	-	-	-
Auto and home supply stores	553	38.4	38.1	38.0	37.9	-	-	-	-	-	-
Gasoline service stations	554	34.0	33.9	33.8	34.0	-	-	-	-	-	-
Apparel and accessory stores	56	28.0	26.0	26.5	27.6	-	-	-	-	-	-
Men's and boys' clothing and furnishings	561	30.4	28.2	27.7	30.0	-	-	-	-	-	-
Women's ready-to-wear stores	562	25.8	23.8	23.8	24.5	-	-	-	-	-	-
Family clothing stores	565	28.0	25.5	26.8	27.9	-	-	-	-	-	-
Shoe stores	566	29.8	28.3	29.3	30.7	-	-	-	-	-	-
Furniture and home furnishings stores	57	33.7	32.7	32.7	33.3	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.9	33.2	33.4	33.9	-	-	-	-	-	-
Household appliance stores	572	34.9	34.1	33.3	33.9	-	-	-	-	-	-
Radio, television, and music stores	573	32.9	31.5	31.2	32.1	-	-	-	-	-	-
Eating and drinking places ¹	58	25.5	25.1	25.0	24.9	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Transportation and public utilities—Continued											
Communication	48	\$12.90	\$12.97	\$13.11	\$13.06	-	\$505.68	\$513.61	\$512.60	\$511.95	-
Telephone communication	481	13.60	13.67	13.82	13.67	-	550.80	559.10	561.09	556.37	-
Radio and television broadcasting	483	11.86	11.95	12.29	12.31	-	422.22	429.01	430.15	430.85	-
Electric, gas, and sanitary services	49	14.63	14.66	15.01	15.01	-	613.00	609.86	633.42	633.42	-
Electric services	491	14.69	14.70	15.45	15.39	-	615.51	612.99	647.36	646.38	-
Gas production and distribution	492	13.65	13.72	14.00	14.22	-	573.30	576.24	600.60	608.62	-
Combination utility services	493	17.42	17.38	17.25	17.17	-	738.61	728.22	743.48	733.16	-
Sanitary services	495	11.29	11.32	11.47	11.54	-	468.54	464.12	478.30	477.76	-
Wholesale trade		10.14	10.23	10.55	10.62	\$10.64	387.35	387.72	401.96	405.68	\$402.19
Durable goods	50	10.35	10.46	10.83	10.89	-	400.55	402.71	416.96	420.35	-
Motor vehicles and automotive equipment	501	9.40	9.49	9.98	10.00	-	358.14	356.82	376.25	380.00	-
Furniture and home furnishings	502	9.48	9.63	9.93	10.02	-	359.29	356.31	367.41	372.74	-
Lumber and construction materials	503	9.86	9.86	10.29	10.36	-	387.50	384.54	407.48	405.08	-
Sporting goods, toys, and hobby goods	504	9.25	9.23	10.19	10.17	-	331.15	327.67	357.67	357.98	-
Metals and minerals, except petroleum	505	10.84	10.88	11.04	11.12	-	443.36	442.82	444.91	447.02	-
Electrical goods	506	10.84	11.02	11.11	11.22	-	413.00	422.07	425.51	434.21	-
Hardware, plumbing, and heating equipment	507	9.64	9.78	10.16	10.23	-	373.07	377.51	392.18	397.95	-
Machinery, equipment, and supplies	508	11.07	11.18	11.63	11.66	-	431.73	436.02	452.41	454.74	-
Miscellaneous durable goods	509	8.25	8.33	8.55	8.61	-	315.98	317.37	325.76	325.46	-
Nondurable goods	51	9.84	9.90	10.13	10.22	-	369.00	367.29	379.88	384.27	-
Paper and paper products	511	10.67	10.85	11.23	11.16	-	396.92	402.54	421.13	416.27	-
Drugs, proprietaries, and sundries	512	11.29	11.26	11.69	11.75	-	417.73	415.49	440.71	447.68	-
Apparel, piece goods, and notions	513	9.50	9.81	9.87	9.98	-	349.60	359.05	357.29	362.27	-
Groceries and related products	514	9.98	10.06	10.24	10.27	-	380.24	376.24	391.17	394.37	-
Chemicals and allied products	516	12.34	12.40	12.62	12.73	-	492.37	493.52	495.97	505.38	-
Petroleum and petroleum products	517	9.94	9.88	10.01	10.19	-	382.69	382.36	382.38	392.32	-
Beer, wine, and distilled beverages	518	11.61	11.27	11.78	12.21	-	424.93	401.21	425.26	446.89	-
Miscellaneous nondurable goods	519	8.07	8.06	8.39	8.47	-	296.17	291.77	307.91	311.70	-
Retail trade		6.43	6.48	6.64	6.66	6.74	190.33	184.03	189.90	194.47	190.74
Building materials and garden supplies	52	7.57	7.62	7.83	7.86	-	274.79	272.80	281.10	282.96	-
Lumber and other building materials	521	7.97	8.00	8.18	8.27	-	302.06	300.00	309.20	310.95	-
Hardware stores	525	6.26	6.33	6.57	6.59	-	207.83	203.19	209.58	214.83	-
General merchandise stores	53	6.60	6.70	6.86	6.79	-	200.64	178.22	190.02	204.38	-
Department stores	531	6.90	6.97	7.14	7.06	-	207.69	183.31	197.06	211.80	-
Variety stores	533	5.17	5.33	5.33	5.36	-	171.13	149.24	150.31	171.52	-
Misc. general merchandise stores	539	5.30	5.55	5.64	5.66	-	165.36	154.85	159.61	169.80	-
Food stores	54	7.07	7.11	7.23	7.22	-	212.10	208.32	213.29	212.99	-
Grocery stores	541	7.20	7.20	7.34	7.33	-	216.00	212.40	218.00	216.97	-
Retail bakeries	546	6.06	6.09	6.15	6.24	-	181.19	171.13	177.74	182.21	-
Automotive dealers and service stations	55	8.33	8.31	8.63	8.65	-	302.38	299.16	310.68	312.27	-
New and used car dealers	551,2	10.09	10.01	10.48	10.47	-	374.34	368.37	386.71	386.34	-
Auto and home supply stores	553	7.24	7.29	7.65	7.69	-	278.02	277.75	290.70	291.45	-
Gasoline service stations	554	5.86	5.86	6.04	6.11	-	199.24	198.65	204.15	207.74	-
Apparel and accessory stores	56	5.86	5.96	6.11	6.12	-	164.08	154.96	161.92	168.91	-
Men's and boys' clothing and furnishings	561	7.04	7.42	7.39	7.36	-	214.02	209.24	204.70	220.80	-
Women's ready-to-wear stores	562	5.54	5.67	5.72	5.73	-	142.93	134.95	136.14	140.39	-
Family clothing stores	565	5.67	5.88	6.14	6.03	-	158.76	149.94	164.55	168.24	-
Shoe stores	566	6.14	5.90	6.11	6.27	-	182.97	166.97	179.02	192.49	-
Furniture and home furnishings stores	57	8.08	8.11	8.28	8.45	-	272.30	265.20	270.76	281.39	-
Furniture and home furnishings stores	571	8.17	8.16	8.28	8.39	-	276.96	270.91	276.55	284.42	-
Household appliance stores	572	8.24	8.13	8.80	8.91	-	287.58	277.23	293.04	302.05	-
Radio, television, and music stores	573	7.87	8.02	8.11	8.43	-	258.92	252.63	253.03	270.60	-
Eating and drinking places ¹	58	4.69	4.68	4.82	4.87	-	119.60	117.47	120.50	121.26	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^a	Jan. 1990 ^a
Retail trade—Continued											
Miscellaneous retail	59	30.9	29.3	29.3	30.8	-	-	-	-	-	-
Drug stores and proprietary stores	591	27.7	26.9	27.1	27.7	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	30.1	28.1	27.4	29.6	-	-	-	-	-	-
Nonstore retailers	596	33.9	31.7	33.6	35.0	-	-	-	-	-	-
Fuel and ice dealers	598	40.2	39.8	39.0	40.6	-	-	-	-	-	-
Retail stores, nec	599	33.2	30.9	31.2	32.7	-	-	-	-	-	-
Finance, insurance, and real estate⁵		35.8	36.1	35.7	35.7	35.7	-	-	-	-	-
Banking	60	35.8	36.0	35.3	35.3	-	-	-	-	-	-
Commercial and stock savings banks	602	35.7	36.0	35.2	35.2	-	-	-	-	-	-
Credit agencies other than banks	61	36.3	36.5	36.2	36.1	-	-	-	-	-	-
Savings and loan associations	612	35.7	36.0	35.5	35.6	-	-	-	-	-	-
Personal credit institutions	614	36.3	36.2	36.4	36.2	-	-	-	-	-	-
Insurance carriers	63	37.0	37.3	37.1	37.2	-	-	-	-	-	-
Life insurance	631	36.8	37.0	37.0	37.0	-	-	-	-	-	-
Medical service and health insurance	632	37.8	37.9	38.0	38.3	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	36.7	37.0	36.9	36.8	-	-	-	-	-	-
Services		32.6	32.6	32.6	32.5	32.4	-	-	-	-	-
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	30.1	30.5	30.8	29.6	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	34.5	33.7	34.6	34.2	-	-	-	-	-	-
Beauty shops ⁴	723	30.3	29.8	29.6	29.6	-	-	-	-	-	-
Business services	73	34.0	33.7	33.7	33.7	-	-	-	-	-	-
Advertising	731	36.7	37.6	36.6	36.8	-	-	-	-	-	-
Services to buildings	734	29.9	29.7	29.4	29.3	-	-	-	-	-	-
Computer and data processing services	737	38.2	38.2	37.9	38.0	-	-	-	-	-	-
Auto repair, services, and garages	75	36.6	36.3	36.5	36.8	-	-	-	-	-	-
Automotive repair shops	753	38.1	37.9	38.1	38.4	-	-	-	-	-	-
Miscellaneous repair services	76	38.2	37.7	37.6	37.6	-	-	-	-	-	-
Motion pictures	78	29.4	29.2	28.8	29.0	-	-	-	-	-	-
Motion picture production and services	781	37.0	36.9	34.2	35.5	-	-	-	-	-	-
Amusement and recreation services	79	27.6	27.8	28.0	28.3	-	-	-	-	-	-
Health services	80	32.3	32.6	32.5	32.5	-	-	-	-	-	-
Offices of physicians	801	31.3	31.6	31.6	31.7	-	-	-	-	-	-
Offices of dentists	802	28.6	28.8	28.4	28.4	-	-	-	-	-	-
Nursing and personal care facilities	805	31.7	32.2	31.8	31.9	-	-	-	-	-	-
Hospitals	806	33.8	34.0	34.0	34.1	-	-	-	-	-	-
Legal services	81	34.6	34.9	34.9	35.0	-	-	-	-	-	-
Miscellaneous services	89	38.1	38.1	37.8	37.9	-	-	-	-	-	-
Engineering and architectural services	891	39.3	39.0	39.2	39.0	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	893	36.9	37.1	36.2	36.7	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$6.60	\$6.76	\$6.86	\$6.85	-	\$203.94	\$198.07	\$201.00	\$210.98	-
Drug stores and proprietary stores	591	6.30	6.41	6.52	6.52	-	174.51	172.43	176.69	180.60	-
Miscellaneous shopping goods stores	594	6.11	6.34	6.38	6.33	-	183.91	178.15	174.81	187.37	-
Nonstore retailers	596	7.54	7.55	7.72	7.73	-	255.61	239.34	259.39	270.55	-
Fuel and ice dealers	598	9.58	9.58	9.68	10.05	-	385.12	381.28	377.52	408.03	-
Retail stores, nec	599	6.67	6.89	7.02	6.98	-	221.44	212.90	219.02	228.25	-
Finance, insurance, and real estate⁵		9.32	9.46	9.69	9.76	\$9.84	333.66	341.51	345.93	348.43	\$351.29
Banking	60	7.99	8.17	8.39	8.41	-	286.04	294.12	296.17	296.87	-
Commercial and stock savings banks	602	7.65	7.82	7.96	7.99	-	273.11	281.52	280.19	281.25	-
Credit agencies other than banks	61	8.49	8.59	8.79	8.94	-	308.19	313.54	318.20	322.73	-
Savings and loan associations	612	8.04	8.15	8.16	8.23	-	287.03	293.40	289.68	292.99	-
Personal credit institutions	614	8.03	8.12	8.20	8.34	-	291.49	293.94	298.48	301.91	-
Insurance carriers	63	10.47	10.50	10.80	10.84	-	387.39	391.65	400.68	403.25	-
Life insurance	631	9.87	9.88	10.03	10.13	-	363.22	365.56	371.11	374.81	-
Medical service and health insurance	632	10.09	10.16	10.49	10.42	-	381.40	385.06	398.62	399.09	-
Fire, marine, and casualty insurance	633	11.07	11.09	11.60	11.64	-	406.27	410.33	428.04	428.35	-
Services		9.16	9.25	9.61	9.69	9.77	298.62	301.55	313.29	314.93	316.55
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	6.63	6.62	6.82	6.94	-	199.56	201.91	210.06	205.42	-
Personal services:											
Laundry, cleaning, and garment services	721	6.45	6.46	6.66	6.72	-	222.53	217.70	230.44	229.82	-
Beauty shops ⁴	723	6.86	6.65	7.03	7.09	-	207.86	198.17	208.09	209.86	-
Business services	73	9.27	9.44	9.74	9.80	-	315.18	318.13	328.24	330.26	-
Advertising	731	12.70	12.80	13.11	13.26	-	466.09	481.28	479.83	487.97	-
Services to buildings	734	6.94	6.94	7.08	7.11	-	207.51	206.12	208.15	208.32	-
Computer and data processing services	737	13.51	13.66	14.33	14.41	-	516.08	521.81	543.11	547.58	-
Auto repair, services, and garages	75	8.30	8.25	8.55	8.61	-	303.78	299.48	312.08	316.85	-
Automotive repair shops	753	9.09	9.08	9.41	9.49	-	346.33	344.13	358.52	364.42	-
Miscellaneous repair services	76	9.69	9.70	10.10	10.14	-	370.16	365.69	379.76	381.26	-
Motion pictures	78	12.49	12.21	12.72	12.96	-	367.21	356.53	366.34	375.84	-
Motion picture production and services	781	16.37	15.77	16.24	16.61	-	605.69	581.91	555.41	589.66	-
Amusement and recreation services	79	8.07	7.99	8.39	8.45	-	222.73	222.12	234.92	239.14	-
Health services	80	9.50	9.58	10.05	10.13	-	306.85	312.31	326.63	329.23	-
Offices of physicians	801	9.03	9.13	9.46	9.54	-	282.64	288.51	298.94	302.42	-
Offices of dentists	802	9.16	9.24	9.64	9.78	-	261.98	266.11	273.78	277.75	-
Nursing and personal care facilities	805	6.54	6.62	6.94	7.02	-	207.32	213.16	220.69	223.94	-
Hospitals	806	10.84	10.93	11.48	11.53	-	366.39	371.62	390.32	393.17	-
Legal services	81	13.03	13.30	13.52	13.63	-	450.84	464.17	471.85	477.05	-
Miscellaneous services	89	12.82	12.96	13.54	13.67	-	488.44	493.78	511.81	518.09	-
Engineering and architectural services	891	13.65	13.85	14.32	14.48	-	536.45	540.15	561.34	564.72	-
Accounting, auditing, and bookkeeping	893	11.03	11.17	11.73	11.86	-	407.01	414.41	424.63	435.26	-

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

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

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

⁴ Money payments only; tips, not included.

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

- Data not available.

^p = preliminary.

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

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

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

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

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

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

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

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Nov. 1988	Dec. 1988	Nov. 1989	Dec. 1989 ^p	Nov. 1988	Dec. 1988	Nov. 1989	Dec. 1989 ^p
Average hourly earnings, excluding lump-sum payments	\$14.55	\$14.60	\$15.17	\$15.26	\$13.80	\$13.99	\$14.37	\$14.43
Average hourly earnings, including lump-sum payments	15.07	15.06	15.94	15.85	14.23	14.39	14.62	14.69

^p = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Manufacturing	\$9.88	\$9.91	\$10.10	\$10.18	\$10.16
Durable goods	10.36	10.40	10.60	10.67	10.57
Lumber and wood products	8.40	8.37	8.60	8.64	(?)
Furniture and fixtures	7.76	7.84	8.11	8.11	(?)
Stone, clay, and glass products	10.00	10.05	10.26	10.31	(?)
Primary metal industries	11.50	11.54	11.83	11.85	(?)
Fabricated metal products	9.91	9.96	10.13	10.20	(?)
Machinery, except electrical	10.63	10.65	10.93	10.97	(?)
Electrical and electronic equipment	9.84	9.88	10.08	10.10	(?)
Transportation equipment	12.81	12.83	13.16	13.26	(?)
Instruments and related products	9.72	9.76	10.00	10.08	(?)
Miscellaneous manufacturing	7.93	7.99	8.19	8.31	(?)
Nondurable goods	9.18	9.22	9.41	9.51	\$9.58
Food and kindred products	8.79	8.84	8.87	8.98	(?)
Tobacco manufactures	13.84	14.06	14.59	14.91	(?)
Textile mill products	7.16	7.24	7.44	7.49	(?)
Apparel and other textile products	6.14	6.17	6.26	6.30	(?)
Paper and allied products	11.13	11.13	11.40	11.41	(?)
Printing and publishing	10.27	10.34	10.61	10.63	(?)
Chemicals and allied products	12.29	12.27	12.62	12.65	(?)
Petroleum and coal products	14.37	14.43	14.65	14.91	(?)
Rubber and misc. plastics products	8.84	8.87	9.08	9.18	(?)
Leather and leather products	6.28	6.33	6.49	6.56	(?)

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

² Not available.

^p = preliminary.

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

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

INDUSTRY	Average hourly earnings					Average weekly earnings				
	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p	Dec. 1988	Jan. 1989	Nov. 1989	Dec. 1989 ^p	Jan. 1990 ^p
Total private:										
Current dollars	\$9.46	\$9.54	\$9.81	\$9.84	\$9.89	\$330.15	\$329.13	\$338.45	\$340.46	\$338.24
Constant (1977) dollars	4.83	4.85	4.80	4.81	(¹)	168.70	167.41	165.66	166.40	(¹)
Mining:										
Current dollars	13.03	13.20	13.13	13.34	\$13.39	557.68	557.04	572.47	584.29	\$589.16
Constant (1977) dollars	6.66	6.71	6.43	6.52	(¹)	284.97	283.34	280.21	285.58	(¹)
Construction:										
Current dollars	13.19	13.26	13.51	13.66	\$13.43	491.99	483.99	514.73	505.42	\$506.31
Constant (1977) dollars	6.74	6.74	6.61	6.68	(¹)	251.40	246.18	251.95	247.03	(¹)
Manufacturing:										
Current dollars	10.37	10.37	10.58	10.66	\$10.60	432.43	425.17	434.84	440.26	\$430.36
Constant (1977) dollars	5.30	5.27	5.18	5.21	(¹)	220.97	216.26	212.84	215.18	(¹)
Transportation and public utilities:										
Current dollars	12.42	12.47	12.67	12.70	\$12.75	490.59	490.07	495.40	497.84	\$492.15
Constant (1977) dollars	6.35	6.34	6.20	6.21	(¹)	250.68	249.27	242.49	243.32	(¹)
Wholesale trade:										
Current dollars	10.14	10.23	10.55	10.62	\$10.64	387.35	387.72	401.96	405.68	\$402.19
Constant (1977) dollars	5.18	5.20	5.16	5.19	(¹)	197.93	197.21	196.75	198.28	(¹)
Retail trade:										
Current dollars	6.43	6.48	6.64	6.66	\$6.74	190.33	184.03	189.90	194.47	\$190.74
Constant (1977) dollars	3.29	3.30	3.25	3.26	(¹)	97.26	93.61	92.95	95.05	(¹)
Finance, insurance, and real estate:										
Current dollars	9.32	9.46	9.69	9.76	\$9.84	333.66	341.51	345.93	348.43	\$351.29
Constant (1977) dollars	4.76	4.81	4.74	4.77	(¹)	170.50	173.71	169.32	170.30	(¹)
Services:										
Current dollars	9.16	9.25	9.61	9.69	\$9.77	298.62	301.55	313.29	314.93	\$316.55
Constant (1977) dollars	4.68	4.70	4.70	4.74	(¹)	152.59	153.38	153.35	153.92	(¹)

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

² Not available.

^p = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1988 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1988 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

Industry	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^p	Jan. ^p
Total private	34.8	34.6	34.7	34.9	34.6	34.6	34.8	34.6	34.7	34.7	34.6	34.5	34.6
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Manufacturing	41.1	41.1	41.0	41.3	41.0	41.0	41.0	41.0	41.0	40.8	40.7	40.7	40.7
<i>Overtime hours</i>	3.9	3.9	4.0	3.9	3.8	3.8	3.9	3.8	3.8	3.7	3.7	3.6	3.6
Durable goods	41.8	41.8	41.7	41.9	41.5	41.5	41.5	41.6	41.6	41.2	41.2	41.2	41.3
<i>Overtime hours</i>	4.1	4.1	4.1	4.1	3.9	3.9	4.0	3.9	3.9	3.8	3.7	3.6	3.7
Lumber and wood products	40.3	39.6	40.0	40.5	39.7	39.8	39.6	40.2	40.2	40.4	40.3	40.1	40.2
Furniture and fixtures	39.8	39.7	39.8	39.9	39.4	39.4	39.5	39.6	39.6	39.2	39.4	39.1	39.5
Stone, clay, and glass products	42.5	42.2	42.2	42.5	41.9	42.2	42.3	42.5	42.2	42.3	42.4	41.6	42.2
Primary metal industries	43.6	43.4	43.5	43.3	43.2	43.3	43.0	42.9	42.8	42.5	42.6	42.5	42.6
Blast furnaces and basic steel products ..	44.0	43.8	44.1	43.5	43.6	43.7	43.2	43.4	42.9	42.8	43.0	43.0	43.3
Fabricated metal products	41.9	41.9	41.8	41.9	41.7	41.5	41.5	41.5	41.6	41.5	41.4	41.2	41.4
Machinery, except electrical	42.5	42.6	42.5	42.7	42.5	42.5	42.4	42.2	42.3	42.0	42.1	42.0	42.0
Electrical and electronic equipment	40.9	40.9	40.6	41.0	40.7	40.7	40.6	40.9	41.1	40.9	40.8	40.6	40.7
Transportation equipment	42.8	43.1	43.1	42.8	42.5	42.5	42.6	42.7	42.8	41.2	40.9	41.9	41.5
Motor vehicles and equipment	43.6	43.9	43.9	43.3	42.8	42.7	42.6	43.0	43.4	42.9	42.3	42.3	41.2
Instruments and related products	41.5	41.5	41.1	41.5	41.1	41.3	41.4	41.1	41.0	41.1	41.0	41.0	41.1
Miscellaneous manufacturing	39.4	39.5	39.5	39.8	39.6	39.4	39.3	39.4	39.2	39.3	39.7	39.3	39.5
Nondurable goods	40.1	40.2	40.1	40.4	40.2	40.3	40.2	40.2	40.2	40.2	40.1	39.9	40.0
<i>Overtime hours</i>	3.6	3.7	3.8	3.8	3.7	3.6	3.8	3.6	3.7	3.7	3.6	3.6	3.5
Food and kindred products	40.1	40.3	40.4	40.7	40.5	40.7	41.0	40.8	41.0	40.8	40.8	40.7	40.4
Tobacco manufactures	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Textile mill products	40.9	40.8	41.1	41.7	41.4	41.4	41.2	41.0	40.6	40.7	40.5	40.3	40.2
Apparel and other textile products	37.0	37.1	36.9	37.6	37.1	37.1	37.0	37.0	37.0	36.9	36.8	36.3	36.6
Paper and allied products	43.1	43.2	43.3	43.4	43.3	43.3	43.2	43.5	43.2	43.4	43.4	43.1	43.3
Printing and publishing	38.0	38.0	37.9	37.9	37.7	37.8	37.6	37.7	37.9	37.8	37.9	37.7	37.9
Chemicals and allied products	42.3	42.3	42.3	42.6	42.1	42.5	42.5	42.4	42.5	42.4	42.3	42.7	42.4
Petroleum and coal products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Rubber and misc. plastics products	41.7	41.7	41.6	41.6	41.5	41.5	41.4	41.5	41.5	41.4	41.2	40.7	40.8
Leather and leather products	38.0	38.6	38.0	38.3	37.4	37.9	37.7	38.1	38.1	37.7	37.5	37.2	37.2
Transportation and public utilities	39.6	39.4	39.4	40.1	39.5	39.4	39.4	39.0	39.3	39.3	39.1	39.2	38.9
Wholesale trade	38.1	38.1	38.1	38.3	37.9	38.0	38.1	38.0	38.1	38.1	38.1	38.0	38.0
Retail trade	29.1	28.9	28.9	29.1	28.9	28.9	29.2	28.8	28.8	29.0	28.8	28.7	29.0
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	32.7	32.5	32.6	32.8	32.5	32.5	32.8	32.6	32.7	32.8	32.6	32.6	32.5

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

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

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

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

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

(1977 = 100)

Industry	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^p	Jan. ^p
Total private	127.4	127.2	127.6	128.7	127.6	128.1	129.2	128.5	128.9	129.2	129.1	128.8	129.6
Goods-producing	103.0	102.9	102.9	103.5	102.4	102.5	103.0	103.3	102.8	102.4	102.5	101.2	102.3
Mining	79.9	80.1	81.1	83.4	81.8	81.2	80.3	84.4	85.3	85.5	86.2	85.4	86.9
Construction	141.2	140.5	140.3	141.0	138.2	139.3	142.7	143.5	143.1	143.8	145.8	139.4	149.7
Manufacturing	96.7	96.7	96.7	97.2	96.4	96.4	96.3	96.4	95.8	95.2	94.8	94.5	93.9
Durable goods	95.2	95.0	94.9	95.2	94.3	94.0	93.8	94.0	93.3	92.2	91.9	91.7	90.6
Lumber and wood products	107.0	104.5	105.3	105.9	103.7	103.4	102.6	103.6	103.0	104.2	103.9	103.2	104.5
Furniture and fixtures	113.8	113.7	114.3	114.6	112.9	112.6	113.2	111.9	111.6	109.9	110.2	109.1	109.5
Stone, clay, and glass products	91.4	90.9	90.5	91.0	89.3	89.8	90.0	90.2	88.8	89.6	90.0	87.9	89.8
Primary metal industries	69.1	68.7	68.9	68.6	68.2	68.5	67.9	67.6	66.7	65.9	65.6	65.4	65.2
Blast furnaces and basic steel products	53.8	53.4	53.6	52.4	52.3	52.6	52.0	53.0	51.9	51.1	50.8	51.1	50.7
Fabricated metal products	93.0	92.8	92.5	92.2	91.7	90.8	90.7	90.4	90.0	89.7	89.1	88.6	87.6
Machinery, except electrical	93.0	93.7	93.4	93.9	93.7	93.8	94.0	93.2	93.1	92.0	92.7	92.5	92.3
Electrical and electronic equipment	100.2	99.9	98.8	99.7	98.4	97.8	97.6	98.0	98.0	97.1	96.6	95.3	96.0
Transportation equipment	101.0	101.0	101.5	101.2	100.5	99.5	98.6	100.5	98.5	94.3	92.7	94.9	86.6
Motor vehicles and equipment	91.8	91.1	91.7	91.1	90.2	88.1	85.7	90.1	87.0	84.7	82.3	82.5	68.7
Instruments and related products	115.3	115.6	115.0	116.4	115.8	116.1	116.9	115.8	115.8	116.1	115.2	114.7	115.8
Miscellaneous manufacturing	85.9	86.4	86.1	87.1	86.6	86.2	85.7	86.8	85.8	86.0	86.2	86.3	88.2
Nondurable goods	98.9	99.3	99.5	100.1	99.5	99.9	100.1	99.9	99.7	99.6	99.2	98.7	98.7
Food and kindred products	101.5	102.2	102.9	103.8	103.3	104.3	106.4	105.2	106.2	105.9	105.5	105.4	105.0
Tobacco manufactures	73.4	74.1	69.6	73.0	69.6	69.0	70.5	68.7	69.0	67.6	66.9	65.8	68.7
Textile mill products	80.6	80.4	81.0	82.1	81.5	81.5	81.3	80.4	79.1	79.5	78.8	78.2	77.3
Apparel and other textile products	84.9	85.5	85.4	86.8	85.4	85.2	84.9	84.9	84.5	84.0	83.6	82.1	82.4
Paper and allied products	101.7	101.9	102.3	102.4	102.3	102.3	102.7	103.4	101.9	102.8	102.8	102.2	103.1
Printing and publishing	138.3	138.4	138.5	138.2	137.8	138.3	137.7	138.3	138.7	138.3	139.3	138.9	140.1
Chemicals and allied products	99.9	100.0	100.4	100.9	100.5	101.8	101.5	101.8	101.5	101.8	101.5	102.8	102.1
Petroleum and coal products	81.2	83.3	82.2	82.9	83.5	84.3	83.2	83.4	84.1	85.6	85.3	87.1	88.3
Rubber and misc. plastics products	119.5	120.0	119.9	119.9	119.6	118.9	118.8	119.3	118.4	118.1	116.8	114.8	114.2
Leather and leather products	56.1	57.0	56.1	56.0	54.7	55.5	54.7	54.8	54.8	53.8	53.0	52.1	52.1
Service-producing	140.9	140.6	141.2	142.6	141.5	142.2	143.7	142.4	143.3	144.0	143.9	144.0	144.7
Transportation and public utilities	116.4	116.2	116.2	118.6	117.3	117.3	117.7	113.7	116.8	117.4	117.3	119.5	119.1
Wholesale trade	125.3	125.9	126.4	127.2	126.1	126.7	127.2	127.3	127.6	128.0	128.3	128.0	128.7
Retail trade	127.2	126.7	126.9	127.7	127.2	127.4	128.9	127.5	127.5	128.4	128.3	127.5	129.6
Finance, insurance, and real estate	142.1	140.8	141.8	143.8	141.9	142.7	145.0	143.3	143.8	145.0	143.8	143.9	143.8
Services	166.4	166.1	167.3	168.9	167.5	169.0	170.8	170.4	171.4	172.2	172.0	172.4	172.4

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

^p = preliminary.

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

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

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

Industry	1989												1990
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec. ^p	Jan. ^p
Average hourly earnings													
Total private (in current dollars)	\$9.49	\$9.52	\$9.54	\$9.61	\$9.60	\$9.62	\$9.69	\$9.69	\$9.74	\$9.78	\$9.78	\$9.83	\$9.84
Mining	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Construction	\$13.18	\$13.22	\$13.26	\$13.33	\$13.32	\$13.32	\$13.42	\$13.37	\$13.39	\$13.44	\$13.52	\$13.62	\$13.35
Manufacturing	10.33	10.37	10.40	10.40	10.42	10.45	10.48	10.52	10.55	10.55	10.57	10.60	10.56
Excluding overtime³	9.87	9.89	9.92	9.92	9.97	9.99	10.01	10.05	10.08	10.08	10.11	10.14	10.11
Transportation and public utilities	12.45	12.48	12.50	12.52	12.54	12.54	12.61	12.57	12.67	12.68	12.61	12.65	12.74
Wholesale trade	10.19	10.18	10.21	10.36	10.28	10.33	10.44	10.39	10.47	10.54	10.54	10.59	10.60
Retail trade	6.44	6.45	6.47	6.51	6.49	6.52	6.54	6.57	6.58	6.61	6.61	6.65	6.69
Finance, insurance, and real estate	9.40	9.35	9.36	9.54	9.45	9.53	9.68	9.57	9.66	9.77	9.67	9.79	9.77
Services	9.15	9.19	9.24	9.32	9.33	9.34	9.46	9.43	9.49	9.58	9.54	9.62	9.66
Total private (in constant dollars) ⁴	4.81	4.81	4.80	4.80	4.77	4.77	4.79	4.79	4.81	4.81	4.79	4.80	(⁵)
Average weekly earnings													
Total private:													
In current dollars	330.25	329.39	331.04	335.39	332.16	332.85	337.21	335.27	337.98	339.37	338.39	339.14	340.46
In constant (1977) dollars ⁴	167.55	166.44	166.44	167.53	165.01	165.10	166.85	165.89	166.90	166.85	165.80	165.60	(⁵)

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

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

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

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

⁵ Not available.

^p = preliminary.

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

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Alabama	41.6	40.9	41.2	\$9.10	\$9.20	\$9.25	\$378.56	\$376.28	\$381.10
Birmingham	41.6	41.1	41.6	9.17	9.30	9.33	381.47	382.23	388.13
Mobile	42.1	42.1	41.7	10.64	11.03	10.84	447.94	464.36	452.03
Alaska	42.3	40.7	39.9	13.84	14.06	14.16	585.43	572.24	564.98
Arizona	41.7	41.9	41.9	9.92	10.08	10.07	413.66	422.35	421.93
Arkansas	41.0	41.0	40.7	8.24	8.35	8.41	337.84	342.35	342.29
Fayetteville-Springdale	37.0	41.4	39.9	7.61	7.61	7.86	281.57	315.05	313.61
Fort Smith	41.5	40.8	40.8	8.73	8.67	8.73	362.30	353.74	356.18
Little Rock-North Little Rock	41.0	41.2	41.5	8.58	8.95	8.93	351.78	368.74	370.60
Pine Bluff	45.7	43.8	46.1	11.18	10.56	10.30	510.93	462.53	474.83
California	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Colorado	39.6	41.0	41.6	10.48	10.57	10.62	415.01	433.37	441.79
Denver	40.5	40.5	41.7	11.16	11.08	11.35	451.98	448.74	473.30
Connecticut	42.2	42.6	43.1	11.05	11.30	11.41	466.31	481.38	491.77
Bridgeport-Milford	41.7	42.7	42.8	11.35	11.59	11.61	473.30	494.89	496.91
Hartford	43.0	42.8	43.2	11.65	12.04	12.09	500.95	515.31	522.29
New Britain	43.5	42.6	43.2	11.51	11.85	11.87	500.69	504.81	512.78
New Haven-Meriden	42.1	41.5	42.0	10.42	10.70	10.82	438.68	444.05	454.44
Stamford	39.6	41.2	41.6	12.28	11.97	12.14	486.29	493.16	505.02
Waterbury	44.8	42.7	42.8	10.15	10.48	10.49	454.72	447.50	448.97
Delaware	39.8	40.9	40.9	10.39	11.51	11.86	413.52	470.76	485.07
Wilmington	41.5	43.1	44.0	12.49	13.95	14.17	518.34	601.25	623.48
District of Columbia:									
Washington MSA	39.9	39.3	37.5	11.53	12.25	12.31	460.05	481.43	461.63
Florida	42.0	41.4	41.9	8.65	8.81	8.86	363.30	364.73	371.23
Fort Lauderdale-Hollywood-Pompano Beach	42.5	41.2	41.7	8.51	8.78	8.81	361.68	361.74	367.38
Jacksonville	41.1	42.7	41.6	9.24	9.42	9.49	379.76	402.23	394.78
Miami-Hialeah	40.6	40.3	40.5	7.34	7.55	7.59	298.00	304.27	307.40
Orlando	41.0	41.2	41.6	9.44	10.08	10.00	387.04	415.30	416.00
Pensacola	45.2	42.1	43.0	11.05	10.97	11.14	499.46	461.84	479.02
Tampa-St. Petersburg-Clearwater	41.9	41.2	41.0	8.55	8.76	8.92	358.25	360.91	365.72
West Palm Beach-Boca Raton-DeRay Beach	42.8	43.3	42.7	9.43	9.63	9.78	403.60	416.98	417.61
Georgia	42.2	41.1	42.1	8.77	8.89	9.05	370.09	365.38	381.01
Atlanta	41.8	41.8	43.6	10.22	10.21	10.36	427.20	426.78	451.70
Savannah	49.0	48.3	49.0	11.57	11.77	11.70	566.93	568.49	573.30
Hawaii	40.0	40.6	41.7	9.94	10.48	10.62	397.60	425.49	442.85
Honolulu	40.5	40.6	41.9	10.12	10.67	10.84	409.86	433.20	454.20
Idaho	39.3	38.3	39.8	10.05	10.49	10.40	394.97	401.77	413.92
Illinois	41.7	42.3	42.6	11.06	11.36	11.39	461.20	480.53	485.21
Aurora-Elgin	43.5	41.9	41.9	10.60	10.75	10.86	461.10	450.43	455.03
Bloomington-Normal	41.5	43.8	44.1	11.33	12.64	12.62	470.20	553.63	556.54
Champaign-Urbana-Rantoul	42.7	42.5	42.1	9.40	10.24	10.29	401.38	435.20	433.21
Chicago	42.4	42.4	42.6	10.79	11.00	11.01	457.50	466.40	469.03
Davenport-Rock Island-Moline	40.5	41.4	42.1	13.17	12.84	13.22	533.39	531.58	556.56
Decatur	41.5	42.8	42.5	14.44	14.87	14.87	599.26	636.44	631.98
Joliet	42.1	42.1	42.4	12.38	12.83	12.82	521.20	540.14	543.57
Kankakee	38.9	42.3	41.9	11.28	11.61	11.44	438.79	491.10	479.34
Lake County	40.6	40.8	41.8	11.62	11.84	11.86	471.77	483.07	495.75
Peoria	44.6	44.8	44.6	13.48	14.03	14.20	601.21	628.54	633.32
Rockford	43.1	43.3	43.1	11.76	12.22	12.24	506.86	529.13	527.54
Springfield	42.5	40.2	40.0	11.87	11.59	11.57	504.48	465.92	462.80
Indiana	42.1	41.8	41.7	11.49	11.73	11.87	483.73	490.31	494.98

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. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Iowa	42.6	41.3	40.8	\$10.81	\$10.99	\$11.08	\$460.51	\$453.89	\$452.06
Cedar Rapids	40.4	40.2	39.2	12.56	12.63	12.75	507.42	507.73	499.80
Des Moines	43.0	41.6	41.5	11.63	12.03	12.23	500.09	500.45	507.55
Dubuque	45.5	40.1	40.5	12.13	12.14	12.36	551.92	486.81	500.58
Sioux City	33.0	42.8	46.1	8.27	8.79	7.61	272.91	376.21	350.82
Kansas	40.6	38.4	40.7	10.46	10.47	10.74	424.68	402.05	437.12
Topeka	41.9	42.6	40.1	11.46	11.96	11.79	480.17	509.50	472.78
Wichita	41.9	33.6	40.0	11.20	10.80	11.78	469.28	362.88	471.20
Kentucky	41.0	40.1	38.8	10.21	10.35	10.37	418.61	415.04	402.36
Lexington-Fayette	40.0	40.8	39.6	10.47	10.87	10.62	418.80	443.50	420.55
Louisville	42.4	40.7	38.0	11.80	11.72	11.71	500.32	477.00	444.98
Louisiana	42.3	42.2	42.6	10.90	11.11	11.27	461.07	468.84	480.10
Baton Rouge	44.1	44.0	45.0	12.31	12.88	12.82	542.87	566.72	576.90
New Orleans	40.2	39.8	42.0	10.52	10.92	10.82	422.90	434.62	454.44
Shreveport	41.3	39.3	37.5	11.54	10.78	10.61	476.60	423.65	397.88
Maine	40.5	40.0	41.0	9.69	10.21	10.10	392.45	408.40	414.10
Lewiston-Auburn	38.0	38.9	36.9	8.53	9.03	9.08	324.14	351.27	335.05
Portland	39.9	39.1	40.7	10.18	10.68	10.58	406.18	417.59	430.61
Maryland	41.7	41.9	41.4	10.68	11.14	11.25	445.36	466.77	465.75
Baltimore MSA	41.7	41.6	41.1	11.34	11.76	11.77	472.88	489.22	483.75
Massachusetts	42.0	41.1	41.1	10.51	10.93	11.03	441.42	449.22	453.33
Boston	41.6	40.7	40.9	11.20	11.71	11.77	465.92	476.60	481.39
Springfield	42.6	41.9	41.7	9.89	10.11	10.08	421.31	423.61	420.34
Worcester	41.6	40.9	41.0	10.63	11.20	11.24	442.21	458.08	460.84
Michigan	44.8	42.6	42.9	13.60	13.69	13.70	609.28	583.19	587.73
Ann Arbor	46.6	44.9	44.9	14.64	14.48	14.26	682.22	650.15	640.27
Battle Creek	43.3	41.4	42.6	14.41	14.04	13.88	623.95	581.26	591.29
Detroit	45.8	43.4	43.7	14.67	14.74	14.76	671.89	639.72	645.01
Flint	46.7	43.9	43.6	17.02	17.52	17.57	794.83	769.13	766.05
Grand Rapids	42.2	40.5	41.5	11.44	11.72	11.78	482.77	474.66	488.87
Jackson	44.8	41.3	42.4	10.57	10.81	11.05	473.54	446.45	468.52
Kalamazoo	43.8	42.0	42.1	12.60	13.05	13.08	551.88	548.10	550.67
Lansing-East Lansing	44.5	38.4	39.2	14.54	14.99	15.13	647.03	575.62	593.10
Muskegon	41.9	40.9	43.5	11.94	12.66	12.55	500.29	517.79	545.92
Saginaw-Bay City-Midland	45.8	42.1	42.0	15.46	15.59	15.43	708.07	656.34	648.06
Minnesota	41.0	40.5	40.4	10.69	11.04	11.10	438.29	447.12	448.44
Duluth	36.7	37.7	38.3	11.44	11.37	11.29	419.85	428.65	432.41
Minneapolis-St. Paul	41.4	40.5	40.5	11.34	11.71	11.71	469.48	474.26	474.26
St. Cloud	38.6	37.2	38.8	10.16	9.91	9.69	392.18	368.65	375.97
Mississippi	41.5	39.7	40.7	7.93	8.11	8.24	329.10	321.97	335.37
Jackson	41.1	39.7	40.8	8.96	9.20	9.31	368.26	365.24	379.85
Missouri	42.3	40.6	41.4	10.36	10.50	10.66	438.23	426.30	441.32
Kansas City	41.9	40.0	41.3	11.64	11.40	11.61	487.72	456.00	479.49
St. Louis	42.8	41.9	42.0	12.12	12.37	12.62	518.74	518.30	530.04
Springfield	42.1	39.4	41.9	8.57	8.74	8.76	360.80	344.36	367.04
Montana	40.3	38.5	40.0	10.92	11.28	11.24	440.08	434.28	449.60
Nebraska	40.5	41.0	41.0	9.51	9.65	9.67	385.16	395.65	396.47
Lincoln	40.3	39.7	40.1	10.00	10.05	10.12	403.00	398.99	405.81
Omaha	42.0	42.4	41.3	10.31	10.44	10.49	433.02	442.66	433.24
Nevada	43.9	41.2	41.3	10.48	10.54	10.64	460.07	434.25	439.43
Las Vegas	42.4	43.5	42.5	12.76	12.93	13.12	541.02	562.46	557.60
New Hampshire	41.1	40.8	41.2	10.05	10.57	10.61	413.06	431.26	437.13
Manchester	40.1	41.7	40.4	10.33	10.56	10.31	414.23	440.35	416.52
Nashua	42.6	40.7	41.1	12.36	13.21	13.26	526.54	537.65	544.99
Portsmouth-Dover-Rochester	42.5	40.3	40.7	9.55	10.07	10.26	405.88	405.82	417.58

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. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
New Jersey	41.5	41.3	41.3	\$11.13	\$11.63	\$11.67	\$461.90	\$480.32	\$481.97
New Mexico	41.5	39.5	39.3	8.88	8.94	9.00	368.52	353.13	353.70
Albuquerque	40.7	40.4	39.5	9.44	9.48	9.41	384.21	382.99	371.70
New York	40.4	40.3	40.3	10.76	10.90	10.88	434.70	439.27	438.46
Albany-Schenectady-Troy	42.4	41.9	41.9	11.40	11.68	11.49	483.36	489.39	481.43
Binghamton	41.2	40.3	40.7	9.81	10.24	10.40	404.17	412.67	423.28
Buffalo	43.9	42.6	42.2	12.61	13.03	12.95	553.58	555.08	546.49
Elmira	43.3	41.8	41.4	9.86	9.80	9.70	426.94	409.64	401.58
Nassau-Suffolk	39.4	40.9	41.1	11.65	11.87	11.92	459.01	485.48	489.91
New York PMSA	37.6	37.4	37.8	10.17	10.15	10.25	382.39	379.61	387.45
New York City	37.2	36.9	37.4	9.94	9.95	10.06	369.77	367.16	376.24
Niagara Falls	43.5	42.3	41.6	14.08	13.98	13.75	612.48	591.35	572.00
Orange County	38.5	39.8	39.6	8.63	9.04	9.17	332.26	359.79	363.13
Poughkeepsie	41.5	40.4	41.0	10.17	11.05	11.04	422.06	446.42	452.64
Rochester	43.4	42.3	42.7	12.80	12.81	12.77	555.52	541.86	545.28
Rockland County	36.4	39.5	39.0	11.04	8.98	9.26	401.86	354.71	361.14
Syracuse	42.0	40.9	40.8	12.46	11.70	11.68	523.32	478.53	476.54
Utica-Rome	42.3	41.9	41.9	9.76	9.97	10.14	412.85	417.74	424.87
Westchester County	41.7	41.4	40.9	11.69	12.11	12.07	487.47	501.35	493.66
North Carolina	41.1	40.7	40.4	8.29	8.48	8.56	340.72	345.14	345.82
Asheville	41.3	41.8	40.6	8.32	8.54	8.66	343.62	356.97	351.60
Charlotte-Gastonia-Rock Hill	41.2	41.4	41.1	8.65	8.94	8.97	356.38	370.12	368.67
Greensboro-Winston-Salem-High Point	40.3	39.3	39.3	9.16	9.23	9.34	369.15	362.74	367.06
Raleigh-Durham	42.3	41.9	41.9	9.27	9.62	9.58	392.12	403.08	401.40
North Dakota	39.0	40.0	41.0	8.44	8.86	8.86	329.16	354.40	363.26
Fargo-Moorhead	39.2	40.8	43.7	8.38	8.95	9.01	328.50	365.16	393.74
Ohio	43.8	42.7	42.5	12.20	12.34	12.36	534.36	526.92	525.30
Akron	43.1	42.6	42.5	11.44	11.58	11.65	493.06	493.31	495.13
Canton	43.0	41.4	41.7	11.61	11.84	11.79	499.23	490.18	491.64
Cincinnati	43.5	43.6	43.2	11.33	11.65	11.57	492.86	507.94	499.82
Cleveland	44.3	42.9	42.8	12.15	12.03	12.08	538.25	516.09	517.02
Columbus	41.9	42.4	42.5	11.76	12.24	12.26	492.74	518.98	521.05
Dayton-Springfield	44.4	42.7	42.5	12.95	12.95	13.03	574.98	552.97	553.78
Toledo	44.3	43.7	44.0	13.30	13.34	12.93	589.19	582.96	568.92
Youngstown-Warren	43.5	43.6	42.6	13.66	14.13	14.06	594.21	616.07	598.96
Oklahoma	42.0	42.4	43.0	10.49	10.51	10.52	440.58	445.62	452.36
Oklahoma City	43.3	43.9	44.7	11.51	11.27	11.23	498.38	494.75	501.98
Tulsa	42.9	41.6	42.4	10.80	10.82	10.89	463.32	450.11	461.74
Oregon	40.2	38.9	40.0	10.71	10.85	11.08	430.54	422.07	443.20
Eugene-Springfield	40.9	38.2	39.8	10.57	10.92	11.01	432.31	417.14	438.20
Portland	40.4	39.5	39.9	10.72	10.97	11.24	433.09	433.32	448.48
Salem	38.0	37.6	38.2	9.27	9.46	10.00	352.26	355.70	382.00
Pennsylvania	41.1	41.1	40.7	10.47	10.72	10.80	430.32	440.59	439.56
Allentown-Bethlehem	40.1	39.8	39.3	10.55	10.69	10.58	423.06	425.46	415.79
Altoona	40.1	39.9	39.9	9.06	9.63	9.43	363.31	384.24	376.26
Beaver County	43.3	42.5	42.5	10.64	10.73	10.82	460.71	456.03	459.85
Erie	43.1	44.5	43.1	10.60	10.90	10.85	456.86	485.05	467.64
Harrisburg-Lebanon-Carlisle	40.3	40.8	40.3	9.84	10.25	10.38	396.55	418.20	418.31
Johnstown	39.4	38.7	37.7	8.39	8.67	8.64	330.57	335.53	325.73
Lancaster	41.0	41.1	41.5	10.40	10.82	10.89	426.40	444.70	451.94
Philadelphia PMSA	41.5	40.9	41.1	11.55	11.82	11.91	479.33	483.44	489.50
Pittsburgh	42.4	42.6	41.3	11.28	11.34	11.30	478.27	483.08	466.69

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. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Pennsylvania-Continued									
Reading	40.9	41.0	41.2	\$11.07	\$11.02	\$11.07	\$452.76	\$451.82	\$456.08
Scranton-Wilkes-Barre	38.6	39.1	38.6	9.17	9.31	9.44	353.96	364.02	364.38
Williamsport	40.0	39.9	39.4	9.27	9.72	9.75	370.80	387.83	384.15
York	42.4	41.8	42.3	10.07	10.25	10.44	426.97	428.45	441.61
Rhode Island									
Pawtucket-Woonsocket-Attleboro	39.3	39.3	39.2	8.85	9.21	9.25	347.81	361.95	362.60
Providence	39.6	39.6	39.2	8.47	8.83	8.84	335.41	349.67	346.53
Providence	38.8	38.8	38.6	8.57	8.82	8.86	332.52	342.22	342.00
South Carolina									
Charleston	41.5	41.1	41.3	8.36	8.73	8.75	346.94	358.80	361.38
Columbia	40.8	41.0	41.2	9.18	9.57	9.61	374.54	392.37	395.93
Greenville-Spartanburg	41.7	41.4	41.8	8.53	9.04	9.07	355.70	374.26	379.13
Greenville-Spartanburg	41.6	41.0	41.1	8.32	8.76	8.79	346.11	359.16	361.27
South Dakota									
Sioux Falls	43.0	42.6	41.1	8.25	8.31	8.11	354.75	354.01	333.32
Sioux Falls	44.3	46.4	43.3	8.71	8.65	8.49	385.85	401.36	367.62
Tennessee									
Chattanooga	42.4	40.0	39.7	9.20	9.20	9.28	390.08	368.00	368.42
Johnson City-Kingsport-Bristol	43.3	40.1	40.2	8.24	8.54	8.54	356.79	342.45	343.31
Knoxville	45.8	42.1	41.1	9.56	9.76	9.79	437.85	410.90	402.37
Memphis	40.3	38.8	36.6	8.91	9.00	9.34	359.07	349.20	341.84
Nashville	42.1	41.5	41.9	9.26	9.49	9.44	389.85	393.84	395.54
Nashville	42.6	41.4	40.2	10.82	10.64	10.81	460.93	440.50	434.56
Texas									
Dallas	42.2	41.8	42.0	10.12	10.27	10.36	427.06	429.29	435.12
Houston	42.0	42.5	42.5	10.10	10.43	10.56	424.20	443.28	448.80
San Antonio	41.4	40.8	41.4	10.85	11.19	11.11	449.19	456.55	459.95
San Antonio	45.0	43.9	45.0	11.66	11.81	11.90	524.70	518.46	535.50
San Antonio	39.6	40.4	41.0	7.57	7.54	7.36	299.77	304.62	301.76
Utah									
Salt Lake City-Ogden	41.0	40.8	40.9	10.03	10.29	10.27	411.23	419.83	420.04
Salt Lake City-Ogden	42.1	41.3	41.6	9.95	10.01	10.06	418.90	413.41	418.50
Vermont									
Burlington	41.6	40.9	42.1	9.93	10.20	10.15	413.09	417.18	427.32
Burlington	41.5	40.6	40.5	10.20	10.91	10.96	423.30	442.95	443.88
Virginia									
Bristol	41.4	41.3	40.2	9.52	9.79	9.93	394.13	404.33	399.19
Charlottesville	42.7	40.6	40.4	7.75	8.09	7.90	330.93	328.45	319.16
Danville	42.9	43.8	41.3	7.91	8.36	8.36	339.34	366.17	345.27
Lynchburg	41.4	40.5	41.1	8.65	8.76	8.92	358.11	354.78	366.61
Northern Virginia	41.2	41.7	38.8	9.20	9.51	9.48	379.04	396.57	367.82
Richmond-Petersburg	39.9	41.0	41.0	10.80	11.27	11.18	430.92	462.07	458.38
Roanoke	42.3	42.1	41.3	12.23	12.79	13.02	517.33	538.46	537.73
Roanoke	42.1	40.8	40.8	9.88	9.79	10.23	415.95	399.43	417.38
Washington									
Seattle	41.0	33.0	40.1	12.13	11.61	12.42	497.33	383.13	498.04
West Virginia									
Charleston	41.8	41.6	41.7	10.79	11.40	11.24	451.02	474.24	468.71
Huntington-Ashland	46.5	43.5	44.7	13.68	14.87	14.46	636.12	646.85	646.36
Parkersburg-Marietta	41.8	39.6	39.7	12.58	11.95	11.77	525.84	473.22	467.27
Wheeling	43.5	41.6	43.0	12.51	14.05	13.86	544.19	584.48	595.98
Wheeling	40.5	43.4	40.6	11.97	12.83	12.33	484.79	556.82	500.60
Wisconsin									
Appleton-Oshkosh	42.2	40.9	42.1	10.72	10.92	11.01	452.38	446.63	463.52
Eau Claire	44.3	43.4	44.8	11.54	11.97	12.03	511.22	519.50	538.94
Green Bay	40.8	42.1	43.4	10.61	10.79	10.88	432.89	454.26	472.19
Janesville-Beloit	42.5	40.4	42.0	11.57	12.01	11.93	491.73	485.20	501.06
Kenosha	44.1	43.0	44.2	13.15	13.74	13.60	579.92	590.82	601.12
La Crosse	41.6	38.7	41.9	13.03	11.38	11.75	542.05	440.41	492.33
Madison	41.9	40.6	40.1	9.22	9.75	9.62	386.32	395.85	385.76
Milwaukee	41.6	40.9	41.8	10.08	10.03	10.27	419.33	410.23	429.29
Racine	41.7	41.2	42.8	11.57	11.59	11.84	482.47	477.51	506.75
Wausau	39.8	39.1	39.9	10.81	11.17	11.30	430.24	436.75	450.87
Wausau	42.4	42.1	43.8	10.11	10.36	10.41	428.66	436.16	455.96
Wyoming									
Cheyenne	38.4	38.6	40.2	10.07	10.14	9.59	386.69	391.40	385.52
Puerto Rico									
San Juan	39.5	40.7	40.3	5.62	5.85	5.89	221.99	238.10	237.37
Virgin Islands									
St. John	41.6	44.1	44.5	10.19	11.86	11.72	423.90	523.03	521.54

¹ Not available.

^P = preliminary.

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

publication. All State and area data have been adjusted to March 1988 benchmarks.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	Nov. 1989 ^r	Dec. 1989 ^r	Jan. 1990 ^p	Jan. 1989 to Jan. 1990 ^p	Nov. 1989 to Dec. 1989 ^r	Dec. 1989 to Jan. 1990 ^p
Total	204,909	202,733	203,760	1.7	-1.1	0.5
Private sector	167,317	166,870	167,841	1.7	-3	.6
Mining	1,668	1,656	1,690	8.3	-7	2.1
Construction	10,797	10,379	10,910	6.1	-3.9	5.1
Manufacturing	41,472	41,313	41,094	-2.0	-4	-5
Durable goods	24,552	24,456	24,250	-3.4	-4	-8
Nondurable goods	16,920	16,858	16,844	.0	-4	-.1
Transportation and public utilities	11,720	11,865	11,878	2.0	1.2	.1
Wholesale trade	12,463	12,477	12,495	2.8	.1	.1
Retail trade	29,574	29,478	29,993	1.9	-3	1.7
Finance, insurance, and real estate	12,773	12,785	12,790	.8	.1	.0
Services	46,848	46,918	46,990	3.8	.1	.2
Government	37,592	35,863	35,919	1.7	-4.6	.2

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

^p = preliminary.

^r = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors. SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

(1977 = 100)

Item	Annual average		Quarterly index										
	1988	1989 ^P	1987			1988				1989			
			II	III	IV	I	II	III	IV	I	II	III ^r	IV ^P
Business sector													
Output per hour of all persons	113.0	114.2	110.7	111.7	112.5	113.2	112.6	113.4	113.5	113.8	114.2	114.7	114.7
Output	140.0	144.8	132.2	134.4	136.7	138.2	139.3	140.7	141.9	143.6	144.4	145.6	145.6
Hours	123.9	126.8	119.5	120.3	121.5	122.1	123.8	124.0	125.0	126.2	126.4	127.0	126.9
Compensation per hour	200.2	211.3	189.5	191.8	195.1	196.4	199.1	201.9	204.5	206.9	210.4	212.8	216.2
Real compensation per hour	102.5	103.3	101.4	101.7	102.5	102.3	102.5	102.8	103.0	102.8	102.9	103.5	104.1
Unit labor costs	177.1	185.0	171.3	171.6	173.5	173.5	176.9	178.0	180.2	181.9	184.1	185.6	188.4
Unit nonlabor payments	170.9	175.8	166.5	168.9	167.2	168.9	168.8	171.8	173.7	174.7	176.3	176.5	175.4
Implicit price deflator	174.9	181.8	169.6	170.7	171.3	171.9	174.1	175.8	177.9	179.4	181.4	182.4	183.9
Nonfarm business sector													
Output per hour of all persons	111.1	112.1	108.6	109.5	110.2	111.0	110.5	111.5	112.0	111.6	111.9	112.6	112.7
Output	140.3	145.0	132.0	134.1	136.4	138.0	139.5	141.1	142.8	143.6	144.6	145.9	145.9
Hours	126.3	129.4	121.5	122.4	123.7	124.3	126.2	126.6	127.5	128.6	129.2	129.6	129.5
Compensation per hour	198.7	209.6	188.3	190.5	193.8	195.0	197.5	200.2	203.0	205.5	208.3	211.0	214.6
Real compensation per hour	101.8	102.4	100.7	101.0	101.8	101.5	101.7	101.9	102.3	102.1	101.9	102.7	103.4
Unit labor costs	178.8	187.0	173.4	173.9	175.8	175.7	178.7	179.6	181.3	184.1	186.1	187.4	190.5
Unit nonlabor payments	172.2	176.5	167.6	170.3	168.7	170.3	169.8	172.1	176.3	174.6	176.5	177.6	176.9
Implicit price deflator	176.5	183.4	171.4	172.6	173.4	173.8	175.6	177.0	179.6	180.8	182.8	184.0	185.8
Manufacturing													
Output per hour of all persons	136.5	140.3	133.3	134.3	134.7	135.5	136.3	137.8	138.6	139.4	140.7	141.1	142.2
Output	138.1	143.2	128.7	131.1	133.5	135.0	136.9	139.3	141.1	142.2	143.4	143.9	143.4
Hours	101.2	102.1	96.6	97.7	99.1	99.7	100.5	101.1	101.8	102.0	101.9	102.0	100.8
Compensation per hour	196.0	204.4	189.0	190.4	191.7	194.3	195.3	197.4	200.2	201.9	203.2	206.1	209.8
Real compensation per hour	100.4	99.9	101.1	100.9	100.7	101.2	100.6	100.5	100.8	100.3	99.4	100.3	101.0
Unit labor costs	143.6	145.7	141.8	141.8	142.3	143.4	143.3	143.2	144.4	144.8	144.4	146.1	147.5
Durable goods													
Output per hour of all persons	142.8	146.5	140.3	141.1	141.8	142.5	143.3	144.4	144.9	145.6	147.7	148.3	148.4
Output	145.0	149.6	134.2	136.5	139.9	141.3	144.0	146.4	148.3	149.1	150.3	150.4	148.8
Hours	101.5	102.1	95.7	96.7	98.6	99.2	100.5	101.4	102.3	102.4	101.7	101.4	100.2
Compensation per hour	192.6	200.5	187.8	188.9	189.8	192.6	192.4	193.9	196.9	198.8	199.6	202.7	206.7
Real compensation per hour	98.7	98.0	100.5	100.2	99.7	100.3	99.1	98.7	99.2	98.8	97.7	98.6	99.6
Unit labor costs	134.9	136.9	133.9	133.9	133.8	135.2	134.3	134.3	135.9	136.5	135.1	136.7	139.3
Nondurable goods													
Output per hour of all persons	127.0	131.0	123.1	124.3	124.3	125.1	125.9	128.0	129.0	130.3	130.3	130.5	133.2
Output	127.8	133.6	120.5	123.1	124.0	125.6	126.4	128.8	130.3	131.8	133.1	134.1	135.4
Hours	100.6	102.0	97.9	99.0	99.8	100.4	100.4	100.6	101.0	101.3	102.2	102.8	101.7
Compensation per hour	201.8	211.1	191.5	193.3	195.2	197.5	200.5	203.4	205.7	207.2	209.7	212.4	215.4
Real compensation per hour	103.4	103.2	102.5	102.5	102.6	102.9	103.3	103.5	103.6	103.0	102.6	103.3	103.8
Unit labor costs	158.9	161.2	155.6	155.5	157.0	157.8	159.3	158.9	159.4	159.3	160.9	162.8	161.8
Nonfinancial corporations													
Output per all-employee hour	114.7	(¹)	111.6	113.0	113.5	114.6	114.7	115.1	114.9	114.5	114.5	115.3	(¹)
Output	143.5	(¹)	133.9	136.9	138.9	141.2	142.8	144.3	145.4	145.8	146.5	148.1	(¹)
Hours	125.1	(¹)	120.0	121.1	122.4	123.2	124.5	125.4	126.5	127.4	128.0	128.4	(¹)
Compensation per hour	194.1	(¹)	184.8	186.9	189.5	190.9	193.1	195.5	197.8	200.2	202.8	205.5	(¹)
Real compensation per hour	99.4	(¹)	98.9	99.1	99.6	99.4	99.5	99.5	99.6	99.5	99.3	100.0	(¹)
Total unit costs	174.6	(¹)	170.8	170.8	172.1	171.9	173.6	175.2	177.5	180.4	182.9	184.6	(¹)
Unit labor costs	169.3	(¹)	165.5	165.3	167.0	166.6	168.4	169.9	172.1	174.9	177.1	178.1	(¹)
Unit nonlabor costs	190.3	(¹)	186.3	186.9	187.2	187.8	188.9	191.0	193.3	196.9	200.1	203.9	(¹)
Unit profits	128.8	(¹)	122.5	129.3	122.0	127.0	129.1	127.5	131.6	119.6	116.6	113.5	(¹)
Implicit price deflator	169.1	(¹)	165.0	165.8	166.1	166.5	168.2	169.5	172.0	173.1	175.0	176.1	(¹)

¹ Not available.
^P = preliminary.

^r = revised.
SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	III 1988	IV 1988	I 1989	II 1989	III 1989 ^r	IV 1989 ^p	III 1988	IV 1988	I 1989	II 1989	III 1989 ^r	IV 1989 ^p
Business sector												
Output per hour of all persons	3.1	0.2	1.1	1.6	1.5	0.2	1.5	0.9	0.5	1.5	1.1	1.1
Output	4.0	3.4	4.8	2.3	3.5	.0	4.7	3.8	3.9	3.6	3.5	2.6
Hours .....	.9	3.2	3.7	.6	1.9	-2	3.1	2.9	3.3	2.1	2.4	1.5
Compensation per hour	5.8	5.2	4.8	6.8	4.7	6.5	5.3	4.8	5.4	5.6	5.4	5.7
Real compensation per hour	1.0	.7	-.6	.4	2.3	2.4	1.1	.4	.6	.4	.7	1.1
Unit labor costs	2.6	5.0	3.7	5.1	3.2	6.3	3.7	3.9	4.8	4.1	4.2	4.6
Unit nonlabor payments	7.1	4.6	2.4	3.5	.4	-2.3	1.7	3.9	3.4	4.4	2.7	1.0
Implicit price deflator	4.1	4.8	3.3	4.6	2.2	3.3	3.0	3.9	4.3	4.2	3.7	3.3
Nonfarm business sector												
Output per hour of all persons	3.3	1.9	-1.3	1.1	2.4	.2	1.7	1.6	.6	1.3	1.0	.6
Output	4.6	4.8	2.4	2.8	3.7	-2	5.2	4.7	4.1	3.7	3.4	2.2
Hours	1.2	2.8	3.7	1.7	1.3	-4	3.4	3.0	3.5	2.4	2.4	1.6
Compensation per hour	5.4	5.9	4.9	5.6	5.3	6.9	5.1	4.8	5.4	5.5	5.4	5.7
Real compensation per hour .....	.7	1.4	-.5	-.7	2.8	2.8	.9	.4	.6	.2	.7	1.1
Unit labor costs	2.0	3.8	6.2	4.5	2.8	6.7	3.3	3.1	4.8	4.1	4.4	5.1
Unit nonlabor payments	5.4	10.1	-3.7	4.2	2.5	-1.4	1.1	4.5	2.6	3.9	3.2	.4
Implicit price deflator	3.2	5.9	2.8	4.4	2.7	3.9	2.5	3.6	4.0	4.1	4.0	3.5
Manufacturing												
Output per hour of all persons	4.7	2.2	2.4	3.7	1.2	3.2	2.7	2.9	2.9	3.2	2.4	2.6
Output	7.1	5.1	3.1	3.5	1.4	-1.3	6.2	5.6	5.3	4.7	3.3	1.7
Hours	2.4	2.9	.7	-.2	.1	-4.4	3.5	2.7	2.3	1.4	.9	-.9
Compensation per hour	4.3	5.7	3.5	2.7	5.9	7.2	3.7	4.4	3.9	4.0	4.4	4.8
Real compensation per hour	-.4	1.2	-1.9	-3.5	3.4	3.1	-.4	.1	-.8	-1.1	-.2	.2
Unit labor costs	-.3	3.5	1.0	-1.0	4.6	3.9	1.0	1.5	1.0	.8	2.0	2.1
Durable goods												
Output per hour of all persons	3.2	1.5	1.9	5.9	1.7	.2	2.3	2.2	2.2	3.1	2.7	2.4
Output	6.8	5.3	2.2	3.2	.4	-4.4	7.2	6.0	5.5	4.4	2.8	.3
Hours	3.4	3.8	.3	-2.5	-1.3	-4.6	4.8	3.7	3.2	1.2	.0	-2.0
Compensation per hour	3.3	6.3	3.8	1.7	6.4	8.1	2.6	3.8	3.2	3.8	4.5	5.0
Real compensation per hour	-1.3	1.8	-1.5	-4.4	3.9	3.9	-1.4	-.5	-1.5	-1.4	-.1	.4
Unit labor costs .....	.1	4.8	1.8	-4.0	4.6	7.8	.3	1.5	1.0	.6	1.7	2.5
Nondurable goods												
Output per hour of all persons	6.9	3.2	3.3	.7	.8	8.4	2.9	3.8	3.9	3.5	2.0	3.2
Output	7.7	4.8	4.7	4.0	3.1	4.0	4.6	5.0	5.0	5.3	4.1	4.0
Hours .....	.8	1.6	1.4	3.3	2.3	-4.0	1.6	1.2	1.0	1.8	2.1	.7
Compensation per hour	5.8	4.6	2.9	4.9	5.4	5.8	5.2	5.4	4.9	4.6	4.5	4.7
Real compensation per hour	1.0	.1	-2.4	-1.4	2.9	1.7	1.0	1.0	.1	-.6	-.2	.2
Unit labor costs	-1.0	1.4	-.4	4.2	4.6	-2.4	2.2	1.5	.9	1.0	2.4	1.5
Nonfinancial corporations												
Output per all-employee hour	1.3	-.4	-1.7	.1	3.0	(¹)	1.8	1.3	-.1	-.2	.2	(¹)
Output	4.3	3.2	1.0	2.0	4.3	(¹)	5.4	4.7	3.2	2.6	2.6	(¹)
Hours	2.9	3.6	2.7	1.8	1.2	(¹)	3.5	3.4	3.4	2.8	2.3	(¹)
Compensation per hour	4.9	4.8	4.9	5.4	5.4	(¹)	4.6	4.4	4.9	5.0	5.1	(¹)
Real compensation per hour .....	.2	.4	-.5	-.9	2.9	(¹)	.4	.0	.1	-.2	.4	(¹)
Total unit costs	3.9	5.2	6.9	5.7	3.8	(¹)	2.6	3.1	5.0	5.4	5.4	(¹)
Unit labor costs	3.6	5.3	6.6	5.3	2.3	(¹)	2.8	3.1	5.0	5.2	4.9	(¹)
Unit nonlabor costs	4.6	4.9	7.5	6.7	7.7	(¹)	2.2	3.3	4.9	5.9	6.7	(¹)
Unit profits	-4.7	13.3	-31.7	-9.7	-10.3	(¹)	-1.3	7.9	-5.8	-9.7	-11.0	(¹)
Implicit price deflator	3.1	5.9	2.8	4.3	2.6	(¹)	2.2	3.5	4.0	4.0	3.9	(¹)

¹ Not available.
^p = preliminary.

^r = revised.
SOURCE: Office of Productivity and Technology (202 523 9261).

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
Alabama	1,917.3	1,954.6	1,935.6	147.3	124.6	126.2	7.7	6.4	6.5
Birmingham	445.4	452.6	450.0	26.9	23.5	23.7	6.0	5.2	5.3
Huntsville	136.2	141.2	139.8	7.2	6.8	6.4	5.3	4.8	4.6
Mobile	212.5	213.1	210.9	21.4	15.8	15.2	10.1	7.4	7.2
Montgomery	138.1	139.8	137.7	8.6	8.1	7.8	6.2	5.8	5.6
Tuscaloosa	71.9	74.0	74.1	3.9	3.1	3.5	5.5	4.2	4.8
Alaska	239.1	237.7	239.8	20.7	16.4	18.9	8.6	6.9	7.9
Arizona	1,683.1	1,707.2	1,691.3	90.0	76.0	68.1	5.3	4.5	4.0
Phoenix	1,039.6	1,059.3	1,051.3	46.8	39.9	36.4	4.5	3.8	3.5
Tucson	319.0	319.3	316.4	14.2	11.7	10.8	4.5	3.7	3.4
Arkansas	1,131.7	1,160.5	1,163.6	73.1	70.7	74.6	6.5	6.1	6.4
Fayetteville-Springdale	63.1	64.6	64.9	2.3	2.0	2.3	3.7	3.1	3.6
Fort Smith	93.7	93.2	93.4	7.0	7.1	8.6	7.5	7.6	9.2
Little Rock-North Little Rock	273.2	277.3	281.2	13.6	14.3	14.5	5.0	5.2	5.1
Pine Bluff	36.1	38.7	38.7	2.5	2.3	2.2	6.7	6.0	5.8
California¹	14,131.0	14,468.9	14,294.5	611.0	707.6	683.8	4.3	4.9	4.8
Anaheim-Santa Ana	1,375.9	1,379.0	1,354.0	33.6	36.2	32.8	2.4	2.6	2.4
Bakersfield	224.5	226.8	221.9	20.8	24.3	22.1	9.3	10.7	10.0
Fresno	303.5	296.8	296.3	27.9	30.6	29.0	9.2	10.3	9.8
Los Angeles-Long Beach ¹	4,158.6	4,450.0	4,400.0	148.7	229.0	219.0	3.6	5.2	5.0
Modesto	156.0	157.2	153.7	15.7	15.9	15.8	10.0	10.1	10.3
Oakland	1,085.9	1,104.6	1,094.1	40.0	38.8	37.4	3.7	3.5	3.4
Oxnard-Ventura	353.9	360.5	357.2	16.2	18.5	17.4	4.6	5.1	4.9
Riverside-San Bernardino	944.4	952.2	945.1	44.0	50.8	48.4	4.7	5.3	5.1
Sacramento	716.5	727.0	721.9	33.1	29.8	29.7	4.6	4.1	4.1
San Diego	1,141.3	1,162.8	1,150.1	37.8	40.8	39.2	3.3	3.5	3.4
San Francisco	891.4	887.9	879.5	25.0	24.8	24.4	2.8	2.6	2.8
San Jose	848.3	829.6	818.0	27.6	27.5	26.3	3.3	3.3	3.2
Santa Barbara-Santa Maria-Lompoc	179.5	179.0	175.7	6.6	7.0	6.9	3.7	3.9	3.9
Santa Rosa-Petaluma	193.2	195.8	194.0	8.1	7.2	7.1	4.2	3.7	3.7
Stockton	191.0	188.2	184.6	17.3	17.3	17.3	9.0	9.2	9.4
Vallejo-Fairfield-Napa	191.5	195.8	192.7	8.9	8.7	8.4	4.7	4.5	4.4
Colorado	1,719.1	1,711.1	1,728.7	106.8	81.5	94.8	6.2	4.8	5.5
Boulder-Longmont	134.7	134.2	134.9	6.8	4.7	5.9	5.0	3.5	4.4
Denver	886.0	885.3	893.5	50.5	38.2	44.9	5.7	4.3	5.0
Connecticut	1,701.7	1,746.3	1,766.2	55.9	59.0	66.5	3.3	3.4	3.8
Bridgeport-Milford	224.2	229.6	231.8	9.0	9.7	10.6	4.0	4.2	4.6
Hartford	413.1	421.9	427.4	13.1	12.7	14.7	3.2	3.0	3.4
New Britain	70.3	72.0	72.6	2.5	2.9	3.4	3.6	4.0	4.7
New Haven-Meriden	267.6	280.5	285.1	8.3	9.0	10.1	3.1	3.2	3.6
Stamford	111.9	113.7	114.5	2.3	2.6	2.8	2.0	2.3	2.4
Waterbury	98.1	100.6	102.0	3.9	4.6	5.1	4.0	4.5	5.0
Delaware	351.5	366.5	366.5	10.9	10.2	10.2	3.1	2.8	2.8
Wilmington	305.7	310.3	312.6	10.0	9.9	9.8	3.3	3.2	3.1
District of Columbia	333.6	328.0	326.0	15.5	15.3	15.9	4.6	4.7	4.9
Washington	2,203.1	2,288.2	2,285.5	56.7	57.1	56.9	2.6	2.5	2.5
Florida¹	6,093.5	6,269.9	6,247.0	327.1	349.0	359.8	5.4	5.6	5.8
Daytona Beach	148.8	153.3	152.4	7.6	8.4	9.1	5.1	5.5	6.0
Fort Lauderdale-Hollywood-Pompano Beach	635.2	645.7	643.2	28.7	33.5	33.4	4.5	5.2	5.2
Fort Myers-Cape Coral	144.1	149.3	149.2	5.5	5.8	6.0	3.8	3.9	4.0
Jacksonville	453.0	464.5	460.5	25.9	27.0	27.9	5.7	5.8	6.1
Melbourne-Titusville-Palm Bay	181.7	190.5	188.2	9.3	9.7	10.5	5.1	5.1	5.6
Miami-Hialeah	935.9	962.2	952.5	54.1	61.1	59.7	5.8	6.4	6.3
Orlando	574.9	595.3	594.5	27.9	29.5	32.5	4.9	5.0	5.5
Pensacola	145.5	147.0	145.5	10.1	9.4	10.0	6.9	6.4	6.8
Sarasota	122.6	124.5	123.8	4.9	4.5	5.6	4.0	3.6	4.5
Tallahassee	127.4	132.6	130.8	5.0	4.8	5.3	3.9	3.6	4.1
Tampa-St. Petersburg-Clearwater	988.2	1,001.6	999.2	50.5	48.4	53.9	5.1	4.8	5.4
West Palm Beach-Boca Raton-Delray Beach	419.0	437.0	437.6	20.5	24.9	24.7	4.9	5.7	5.7

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
Georgia	3,233.8	3,290.5	3,283.3	154.7	187.7	164.9	4.8	5.7	5.0
Athens	76.6	78.9	78.2	2.8	3.6	3.1	3.6	4.6	4.0
Allanta	1,519.9	1,563.2	1,560.8	64.8	87.8	70.8	4.3	5.6	4.5
Augusta	181.8	182.8	182.9	8.5	8.6	7.7	4.7	4.7	4.2
Columbus	102.5	103.0	103.2	5.7	5.6	5.5	5.6	5.5	5.3
Macon-Warner Robins	133.1	136.3	135.8	5.7	6.8	5.9	4.3	5.0	4.4
Savannah	113.7	114.7	115.6	5.7	5.5	5.2	5.0	4.8	4.5
Hawaii	517.1	527.6	523.0	14.6	14.7	13.5	2.8	2.8	2.6
Honolulu	381.9	390.4	387.2	9.4	10.2	8.9	2.5	2.6	2.3
Idaho	483.5	478.5	481.4	26.0	21.4	22.2	5.4	4.5	4.6
Boise City	111.5	109.8	111.7	3.8	3.4	3.8	3.4	3.1	3.4
Illinois ¹	5,796.2	5,978.5	5,907.5	359.9	378.1	362.2	6.2	6.3	6.1
Aurora-Elgin	183.0	191.0	189.9	9.9	11.2	11.5	5.4	5.9	6.1
Bloomington-Normal	70.5	74.6	74.6	3.9	3.5	4.2	5.6	4.6	5.6
Champaign-Urbana-Rantoul	90.3	93.2	92.6	3.8	3.6	4.2	4.2	3.9	4.5
Chicago	3,186.7	3,292.9	3,244.6	176.8	195.6	178.6	5.5	5.9	5.5
Davenport-Rock Island-Moline	181.1	180.7	178.2	13.0	12.5	11.3	7.2	6.9	6.3
Decatur	58.8	59.7	59.3	4.3	4.3	4.1	7.3	7.2	6.9
Joliet	194.3	198.9	196.2	13.4	14.9	13.9	6.9	7.5	7.1
Kankakee	43.5	45.3	44.7	3.6	3.6	3.4	8.2	8.0	7.7
Lake County	280.4	300.2	293.3	11.9	14.2	13.1	4.3	4.7	4.5
Peoria	156.3	160.0	158.7	9.8	9.8	9.9	6.3	6.1	6.2
Rockford	147.6	150.8	148.7	9.4	10.2	9.2	6.3	6.7	6.2
Springfield	110.0	111.2	110.2	5.7	5.5	5.7	5.2	4.9	5.2
Indiana	2,801.7	2,881.2	2,866.7	125.7	138.1	151.3	4.5	4.8	5.3
Anderson	59.3	60.4	60.7	2.8	3.4	3.9	4.7	5.6	6.4
Bloomington	62.0	67.1	65.9	1.9	1.8	2.6	3.0	2.8	4.0
Elkhart-Goshen	97.2	99.4	98.1	4.4	5.3	5.3	4.5	5.4	5.4
Evansville	142.2	147.0	145.1	6.2	8.1	7.6	4.4	5.5	5.2
Fort Wayne	199.4	205.8	204.3	8.2	10.0	10.7	4.1	4.9	5.2
Gary-Hammond	255.3	266.6	264.4	12.1	14.4	14.4	4.7	5.4	5.5
Indianapolis	674.3	692.3	693.7	25.9	26.9	31.7	3.8	3.9	4.6
Lafayette-West Lafayette	68.4	70.0	69.1	2.2	2.1	2.5	3.2	3.0	3.5
Muncie	60.7	61.9	61.7	2.8	3.0	3.3	4.5	4.8	5.3
South Bend-Mishawaka	132.4	137.1	136.0	5.6	6.4	6.8	4.2	4.7	5.0
Terre Haute	58.9	60.1	59.7	2.6	2.8	3.0	4.5	4.6	5.1
Iowa	1,509.9	1,513.1	1,488.4	60.0	63.3	57.0	4.0	4.2	3.8
Cedar Rapids	97.4	96.4	96.1	2.8	3.6	3.1	2.9	3.7	3.2
Des Moines	238.0	234.1	233.8	7.5	8.0	7.0	3.2	3.4	3.0
Dubuque	44.7	44.4	43.9	2.4	2.6	2.2	5.4	5.9	5.1
Sioux City	61.2	59.7	59.5	2.4	2.1	1.9	3.9	3.5	3.1
Waterloo-Cedar Falls	72.3	72.3	71.1	3.1	3.8	3.1	4.3	5.3	4.3
Kansas	1,278.6	1,267.9	1,263.1	61.0	49.4	46.7	4.8	3.9	3.7
Topeka	92.4	91.0	90.5	4.4	3.7	3.1	4.8	4.1	3.4
Wichita	257.7	258.6	257.7	11.6	10.3	8.9	4.5	4.0	3.5
Kentucky	1,689.3	1,761.5	1,756.0	113.3	91.6	95.9	6.7	5.2	5.5
Lexington-Fayette	195.0	207.9	208.4	8.2	6.7	8.9	4.2	3.2	4.3
Louisville	512.2	522.6	520.8	39.0	26.4	25.9	7.6	5.1	5.0
Owensboro	43.0	44.4	44.9	2.4	2.2	2.6	5.6	4.9	5.7
Louisiana	1,880.3	1,940.8	1,899.9	190.8	139.5	131.2	10.1	7.2	6.9
Alexandria	58.7	61.2	59.7	5.7	4.3	4.2	9.7	7.0	7.0
Baton Rouge	266.5	275.7	268.7	23.6	17.2	15.7	8.8	6.2	5.8
Houma-Thibodaux	69.1	71.4	69.4	6.8	4.4	4.4	9.8	6.2	6.3
Lafayette	97.8	102.2	100.0	8.5	5.9	5.7	8.7	5.8	5.7
Monroe	67.6	69.4	68.4	6.5	4.6	4.6	9.6	6.6	6.8
New Orleans	585.1	608.1	592.3	51.8	39.9	36.0	8.9	6.6	6.1
Shreveport	157.4	161.4	155.3	16.0	13.0	11.5	10.2	8.1	7.4
Maine	601.1	626.1	623.9	24.8	27.5	27.6	4.1	4.4	4.4
Lewiston-Auburn	42.8	43.9	43.7	2.0	2.5	2.4	4.7	5.8	5.6
Portland	131.3	136.8	135.7	2.8	3.4	3.6	2.1	2.5	2.6

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. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a	Dec. 1988	Nov. 1989	Dec. 1989 ^a
Maryland	2,472.4	2,560.8	2,559.8	93.4	91.0	87.7	3.8	3.6	3.4
Baltimore	1,189.2	1,223.4	1,224.0	50.9	48.3	43.9	4.3	3.9	3.6
Massachusetts ¹	3,127.2	3,133.4	3,133.5	93.9	126.9	130.5	3.0	4.0	4.2
Boston	1,551.5	1,540.0	1,539.3	39.3	52.7	53.3	2.5	3.4	3.5
Brockton	98.6	100.1	99.8	3.3	4.9	4.9	3.4	4.9	4.9
Fall River	76.6	76.1	76.5	3.9	4.8	5.4	5.0	6.3	7.1
Fitchburg-Leominster	46.7	46.8	46.9	1.9	2.4	2.6	4.0	5.2	5.4
Lawrence-Haverhill	185.1	190.3	189.1	6.5	11.1	10.3	3.5	5.8	5.5
Lowell	151.8	153.2	152.8	4.6	7.3	7.3	3.0	4.7	4.8
New Bedford	85.9	86.1	85.7	4.2	5.8	5.6	4.9	6.7	6.5
Pittsfield	39.8	40.5	40.5	1.7	1.7	1.8	4.2	4.1	4.4
Springfield	249.2	249.9	251.1	7.7	9.7	10.1	3.1	3.9	4.0
Worcester	224.2	228.7	230.6	5.9	8.9	9.2	2.6	3.9	4.0
Michigan ¹	4,638.3	4,736.5	4,723.1	328.6	327.2	338.4	7.1	6.9	7.2
Ann Arbor	166.7	171.5	171.3	5.3	6.8	7.3	3.2	4.0	4.3
Battle Creek	65.5	68.2	67.2	4.3	5.9	5.4	6.6	8.6	8.0
Benton Harbor	79.6	80.9	80.0	5.5	5.8	6.1	6.9	7.1	7.6
Detroit	2,231.9	2,248.3	2,253.4	153.9	144.5	156.7	6.9	6.4	7.0
Flint	188.1	193.9	191.8	19.6	22.4	16.3	10.4	11.6	8.5
Grand Rapids	372.9	381.7	381.6	22.2	20.9	22.5	5.9	5.5	5.9
Jackson	67.2	68.3	68.2	4.9	4.6	4.8	7.3	6.8	7.1
Kalamazoo	120.2	123.6	123.2	5.6	6.0	6.3	4.6	4.9	5.1
Lansing-East Lansing	246.7	258.5	253.0	13.3	17.0	14.3	5.4	6.6	5.7
Muskegon	69.4	69.3	69.1	6.3	5.9	6.3	9.0	8.5	9.1
Saginaw-Bay City-Midland	186.3	192.2	192.0	12.3	12.3	13.5	6.6	6.4	7.0
Minnesota	2,330.3	2,382.8	2,363.6	96.5	83.2	84.8	4.1	3.5	3.6
Duluth	104.6	108.7	106.9	5.5	4.9	4.6	5.3	4.5	4.3
Minneapolis-St. Paul	1,396.3	1,431.7	1,423.1	45.9	43.2	41.9	3.3	3.0	2.9
Rochester	62.0	63.4	62.9	1.9	1.6	1.6	3.1	2.4	2.5
St. Cloud	95.6	98.5	96.9	6.1	4.8	5.1	6.3	4.9	5.2
Mississippi	1,148.2	1,169.5	1,182.3	100.7	81.3	81.2	8.8	6.9	6.9
Jackson	200.1	206.3	208.7	11.6	9.9	9.1	5.8	4.8	4.4
Missouri	2,578.3	2,618.9	2,590.2	142.6	140.0	142.2	5.5	5.3	5.5
Kansas City	851.6	847.7	846.2	46.1	37.7	41.3	5.4	4.4	4.9
St. Louis LMA	1,259.3	1,267.0	1,256.8	67.7	69.8	67.2	5.4	5.5	5.3
Springfield	125.4	126.6	126.5	5.3	5.4	5.9	4.2	4.2	4.7
Montana	398.8	395.8	396.6	25.9	23.6	21.1	6.5	6.0	5.3
Nebraska	816.8	823.8	817.5	24.4	23.7	22.1	3.0	2.9	2.7
Lincoln	128.5	131.2	129.1	3.4	2.6	2.6	2.6	2.0	2.0
Omaha	331.2	331.2	329.3	10.0	10.4	9.3	3.0	3.1	2.8
Nevada	598.5	611.5	613.8	25.9	29.6	26.7	4.3	4.8	4.4
Las Vegas	350.9	361.8	364.9	15.0	17.5	15.4	4.3	4.8	4.2
Reno	142.5	141.6	141.8	5.9	6.3	6.2	4.1	4.4	4.4
New Hampshire	617.8	641.8	645.0	13.5	26.1	26.9	2.2	4.1	4.2
Manchester	87.6	89.0	89.2	1.7	3.1	3.6	1.9	3.5	4.0
Nashua	101.3	102.8	101.8	2.4	4.9	4.1	2.4	4.8	4.1
Portsmouth-Dover-Rochester	134.4	137.5	136.6	2.4	4.1	4.9	1.8	3.0	3.6
New Jersey ¹	4,013.1	4,037.8	4,027.5	158.9	189.5	139.2	4.0	4.7	3.5
Atlantic City	173.8	180.9	176.8	11.4	12.9	9.3	6.5	7.1	5.3
Bergen-Passaic	728.2	732.5	730.6	24.8	31.8	23.2	3.4	4.3	3.2
Jersey City	273.1	277.5	272.6	17.7	20.2	15.4	6.5	7.3	5.7
Middlesex-Somerset-Hunterdon	572.9	578.1	580.0	15.1	18.9	13.4	2.6	3.3	2.3
Monmouth-Ocean	476.8	486.3	485.4	17.5	20.7	15.5	3.7	4.3	3.2
Newark	960.4	963.2	959.3	37.4	46.2	33.0	3.9	4.8	3.4
Trenton	175.0	173.0	174.4	5.0	5.9	4.4	2.9	3.4	2.5
Vineland-Millville-Bridgeton	59.6	59.1	58.7	5.2	4.7	4.2	8.7	7.9	7.1
New Mexico	680.3	703.5	704.7	43.3	41.2	38.8	6.4	5.9	5.5
Albuquerque	262.9	268.3	267.3	12.6	13.0	11.6	4.8	4.8	4.4
Las Cruces	54.7	60.1	58.6	3.3	3.5	3.2	6.0	5.8	5.5
Santa Fe	64.6	67.9	68.2	2.7	2.4	2.5	4.2	3.5	3.7

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P	Dec. 1988	Nov. 1989	Dec. 1989 ^P
New York ¹	8,614.2	8,760.3	8,801.0	396.9	443.0	482.8	4.6	5.1	5.5
Albany-Schenectady-Troy	429.2	429.4	431.4	18.0	15.2	17.8	4.2	3.5	4.1
Binghamton	129.7	126.2	126.7	5.4	5.2	5.8	4.2	4.1	4.5
Buffalo	456.5	456.2	458.3	25.4	23.0	24.5	5.6	5.0	5.3
Elmira	42.8	43.5	44.1	1.8	2.1	2.3	4.2	4.9	5.2
Nassau-Suffolk	1,452.4	1,421.9	1,431.1	50.0	50.8	53.5	3.4	3.6	3.7
New York	3,928.1	4,111.8	4,131.5	182.0	243.3	263.1	4.6	5.9	6.4
New York City ¹	3,241.2	3,438.0	3,455.0	160.4	223.0	241.0	4.9	6.5	7.0
Orange County	136.7	135.2	135.2	6.0	6.3	6.4	4.4	4.6	4.7
Poughkeepsie	131.6	129.8	131.5	4.2	3.5	3.7	3.2	2.7	2.8
Rochester	515.4	508.0	506.3	22.0	19.4	21.3	4.3	3.8	4.2
Syracuse	321.4	320.1	321.7	15.2	13.2	15.3	4.7	4.1	4.8
Utica-Rome	137.8	137.4	137.5	7.6	6.2	7.3	5.5	4.5	5.3
North Carolina ¹	3,358.0	3,425.1	3,417.1	110.7	97.0	102.8	3.3	2.8	3.0
Asheville	88.9	90.1	91.0	2.3	2.1	2.2	2.6	2.4	2.4
Charlotte-Gastonia-Rock Hill	640.5	656.1	655.8	18.5	17.1	17.3	2.9	2.6	2.6
Greensboro-Winston-Salem-High Point	528.8	526.0	523.1	14.5	14.0	13.9	2.7	2.7	2.7
Raleigh-Durham	407.6	415.1	414.7	8.5	7.8	8.2	2.1	1.9	2.0
North Dakota	323.2	324.5	321.6	15.3	13.3	13.2	4.7	4.1	4.1
Bismarck	45.0	46.6	46.2	2.2	2.0	2.1	5.0	4.3	4.5
Fargo-Moorhead	85.9	87.7	86.8	2.4	2.0	2.3	2.8	2.3	2.7
Grand Forks	35.4	36.2	35.7	1.2	1.3	1.1	3.4	3.5	3.1
Ohio ¹	5,352.1	5,470.6	5,458.9	286.4	323.5	329.8	5.4	5.9	6.0
Akron	329.3	337.1	336.2	17.9	18.7	19.7	5.4	5.5	5.8
Canton	190.9	196.0	196.1	10.4	12.3	12.8	5.5	6.3	6.5
Cincinnati	768.8	805.2	807.9	32.7	37.0	38.1	4.3	4.6	4.7
Cleveland	939.6	955.2	953.9	45.2	50.6	51.1	4.8	5.3	5.4
Columbus	723.8	744.2	743.6	33.2	38.8	40.3	4.6	5.2	5.4
Dayton-Springfield	475.2	488.2	487.9	22.7	27.3	27.7	4.8	5.6	5.7
Toledo	313.6	324.9	321.5	16.6	21.3	20.7	5.3	6.6	6.4
Youngstown-Warren	224.0	228.1	226.7	16.9	16.0	15.6	7.5	7.0	6.9
Oklahoma	1,528.5	1,525.9	1,518.9	85.5	70.6	78.1	5.6	4.6	5.1
Enid	28.3	27.9	27.8	1.3	1.0	1.2	4.5	3.7	4.2
Lawton	48.6	49.4	49.1	2.4	2.0	2.1	4.9	4.0	4.2
Oklahoma City	496.7	493.9	490.6	23.7	19.4	21.7	4.8	3.9	4.4
Tulsa	340.7	346.9	345.6	19.5	17.1	17.6	5.7	4.9	5.1
Oregon	1,414.3	1,424.0	1,420.1	69.3	73.2	72.3	4.9	5.1	5.1
Eugene-Springfield	143.0	144.7	144.2	6.6	7.6	7.5	4.6	5.2	5.2
Portland	651.8	649.7	650.9	25.4	26.3	25.4	3.9	4.1	3.9
Salem	130.4	133.6	131.5	7.2	7.1	7.7	5.5	5.3	5.9
Pennsylvania ¹	5,806.4	5,942.6	5,898.4	244.4	303.4	290.1	4.2	5.1	4.9
Allentown-Bethlehem	330.3	337.6	334.7	12.8	18.1	16.4	3.9	5.4	4.9
Altoona	59.7	61.9	61.3	3.6	4.9	4.2	6.0	7.9	6.9
Beaver County	59.4	60.4	59.7	4.3	4.5	4.3	7.2	7.4	7.3
Erie	130.1	135.5	133.1	6.0	8.1	7.3	4.6	6.0	5.5
Harrisburg-Lebanon-Carlisle	319.8	334.5	328.1	10.3	16.4	12.8	3.2	4.9	3.9
Johnstown	94.2	98.0	96.8	5.7	8.2	7.6	6.1	8.4	7.9
Lancaster	220.7	228.1	223.8	7.1	10.1	8.6	3.2	4.4	3.8
Philadelphia	2,439.3	2,450.4	2,464.2	84.0	100.6	94.0	3.4	4.1	3.8
Pittsburgh	962.5	992.1	980.8	43.9	48.5	46.9	4.6	4.9	4.8
Reading	178.5	181.7	180.1	7.6	7.8	7.0	4.2	4.3	3.9
Scranton-Wilkes-Barre	359.3	368.5	363.8	18.4	23.1	23.4	5.1	6.3	6.4
Williamsport	59.3	62.0	61.1	3.2	4.1	4.1	5.4	6.6	6.7
York	221.3	225.5	224.2	8.6	10.1	10.2	3.9	4.5	4.5
Rhode Island	533.9	532.9	530.5	10.9	22.1	25.5	2.0	4.1	4.8
Pawtucket-Woonsocket-Attleboro	166.7	168.7	167.0	4.8	9.0	9.5	2.9	5.3	5.7
Providence	351.4	348.7	348.2	7.0	13.7	16.4	2.0	3.9	4.7
South Carolina	1,683.6	1,732.0	1,721.0	58.3	78.4	71.4	3.5	4.5	4.1
Charleston	230.9	239.0	238.5	6.8	8.4	7.1	2.9	3.5	3.0
Columbia	235.2	247.0	246.6	5.5	7.8	7.1	2.3	3.1	2.9
Greenville-Spartanburg	341.2	354.0	352.6	8.0	11.9	10.8	2.3	3.4	3.1
South Dakota	353.5	362.1	356.0	13.4	14.4	13.3	3.8	4.0	3.7
Rapid City	39.2	40.2	40.0	1.6	1.5	1.8	4.1	3.6	4.6
Sioux Falls	73.9	75.4	73.7	2.8	2.6	2.6	3.7	3.4	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. 1988	Nov. 1989	Dec. 1989 ^p	Dec. 1988	Nov. 1989	Dec. 1989 ^p	Dec. 1988	Nov. 1989	Dec. 1989 ^p
Tennessee	2,344.8	2,389.5	2,396.7	128.1	107.3	110.6	5.5	4.5	4.6
Chattanooga	213.7	217.2	216.3	10.6	10.2	9.3	5.0	4.7	4.3
Johnson City-Kingsport-Bristol	215.4	220.9	223.3	10.5	8.4	9.0	4.9	3.8	4.0
Knoxville	284.7	284.2	283.2	17.5	13.3	14.6	6.1	4.7	5.2
Memphis LMA	445.5	454.6	457.3	20.6	18.3	17.9	4.6	4.0	3.9
Nashville	520.9	519.9	522.1	19.6	18.1	18.1	3.8	3.5	3.5
Texas¹	8,265.9	8,327.1	8,200.7	515.2	575.3	479.0	6.2	6.9	5.8
Abilene	54.0	53.3	52.6	3.0	3.3	2.7	5.5	6.2	5.2
Amarillo	97.8	97.2	95.2	5.2	5.5	4.4	5.3	5.7	4.6
Austin	423.3	422.4	415.3	21.2	22.1	18.4	5.0	5.2	4.4
Beaumont-Port Arthur	161.6	163.0	159.8	14.1	14.3	11.9	8.7	8.7	7.4
Brazoria	82.7	84.2	82.8	5.4	6.0	4.9	6.5	7.2	5.9
Brownsville-Harlingen	97.5	101.3	98.4	10.5	12.9	10.6	10.7	12.7	10.8
Bryan-College Station	59.7	61.3	60.3	2.3	2.6	2.2	3.8	4.2	3.6
Corpus Christi	155.5	157.1	153.9	11.7	13.1	10.8	7.5	8.3	7.0
Dallas	1,447.4	1,453.7	1,432.8	70.3	80.0	65.6	4.9	5.5	4.6
El Paso	241.1	248.5	242.2	23.2	27.8	23.2	9.6	11.2	9.6
Fort Worth-Arlington	681.4	690.5	680.9	34.8	39.9	33.7	5.1	5.8	5.0
Galveston-Texas City	104.7	104.4	102.1	7.3	8.5	7.0	6.9	8.1	6.9
Houston	1,627.9	1,653.1	1,636.3	87.6	98.4	79.6	5.4	6.0	4.9
Killeen-Temple	95.2	96.3	94.6	6.8	7.6	6.2	7.1	7.9	6.6
Laredo	48.8	51.5	50.9	6.1	6.6	5.9	12.6	12.9	11.6
Longview-Marshall	78.7	79.1	77.8	6.0	6.5	5.4	7.6	8.2	7.0
Lubbock	115.4	115.8	115.2	6.0	5.4	4.9	5.2	4.6	4.3
McAllen-Edinburg-Mission	162.2	164.0	160.5	26.0	32.6	27.0	16.0	19.9	16.8
Midland	49.3	48.6	48.0	2.6	3.0	2.5	5.3	6.2	5.2
Odessa	52.5	51.1	50.0	3.5	3.9	3.1	6.7	7.6	6.2
San Angelo	45.1	44.5	43.4	2.4	2.8	2.3	5.4	6.4	5.4
San Antonio	606.3	606.8	596.6	40.2	45.6	38.2	6.6	7.5	6.4
Sherman-Denison	48.0	47.1	46.5	2.8	2.9	2.5	5.8	6.1	5.5
Texarkana	57.6	58.4	58.1	3.8	3.8	3.4	6.7	6.6	5.8
Tyler	74.5	74.5	73.5	4.8	5.0	4.1	6.5	6.7	5.6
Victoria	35.2	36.9	35.9	1.9	2.2	1.7	5.4	5.9	4.7
Waco	93.5	92.6	91.5	5.5	5.7	4.7	5.9	6.2	5.2
Wichita Falls	57.4	56.4	55.5	3.1	3.5	3.0	5.4	6.3	5.3
Utah	779.9	801.8	804.5	27.9	28.2	28.4	3.6	3.5	3.5
Provo-Orem	111.8	114.8	116.2	4.4	3.7	4.9	4.0	3.2	4.2
Salt Lake City-Ogden	508.7	525.8	525.9	16.5	17.4	16.6	3.3	3.3	3.2
Vermont	306.5	300.3	305.5	7.6	11.2	11.9	2.5	3.7	3.9
Burlington	76.1	74.6	75.4	1.5	2.0	2.3	2.0	2.6	3.1
Virginia	3,076.8	3,160.0	3,153.5	126.8	129.7	127.6	4.1	4.1	4.0
Charlottesville	68.2	66.6	67.6	1.9	1.5	2.5	2.8	2.2	3.6
Danville	52.3	53.9	54.7	3.5	3.5	4.6	6.7	6.5	8.4
Lynchburg	70.4	74.6	71.6	3.6	5.7	3.3	5.1	7.7	4.6
Norfolk-Virginia Beach-Newport News	605.9	617.1	619.5	29.2	30.1	33.4	4.8	4.9	5.4
Richmond-Petersburg	445.9	459.9	461.0	16.0	15.9	16.9	3.6	3.5	3.7
Roanoke	121.4	121.3	119.8	5.5	4.2	3.7	4.5	3.4	3.1
Washington	2,314.9	2,402.2	2,446.4	126.5	136.0	139.4	5.5	5.7	5.7
Seattle	1,053.8	1,096.3	1,121.3	41.7	43.5	44.4	4.0	4.0	4.0
West Virginia	733.5	769.3	765.7	60.4	62.0	61.3	8.2	8.1	8.0
Charleston	113.8	120.0	119.7	8.0	7.0	6.8	7.0	5.8	5.6
Huntington-Ashland	123.6	131.4	130.7	7.6	7.4	7.2	6.1	5.6	5.5
Parkersburg-Marietta	71.5	71.1	73.6	4.5	4.4	4.5	6.3	6.2	6.1
Wheeling	71.3	72.8	72.4	5.1	4.4	4.4	7.1	6.0	6.1
Wisconsin	2,593.8	2,631.0	2,619.8	96.5	107.1	112.2	3.7	4.1	4.3
Appleton-Oshkosh-Neenah	173.3	176.1	175.5	6.1	7.3	7.4	3.5	4.1	4.2
Eau Claire	74.1	76.0	75.2	2.8	3.5	3.2	3.8	4.6	4.3
Green Bay	107.9	112.5	112.9	3.8	4.1	4.2	3.6	3.7	3.7
Janesville-Beloit	74.6	74.5	73.6	2.5	3.5	3.2	3.3	4.7	4.3
Kenosha	56.9	53.6	53.4	2.0	3.7	3.5	3.6	6.9	6.5
La Crosse	59.2	61.4	60.5	1.9	2.1	2.1	3.2	3.5	3.5
Madison	226.1	230.1	227.0	5.8	6.7	6.5	2.5	2.9	2.9
Milwaukee	775.3	783.9	787.1	24.2	26.9	30.0	3.1	3.4	3.8
Racine	90.8	93.2	93.2	3.4	4.3	4.2	3.8	4.6	4.5
Wausau	61.8	63.9	64.0	2.3	2.5	2.8	3.7	3.9	4.3
Wyoming	231.8	224.3	227.4	16.2	13.0	13.3	7.0	5.8	5.9

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

² Not available.

^p = preliminary.

NOTE: Data refer to place of residence. Estimates for 1988 have been

benchmarked to 1988 Current Population Survey annual averages. Except in the 11 States and 2 areas designated by footnote 1, estimates for 1989 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,
1985–89

**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
Labor force, including resident Armed Forces, total												
1985	116,422	116,579	117,029	117,033	116,939	116,667	117,024	117,017	117,637	117,845	117,837	118,052
1986	118,352	118,585	118,898	119,029	119,233	119,770	119,823	119,843	120,099	120,256	120,377	120,365
1987	120,550	120,863	121,007	121,101	121,749	121,353	121,642	122,036	121,760	122,237	122,282	122,517
1988	122,665	122,887	122,664	123,027	122,829	123,221	123,372	123,766	123,710	123,852	124,215	124,346
1989	124,961	124,801	124,929	125,299	125,224	125,777	125,679	125,758	125,725	125,857	126,192	126,246
Labor force, including resident Armed Forces, men												
1985	65,695	65,665	65,819	65,944	65,912	65,810	65,963	65,986	66,178	66,313	66,214	66,197
1986	66,585	66,637	66,724	66,784	66,852	66,982	67,036	66,952	67,217	67,178	67,399	67,464
1987	67,541	67,609	67,548	67,591	67,874	67,621	67,684	67,908	67,834	67,995	68,008	68,102
1988	68,155	68,243	68,113	68,402	68,423	68,450	68,517	68,729	68,671	68,597	68,706	68,695
1989	68,936	69,033	69,100	69,293	69,142	69,542	69,366	69,404	69,360	69,599	69,635	69,725
Labor force, including resident Armed Forces, women												
1985	50,727	50,914	51,210	51,089	51,027	50,857	51,061	51,031	51,459	51,532	51,622	51,855
1986	51,767	51,948	52,174	52,245	52,381	52,788	52,787	52,891	52,882	53,078	52,978	52,901
1987	53,009	53,254	53,459	53,510	53,875	53,732	53,958	54,128	53,926	54,242	54,274	54,415
1988	54,510	54,644	54,551	54,625	54,406	54,771	54,855	55,037	55,039	55,255	55,509	55,651
1989	56,025	55,768	55,829	56,006	56,082	56,235	56,313	56,354	56,365	56,258	56,557	56,521
Civilian labor force, all civilian workers												
1985	114,725	114,876	115,328	115,331	115,234	114,965	115,320	115,291	115,905	116,145	116,135	116,354
1986	116,661	116,894	117,205	117,334	117,546	118,090	118,151	118,146	118,383	118,507	118,626	118,615
1987	118,802	119,123	119,271	119,366	120,023	119,635	119,922	120,300	120,017	120,496	120,527	120,767
1988	120,916	121,151	120,928	121,295	121,115	121,536	121,699	122,074	122,006	122,165	122,510	122,650
1989	123,265	123,117	123,245	123,615	123,551	124,111	124,013	124,070	124,023	124,148	124,488	124,546
Civilian labor force, men												
1985	64,146	64,111	64,266	64,391	64,356	64,258	64,409	64,412	64,598	64,762	64,662	64,648
1986	65,046	65,098	65,184	65,243	65,319	65,457	65,518	65,411	65,657	65,588	65,807	65,871
1987	65,950	66,025	65,973	66,016	66,308	66,062	66,123	66,333	66,253	66,415	66,415	66,513
1988	66,567	66,666	66,540	66,833	66,870	66,927	67,005	67,200	67,131	67,071	67,164	67,161
1989	67,404	67,512	67,579	67,772	67,631	68,041	67,867	67,885	67,829	68,066	68,106	68,200
Civilian labor force, women												
1985	50,579	50,765	51,062	50,940	50,878	50,707	50,911	50,879	51,307	51,383	51,473	51,706
1986	51,615	51,796	52,021	52,091	52,227	52,633	52,633	52,735	52,726	52,919	52,819	52,744
1987	52,852	53,098	53,298	53,350	53,715	53,573	53,799	53,967	53,764	54,081	54,112	54,254
1988	54,349	54,485	54,388	54,462	54,245	54,609	54,694	54,874	54,875	55,094	55,346	55,489
1989	55,861	55,605	55,666	55,843	55,920	56,070	56,146	56,185	56,194	56,082	56,382	56,346
Civilian labor force, both sexes, 16 to 19 years												
1985	8,036	8,020	8,062	7,958	7,966	7,680	8,013	7,714	7,818	7,889	7,852	7,826
1986	7,705	7,900	7,980	8,055	7,988	8,019	7,924	7,921	7,942	7,970	7,898	7,774
1987	7,860	7,983	7,948	7,931	8,068	7,825	7,913	8,201	7,935	8,066	8,003	8,102
1988	8,112	8,051	7,926	7,962	7,908	8,154	8,161	8,124	8,130	7,954	7,913	7,989
1989	8,019	7,908	7,901	7,968	7,896	8,018	7,892	8,001	7,894	7,949	7,980	7,889
Civilian labor force, men, 16 to 19 years												
1985	4,197	4,156	4,195	4,205	4,185	4,109	4,217	4,082	4,059	4,115	4,048	4,047
1986	3,937	4,077	4,068	4,166	4,175	4,157	4,146	4,122	4,162	4,103	4,094	3,966
1987	4,082	4,174	4,086	4,082	4,121	4,015	4,016	4,237	4,119	4,132	4,086	4,194
1988	4,188	4,111	4,085	4,118	4,129	4,241	4,251	4,229	4,216	4,103	4,124	4,113
1989	4,119	4,119	4,111	4,134	4,096	4,167	4,131	4,168	4,058	4,148	4,139	4,129
Civilian labor force, women, 16 to 19 years												
1985	3,839	3,864	3,867	3,753	3,781	3,571	3,796	3,632	3,759	3,774	3,804	3,779
1986	3,768	3,823	3,912	3,889	3,813	3,862	3,778	3,799	3,780	3,867	3,804	3,808
1987	3,778	3,809	3,862	3,849	3,947	3,810	3,897	3,964	3,816	3,934	3,917	3,908
1988	3,924	3,940	3,841	3,844	3,779	3,913	3,910	3,895	3,914	3,851	3,789	3,876
1989	3,900	3,789	3,790	3,834	3,800	3,851	3,761	3,833	3,836	3,801	3,841	3,760

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, both sexes, 20 years and over												
1985	106,689	106,856	107,266	107,373	107,268	107,285	107,307	107,577	108,087	108,256	108,283	108,528
1986	108,956	108,994	109,225	109,279	109,558	110,071	110,227	110,225	110,441	110,537	110,728	110,841
1987	110,942	111,140	111,323	111,435	111,955	111,810	112,009	112,099	112,082	112,430	112,524	112,665
1988	112,804	113,100	113,002	113,333	113,207	113,382	113,538	113,950	113,876	114,211	114,597	114,661
1989	115,246	115,209	115,344	115,647	115,655	116,093	116,121	116,069	116,129	116,199	116,508	116,657
Civilian labor force, men, 20 years and over												
1985	59,949	59,955	60,071	60,186	60,171	60,149	60,192	60,330	60,539	60,647	60,614	60,601
1986	61,109	61,021	61,116	61,077	61,144	61,300	61,372	61,289	61,495	61,485	61,713	61,905
1987	61,868	61,851	61,887	61,934	62,187	62,047	62,107	62,096	62,134	62,283	62,329	62,319
1988	62,379	62,555	62,455	62,715	62,741	62,686	62,754	62,971	62,915	62,968	63,040	63,048
1989	63,285	63,393	63,468	63,638	63,535	63,874	63,736	63,717	63,771	63,918	63,967	64,071
Civilian labor force, women, 20 years and over												
1985	46,740	46,901	47,195	47,187	47,097	47,136	47,115	47,247	47,548	47,609	47,669	47,927
1986	47,847	47,973	48,109	48,202	48,414	48,771	48,855	48,936	48,946	49,052	49,015	48,936
1987	49,074	49,289	49,436	49,501	49,768	49,763	49,902	50,003	49,948	50,147	50,195	50,346
1988	50,425	50,545	50,547	50,618	50,466	50,696	50,784	50,979	50,961	51,243	51,557	51,613
1989	51,961	51,816	51,876	52,009	52,120	52,219	52,385	52,352	52,358	52,281	52,541	52,586
Civilian labor force, both sexes, 20 to 24 years												
1985	15,897	15,827	15,764	15,793	15,747	15,683	15,628	15,591	15,697	15,721	15,651	15,672
1986	15,582	15,685	15,598	15,485	15,441	15,422	15,420	15,299	15,426	15,324	15,338	15,334
1987	15,345	15,269	15,185	15,109	15,062	14,926	14,958	14,918	14,875	14,733	14,721	14,619
1988	14,809	14,750	14,656	14,592	14,441	14,486	14,448	14,437	14,399	14,400	14,310	14,367
1989	14,354	14,270	14,299	14,291	14,164	14,356	14,308	14,249	14,021	13,966	13,974	13,837
Civilian labor force, men, 20 to 24 years												
1985	8,392	8,339	8,300	8,316	8,328	8,300	8,225	8,230	8,259	8,238	8,263	8,231
1986	8,268	8,287	8,283	8,167	8,090	8,116	8,150	8,034	8,137	8,093	8,096	8,122
1987	8,032	8,018	7,942	7,930	7,870	7,810	7,868	7,806	7,777	7,689	7,697	7,608
1988	7,709	7,660	7,659	7,640	7,607	7,565	7,567	7,578	7,560	7,560	7,534	7,496
1989	7,557	7,551	7,511	7,490	7,413	7,537	7,423	7,437	7,373	7,412	7,364	7,360
Civilian labor force, women, 20 to 24 years												
1985	7,505	7,488	7,464	7,477	7,419	7,383	7,403	7,361	7,438	7,483	7,388	7,441
1986	7,314	7,398	7,315	7,318	7,351	7,306	7,270	7,265	7,289	7,231	7,242	7,212
1987	7,313	7,251	7,243	7,179	7,192	7,116	7,090	7,112	7,098	7,044	7,024	7,011
1988	7,100	7,090	6,997	6,952	6,834	6,921	6,881	6,859	6,839	6,840	6,776	6,871
1989	6,797	6,719	6,788	6,801	6,751	6,819	6,885	6,812	6,648	6,554	6,610	6,477
Civilian labor force, both sexes, 25 years and over												
1985	90,811	91,033	91,552	91,587	91,441	91,648	91,706	91,959	92,414	92,506	92,630	92,838
1986	93,403	93,317	93,679	93,802	94,028	94,661	94,827	94,924	95,044	95,187	95,382	95,497
1987	95,648	95,885	96,174	96,312	96,799	96,850	97,073	97,204	97,243	97,687	97,789	98,039
1988	98,039	98,344	98,353	98,710	98,675	98,857	99,113	99,555	99,513	99,823	100,282	100,319
1989	100,922	100,924	101,020	101,309	101,413	101,697	101,832	101,878	102,143	102,266	102,533	102,836
Civilian labor force, men, 25 years and over												
1985	51,560	51,625	51,805	51,891	51,765	51,870	51,957	52,108	52,281	52,371	52,372	52,372
1986	52,855	52,744	52,873	52,927	52,969	53,184	53,208	53,275	53,362	53,363	53,639	53,792
1987	53,868	53,846	53,976	54,005	54,229	54,215	54,231	54,320	54,368	54,576	54,648	54,721
1988	54,700	54,893	54,811	55,066	55,054	55,091	55,185	55,426	55,369	55,405	55,523	55,572
1989	55,762	55,838	55,955	56,125	56,051	56,299	56,314	56,314	56,408	56,516	56,620	56,732
Civilian labor force, women, 25 years and over												
1985	39,251	39,408	39,747	39,696	39,676	39,778	39,749	39,851	40,133	40,135	40,258	40,466
1986	40,548	40,573	40,806	40,875	41,059	41,477	41,619	41,649	41,682	41,824	41,743	41,705
1987	41,780	42,039	42,198	42,307	42,570	42,635	42,842	42,884	42,875	43,111	43,141	43,318
1988	43,339	43,451	43,542	43,644	43,621	43,766	43,928	44,129	44,144	44,418	44,759	44,747
1989	45,160	45,086	45,065	45,184	45,362	45,398	45,518	45,564	45,735	45,750	45,913	46,104

**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												
1985	76,012	76,087	76,455	76,678	76,493	76,759	76,860	77,091	77,566	77,568	77,760	78,006
1986	78,535	78,511	78,817	78,985	79,122	79,598	79,738	79,916	80,166	80,356	80,480	80,646
1987	80,785	81,034	81,259	81,481	81,826	81,806	82,065	82,191	82,272	82,531	82,640	82,852
1988	82,983	83,179	83,350	83,595	83,748	83,798	84,129	84,462	84,433	84,676	85,039	85,055
1989	85,557	85,633	85,723	85,960	86,095	86,250	86,450	86,632	86,871	86,968	87,282	87,424
Civilian labor force, men, 25 to 54 years												
1985	42,807	42,817	42,901	43,082	42,996	43,071	43,182	43,269	43,433	43,505	43,552	43,605
1986	44,041	44,030	44,104	44,164	44,181	44,405	44,449	44,524	44,635	44,629	44,863	44,945
1987	45,107	45,089	45,141	45,213	45,334	45,353	45,423	45,483	45,560	45,688	45,728	45,821
1988	45,903	46,041	46,053	46,277	46,259	46,235	46,405	46,552	46,612	46,632	46,807	46,795
1989	46,960	47,018	47,143	47,234	47,251	47,383	47,461	47,529	47,674	47,748	47,905	47,965
Civilian labor force, women, 25 to 54 years												
1985	33,205	33,270	33,554	33,596	33,497	33,688	33,678	33,822	34,133	34,063	34,208	34,401
1986	34,494	34,481	34,713	34,821	34,941	35,193	35,289	35,392	35,531	35,727	35,617	35,701
1987	35,678	35,945	36,118	36,268	36,492	36,453	36,642	36,708	36,712	36,843	36,912	37,031
1988	37,080	37,138	37,297	37,318	37,489	37,563	37,724	37,910	37,821	38,044	38,232	38,260
1989	38,597	38,615	38,580	38,726	38,844	38,867	38,989	39,103	39,197	39,220	39,377	39,459
Civilian labor force, both sexes, 25 to 34 years												
1985	33,193	33,202	33,312	33,431	33,347	33,469	33,562	33,566	33,975	33,832	33,809	33,907
1986	34,232	34,191	34,388	34,453	34,450	34,664	34,647	34,711	34,813	34,772	34,965	34,884
1987	34,919	35,005	35,092	35,211	35,243	35,231	35,311	35,372	35,227	35,310	35,393	35,429
1988	35,417	35,445	35,436	35,467	35,471	35,436	35,458	35,562	35,478	35,553	35,624	35,684
1989	35,789	35,741	35,747	35,832	35,835	35,851	35,941	35,865	36,109	35,959	36,083	36,035
Civilian labor force, men, 25 to 34 years												
1985	18,663	18,660	18,664	18,787	18,746	18,765	18,815	18,836	18,939	18,950	18,927	18,950
1986	19,322	19,277	19,325	19,332	19,265	19,395	19,385	19,420	19,459	19,377	19,560	19,550
1987	19,598	19,571	19,576	19,634	19,684	19,674	19,651	19,677	19,625	19,692	19,710	19,717
1988	19,733	19,730	19,681	19,754	19,655	19,621	19,717	19,754	19,806	19,809	19,838	19,815
1989	19,844	19,817	19,896	19,941	19,889	19,934	19,930	19,898	19,980	19,876	19,944	19,906
Civilian labor force, women, 25 to 34 years												
1985	14,530	14,542	14,648	14,644	14,601	14,704	14,747	14,730	15,036	14,882	14,882	14,957
1986	14,910	14,914	15,063	15,121	15,185	15,269	15,262	15,291	15,354	15,395	15,405	15,334
1987	15,321	15,434	15,516	15,577	15,559	15,557	15,660	15,695	15,602	15,618	15,683	15,712
1988	15,684	15,715	15,755	15,713	15,816	15,815	15,741	15,808	15,672	15,744	15,786	15,869
1989	15,945	15,924	15,851	15,991	15,946	15,917	16,011	15,967	16,129	16,063	16,139	16,129
Civilian labor force, both sexes, 35 to 44 years												
1985	25,581	25,582	25,782	25,853	25,916	26,056	26,055	26,162	26,238	26,415	26,571	26,623
1986	26,635	26,733	26,848	26,945	27,066	27,181	27,314	27,450	27,543	27,657	27,625	27,812
1987	27,981	28,089	28,178	28,246	28,411	28,393	28,537	28,568	28,699	28,791	28,775	28,819
1988	28,894	28,954	29,107	29,226	29,276	29,344	29,483	29,637	29,670	29,784	29,946	29,869
1989	30,128	30,282	30,291	30,318	30,477	30,541	30,636	30,785	30,714	30,871	30,953	31,132
Civilian labor force, men, 35 to 44 years												
1985	14,304	14,294	14,367	14,412	14,448	14,470	14,502	14,548	14,610	14,656	14,717	14,733
1986	14,767	14,809	14,843	14,879	14,933	14,997	15,056	15,109	15,165	15,223	15,259	15,317
1987	15,444	15,442	15,448	15,447	15,489	15,534	15,617	15,640	15,697	15,743	15,744	15,770
1988	15,790	15,841	15,884	15,978	16,057	16,057	16,112	16,201	16,191	16,225	16,271	16,264
1989	16,352	16,463	16,477	16,457	16,535	16,575	16,607	16,632	16,710	16,788	16,881	16,932
Civilian labor force, women, 35 to 44 years												
1985	11,277	11,288	11,415	11,441	11,468	11,586	11,553	11,614	11,628	11,759	11,854	11,890
1986	11,868	11,924	12,005	12,066	12,133	12,184	12,258	12,341	12,378	12,434	12,366	12,495
1987	12,537	12,647	12,730	12,799	12,922	12,859	12,920	12,928	13,002	13,048	13,031	13,049
1988	13,104	13,113	13,223	13,248	13,219	13,287	13,371	13,436	13,479	13,559	13,675	13,605
1989	13,776	13,819	13,814	13,861	13,942	13,966	14,029	14,153	14,004	14,083	14,072	14,200

**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												
1985	17,238	17,303	17,361	17,394	17,230	17,234	17,243	17,363	17,353	17,321	17,380	17,476
1986	17,668	17,587	17,581	17,587	17,606	17,753	17,777	17,755	17,810	17,927	17,890	17,950
1987	17,885	17,940	17,989	18,024	18,172	18,182	18,217	18,251	18,346	18,430	18,472	18,604
1988	18,672	18,780	18,807	18,902	19,001	19,018	19,188	19,263	19,285	19,339	19,469	19,502
1989	19,640	19,610	19,685	19,810	19,783	19,858	19,873	19,982	20,048	20,138	20,246	20,257
Civilian labor force, men, 45 to 54 years												
1985	9,840	9,863	9,870	9,883	9,802	9,836	9,865	9,885	9,884	9,899	9,908	9,922
1986	9,952	9,944	9,936	9,953	9,983	10,013	10,008	9,995	10,011	10,029	10,044	10,078
1987	10,065	10,076	10,117	10,132	10,161	10,145	10,155	10,166	10,238	10,253	10,274	10,334
1988	10,380	10,470	10,488	10,545	10,547	10,557	10,576	10,597	10,615	10,598	10,698	10,716
1989	10,764	10,738	10,770	10,836	10,827	10,874	10,924	10,999	10,984	11,084	11,080	11,127
Civilian labor force, women, 45 to 54 years												
1985	7,398	7,440	7,491	7,511	7,428	7,398	7,378	7,478	7,469	7,422	7,472	7,554
1986	7,716	7,643	7,645	7,634	7,623	7,740	7,769	7,760	7,799	7,898	7,846	7,872
1987	7,820	7,864	7,872	7,892	8,011	8,037	8,062	8,085	8,108	8,177	8,198	8,270
1988	8,292	8,310	8,319	8,357	8,454	8,461	8,612	8,666	8,670	8,741	8,771	8,786
1989	8,876	8,872	8,915	8,974	8,956	8,984	8,949	8,983	9,064	9,054	9,166	9,130
Civilian labor force, both sexes, 55 years and over												
1985	14,861	14,886	15,069	14,948	14,890	14,901	14,833	14,913	14,871	14,931	14,839	14,827
1986	14,904	14,758	14,829	14,848	14,902	15,061	15,066	15,040	14,912	14,828	14,892	14,823
1987	14,883	14,800	14,907	14,861	15,002	15,033	15,001	15,038	15,006	15,142	15,153	15,141
1988	15,049	15,125	15,010	15,135	14,983	15,010	14,962	15,099	15,110	15,133	15,261	15,207
1989	15,333	15,261	15,318	15,372	15,391	15,385	15,394	15,253	15,290	15,282	15,280	15,343
Civilian labor force, men, 55 years and over												
1985	8,791	8,777	8,890	8,816	8,740	8,828	8,768	8,833	8,855	8,865	8,805	8,759
1986	8,855	8,699	8,759	8,769	8,777	8,786	8,755	8,725	8,736	8,735	8,779	8,834
1987	8,795	8,753	8,843	8,798	8,890	8,851	8,811	8,811	8,819	8,886	8,930	8,889
1988	8,824	8,851	8,778	8,790	8,792	8,803	8,777	8,836	8,772	8,771	8,735	8,766
1989	8,819	8,826	8,834	8,892	8,804	8,851	8,861	8,755	8,749	8,768	8,735	8,755
Civilian labor force, women, 55 years and over												
1985	6,070	6,109	6,179	6,132	6,150	6,073	6,065	6,080	6,016	6,066	6,034	6,068
1986	6,049	6,059	6,070	6,079	6,125	6,275	6,311	6,315	6,176	6,093	6,113	5,989
1987	6,088	6,047	6,064	6,063	6,112	6,182	6,190	6,227	6,187	6,256	6,223	6,252
1988	6,225	6,274	6,232	6,345	6,191	6,207	6,185	6,263	6,338	6,362	6,526	6,441
1989	6,514	6,435	6,484	6,480	6,587	6,534	6,533	6,498	6,541	6,514	6,545	6,588
Civilian labor force, both sexes, 55 to 64 years												
1985	11,974	11,979	12,103	12,018	12,009	12,035	11,992	12,040	11,957	11,986	11,923	11,867
1986	11,862	11,768	11,838	11,840	11,888	12,009	12,015	12,021	11,895	11,890	11,883	11,810
1987	11,881	11,811	11,850	11,866	11,933	11,898	11,835	11,803	11,846	11,952	11,945	11,906
1988	11,824	11,869	11,778	11,860	11,746	11,707	11,741	11,852	11,840	11,830	11,792	11,834
1989	11,933	11,836	11,882	11,866	11,864	11,964	11,944	11,832	11,899	11,859	11,895	11,882
Civilian labor force, men, 55 to 64 years												
1985	7,065	7,042	7,100	7,073	7,019	7,118	7,089	7,087	7,062	7,070	7,032	6,966
1986	6,977	6,868	6,930	6,945	6,961	6,957	6,949	6,953	6,961	6,989	6,976	6,996
1987	6,992	6,951	6,997	6,957	6,997	6,930	6,918	6,843	6,897	6,939	6,961	6,910
1988	6,909	6,912	6,863	6,872	6,849	6,788	6,809	6,869	6,804	6,792	6,739	6,763
1989	6,789	6,775	6,787	6,799	6,767	6,844	6,833	6,755	6,816	6,774	6,776	6,739
Civilian labor force, women, 55 to 64 years												
1985	4,909	4,937	5,003	4,945	4,990	4,917	4,903	4,953	4,895	4,916	4,891	4,901
1986	4,885	4,900	4,908	4,895	4,927	5,052	5,066	5,068	4,934	4,901	4,907	4,814
1987	4,889	4,860	4,853	4,909	4,936	4,968	4,917	4,960	4,949	5,013	4,984	4,996
1988	4,915	4,957	4,915	4,988	4,897	4,919	4,932	4,983	5,036	5,038	5,053	5,071
1989	5,144	5,061	5,095	5,067	5,097	5,120	5,111	5,077	5,083	5,085	5,119	5,143

**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												
1985	2,887	2,907	2,966	2,930	2,881	2,866	2,841	2,873	2,914	2,945	2,916	2,960
1986	3,042	2,990	2,991	3,008	3,014	3,052	3,051	3,019	3,017	2,938	3,009	3,013
1987	3,002	2,989	3,057	2,995	3,069	3,135	3,166	3,235	3,160	3,190	3,208	3,235
1988	3,225	3,256	3,232	3,275	3,237	3,303	3,221	3,247	3,270	3,303	3,469	3,373
1989	3,400	3,425	3,436	3,506	3,527	3,421	3,450	3,421	3,391	3,423	3,385	3,461
Civilian labor force, men, 65 years and over												
1985	1,726	1,735	1,790	1,743	1,721	1,710	1,679	1,746	1,793	1,795	1,773	1,793
1986	1,878	1,831	1,829	1,824	1,816	1,829	1,806	1,772	1,775	1,746	1,803	1,838
1987	1,803	1,802	1,846	1,841	1,893	1,921	1,893	1,968	1,922	1,947	1,969	1,979
1988	1,915	1,939	1,915	1,918	1,943	2,015	1,968	1,967	1,968	1,979	1,996	2,003
1989	2,030	2,051	2,047	2,093	2,037	2,007	2,028	2,000	1,933	1,994	1,959	2,016
Civilian labor force, women, 65 years and over												
1985	1,161	1,172	1,176	1,187	1,160	1,156	1,162	1,127	1,121	1,150	1,143	1,167
1986	1,164	1,159	1,162	1,184	1,198	1,223	1,245	1,247	1,242	1,192	1,206	1,175
1987	1,199	1,187	1,211	1,154	1,176	1,214	1,273	1,267	1,238	1,243	1,239	1,256
1988	1,310	1,317	1,317	1,357	1,294	1,288	1,253	1,280	1,302	1,324	1,473	1,370
1989	1,370	1,374	1,389	1,413	1,490	1,414	1,422	1,421	1,458	1,429	1,426	1,445
Civilian labor force, white workers												
1985	99,299	99,508	99,841	99,759	99,729	99,598	99,748	99,746	100,283	100,560	100,481	100,616
1986	100,874	101,065	101,231	101,259	101,502	102,021	102,074	102,123	102,263	102,372	102,463	102,504
1987	102,558	102,732	102,834	102,872	103,551	103,156	103,276	103,554	103,422	103,773	103,695	103,947
1988	104,080	104,382	104,159	104,432	104,383	104,736	104,656	105,065	105,116	105,127	105,450	105,454
1989	105,999	105,760	105,926	106,208	106,152	106,474	106,384	106,485	106,393	106,618	106,834	106,896
Civilian labor force, white men												
1985	56,244	56,225	56,355	56,454	56,466	56,464	56,461	56,435	56,583	56,762	56,656	56,612
1986	56,946	56,978	57,014	57,029	57,096	57,267	57,232	57,213	57,405	57,347	57,579	57,631
1987	57,649	57,683	57,631	57,575	57,902	57,709	57,646	57,811	57,776	57,954	57,902	58,007
1988	58,061	58,117	58,065	58,162	58,242	58,322	58,359	58,523	58,498	58,418	58,530	58,499
1989	58,752	58,740	58,864	58,940	58,828	59,099	58,976	59,028	58,943	59,169	59,193	59,226
Civilian labor force, white women												
1985	43,055	43,283	43,486	43,305	43,263	43,134	43,287	43,311	43,700	43,798	43,825	44,004
1986	43,928	44,087	44,217	44,230	44,406	44,754	44,842	44,910	44,858	45,025	44,884	44,873
1987	44,909	45,049	45,203	45,297	45,649	45,447	45,630	45,743	45,646	45,819	45,793	45,940
1988	46,019	46,265	46,094	46,270	46,141	46,414	46,297	46,542	46,618	46,709	46,920	46,955
1989	47,247	47,020	47,062	47,268	47,324	47,375	47,408	47,457	47,450	47,449	47,641	47,670
Civilian labor force, white workers, 16 to 19 years												
1985	6,956	6,965	6,982	6,870	6,889	6,689	6,871	6,647	6,783	6,857	6,817	6,784
1986	6,682	6,867	6,874	6,918	6,900	6,922	6,805	6,858	6,894	6,942	6,910	6,783
1987	6,846	6,926	6,904	6,877	7,040	6,790	6,796	6,962	6,820	6,909	6,865	6,983
1988	7,040	6,977	6,859	6,908	6,819	7,113	6,984	6,957	7,014	6,866	6,849	6,893
1989	6,949	6,781	6,821	6,850	6,815	6,854	6,691	6,858	6,730	6,785	6,798	6,680
Civilian labor force, white men, 16 to 19 years												
1985	3,636	3,597	3,625	3,638	3,637	3,581	3,623	3,488	3,501	3,584	3,511	3,502
1986	3,436	3,521	3,490	3,569	3,569	3,601	3,543	3,547	3,614	3,578	3,583	3,457
1987	3,549	3,618	3,551	3,524	3,590	3,494	3,442	3,572	3,537	3,557	3,509	3,615
1988	3,652	3,562	3,560	3,559	3,511	3,663	3,610	3,595	3,615	3,521	3,566	3,575
1989	3,592	3,523	3,556	3,566	3,548	3,555	3,513	3,585	3,478	3,543	3,517	3,479
Civilian labor force, white women, 16 to 19 years												
1985	3,320	3,368	3,357	3,232	3,252	3,108	3,248	3,159	3,282	3,273	3,306	3,282
1986	3,246	3,346	3,384	3,349	3,331	3,321	3,262	3,311	3,280	3,364	3,327	3,326
1987	3,297	3,308	3,353	3,353	3,450	3,296	3,354	3,390	3,283	3,352	3,356	3,368
1988	3,388	3,415	3,299	3,349	3,308	3,450	3,374	3,362	3,399	3,345	3,283	3,318
1989	3,357	3,258	3,265	3,284	3,267	3,299	3,178	3,273	3,252	3,242	3,281	3,201

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, white workers, 20 years and over												
1985	92,343	92,543	92,859	92,889	92,840	92,909	92,877	93,099	93,500	93,703	93,664	93,832
1986	94,192	94,198	94,357	94,341	94,602	95,099	95,269	95,265	95,369	95,430	95,553	95,721
1987	95,712	95,806	95,930	95,995	96,511	96,366	96,480	96,592	96,602	96,864	96,830	96,964
1988	97,040	97,405	97,300	97,524	97,564	97,623	97,672	98,108	98,102	98,261	98,601	98,561
1989	99,050	98,979	99,105	99,358	99,337	99,620	99,693	99,627	99,663	99,833	100,036	100,216
Civilian labor force, white men, 20 years and over												
1985	52,608	52,628	52,730	52,816	52,829	52,883	52,838	52,947	53,082	53,178	53,145	53,110
1986	53,510	53,457	53,524	53,460	53,527	53,666	53,689	53,666	53,791	53,769	53,996	54,174
1987	54,100	54,065	54,080	54,051	54,312	54,215	54,204	54,239	54,239	54,397	54,393	54,392
1988	54,409	54,555	54,505	54,603	54,731	54,659	54,749	54,928	54,883	54,897	54,964	54,924
1989	55,160	55,217	55,308	55,374	55,280	55,544	55,463	55,443	55,465	55,626	55,676	55,747
Civilian labor force, white women, 20 years and over												
1985	39,735	39,915	40,129	40,073	40,011	40,026	40,039	40,152	40,418	40,525	40,519	40,722
1986	40,682	40,741	40,833	40,881	41,075	41,433	41,580	41,599	41,578	41,661	41,557	41,547
1987	41,612	41,741	41,850	41,944	42,199	42,151	42,276	42,353	42,363	42,467	42,437	42,572
1988	42,631	42,850	42,795	42,921	42,833	42,964	42,923	43,180	43,219	43,364	43,637	43,637
1989	43,890	43,762	43,797	43,984	44,057	44,076	44,230	44,184	44,198	44,207	44,360	44,469
Civilian labor force, black workers												
1985	12,301	12,278	12,284	12,346	12,339	12,329	12,363	12,330	12,406	12,417	12,458	12,544
1986	12,517	12,499	12,645	12,729	12,755	12,777	12,615	12,526	12,675	12,736	12,712	12,682
1987	12,763	12,859	12,858	12,808	12,911	12,934	13,046	13,162	13,039	13,162	13,166	13,180
1988	13,154	13,114	13,105	13,140	13,111	13,037	13,276	13,261	13,205	13,308	13,319	13,407
1989	13,447	13,443	13,429	13,336	13,454	13,569	13,548	13,476	13,518	13,507	13,576	13,522
Civilian labor force, black men												
1985	6,172	6,193	6,159	6,177	6,184	6,175	6,223	6,229	6,289	6,292	6,257	6,305
1986	6,334	6,312	6,382	6,384	6,433	6,433	6,391	6,287	6,372	6,402	6,373	6,399
1987	6,426	6,423	6,433	6,430	6,476	6,454	6,531	6,575	6,497	6,502	6,542	6,537
1988	6,539	6,557	6,528	6,605	6,608	6,562	6,576	6,625	6,597	6,657	6,631	6,652
1989	6,675	6,681	6,681	6,636	6,650	6,739	6,709	6,686	6,691	6,718	6,751	6,755
Civilian labor force, black women												
1985	6,129	6,085	6,125	6,169	6,155	6,154	6,140	6,101	6,117	6,125	6,201	6,239
1986	6,183	6,187	6,263	6,345	6,322	6,344	6,224	6,239	6,303	6,334	6,339	6,283
1987	6,337	6,436	6,425	6,378	6,435	6,480	6,515	6,587	6,542	6,660	6,624	6,643
1988	6,615	6,557	6,577	6,535	6,503	6,475	6,700	6,636	6,608	6,651	6,688	6,755
1989	6,772	6,762	6,748	6,700	6,804	6,830	6,839	6,790	6,827	6,789	6,825	6,767
Civilian labor force, black workers, 16 to 19 years												
1985	900	885	891	896	909	846	934	871	864	905	875	895
1986	902	892	937	943	926	936	845	819	869	872	826	836
1987	868	886	868	865	865	860	860	979	918	953	928	928
1988	885	858	842	842	904	853	916	930	916	902	902	906
1989	892	923	885	894	904	962	953	916	919	937	956	967
Civilian labor force, black men, 16 to 19 years												
1985	476	455	465	473	460	450	497	485	477	486	452	480
1986	461	474	483	481	508	469	454	430	448	440	412	434
1987	465	451	447	452	441	432	449	525	464	470	479	480
1988	460	424	416	441	498	473	493	484	484	496	487	471
1989	466	494	462	448	441	533	500	488	452	484	504	511
Civilian labor force, black women, 16 to 19 years												
1985	424	430	426	423	449	396	437	386	387	419	423	415
1986	441	418	454	462	418	467	391	389	421	432	414	402
1987	403	435	421	413	424	428	411	454	454	483	449	448
1988	425	434	426	401	406	380	423	446	432	406	415	435
1989	426	429	423	446	463	429	453	428	467	453	452	456

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force, black workers, 20 years and over												
1985	11,401	11,393	11,393	11,450	11,430	11,483	11,429	11,459	11,542	11,512	11,583	11,649
1986	11,615	11,607	11,708	11,786	11,829	11,841	11,770	11,707	11,806	11,864	11,886	11,846
1987	11,895	11,973	11,990	11,943	12,046	12,074	12,186	12,183	12,121	12,209	12,238	12,252
1988	12,269	12,256	12,263	12,298	12,207	12,184	12,360	12,331	12,289	12,406	12,417	12,501
1989	12,555	12,520	12,544	12,442	12,550	12,607	12,595	12,560	12,599	12,570	12,620	12,555
Civilian labor force, black men, 20 years and over												
1985	5,696	5,738	5,694	5,704	5,724	5,725	5,726	5,744	5,812	5,806	5,805	5,825
1986	5,873	5,838	5,899	5,903	5,925	5,964	5,937	5,857	5,924	5,962	5,961	5,965
1987	5,961	5,972	5,986	5,978	6,035	6,022	6,082	6,050	6,033	6,032	6,063	6,057
1988	6,079	6,133	6,112	6,164	6,110	6,089	6,083	6,141	6,113	6,161	6,144	6,181
1989	6,209	6,187	6,219	6,188	6,209	6,206	6,209	6,198	6,239	6,234	6,247	6,244
Civilian labor force, black women, 20 years and over												
1985	5,705	5,655	5,699	5,746	5,706	5,758	5,703	5,715	5,730	5,706	5,778	5,824
1986	5,742	5,769	5,809	5,883	5,904	5,877	5,833	5,850	5,882	5,902	5,925	5,881
1987	5,934	6,001	6,004	5,965	6,011	6,052	6,104	6,133	6,088	6,177	6,175	6,195
1988	6,190	6,123	6,151	6,134	6,097	6,095	6,277	6,190	6,176	6,245	6,273	6,320
1989	6,346	6,333	6,325	6,254	6,341	6,401	6,386	6,362	6,360	6,336	6,373	6,311
Civilian labor force, Hispanic-origin workers												
1985	7,488	7,561	7,623	7,587	7,609	7,651	7,732	7,822	7,873	7,862	7,774	7,787
1986	7,761	7,887	7,933	7,956	7,982	8,087	8,159	8,150	8,216	8,221	8,221	8,331
1987	8,386	8,397	8,404	8,476	8,552	8,457	8,441	8,560	8,594	8,678	8,746	8,773
1988	8,868	8,970	8,813	8,844	8,854	9,020	8,985	8,960	9,086	9,103	9,157	9,135
1989	9,211	9,192	9,201	9,288	9,359	9,289	9,403	9,361	9,342	9,339	9,424	9,495
Civilian labor force, married men, spouse present												
1985	41,198	41,133	41,214	41,109	40,870	40,831	40,896	40,917	40,982	41,033	41,030	40,988
1986	41,256	41,210	41,188	41,290	41,493	41,507	41,508	41,537	41,523	41,613	41,794	41,867
1987	41,741	41,656	41,725	41,727	41,777	41,769	41,884	41,901	41,986	42,140	42,223	42,117
1988	41,796	41,855	41,820	41,745	41,702	41,755	41,796	42,008	41,892	41,883	41,865	41,858
1989	42,082	42,160	42,197	42,188	42,169	42,243	42,317	42,031	42,051	42,109	42,182	42,332
Civilian labor force, married women, spouse present												
1985	27,598	27,601	27,826	27,698	27,583	27,636	27,745	27,811	28,225	28,288	28,347	28,392
1986	28,440	28,181	28,258	28,265	28,406	28,724	28,862	28,835	28,827	28,915	28,904	28,937
1987	29,084	29,148	29,183	29,325	29,541	29,474	29,520	29,455	29,384	29,431	29,490	29,628
1988	29,653	29,830	29,864	29,827	29,686	29,835	29,869	30,061	30,043	30,069	30,162	30,215
1989	30,678	30,426	30,567	30,793	30,781	30,666	30,686	30,434	30,671	30,752	30,928	30,897
Civilian labor force, women who maintain families												
1985	6,177	6,203	6,217	6,286	6,348	6,374	6,290	6,320	6,250	6,087	6,166	6,244
1986	6,292	6,363	6,403	6,432	6,426	6,447	6,461	6,499	6,564	6,539	6,613	6,576
1987	6,573	6,543	6,589	6,626	6,628	6,689	6,662	6,736	6,749	6,751	6,766	6,730
1988	6,729	6,705	6,672	6,682	6,555	6,654	6,719	6,806	6,799	6,895	6,894	6,960
1989	6,947	6,937	6,808	6,791	6,921	6,953	7,042	6,923	6,966	6,889	6,919	6,905

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												
1985	65.0	65.0	65.2	65.2	65.1	64.9	65.0	65.0	65.2	65.3	65.2	65.3
1986	65.3	65.3	65.4	65.5	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	65.9	66.1	66.0	66.1
1988	66.1	66.2	66.0	66.2	66.0	66.2	66.2	66.4	66.3	66.3	66.4	66.5
1989	66.7	66.6	66.6	66.8	66.7	66.9	66.8	66.8	66.7	66.7	66.9	66.8
Labor force participation rate, including resident Armed Forces, men												
1985	76.7	76.6	76.7	76.8	76.7	76.5	76.7	76.6	76.8	76.8	76.7	76.6
1986	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.6	76.8	76.6	76.8	76.8
1987	76.7	76.7	76.6	76.6	76.8	76.5	76.4	76.6	76.5	76.6	76.5	76.6
1988	76.6	76.6	76.4	76.7	76.6	76.6	76.6	76.8	76.7	76.5	76.6	76.5
1989	76.7	76.7	76.8	76.9	76.7	77.1	76.8	76.8	76.7	76.9	76.9	76.9
Labor force participation rate, including resident Armed Forces, women												
1985	54.3	54.4	54.7	54.5	54.4	54.2	54.4	54.3	54.7	54.7	54.8	55.0
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	55.8	55.9	56.2	56.0	56.2	56.3	56.0	56.3	56.3	56.4
1988	56.5	56.6	56.4	56.5	56.2	56.5	56.6	56.7	56.7	56.9	57.1	57.2
1989	57.5	57.2	57.2	57.4	57.4	57.5	57.6	57.6	57.5	57.4	57.6	57.6
Civilian labor force participation rate, all civilian workers												
1985	64.7	64.7	64.9	64.9	64.8	64.6	64.7	64.6	64.9	65.0	64.9	65.0
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	65.3	65.5	65.5	65.5	65.8	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	65.9	65.9	66.0	66.0	66.0	66.1	66.2
1989	66.4	66.3	66.3	66.5	66.4	66.6	66.5	66.5	66.4	66.4	66.6	66.5
Civilian labor force participation rate, men												
1985	76.3	76.2	76.3	76.4	76.3	76.1	76.2	76.2	76.3	76.4	76.2	76.1
1986	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.1	76.3	76.2	76.4	76.4
1987	76.3	76.3	76.2	76.1	76.4	76.0	76.0	76.2	76.1	76.2	76.1	76.2
1988	76.1	76.2	76.0	76.2	76.2	76.2	76.2	76.4	76.3	76.1	76.2	76.1
1989	76.3	76.3	76.4	76.5	76.3	76.7	76.4	76.4	76.3	76.5	76.5	76.5
Civilian labor force participation rate, women												
1985	54.2	54.4	54.6	54.5	54.4	54.1	54.3	54.2	54.6	54.6	54.7	54.9
1986	54.7	54.9	55.1	55.1	55.2	55.6	55.5	55.6	55.5	55.6	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	56.2	56.3
1988	56.4	56.5	56.4	56.4	56.1	56.5	56.5	56.7	56.6	56.8	57.0	57.1
1989	57.4	57.1	57.2	57.3	57.3	57.5	57.5	57.5	57.5	57.3	57.6	57.5
Civilian labor force participation rate, both sexes, 16 to 19 years												
1985	55.0	54.9	55.3	54.7	55.0	53.0	55.5	53.4	54.1	54.5	54.3	54.1
1986	53.3	54.6	55.1	55.6	55.2	55.4	54.8	54.6	54.8	54.9	54.3	53.4
1987	54.0	54.9	54.6	54.5	55.3	53.5	54.1	56.0	54.2	55.0	54.6	55.5
1988	55.6	55.2	54.3	54.5	54.2	56.1	56.2	56.1	56.2	55.0	54.8	55.3
1989	55.6	55.0	55.2	55.7	55.5	56.4	55.6	56.5	55.7	56.3	56.6	56.1
Civilian labor force participation rate, men, 16 to 19 years												
1985	57.3	56.9	57.4	57.7	57.5	56.4	58.1	56.3	56.0	56.8	55.8	55.7
1986	54.4	56.3	56.0	57.3	57.4	57.1	57.0	56.6	57.2	56.3	56.0	54.3
1987	55.9	57.2	55.9	55.8	56.3	54.6	54.7	57.6	55.9	56.1	55.4	57.2
1988	57.2	56.2	55.7	56.2	56.3	56.0	56.0	57.9	57.9	56.5	56.9	56.7
1989	57.1	57.2	57.3	57.7	57.4	58.3	57.9	58.6	56.9	56.4	58.2	56.2
Civilian labor force participation rate, women, 16 to 19 years												
1985	52.7	53.0	53.2	51.6	52.4	49.6	52.8	50.5	52.2	52.3	52.7	52.4
1986	52.2	52.9	54.1	53.9	52.9	53.7	52.5	52.6	52.3	53.4	52.5	52.5
1987	52.1	52.6	53.3	53.1	54.3	52.4	53.5	54.4	52.5	53.9	53.7	53.7
1988	54.0	54.2	52.9	52.9	52.1	54.2	54.2	54.2	54.4	53.5	52.7	53.9
1989	54.2	52.8	53.0	53.8	53.6	54.5	53.3	54.4	54.6	54.2	55.0	54.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 20 years and over												
1985	65.5	65.6	65.8	65.8	65.6	65.6	65.5	65.6	65.9	65.8	65.9	65.9
1986	65.9	65.9	66.0	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.4	66.4
1987	66.3	66.4	66.4	66.4	66.7	66.5	66.6	66.6	66.5	66.7	66.7	66.7
1988	66.7	66.8	66.7	66.8	66.7	66.7	66.7	66.9	66.8	66.9	67.1	67.1
1989	67.3	67.2	67.2	67.3	67.3	67.4	67.4	67.3	67.3	67.3	67.4	67.4
Civilian labor force participation rate, men, 20 years and over												
1985	78.1	78.0	78.1	78.2	78.1	78.0	77.9	78.0	78.2	78.3	78.1	78.0
1986	78.2	78.1	78.1	78.0	78.0	78.1	78.1	77.9	78.1	78.0	78.2	78.4
1987	78.2	78.1	78.0	78.0	78.2	78.0	78.0	77.9	77.9	78.0	78.0	77.9
1988	77.9	78.0	77.8	78.1	78.0	77.8	77.9	78.1	77.9	77.9	77.9	77.8
1989	78.0	78.0	78.0	78.2	77.9	78.3	78.0	77.9	78.0	78.0	78.0	78.1
Civilian labor force participation rate, women, 20 years and over												
1985	54.3	54.5	54.8	54.7	54.5	54.5	54.4	54.5	54.8	54.8	54.9	55.1
1986	54.9	55.0	55.1	55.2	55.4	55.7	55.8	55.8	55.8	55.8	55.7	55.6
1987	55.7	55.9	56.0	56.0	56.3	56.2	56.3	56.4	56.3	56.4	56.4	56.6
1988	56.6	56.7	56.6	56.7	56.5	56.6	56.7	56.9	56.8	57.1	57.4	57.4
1989	57.7	57.5	57.5	57.6	57.6	57.7	57.8	57.7	57.7	57.5	57.8	57.8
Civilian labor force participation rate, both sexes, 20 to 24 years												
1985	78.2	78.0	77.9	78.1	78.0	77.9	77.6	77.8	78.6	78.9	78.8	79.1
1986	78.5	79.2	79.1	78.6	78.5	78.7	78.8	78.6	79.4	78.9	79.3	79.7
1987	79.8	79.5	79.3	79.0	79.1	78.5	78.9	79.0	78.8	78.4	78.7	78.3
1988	79.5	79.3	78.9	78.8	78.2	78.3	78.3	78.6	78.7	78.7	78.3	78.9
1989	78.8	78.6	78.8	79.0	78.3	79.4	79.5	79.2	78.3	78.0	78.3	77.5
Civilian labor force participation rate, men, 20 to 24 years												
1985	85.1	84.6	84.5	84.7	85.0	84.9	84.2	84.7	85.4	85.4	85.9	85.7
1986	85.8	86.3	86.6	85.4	84.6	85.1	85.7	85.0	86.2	85.9	86.5	87.1
1987	86.1	86.2	85.5	85.5	85.2	84.8	85.5	85.3	85.1	84.6	85.0	84.0
1988	85.4	85.0	85.0	85.2	85.0	84.4	84.8	85.3	85.4	85.2	85.0	84.9
1989	85.4	85.6	85.3	85.0	84.3	85.9	85.2	85.4	85.1	85.3	85.2	85.1
Civilian labor force participation rate, women, 20 to 24 years												
1985	71.7	71.7	71.7	71.8	71.4	71.2	71.5	71.3	72.2	72.9	72.1	72.8
1986	71.6	72.5	72.0	72.2	72.7	72.6	72.3	72.5	72.9	72.3	72.6	72.7
1987	73.8	73.3	73.5	72.9	73.3	72.6	72.7	73.0	72.9	72.6	72.8	72.9
1988	73.9	74.1	73.0	72.8	71.7	72.5	72.3	72.3	72.4	72.6	72.0	73.2
1989	72.6	71.9	72.8	73.2	72.5	73.2	74.1	73.5	71.9	71.1	71.9	70.3
Civilian labor force participation rate, both sexes, 25 years and over												
1985	63.7	63.8	64.1	64.0	63.8	63.9	63.8	63.9	64.1	64.1	64.1	64.1
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	65.1	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	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.1	66.2
Civilian labor force participation rate, men, 25 years and over												
1985	77.1	77.1	77.2	77.2	77.0	77.0	77.0	77.1	77.2	77.2	77.1	77.0
1986	77.2	76.9	77.0	77.0	77.0	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	77.2	77.2	77.1
1988	76.9	77.1	76.9	77.2	77.1	77.0	77.0	77.2	77.0	77.0	77.0	77.0
1989	77.1	77.1	77.2	77.3	77.1	77.3	77.2	77.1	77.1	77.2	77.2	77.3
Civilian labor force participation rate, women, 25 years and over												
1985	52.0	52.1	52.5	52.3	52.2	52.3	52.2	52.2	52.5	52.4	52.5	52.7
1986	52.7	52.7	52.9	52.9	53.1	53.5	53.6	53.6	53.6	53.7	53.5	53.4
1987	53.4	53.7	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	54.6	54.7	54.6	54.7	54.9	55.0	55.0	55.3	55.6	55.5
1989	56.0	55.8	55.7	55.8	55.9	55.9	56.0	56.0	56.1	56.0	56.2	56.3

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												
1985	81.3	81.2	81.4	81.5	81.2	81.3	81.3	81.4	81.8	81.6	81.6	81.7
1986	81.7	81.6	81.8	81.8	81.8	82.1	82.1	82.1	82.3	82.3	82.3	82.3
1987	82.2	82.3	82.4	82.5	82.7	82.5	82.6	82.6	82.6	82.7	82.6	82.7
1988	82.6	82.7	82.7	82.8	82.8	82.7	82.9	83.1	82.9	83.0	83.2	83.1
1989	83.4	83.3	83.2	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.7	83.7
Civilian labor force participation rate, men, 25 to 54 years												
1985	94.0	93.9	93.9	94.1	93.8	93.8	93.9	93.9	94.1	94.0	93.9	93.8
1986	93.9	93.8	93.8	93.8	93.7	93.9	93.8	93.8	93.9	93.7	93.9	93.9
1987	94.0	93.8	93.7	93.7	93.7	93.6	93.6	93.6	93.6	93.7	93.6	93.6
1988	93.5	93.6	93.6	93.8	93.6	93.3	93.5	93.6	93.6	93.5	93.7	93.5
1989	93.6	93.5	93.6	93.7	93.5	93.6	93.6	93.6	93.7	93.7	93.9	93.9
Civilian labor force participation rate, women, 25 to 54 years												
1985	69.2	69.2	69.6	69.6	69.3	69.5	69.4	69.5	70.1	69.8	70.0	70.2
1986	70.1	70.0	70.3	70.4	70.6	70.9	70.9	71.0	71.2	71.5	71.2	71.2
1987	71.0	71.4	71.6	71.7	72.1	71.9	72.1	72.1	72.0	72.2	72.1	72.3
1988	72.2	72.2	72.4	72.3	72.5	72.5	72.7	72.9	72.7	72.9	73.2	73.2
1989	73.6	73.5	73.3	73.4	73.6	73.5	73.6	73.7	73.8	73.7	73.9	73.9
Civilian labor force participation rate, both sexes, 25 to 34 years												
1985	82.3	82.3	82.4	82.6	82.2	82.3	82.3	82.2	83.2	82.7	82.6	82.8
1986	82.6	82.5	82.8	82.9	82.8	83.0	82.8	82.9	83.1	83.0	83.4	83.1
1987	82.9	83.0	83.1	83.4	83.4	83.3	83.4	83.5	83.2	83.3	83.4	83.5
1988	83.3	83.3	83.3	83.4	83.4	83.2	83.1	83.3	83.1	83.3	83.4	83.6
1989	83.7	83.5	83.5	83.7	83.6	83.6	83.7	83.6	84.2	83.9	84.2	84.1
Civilian labor force participation rate, men, 25 to 34 years												
1985	94.8	94.8	94.5	95.0	94.6	94.5	94.6	94.6	95.0	94.7	94.7	94.6
1986	94.8	94.6	94.7	94.6	94.3	94.6	94.4	94.5	94.6	94.2	94.9	94.8
1987	94.8	94.6	94.5	94.6	94.7	94.6	94.5	94.5	94.3	94.6	94.6	94.6
1988	94.6	94.5	94.2	94.5	94.0	93.8	94.0	94.1	94.3	94.5	94.6	94.4
1989	94.5	94.3	94.5	94.6	94.2	94.4	94.2	94.2	94.7	94.4	94.7	94.5
Civilian labor force participation rate, women, 25 to 34 years												
1985	70.5	70.5	70.8	70.8	70.3	70.6	70.7	70.5	71.9	71.1	71.1	71.4
1986	70.7	70.8	71.4	71.5	71.6	71.8	71.7	71.7	71.9	72.2	72.3	71.8
1987	71.5	71.9	72.2	72.6	72.4	72.3	72.7	72.9	72.4	72.5	72.7	72.8
1988	72.5	72.6	72.8	72.7	73.1	73.0	72.6	72.8	72.2	72.5	72.7	73.1
1989	73.3	73.1	72.9	73.1	73.3	73.2	73.6	73.4	74.1	73.8	74.0	74.1
Civilian labor force participation rate, both sexes, 35 to 44 years												
1985	82.9	82.6	83.0	83.0	83.0	83.2	83.1	83.1	83.0	83.3	83.4	83.3
1986	83.2	83.2	83.3	83.4	83.5	83.7	83.9	84.0	84.0	84.1	83.7	83.9
1987	84.2	84.3	84.3	84.2	84.5	84.2	84.3	84.3	84.5	84.5	84.2	84.1
1988	84.2	84.1	84.5	84.5	84.5	84.5	84.8	84.9	84.8	84.8	85.1	84.6
1989	85.1	85.3	85.1	84.9	85.1	85.1	85.1	85.1	84.7	84.9	84.8	85.1
Civilian labor force participation rate, men, 35 to 44 years												
1985	95.3	94.9	95.1	95.2	95.1	95.1	95.1	95.0	94.9	95.0	94.9	94.7
1986	94.8	94.6	94.6	94.7	94.6	94.9	94.9	94.9	94.8	94.9	94.8	94.7
1987	95.3	94.9	94.7	94.5	94.4	94.4	94.6	94.6	94.7	94.6	94.3	94.2
1988	94.1	94.2	94.3	94.6	94.7	94.6	94.7	94.9	94.6	94.5	94.5	94.2
1989	94.4	94.7	94.7	94.4	94.6	94.7	94.5	94.2	94.4	94.4	94.5	94.6
Civilian labor force participation rate, women, 35 to 44 years												
1985	71.2	71.0	71.5	71.4	71.4	72.0	71.7	71.9	71.7	72.3	72.5	72.4
1986	72.2	72.3	72.6	72.7	73.0	73.1	73.4	73.7	73.8	73.8	73.1	73.7
1987	73.7	74.2	74.4	74.5	75.0	74.5	74.6	74.5	74.7	74.9	74.5	74.5
1988	74.7	74.5	75.1	74.9	74.6	74.9	75.2	75.4	75.3	75.6	76.1	75.5
1989	76.3	76.3	75.9	75.8	76.1	76.0	76.2	76.5	75.5	75.8	75.5	76.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, both sexes, 45 to 54 years												
1985	77.1	77.4	77.6	77.7	77.0	76.9	76.9	77.4	77.4	77.2	77.3	77.6
1986	78.1	77.7	77.7	77.7	77.7	78.1	78.2	78.0	78.2	78.5	78.2	78.4
1987	78.0	78.1	78.2	78.1	78.7	78.6	78.6	78.6	78.7	78.8	78.8	79.2
1988	79.1	79.3	79.2	79.2	79.4	79.2	79.7	79.9	79.8	79.8	80.2	80.1
1989	80.5	80.0	80.0	80.4	80.2	80.4	80.2	80.6	80.6	80.8	81.0	80.8
Civilian labor force participation rate, men, 45 to 54 years												
1985	91.0	91.1	91.2	91.1	90.5	90.7	90.9	91.2	91.2	91.2	91.2	91.1
1986	91.0	90.9	90.9	90.9	91.1	91.0	91.1	91.0	91.2	90.9	90.9	91.0
1987	90.6	90.6	91.0	90.8	91.0	90.7	90.6	90.6	90.8	90.7	90.7	90.8
1988	90.8	91.3	91.2	91.3	91.1	90.8	90.7	90.7	90.7	90.3	90.9	90.8
1989	91.0	90.6	90.6	91.0	90.7	90.8	91.0	91.5	91.1	91.8	91.5	91.6
Civilian labor force participation rate, women, 45 to 54 years												
1985	64.1	64.5	64.8	65.0	64.4	64.0	63.7	64.5	64.5	64.0	64.4	64.9
1986	66.0	65.4	65.4	65.3	65.2	66.0	66.1	65.9	66.2	66.8	66.4	66.6
1987	66.1	66.4	66.3	66.3	67.2	67.3	67.3	67.4	67.4	67.7	67.7	68.2
1988	68.2	68.1	67.9	67.9	68.5	68.4	69.4	69.7	69.5	69.9	70.1	70.1
1989	70.5	70.1	70.2	70.5	70.4	70.5	70.1	70.4	70.7	70.4	71.2	70.7
Civilian labor force participation rate, both sexes, 55 years and over												
1985	30.4	30.4	30.8	30.5	30.3	30.4	30.2	30.3	30.2	30.3	30.1	30.0
1986	30.2	29.9	30.0	30.0	30.1	30.4	30.4	30.4	30.1	29.9	30.0	29.8
1987	29.9	29.7	29.9	29.8	30.1	30.1	30.0	30.1	30.0	30.3	30.3	30.2
1988	30.0	30.1	29.9	30.2	29.9	29.9	29.8	30.0	30.0	30.1	30.3	30.2
1989	30.4	30.3	30.4	30.5	30.5	30.4	30.4	30.1	30.2	30.1	30.1	30.2
Civilian labor force participation rate, men, 55 years and over												
1985	41.1	41.0	41.5	41.2	40.8	41.2	40.8	41.1	41.1	41.1	40.8	40.6
1986	41.0	40.3	40.5	40.5	40.5	40.6	40.4	40.2	40.2	40.2	40.4	40.6
1987	40.3	40.1	40.5	40.3	40.6	40.4	40.2	40.2	40.2	40.5	40.6	40.4
1988	40.1	40.2	39.9	39.9	39.9	40.0	39.8	40.1	39.7	39.7	39.5	39.6
1989	39.8	39.8	39.8	40.1	39.7	39.8	39.9	39.4	39.3	39.3	39.2	39.3
Civilian labor force participation rate, women, 55 years and over												
1985	22.0	22.2	22.4	22.2	22.3	22.0	21.9	22.0	21.7	21.9	21.7	21.8
1986	21.8	21.9	21.9	21.9	22.0	22.5	22.7	22.7	22.2	21.9	21.9	21.4
1987	21.8	21.6	21.7	21.7	21.8	22.1	22.1	22.2	22.0	22.3	22.1	22.2
1988	22.1	22.3	22.1	22.5	22.0	22.0	21.9	22.2	22.5	22.5	23.1	22.8
1989	23.0	22.8	22.9	22.9	23.3	23.0	23.0	22.9	23.0	22.9	23.0	23.2
Civilian labor force participation rate, both sexes, 55 to 64 years												
1985	54.0	54.1	54.6	54.3	54.2	54.3	54.2	54.4	54.0	54.1	53.9	53.7
1986	53.7	53.3	53.6	53.7	54.0	54.6	54.7	54.7	54.1	54.1	54.1	53.8
1987	54.2	53.8	54.1	54.3	54.6	54.5	54.3	54.1	54.4	54.9	54.8	54.7
1988	54.4	54.7	54.3	54.8	54.3	54.1	54.3	54.8	54.7	54.7	54.6	54.9
1989	55.3	55.1	55.5	55.4	55.5	55.9	55.8	55.3	55.6	55.4	55.7	55.8
Civilian labor force participation rate, men, 55 to 64 years												
1985	68.0	67.8	68.3	68.2	67.6	68.5	68.3	68.2	67.9	68.0	67.6	67.0
1986	67.1	66.2	66.8	67.1	67.4	67.5	67.4	67.3	67.4	67.7	67.6	67.9
1987	67.8	67.4	67.9	67.7	68.2	67.6	67.5	66.7	67.4	67.7	67.9	67.5
1988	67.5	67.6	67.2	67.4	67.2	66.7	66.8	67.4	66.8	66.7	66.3	66.7
1989	66.8	66.9	67.2	67.4	67.2	67.9	67.7	66.9	67.5	67.0	67.3	67.1
Civilian labor force participation rate, women, 55 to 64 years												
1985	41.7	42.0	42.5	42.1	42.4	41.8	41.8	42.2	41.7	41.9	41.7	41.8
1986	41.7	41.9	41.9	41.8	42.1	43.2	43.4	43.5	42.3	42.1	42.2	41.4
1987	42.1	41.8	41.8	42.4	42.6	42.9	42.6	43.0	42.9	43.5	43.2	43.3
1988	42.7	43.1	42.9	43.6	42.8	43.0	43.1	43.6	44.0	44.1	44.2	44.5
1989	45.1	44.6	45.0	44.8	45.0	45.2	45.2	44.9	44.9	45.0	45.4	45.7

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												
1985	10.8	10.8	11.1	10.9	10.7	10.6	10.5	10.6	10.7	10.8	10.7	10.9
1986	11.2	11.0	11.0	11.0	11.0	11.1	11.1	11.0	10.9	10.6	10.9	10.8
1987	10.8	10.7	10.9	10.7	10.9	11.2	11.2	11.5	11.2	11.3	11.3	11.4
1988	11.3	11.4	11.3	11.5	11.3	11.6	11.3	11.3	11.4	11.5	12.0	11.7
1989	11.8	11.8	11.8	12.1	12.1	11.7	11.8	11.7	11.6	11.7	11.5	11.7
Civilian labor force participation rate, men, 65 years and over												
1985	15.7	15.8	16.3	15.8	15.6	15.5	15.1	15.7	16.1	16.1	15.9	16.0
1986	16.8	16.3	16.2	16.1	16.0	16.1	15.9	15.6	15.5	15.3	15.8	16.0
1987	15.7	15.7	16.0	15.9	16.3	16.5	16.2	16.9	16.4	16.6	16.8	16.9
1988	16.3	16.5	16.2	16.2	16.4	17.0	16.6	16.6	16.5	16.6	16.7	16.7
1989	16.9	17.0	17.0	17.3	16.8	16.5	16.7	16.5	15.9	16.4	16.0	16.4
Civilian labor force participation rate, women, 65 years and over												
1985	7.4	7.4	7.4	7.5	7.3	7.3	7.3	7.1	7.0	7.2	7.1	7.3
1986	7.3	7.2	7.2	7.4	7.4	7.6	7.7	7.7	7.7	7.3	7.4	7.2
1987	7.3	7.3	7.4	7.0	7.2	7.4	7.7	7.7	7.5	7.5	7.5	7.6
1988	7.9	7.9	7.9	8.1	7.7	7.7	7.5	7.6	7.8	7.9	8.7	8.1
1989	8.1	8.1	8.2	8.3	8.8	8.3	8.3	8.3	8.5	8.3	8.3	8.4
Civilian labor force participation rate, white workers												
1985	64.9	65.0	65.1	65.0	65.0	64.8	64.9	64.8	65.1	65.3	65.2	65.2
1986	65.2	65.2	65.3	65.3	65.4	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	65.8	65.9	65.8	66.0	65.9	66.0
1988	66.0	66.2	66.0	66.1	66.1	66.2	66.1	66.4	66.4	66.3	66.5	66.4
1989	66.7	66.5	66.6	66.8	66.7	66.8	66.7	66.8	66.7	66.8	66.9	66.9
Civilian labor force participation rate, white men												
1985	76.9	76.9	77.0	77.1	77.1	77.0	76.9	76.8	77.0	77.2	76.9	76.8
1986	76.9	76.9	76.9	76.8	76.9	77.0	76.9	76.8	77.0	76.9	77.1	77.1
1987	77.0	77.0	76.9	76.7	77.1	76.8	76.6	76.8	76.7	76.9	76.8	76.8
1988	76.8	76.8	76.7	76.8	76.9	76.9	76.9	77.1	77.0	76.8	76.9	76.8
1989	77.1	77.0	77.1	77.2	77.0	77.3	77.1	77.1	77.0	77.2	77.2	77.2
Civilian labor force participation rate, white women												
1985	53.8	54.1	54.3	54.0	53.9	53.7	53.9	53.9	54.3	54.4	54.4	54.6
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	55.1	55.3	55.4	55.5	55.9	55.6	55.8	55.9	55.7	55.9	55.8	56.0
1988	56.1	56.3	56.1	56.3	56.1	56.4	56.2	56.5	56.5	56.6	56.8	56.9
1989	57.2	56.9	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4
Civilian labor force participation rate, white workers, 16 to 19 years												
1985	58.0	58.2	58.5	57.6	57.9	56.3	57.9	56.0	57.2	57.8	57.5	57.2
1986	56.3	57.9	58.0	58.2	58.1	58.3	57.3	57.7	58.0	58.4	58.1	57.1
1987	57.5	58.2	57.8	57.6	58.9	58.8	58.8	58.2	57.1	57.8	57.5	58.7
1988	59.2	58.7	57.7	58.1	57.4	59.9	58.9	58.8	59.4	58.3	58.3	58.8
1989	59.5	58.2	58.7	59.1	58.9	59.3	58.0	59.6	58.7	59.4	59.7	58.9
Civilian labor force participation rate, white men, 16 to 19 years												
1985	60.3	59.8	60.4	60.7	60.8	59.8	60.7	58.4	58.6	60.0	58.8	58.6
1986	57.6	59.1	58.5	59.7	59.7	60.2	59.3	59.3	60.4	59.7	59.8	57.8
1987	59.3	60.4	59.0	58.6	59.6	57.9	57.0	59.2	58.7	59.1	58.3	60.3
1988	61.0	59.5	59.4	59.4	58.6	61.2	60.3	60.2	60.7	59.3	60.2	60.5
1989	61.0	60.0	60.7	61.0	60.9	60.9	60.3	61.8	60.1	61.5	61.2	60.8
Civilian labor force participation rate, white women, 16 to 19 years												
1985	55.7	56.6	56.5	54.5	55.0	52.6	55.1	53.6	55.7	55.6	56.1	55.7
1986	55.0	56.7	57.4	56.8	56.5	56.3	55.3	56.1	55.6	57.0	56.3	56.3
1987	55.7	55.9	56.6	56.6	58.2	55.6	56.5	57.2	55.4	56.6	56.7	57.0
1988	57.4	57.9	55.9	56.8	56.2	58.6	57.4	57.3	58.1	57.3	56.4	57.1
1989	57.9	56.3	56.6	57.1	56.9	57.6	55.6	57.4	57.3	57.3	58.2	56.9

**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, white workers, 20 years and over												
1985	65.4	65.5	65.7	65.7	65.6	65.6	65.5	65.6	65.8	65.9	65.8	65.9
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	66.5	66.6
1988	66.6	66.8	66.7	66.8	66.8	66.7	66.7	67.0	66.9	67.0	67.1	67.1
1989	67.3	67.2	67.2	67.4	67.3	67.4	67.4	67.3	67.3	67.4	67.4	67.5
Civilian labor force participation rate, white men, 20 years and over												
1985	78.4	78.4	78.5	78.6	78.5	78.5	78.4	78.5	78.6	78.7	78.6	78.4
1986	78.6	78.4	78.5	78.3	78.4	78.5	78.4	78.3	78.5	78.4	78.6	78.8
1987	78.6	78.4	78.4	78.3	78.6	78.4	78.3	78.3	78.3	78.4	78.3	78.3
1988	78.2	78.3	78.2	78.3	78.4	78.2	78.3	78.5	78.4	78.3	78.4	78.2
1989	78.4	78.4	78.5	78.5	78.3	78.7	78.5	78.4	78.3	78.5	78.5	78.5
Civilian labor force participation rate, white women, 20 years and over												
1985	53.7	53.9	54.1	54.0	53.9	53.8	53.8	53.9	54.2	54.3	54.3	54.5
1986	54.4	54.4	54.5	54.5	54.7	55.2	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	55.8	55.9	55.8	55.9
1988	55.9	56.2	56.1	56.2	56.1	56.2	56.1	56.4	56.4	56.6	56.9	56.8
1989	57.1	56.9	56.9	57.1	57.2	57.2	57.3	57.2	57.2	57.1	57.3	57.4
Civilian labor force participation rate, black workers												
1985	63.0	62.8	62.8	63.0	62.9	62.8	62.8	62.6	62.9	62.8	63.0	63.3
1986	63.1	62.9	63.6	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	63.2	63.6	63.6	64.0	64.5	63.8	64.4	64.3	64.3
1988	64.0	63.8	63.6	63.7	63.5	63.0	64.1	64.0	63.6	64.0	64.0	64.3
1989	64.4	64.3	64.2	63.6	64.1	64.6	64.4	64.0	64.1	64.0	64.2	63.9
Civilian labor force participation rate, black men												
1985	70.7	70.9	70.4	70.5	70.5	70.3	70.8	70.7	71.3	71.2	70.7	71.1
1986	71.3	70.9	71.6	71.6	72.0	71.9	71.3	70.1	70.9	71.1	70.7	70.8
1987	71.0	70.9	70.8	70.7	71.1	70.7	71.5	71.9	70.9	70.9	71.2	71.1
1988	71.0	71.0	70.6	71.4	71.3	70.6	70.7	71.1	70.8	71.3	71.0	71.1
1989	71.2	71.2	71.1	70.5	70.6	71.4	71.0	70.7	70.7	70.9	71.1	71.1
Civilian labor force participation rate, black women												
1985	56.8	56.3	56.6	56.9	56.7	56.6	56.4	56.0	56.1	56.1	56.7	56.9
1986	56.5	56.4	57.0	57.7	57.4	57.6	56.4	56.4	56.9	57.1	57.1	56.5
1987	56.9	57.7	57.5	57.0	57.5	57.8	58.0	58.6	58.1	59.1	58.7	58.7
1988	58.4	57.8	57.9	57.5	57.1	56.8	58.7	58.1	57.8	58.1	58.3	58.8
1989	58.9	58.7	58.5	58.0	58.8	59.0	59.0	58.5	58.8	58.4	58.6	58.0
Civilian labor force participation rate, black workers, 16 to 19 years												
1985	41.3	40.7	41.1	41.4	42.1	39.2	43.3	40.4	40.1	42.1	40.7	41.7
1986	42.1	41.7	43.9	44.1	43.4	43.9	39.7	38.4	40.6	40.7	38.5	39.0
1987	40.5	41.2	40.3	40.1	40.0	39.7	39.7	45.1	42.3	43.9	42.7	42.8
1988	40.8	39.5	38.7	38.6	41.5	39.1	41.9	42.6	42.0	41.4	41.4	41.6
1989	41.0	42.4	40.7	41.1	41.6	44.2	43.8	42.2	41.8	43.0	44.0	44.6
Civilian labor force participation rate, black men, 16 to 19 years												
1985	44.7	42.8	43.8	44.6	43.5	42.5	47.0	45.9	45.1	46.0	42.8	45.5
1986	43.9	45.2	46.1	45.9	48.5	44.8	43.4	41.0	42.6	41.8	39.1	41.3
1987	44.2	42.7	42.2	42.6	41.4	40.5	42.0	49.2	43.4	43.9	44.7	45.0
1988	43.1	39.7	38.7	41.1	46.3	43.9	45.7	44.9	44.9	46.1	45.3	43.7
1989	43.5	46.1	43.1	41.8	41.2	49.7	46.6	45.5	41.1	44.7	46.9	47.7
Civilian labor force participation rate, black women, 16 to 19 years												
1985	38.2	38.8	38.5	38.3	40.7	36.0	39.8	35.2	35.3	38.3	38.7	38.0
1986	40.4	38.3	41.7	42.5	38.5	43.0	36.1	35.9	38.7	39.7	38.0	36.9
1987	36.9	39.8	38.4	37.7	38.7	38.9	37.4	41.2	41.2	43.8	40.7	40.7
1988	38.5	39.3	38.6	36.3	36.7	34.4	38.2	40.4	39.1	36.7	37.6	39.4
1989	38.6	38.9	38.3	40.5	42.0	38.9	41.1	38.9	42.5	41.3	41.2	41.6

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian labor force participation rate, black workers, 20 years and over												
1985	65.7	65.6	65.5	65.7	65.5	65.7	65.2	65.3	65.7	65.4	65.7	65.9
1986	65.6	65.5	65.9	66.3	66.4	66.4	65.9	65.4	65.9	66.1	66.1	65.8
1987	65.9	66.3	66.3	65.9	66.4	66.4	66.9	66.8	66.4	66.8	66.8	66.8
1988	66.8	66.6	66.6	66.7	66.1	65.9	66.7	66.5	66.1	66.7	66.6	67.0
1989	67.1	66.8	66.9	66.2	66.7	66.9	66.8	66.5	66.7	66.4	66.5	66.1
Civilian labor force participation rate, black men, 20 years and over												
1985	74.4	74.8	74.1	74.1	74.2	74.1	74.0	74.1	74.9	74.6	74.5	74.6
1986	74.9	74.4	75.0	75.0	75.1	75.5	75.0	73.9	74.7	75.0	74.9	74.7
1987	74.5	74.6	74.6	74.4	75.0	74.7	75.3	74.9	74.5	74.4	74.7	74.5
1988	74.6	75.2	74.8	75.3	74.5	74.1	73.9	74.6	74.1	74.6	74.3	74.6
1989	74.8	74.4	74.7	74.2	74.3	74.2	74.1	73.9	74.6	74.2	74.2	74.0
Civilian labor force participation rate, black women, 20 years and over												
1985	58.9	58.3	58.7	59.0	58.5	59.0	58.3	58.3	58.4	58.0	58.7	59.0
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	59.5	59.8	60.2	60.4	59.9	60.7	60.6	60.7
1988	60.6	59.8	60.0	59.8	59.3	59.2	60.9	60.0	59.8	60.3	60.5	60.9
1989	61.0	60.8	60.6	59.9	60.6	61.1	60.9	60.6	60.5	60.2	60.4	59.7
Civilian labor force participation rate, Hispanic-origin workers												
1985	63.9	64.3	64.7	64.2	64.1	64.3	64.8	65.4	65.6	65.3	64.4	64.3
1986	63.9	64.7	64.9	64.9	64.9	65.6	66.0	65.7	66.1	65.9	65.7	66.4
1987	66.3	66.2	66.0	66.4	66.8	65.8	65.5	66.2	66.3	66.7	67.1	67.1
1988	67.6	68.2	66.8	66.8	66.7	67.8	67.3	67.0	67.7	67.6	67.9	67.5
1989	67.9	67.6	67.4	67.8	68.2	67.4	68.1	67.6	67.2	67.0	67.4	67.7

**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												
1985	107,999	108,258	108,690	108,638	108,637	108,207	108,511	108,821	109,389	109,547	109,709	109,914
1986	110,569	110,163	110,530	110,649	110,787	111,279	111,496	111,710	111,788	112,011	112,216	112,479
1987	112,695	112,984	113,162	113,521	114,160	113,981	114,330	114,760	114,655	115,035	115,266	115,590
1988	115,755	115,957	115,803	116,381	116,010	116,693	116,704	116,911	117,097	117,334	117,717	117,837
1989	118,336	118,441	118,731	118,768	118,805	119,208	119,102	119,238	119,121	119,294	119,540	119,588
Total employed, including resident Armed Forces, men												
1985	61,120	61,117	61,329	61,367	61,487	61,168	61,300	61,515	61,712	61,742	61,780	61,795
1986	62,388	62,093	62,194	62,244	62,197	62,314	62,365	62,466	62,556	62,612	62,875	63,038
1987	63,174	63,256	63,246	63,369	63,606	63,458	63,624	63,848	63,976	64,101	64,230	64,349
1988	64,410	64,568	64,326	64,835	64,662	64,857	64,887	64,925	65,081	65,018	65,163	65,145
1989	65,296	65,529	65,814	65,727	65,713	66,078	65,939	65,919	65,681	66,046	66,011	66,143
Total employed, including resident Armed Forces, women												
1985	46,879	47,141	47,361	47,271	47,150	47,039	47,211	47,306	47,677	47,805	47,928	48,119
1986	48,181	48,070	48,336	48,405	48,590	48,965	49,131	49,244	49,232	49,399	49,341	49,441
1987	49,521	49,728	49,916	50,152	50,554	50,523	50,706	50,912	50,679	50,934	51,036	51,241
1988	51,345	51,389	51,477	51,546	51,348	51,836	51,817	51,986	52,016	52,316	52,554	52,692
1989	53,040	52,912	52,917	53,041	53,092	53,130	53,163	53,319	53,440	53,248	53,529	53,445
Employed, all civilian workers												
1985	106,302	106,555	106,989	106,936	106,932	106,505	106,807	107,095	107,657	107,847	108,007	108,216
1986	108,878	108,472	108,837	108,954	109,100	109,599	109,824	110,013	110,072	110,262	110,465	110,729
1987	110,947	111,244	111,426	111,786	112,434	112,263	112,610	113,024	112,912	113,294	113,511	113,840
1988	114,006	114,221	114,067	114,649	114,296	115,008	115,031	115,219	115,393	115,647	116,012	116,141
1989	116,640	116,757	117,047	117,084	117,132	117,542	117,436	117,550	117,419	117,585	117,836	117,888
Employed men												
1985	59,571	59,563	59,776	59,814	59,931	59,616	59,746	59,941	60,132	60,191	60,228	60,246
1986	60,849	60,554	60,654	60,703	60,664	60,789	60,847	60,925	60,996	61,022	61,283	61,445
1987	61,583	61,672	61,671	61,794	62,040	61,899	62,063	62,273	62,395	62,521	62,637	62,760
1988	62,822	62,991	62,753	63,266	63,109	63,334	63,375	63,396	63,541	63,492	63,621	63,611
1989	63,764	64,008	64,293	64,206	64,202	64,577	64,440	64,400	64,150	64,513	64,482	64,618
Employed women												
1985	46,731	46,992	47,213	47,122	47,001	46,889	47,061	47,154	47,525	47,656	47,779	47,970
1986	48,029	47,918	48,183	48,251	48,436	48,810	48,977	49,088	49,076	49,240	49,182	49,284
1987	49,364	49,572	49,755	49,992	50,394	50,364	50,547	50,751	50,773	50,773	50,874	51,080
1988	51,184	51,230	51,314	51,383	51,187	51,674	51,656	51,823	51,852	52,155	52,391	52,530
1989	52,876	52,749	52,754	52,878	52,930	52,965	52,996	53,150	53,269	53,072	53,354	53,270
Employed both sexes, 16 to 19 years												
1985	6,529	6,552	6,598	6,562	6,496	6,259	6,397	6,337	6,417	6,313	6,418	6,332
1986	6,309	6,414	6,531	6,512	6,503	6,488	6,458	6,487	6,480	6,559	6,468	6,414
1987	6,483	6,552	6,530	6,562	6,658	6,556	6,628	6,882	6,655	6,671	6,677	6,805
1988	6,828	6,806	6,611	6,698	6,686	7,020	6,902	6,854	6,879	6,755	6,821	6,809
1989	6,725	6,736	6,797	6,808	6,709	6,783	6,704	6,814	6,706	6,763	6,760	6,686
Employed men, 16 to 19 years												
1985	3,387	3,347	3,420	3,440	3,400	3,328	3,311	3,286	3,287	3,222	3,256	3,251
1986	3,220	3,287	3,298	3,346	3,364	3,322	3,335	3,332	3,368	3,361	3,343	3,248
1987	3,335	3,402	3,311	3,315	3,331	3,334	3,344	3,476	3,420	3,423	3,394	3,473
1988	3,510	3,471	3,358	3,463	3,482	3,586	3,512	3,547	3,526	3,425	3,538	3,478
1989	3,366	3,442	3,510	3,490	3,428	3,505	3,525	3,539	3,421	3,487	3,449	3,464
Employed women, 16 to 19 years												
1985	3,142	3,205	3,178	3,122	3,096	2,931	3,086	3,051	3,130	3,091	3,162	3,081
1986	3,089	3,127	3,233	3,166	3,139	3,166	3,123	3,155	3,112	3,198	3,125	3,166
1987	3,148	3,150	3,219	3,247	3,327	3,222	3,284	3,406	3,235	3,248	3,283	3,332
1988	3,318	3,335	3,253	3,235	3,204	3,434	3,390	3,307	3,353	3,330	3,283	3,331
1989	3,359	3,294	3,287	3,318	3,281	3,278	3,179	3,275	3,285	3,276	3,311	3,222

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 20 years and over												
1985	99,773	100,003	100,391	100,374	100,436	100,246	100,410	100,758	101,240	101,534	101,589	101,884
1986	102,569	102,058	102,306	102,442	102,597	103,111	103,366	103,526	103,592	103,703	103,997	104,315
1987	104,464	104,692	104,896	105,224	105,776	105,707	105,982	106,142	106,257	106,623	106,834	107,035
1988	107,178	107,415	107,456	107,951	107,610	107,988	108,129	108,365	108,514	108,892	109,191	109,332
1989	109,915	110,021	110,250	110,276	110,423	110,759	110,732	110,736	110,713	110,822	111,076	111,202
Employed men, 20 years and over												
1985	56,184	56,216	56,356	56,374	56,531	56,288	56,435	56,655	56,845	56,969	56,972	56,995
1986	57,629	57,267	57,356	57,357	57,300	57,467	57,512	57,593	57,628	57,661	57,940	58,197
1987	58,248	58,270	58,360	58,479	58,709	58,565	58,719	58,797	58,975	59,098	59,243	59,287
1988	59,312	59,520	59,395	59,803	59,627	59,748	59,863	59,849	60,015	60,067	60,083	60,133
1989	60,398	60,566	60,783	60,716	60,774	61,072	60,915	60,861	60,729	61,026	61,033	61,154
Employed women, 20 years and over												
1985	43,589	43,787	44,035	44,000	43,905	43,958	43,975	44,103	44,395	44,565	44,617	44,889
1986	44,940	44,791	44,950	45,085	45,297	45,644	45,854	45,933	45,964	46,042	46,057	46,118
1987	46,216	46,422	46,536	46,745	47,067	47,142	47,263	47,345	47,282	47,525	47,591	47,748
1988	47,866	47,895	48,061	48,148	47,983	48,240	48,266	48,516	48,499	48,825	49,108	49,199
1989	49,517	49,455	49,467	49,560	49,649	49,687	49,817	49,875	49,984	49,796	50,043	50,048
Employed both sexes, 20 to 24 years												
1985	14,144	14,041	13,997	14,050	13,991	13,944	13,897	13,874	13,979	13,979	13,919	13,997
1986	13,952	13,978	13,935	13,809	13,714	13,797	13,773	13,698	13,696	13,690	13,796	13,691
1987	13,729	13,663	13,641	13,579	13,583	13,432	13,504	13,518	13,469	13,428	13,424	13,368
1988	13,489	13,442	13,317	13,320	13,141	13,275	13,211	13,212	13,205	13,164	13,083	13,121
1989	13,051	13,099	13,172	13,084	13,039	13,106	13,077	12,999	12,783	12,724	12,722	12,612
Employed men, 20 to 24 years												
1985	7,430	7,355	7,321	7,373	7,357	7,332	7,276	7,313	7,354	7,304	7,337	7,352
1986	7,400	7,403	7,359	7,223	7,153	7,240	7,244	7,188	7,161	7,235	7,230	7,213
1987	7,179	7,138	7,124	7,106	7,085	6,987	7,073	7,066	7,059	6,998	6,994	6,945
1988	6,965	6,960	6,951	6,956	6,909	6,941	6,917	6,911	6,932	6,874	6,880	6,848
1989	6,851	6,926	6,947	6,874	6,821	6,867	6,766	6,736	6,649	6,724	6,674	6,664
Employed women, 20 to 24 years												
1985	6,714	6,686	6,676	6,677	6,634	6,612	6,621	6,561	6,625	6,675	6,582	6,645
1986	6,552	6,575	6,576	6,586	6,561	6,557	6,529	6,510	6,535	6,455	6,566	6,478
1987	6,550	6,525	6,517	6,473	6,498	6,445	6,431	6,452	6,410	6,430	6,430	6,423
1988	6,524	6,482	6,366	6,364	6,232	6,334	6,294	6,301	6,273	6,290	6,203	6,273
1989	6,200	6,173	6,225	6,210	6,218	6,239	6,311	6,263	6,134	6,000	6,048	5,948
Employed both sexes, 25 years and over												
1985	85,624	85,963	86,435	86,304	86,412	86,372	86,563	86,851	87,247	87,523	87,678	87,869
1986	88,615	88,086	88,414	88,611	88,848	89,350	89,646	89,821	89,888	89,987	90,205	90,607
1987	90,743	91,038	91,276	91,616	92,154	92,282	92,542	92,645	92,790	93,182	93,405	93,658
1988	93,691	93,963	94,128	94,595	94,433	94,697	94,985	95,200	95,321	95,734	96,100	96,221
1989	96,849	96,898	97,039	97,150	97,353	97,643	97,726	97,809	97,946	98,122	98,345	98,594
Employed men, 25 years and over												
1985	48,743	48,865	49,065	48,992	49,148	48,999	49,164	49,340	49,476	49,629	49,657	49,644
1986	50,220	49,871	50,030	50,121	50,116	50,248	50,274	50,418	50,459	50,399	50,733	50,990
1987	51,065	51,139	51,254	51,358	51,589	51,584	51,664	51,759	51,919	52,081	52,263	52,347
1988	52,338	52,551	52,441	52,833	52,691	52,796	52,971	52,975	53,097	53,183	53,210	53,295
1989	53,537	53,626	53,817	53,827	53,933	54,197	54,182	54,171	54,095	54,302	54,362	54,494
Employed women, 25 years and over												
1985	36,881	37,098	37,370	37,312	37,264	37,373	37,399	37,511	37,771	37,894	38,021	38,225
1986	38,395	38,215	38,384	38,490	38,732	39,102	39,372	39,403	39,429	39,588	39,472	39,617
1987	39,678	39,899	40,022	40,258	40,565	40,698	40,878	40,886	40,871	41,101	41,142	41,311
1988	41,353	41,412	41,687	41,762	41,742	41,901	42,014	42,225	42,224	42,551	42,890	42,926
1989	43,312	43,272	43,222	43,323	43,420	43,446	43,544	43,638	43,851	43,820	43,983	44,100

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 25 to 54 years												
1985	71,425	71,607	71,947	72,002	72,071	72,141	72,354	72,616	73,014	73,171	73,399	73,629
1986	74,296	73,913	74,200	74,364	74,440	74,858	75,122	75,413	75,623	75,771	75,879	76,277
1987	76,322	76,635	76,896	77,287	77,668	77,718	77,983	78,158	78,348	78,529	78,773	78,946
1988	79,114	79,284	79,592	79,925	79,973	80,088	80,449	80,625	80,700	81,031	81,290	81,414
1989	81,928	82,064	82,165	82,229	82,458	82,704	82,821	83,064	83,170	83,316	83,594	83,680
Employed men, 25 to 54 years												
1985	40,331	40,411	40,511	40,543	40,715	40,589	40,778	40,860	41,006	41,131	41,196	41,238
1986	41,714	41,521	41,636	41,704	41,628	41,833	41,859	42,067	42,135	42,069	42,304	42,504
1987	42,577	42,658	42,744	42,890	43,013	43,033	43,154	43,268	43,426	43,496	43,648	43,732
1988	43,846	43,977	43,982	44,313	44,194	44,238	44,467	44,446	44,612	44,694	44,756	44,805
1989	44,984	45,085	45,253	45,196	45,388	45,568	45,603	45,708	45,696	45,829	45,938	46,048
Employed women, 25 to 54 years												
1985	31,094	31,196	31,436	31,459	31,356	31,552	31,576	31,756	32,008	32,040	32,203	32,391
1986	32,582	32,392	32,564	32,660	32,812	33,025	33,263	33,346	33,488	33,702	33,575	33,773
1987	33,745	33,977	34,152	34,397	34,655	34,685	34,829	34,890	34,922	35,033	35,125	35,214
1988	35,268	35,307	35,610	35,612	35,779	35,850	35,982	36,179	36,088	36,337	36,534	36,609
1989	36,944	36,979	36,912	37,033	37,070	37,136	37,218	37,356	37,474	37,487	37,656	37,632
Employed both sexes, 25 to 34 years												
1985	30,822	30,873	31,030	31,002	31,015	31,109	31,239	31,226	31,567	31,496	31,487	31,638
1986	32,055	31,780	31,976	32,020	32,008	32,238	32,191	32,343	32,401	32,348	32,526	32,557
1987	32,517	32,726	32,860	33,015	33,073	33,140	33,245	33,305	33,255	33,357	33,409	33,372
1988	33,423	33,496	33,466	33,590	33,578	33,481	33,593	33,567	33,532	33,653	33,661	33,870
1989	33,992	33,930	33,937	33,918	33,887	33,999	34,069	34,091	34,198	34,124	34,276	34,167
Employed men, 25 to 34 years												
1985	17,381	17,409	17,446	17,474	17,537	17,519	17,593	17,586	17,655	17,717	17,713	17,746
1986	18,157	18,007	18,061	18,038	17,934	18,092	18,004	18,166	18,148	18,025	18,230	18,265
1987	18,239	18,325	18,367	18,446	18,501	18,493	18,530	18,537	18,571	18,597	18,639	18,612
1988	18,664	18,695	18,593	18,736	18,612	18,573	18,731	18,645	18,763	18,814	18,756	18,858
1989	18,902	18,857	18,947	18,893	18,925	19,000	19,001	19,037	18,962	18,934	19,008	18,972
Employed women, 25 to 34 years												
1985	13,441	13,464	13,584	13,528	13,478	13,590	13,646	13,640	13,912	13,779	13,774	13,892
1986	13,898	13,773	13,915	13,982	14,074	14,146	14,187	14,177	14,253	14,323	14,296	14,292
1987	14,278	14,401	14,493	14,569	14,572	14,647	14,715	14,768	14,684	14,760	14,770	14,760
1988	14,759	14,801	14,873	14,854	14,966	14,908	14,862	14,922	14,769	14,839	14,905	15,012
1989	15,090	15,073	14,990	15,025	14,962	14,999	15,068	15,054	15,236	15,190	15,268	15,195
Employed both sexes, 35 to 44 years												
1985	24,213	24,262	24,424	24,503	24,580	24,603	24,697	24,823	24,912	25,147	25,270	25,314
1986	25,381	25,315	25,446	25,546	25,653	25,738	25,961	26,103	26,196	26,259	26,208	26,500
1987	26,645	26,759	26,802	26,978	27,147	27,129	27,244	27,326	27,421	27,487	27,588	27,613
1988	27,677	27,702	27,915	28,080	28,043	28,212	28,329	28,445	28,580	28,671	28,832	28,725
1989	28,993	29,145	29,188	29,156	29,388	29,450	29,488	29,620	29,516	29,700	29,721	29,926
Employed men, 35 to 44 years												
1985	13,593	13,597	13,658	13,685	13,771	13,690	13,790	13,870	13,923	13,991	14,012	14,002
1986	14,044	13,992	14,090	14,165	14,182	14,199	14,306	14,336	14,404	14,425	14,461	14,575
1987	14,689	14,723	14,723	14,767	14,792	14,849	14,901	14,979	15,033	15,050	15,115	15,145
1988	15,174	15,204	15,252	15,359	15,386	15,461	15,514	15,562	15,608	15,634	15,682	15,641
1989	15,718	15,845	15,871	15,823	15,953	16,002	16,015	16,024	16,072	16,177	16,210	16,313
Employed women, 35 to 44 years												
1985	10,620	10,665	10,766	10,818	10,809	10,913	10,907	10,953	10,989	11,156	11,258	11,312
1986	11,337	11,323	11,356	11,381	11,471	11,539	11,655	11,767	11,792	11,834	11,747	11,925
1987	11,956	12,036	12,079	12,211	12,355	12,280	12,343	12,347	12,388	12,437	12,473	12,468
1988	12,503	12,498	12,663	12,721	12,657	12,751	12,815	12,883	12,972	13,037	13,150	13,084
1989	13,275	13,300	13,317	13,333	13,435	13,448	13,473	13,596	13,444	13,523	13,511	13,613

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 45 to 54 years												
1985	16,390	16,472	16,493	16,497	16,476	16,429	16,418	16,567	16,535	16,528	16,642	16,677
1986	16,860	16,818	16,778	16,798	16,779	16,882	16,970	16,967	17,026	17,164	17,145	17,220
1987	17,160	17,150	17,234	17,294	17,448	17,449	17,494	17,527	17,672	17,685	17,776	17,961
1988	18,014	18,086	18,211	18,255	18,352	18,395	18,527	18,613	18,588	18,707	18,797	18,819
1989	18,943	18,989	19,040	19,155	19,183	19,255	19,264	19,353	19,456	19,492	19,597	19,587
Employed men, 45 to 54 years												
1985	9,357	9,405	9,407	9,384	9,407	9,380	9,395	9,404	9,428	9,423	9,471	9,490
1986	9,513	9,522	9,485	9,501	9,512	9,542	9,549	9,565	9,583	9,619	9,613	9,664
1987	9,649	9,610	9,654	9,677	9,720	9,691	9,723	9,752	9,822	9,849	9,894	9,975
1988	10,008	10,078	10,137	10,218	10,196	10,204	10,222	10,239	10,241	10,246	10,318	10,306
1989	10,364	10,383	10,435	10,480	10,510	10,566	10,587	10,647	10,662	10,718	10,720	10,763
Employed women, 45 to 54 years												
1985	7,033	7,067	7,086	7,113	7,069	7,049	7,023	7,163	7,107	7,105	7,171	7,187
1986	7,347	7,296	7,293	7,297	7,267	7,340	7,421	7,402	7,443	7,545	7,532	7,556
1987	7,511	7,540	7,580	7,617	7,728	7,758	7,771	7,775	7,850	7,836	7,882	7,986
1988	8,006	8,008	8,074	8,037	8,156	8,191	8,305	8,374	8,347	8,461	8,479	8,513
1989	8,579	8,606	8,605	8,675	8,673	8,689	8,677	8,706	8,794	8,774	8,877	8,824
Employed both sexes, 55 years and over												
1985	14,218	14,296	14,474	14,332	14,260	14,242	14,172	14,288	14,279	14,350	14,280	14,254
1986	14,315	14,122	14,198	14,266	14,368	14,487	14,489	14,466	14,324	14,222	14,331	14,315
1987	14,403	14,350	14,386	14,342	14,485	14,548	14,539	14,545	14,502	14,653	14,647	14,674
1988	14,537	14,642	14,547	14,671	14,485	14,563	14,513	14,620	14,671	14,711	14,835	14,755
1989	14,871	14,802	14,899	14,918	14,938	14,878	14,914	14,780	14,825	14,818	14,784	14,849
Employed men, 55 years and over												
1985	8,406	8,421	8,551	8,458	8,384	8,436	8,359	8,488	8,498	8,504	8,458	8,420
1986	8,508	8,328	8,393	8,420	8,451	8,426	8,399	8,354	8,357	8,340	8,428	8,495
1987	8,488	8,466	8,524	8,465	8,553	8,543	8,502	8,498	8,525	8,592	8,618	8,618
1988	8,491	8,564	8,476	8,509	8,481	8,520	8,497	8,532	8,518	8,500	8,461	8,489
1989	8,558	8,536	8,584	8,610	8,539	8,576	8,583	8,462	8,439	8,488	8,432	8,441
Employed women, 55 years and over												
1985	5,812	5,875	5,923	5,874	5,876	5,806	5,813	5,800	5,781	5,846	5,822	5,834
1986	5,807	5,794	5,805	5,846	5,917	6,061	6,090	6,112	5,967	5,882	5,903	5,820
1987	5,915	5,884	5,862	5,877	5,932	6,005	6,037	6,047	5,977	6,061	6,029	6,056
1988	6,046	6,078	6,071	6,162	6,004	6,043	6,016	6,088	6,153	6,211	6,374	6,266
1989	6,313	6,266	6,315	6,308	6,399	6,302	6,331	6,318	6,386	6,330	6,352	6,408
Employed both sexes, 55 to 64 years												
1985	11,436	11,472	11,607	11,502	11,467	11,471	11,437	11,507	11,445	11,497	11,453	11,383
1986	11,364	11,235	11,317	11,341	11,441	11,533	11,525	11,535	11,403	11,375	11,405	11,380
1987	11,473	11,435	11,418	11,419	11,485	11,470	11,447	11,405	11,435	11,538	11,524	11,525
1988	11,411	11,465	11,396	11,474	11,353	11,356	11,390	11,459	11,475	11,479	11,450	11,474
1989	11,545	11,482	11,535	11,522	11,497	11,548	11,549	11,446	11,523	11,489	11,494	11,483
Employed men, 55 to 64 years												
1985	6,749	6,737	6,819	6,766	6,711	6,780	6,746	6,785	6,753	6,766	6,743	6,680
1986	6,684	6,558	6,625	6,648	6,696	6,665	6,649	6,641	6,644	6,657	6,678	6,702
1987	6,728	6,715	6,734	6,677	6,706	6,656	6,657	6,595	6,652	6,686	6,696	6,692
1988	6,639	6,667	6,607	6,630	6,594	6,562	6,586	6,608	6,586	6,569	6,512	6,542
1989	6,560	6,545	6,572	6,583	6,545	6,616	6,598	6,516	6,559	6,546	6,531	6,475
Employed women, 55 to 64 years												
1985	4,687	4,735	4,788	4,736	4,756	4,691	4,691	4,722	4,692	4,731	4,710	4,703
1986	4,680	4,677	4,692	4,693	4,745	4,868	4,876	4,894	4,759	4,718	4,727	4,678
1987	4,745	4,720	4,684	4,742	4,779	4,814	4,790	4,810	4,783	4,852	4,828	4,833
1988	4,772	4,798	4,789	4,844	4,759	4,794	4,804	4,851	4,889	4,910	4,938	4,932
1989	4,985	4,937	4,963	4,939	4,952	4,932	4,951	4,930	4,964	4,943	4,963	5,008

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed both sexes, 65 years and over												
1985	2,782	2,824	2,867	2,830	2,793	2,771	2,735	2,781	2,834	2,853	2,827	2,871
1986	2,951	2,887	2,881	2,925	2,927	2,954	2,964	2,931	2,921	2,847	2,926	2,935
1987	2,930	2,915	2,968	2,923	3,000	3,078	3,092	3,140	3,067	3,115	3,123	3,149
1988	3,126	3,177	3,151	3,197	3,132	3,207	3,123	3,161	3,196	3,232	3,385	3,281
1989	3,326	3,320	3,364	3,396	3,441	3,330	3,365	3,334	3,302	3,329	3,290	3,366
Employed men, 65 years and over												
1985	1,657	1,684	1,732	1,692	1,673	1,656	1,613	1,703	1,745	1,738	1,715	1,740
1986	1,824	1,770	1,768	1,772	1,755	1,761	1,750	1,713	1,713	1,683	1,750	1,793
1987	1,760	1,751	1,790	1,788	1,847	1,887	1,845	1,903	1,873	1,906	1,922	1,926
1988	1,852	1,897	1,869	1,879	1,887	1,958	1,911	1,924	1,932	1,931	1,949	1,947
1989	1,998	1,991	2,012	2,027	1,994	1,960	1,985	1,946	1,880	1,942	1,901	1,966
Employed women, 65 years and over												
1985	1,125	1,140	1,135	1,138	1,120	1,115	1,122	1,078	1,089	1,115	1,112	1,131
1986	1,127	1,117	1,113	1,153	1,172	1,193	1,214	1,218	1,208	1,164	1,176	1,142
1987	1,170	1,164	1,178	1,135	1,153	1,191	1,247	1,237	1,194	1,209	1,201	1,223
1988	1,274	1,280	1,282	1,318	1,245	1,249	1,212	1,237	1,264	1,301	1,436	1,334
1989	1,328	1,329	1,352	1,369	1,447	1,370	1,380	1,388	1,422	1,387	1,389	1,400
Employed white workers												
1985	92,997	93,356	93,630	93,493	93,572	93,126	93,413	93,558	94,175	94,407	94,567	94,587
1986	95,112	94,688	94,967	95,058	95,197	95,687	95,887	96,128	96,111	96,234	96,367	96,593
1987	96,700	96,862	97,006	97,246	97,952	97,639	97,935	96,215	98,166	98,423	98,523	98,853
1988	98,951	99,275	99,178	99,619	99,440	99,901	99,763	99,948	100,126	100,284	100,644	100,649
1989	101,137	101,187	101,413	101,400	101,432	101,683	101,546	101,684	101,579	101,862	101,991	102,032
Employed white men												
1985	52,772	52,789	52,967	52,983	53,136	52,821	52,896	52,983	53,233	53,338	53,384	53,319
1986	53,807	53,513	53,554	53,600	53,558	53,715	53,707	53,870	53,899	53,900	54,126	54,231
1987	54,301	54,324	54,295	54,349	54,684	54,500	54,603	54,767	54,843	54,934	55,032	55,174
1988	55,190	55,398	55,210	55,494	55,442	55,613	55,630	55,611	55,719	55,688	55,845	55,792
1989	56,017	56,140	56,395	56,294	56,268	56,511	56,393	56,423	56,167	56,538	56,496	56,571
Employed white women												
1985	40,225	40,567	40,663	40,510	40,436	40,305	40,517	40,575	40,942	41,069	41,203	41,266
1986	41,305	41,175	41,413	41,458	41,639	41,972	42,160	42,258	42,212	42,334	42,241	42,362
1987	42,399	42,538	42,711	42,899	43,268	43,139	43,332	43,448	43,323	43,489	43,491	43,879
1988	43,761	43,879	43,968	44,125	43,998	44,288	44,133	44,337	44,407	44,596	44,799	44,857
1989	45,120	45,047	45,018	45,106	45,164	45,172	45,153	45,261	45,412	45,326	45,495	45,461
Employed white workers, 16 to 19 years												
1985	5,853	5,903	5,907	5,846	5,802	5,618	5,747	5,611	5,768	5,695	5,783	5,699
1986	5,678	5,768	5,845	5,804	5,815	5,795	5,759	5,787	5,810	5,876	5,808	5,764
1987	5,827	5,871	5,826	5,869	5,981	5,829	5,895	5,985	5,854	5,900	5,900	6,045
1988	6,075	6,095	5,863	5,946	5,939	6,240	6,089	6,007	6,061	5,969	6,049	6,027
1989	5,988	5,945	6,011	6,002	5,942	5,967	5,838	5,986	5,906	5,942	5,923	5,811
Employed white men, 16 to 19 years												
1985	3,040	2,990	3,053	3,075	3,044	2,996	2,988	2,892	2,953	2,913	2,952	2,922
1986	2,919	2,939	2,941	2,970	2,977	2,971	2,977	2,955	3,019	3,019	2,997	2,913
1987	2,981	3,037	2,947	2,950	2,990	2,966	2,976	3,021	3,011	3,029	2,994	3,077
1988	3,136	3,123	2,990	3,042	3,042	3,176	3,080	3,089	3,087	3,012	3,137	3,094
1989	3,021	3,035	3,095	3,095	3,046	3,074	3,062	3,116	3,014	3,053	3,014	2,991
Employed white women, 16 to 19 years												
1985	2,813	2,913	2,854	2,771	2,758	2,622	2,759	2,719	2,815	2,782	2,831	2,777
1986	2,759	2,829	2,904	2,834	2,838	2,824	2,782	2,832	2,791	2,857	2,811	2,851
1987	2,846	2,834	2,879	2,919	2,991	2,863	2,919	2,964	2,843	2,871	2,906	2,968
1988	2,939	2,972	2,873	2,904	2,897	3,064	3,009	2,918	2,974	2,957	2,912	2,933
1989	2,967	2,910	2,916	2,907	2,896	2,893	2,776	2,870	2,892	2,889	2,909	2,820

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 white workers, 20 years and over												
1985	87,144	87,453	87,723	87,647	87,770	87,508	87,666	87,947	88,407	88,712	88,784	88,888
1986	89,434	88,920	89,122	89,254	89,382	89,892	90,108	90,341	90,301	90,358	90,559	90,829
1987	90,873	90,991	91,180	91,379	91,971	91,810	92,040	92,230	92,312	92,523	92,623	92,808
1988	92,876	93,180	93,315	93,673	93,501	93,661	93,674	93,941	94,065	94,315	94,595	94,622
1989	95,149	95,242	95,402	95,398	95,490	95,716	95,708	95,698	95,673	95,920	96,068	96,221
Employed white men, 20 years and over												
1985	49,732	49,799	49,914	49,908	50,092	49,825	49,908	50,091	50,280	50,425	50,412	50,397
1986	50,888	50,574	50,613	50,630	50,581	50,744	50,730	50,915	50,880	50,881	51,129	51,318
1987	51,320	51,287	51,348	51,399	51,694	51,534	51,627	51,746	51,832	51,905	52,038	52,097
1988	52,054	52,273	52,220	52,452	52,400	52,437	52,550	52,522	52,632	52,676	52,708	52,698
1989	52,996	53,105	53,300	53,199	53,222	53,437	53,331	53,307	53,153	53,483	53,482	53,580
Employed white women, 20 years and over												
1985	37,412	37,654	37,809	37,739	37,678	37,683	37,758	37,856	38,127	38,287	38,372	38,491
1986	38,546	38,346	38,509	38,624	38,801	39,148	39,378	39,426	39,421	39,477	39,430	39,511
1987	39,553	39,704	39,832	39,980	40,277	40,276	40,413	40,484	40,480	40,618	40,585	40,711
1988	40,822	40,907	41,095	41,221	41,101	41,224	41,124	41,419	41,433	41,639	41,887	41,924
1989	42,153	42,137	42,102	42,199	42,268	42,279	42,377	42,391	42,520	42,437	42,586	42,641
Employed black workers												
1985	10,436	10,341	10,426	10,480	10,461	10,553	10,484	10,570	10,523	10,551	10,511	10,658
1986	10,704	10,701	10,803	10,854	10,903	10,854	10,809	10,660	10,779	10,867	10,881	10,940
1987	10,973	11,095	11,097	11,157	11,166	11,271	11,370	11,497	11,392	11,533	11,551	11,571
1988	11,579	11,513	11,452	11,550	11,507	11,531	11,742	11,731	11,750	11,817	11,829	11,872
1989	11,867	11,883	11,952	11,872	11,962	11,969	12,063	11,961	11,938	11,923	11,954	11,920
Employed black men												
1985	5,217	5,209	5,211	5,229	5,251	5,277	5,270	5,365	5,321	5,296	5,260	5,328
1986	5,390	5,384	5,433	5,441	5,495	5,455	5,429	5,331	5,377	5,423	5,448	5,525
1987	5,538	5,576	5,595	5,615	5,582	5,623	5,683	5,739	5,719	5,741	5,759	5,748
1988	5,776	5,734	5,694	5,848	5,803	5,799	5,820	5,868	5,883	5,895	5,875	5,897
1989	5,878	5,891	5,939	5,868	5,902	5,966	6,005	5,924	5,909	5,922	5,928	5,926
Employed black women												
1985	5,219	5,132	5,215	5,251	5,210	5,276	5,214	5,205	5,202	5,255	5,251	5,330
1986	5,314	5,317	5,370	5,413	5,408	5,399	5,380	5,329	5,402	5,444	5,433	5,415
1987	5,435	5,519	5,502	5,542	5,584	5,648	5,687	5,758	5,673	5,792	5,792	5,823
1988	5,803	5,779	5,758	5,702	5,704	5,732	5,922	5,863	5,867	5,922	5,954	5,975
1989	5,989	5,992	6,013	6,004	6,060	6,003	6,058	6,037	6,029	6,001	6,026	5,994
Employed black workers, 16 to 19 years												
1985	531	513	536	554	554	511	548	550	519	532	505	517
1986	535	548	549	555	566	560	514	478	522	554	524	522
1987	537	558	554	545	547	567	572	681	633	623	608	606
1988	588	542	540	576	597	606	623	628	626	625	619	628
1989	590	626	606	611	611	624	687	624	585	624	645	670
Employed black men, 16 to 19 years												
1985	267	269	280	291	287	260	284	309	279	285	240	281
1986	273	293	280	288	312	281	265	259	270	271	263	272
1987	299	287	288	282	276	291	298	350	315	318	322	312
1988	305	256	257	320	338	323	335	328	329	333	330	326
1989	300	333	328	292	285	353	384	340	299	329	341	357
Employed black women, 16 to 19 years												
1985	264	244	256	263	267	251	264	241	240	247	265	236
1986	262	255	269	267	254	279	249	219	252	283	261	250
1987	238	271	266	263	271	276	274	331	318	305	286	294
1988	283	286	283	256	259	283	288	300	297	292	289	302
1989	290	293	278	319	326	271	303	284	286	295	304	313

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed black workers, 20 years and over												
1985	9,905	9,828	9,890	9,926	9,907	10,042	9,936	10,020	10,004	10,019	10,006	10,141
1986	10,169	10,153	10,254	10,299	10,337	10,294	10,295	10,182	10,257	10,313	10,357	10,418
1987	10,436	10,537	10,543	10,612	10,619	10,704	10,798	10,816	10,759	10,910	10,943	10,965
1988	10,991	10,971	10,912	10,974	10,910	10,925	11,119	11,103	11,124	11,192	11,210	11,244
1989	11,277	11,257	11,346	11,261	11,351	11,345	11,376	11,337	11,353	11,299	11,309	11,250
Employed black men, 20 years and over												
1985	4,950	4,940	4,931	4,938	4,964	5,017	4,986	5,056	5,042	5,011	5,020	5,047
1986	5,117	5,091	5,153	5,153	5,183	5,174	5,164	5,072	5,107	5,152	5,185	5,253
1987	5,239	5,289	5,307	5,333	5,306	5,332	5,385	5,389	5,404	5,423	5,437	5,436
1988	5,471	5,478	5,437	5,528	5,465	5,476	5,485	5,540	5,554	5,562	5,545	5,571
1989	5,578	5,558	5,611	5,576	5,617	5,613	5,621	5,584	5,610	5,593	5,587	5,569
Employed black women, 20 years and over												
1985	4,955	4,888	4,959	4,988	4,943	5,025	4,950	4,964	4,962	5,008	4,986	5,094
1986	5,052	5,062	5,101	5,146	5,154	5,120	5,131	5,110	5,150	5,161	5,172	5,165
1987	5,197	5,248	5,236	5,279	5,313	5,372	5,413	5,427	5,355	5,487	5,506	5,529
1988	5,520	5,493	5,475	5,446	5,445	5,449	5,634	5,563	5,570	5,630	5,665	5,673
1989	5,699	5,699	5,735	5,685	5,734	5,732	5,755	5,753	5,743	5,706	5,722	5,681
Employed Hispanic-origin workers												
1985	6,701	6,820	6,824	6,801	6,806	6,836	6,867	7,011	7,056	6,992	6,947	6,973
1986	6,981	6,939	7,086	7,137	7,119	7,231	7,286	7,261	7,305	7,365	7,449	7,454
1987	7,520	7,569	7,625	7,719	7,816	7,743	7,760	7,882	7,877	7,947	7,965	8,049
1988	8,217	8,202	8,066	8,059	8,074	8,234	8,270	8,229	8,398	8,387	8,420	8,445
1989	8,452	8,549	8,581	8,531	8,619	8,543	8,579	8,541	8,564	8,595	8,672	8,691
Employed married men, spouse present												
1985	39,342	39,329	39,469	39,345	39,238	38,970	39,116	39,164	39,177	39,335	39,295	39,233
1986	39,497	39,386	39,348	39,530	39,630	39,639	39,645	39,766	39,727	39,744	39,961	40,059
1987	40,008	39,939	40,012	40,012	40,107	40,075	40,241	40,341	40,443	40,590	40,756	40,688
1988	40,342	40,445	40,398	40,468	40,324	40,417	40,488	40,575	40,593	40,579	40,505	40,567
1989	40,794	40,880	40,976	40,857	40,932	41,025	41,067	40,723	40,649	40,839	40,886	41,041
Employed married women, spouse present												
1985	26,025	26,144	26,220	26,081	26,006	25,999	26,180	26,303	26,604	26,762	26,809	26,892
1986	27,011	26,660	26,697	26,770	26,860	27,190	27,352	27,370	27,358	27,471	27,481	27,579
1987	27,720	27,765	27,868	28,024	28,291	28,256	28,297	28,216	28,153	28,209	28,242	28,346
1988	28,424	28,609	28,668	28,698	28,526	28,687	28,681	28,861	28,903	28,966	29,007	29,118
1989	29,557	29,379	29,485	29,563	29,608	29,499	29,520	29,259	29,506	29,544	29,767	29,695
Employed women who maintain families												
1985	5,549	5,529	5,581	5,601	5,672	5,757	5,634	5,645	5,555	5,446	5,541	5,638
1986	5,670	5,732	5,757	5,814	5,788	5,810	5,856	5,842	5,915	5,956	5,960	5,922
1987	5,940	5,917	5,945	6,001	6,005	6,050	6,053	6,122	6,148	6,145	6,187	6,175
1988	6,141	6,149	6,165	6,103	6,015	6,128	6,162	6,295	6,244	6,346	6,367	6,390
1989	6,396	6,381	6,267	6,263	6,354	6,401	6,446	6,371	6,429	6,354	6,351	6,349

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed in agricultural industries												
1985	3,317	3,317	3,250	3,306	3,280	3,161	3,143	3,121	3,064	3,051	3,062	3,141
1986	3,283	3,082	3,197	3,162	3,163	3,203	3,139	3,082	3,164	3,125	3,219	3,145
1987	3,133	3,196	3,213	3,249	3,357	3,242	3,233	3,111	3,182	3,217	3,149	3,207
1988	3,234	3,181	3,167	3,223	3,131	3,155	3,056	3,116	3,159	3,222	3,256	3,192
1989	3,268	3,196	3,185	3,144	3,137	3,138	3,217	3,275	3,219	3,197	3,160	3,197
Employed in agricultural industries, both sexes, 16 to 19 years												
1985	319	339	340	340	326	304	305	300	302	251	272	273
1986	251	233	261	273	270	276	247	267	254	242	245	241
1987	243	269	269	267	264	264	263	249	244	262	230	271
1988	291	284	286	273	278	271	256	256	307	275	285	240
1989	278	238	229	236	209	237	249	293	229	252	244	286
Employed in agricultural industries, men, 16 to 19 years												
1985	276	293	291	273	279	256	254	260	250	202	226	230
1986	202	191	226	237	234	235	214	225	216	203	211	199
1987	204	226	224	235	219	218	214	200	202	216	189	226
1988	243	228	226	218	221	219	220	213	254	223	227	176
1989	202	191	186	190	170	201	210	252	190	209	185	242
Employed in agricultural industries, women, 16 to 19 years												
1985	43	46	49	67	47	48	51	40	52	49	46	43
1986	49	42	35	36	36	41	33	42	38	39	34	42
1987	39	43	45	32	45	46	49	49	42	46	41	45
1988	48	56	60	55	57	52	36	43	53	52	58	64
1989	76	47	43	46	39	36	39	41	39	43	59	44
Employed in agricultural industries, both sexes, 20 years and over												
1985	2,998	2,978	2,910	2,966	2,954	2,857	2,838	2,821	2,762	2,800	2,790	2,868
1986	3,032	2,849	2,936	2,889	2,893	2,927	2,892	2,815	2,910	2,883	2,974	2,904
1987	2,890	2,927	2,944	2,982	3,093	2,978	2,970	2,862	2,938	2,955	2,919	2,936
1988	2,943	2,897	2,881	2,950	2,853	2,884	2,800	2,860	2,852	2,947	2,971	2,952
1989	2,990	2,958	2,956	2,908	2,928	2,901	2,968	2,982	2,990	2,945	2,916	2,911
Employed in agricultural industries, men, 20 years and over												
1985	2,418	2,381	2,289	2,323	2,359	2,264	2,241	2,238	2,190	2,186	2,217	2,281
1986	2,359	2,272	2,350	2,301	2,286	2,334	2,279	2,177	2,287	2,282	2,311	2,294
1987	2,274	2,311	2,360	2,390	2,450	2,346	2,338	2,235	2,348	2,320	2,279	2,289
1988	2,312	2,272	2,251	2,271	2,248	2,250	2,246	2,254	2,241	2,310	2,315	2,292
1989	2,286	2,312	2,309	2,270	2,295	2,279	2,329	2,340	2,330	2,304	2,292	2,293
Employed in agricultural industries, women, 20 years and over												
1985	580	597	621	643	595	593	597	583	572	614	573	587
1986	673	577	586	588	607	593	613	638	623	601	663	610
1987	616	616	584	592	643	632	632	627	590	635	640	647
1988	631	625	630	679	605	634	554	606	611	637	656	660
1989	704	646	647	638	633	622	639	642	660	641	624	618
Employed in nonagricultural industries												
1985	102,985	103,238	103,739	103,630	103,652	103,344	103,664	103,974	104,593	104,796	104,945	105,075
1986	105,595	105,390	105,640	105,792	105,937	106,396	106,685	106,931	106,908	107,137	107,246	107,584
1987	107,814	108,048	108,213	108,537	109,077	109,021	109,377	109,913	109,730	110,077	110,362	110,633
1988	110,772	111,040	110,900	111,426	111,165	111,853	111,975	112,103	112,234	112,425	112,756	112,949
1989	113,372	113,561	113,862	113,940	113,995	114,404	114,219	114,275	114,200	114,388	114,676	114,691
Employed in nonagricultural industries, both sexes, 16 to 19 years												
1985	6,210	6,213	6,258	6,222	6,170	5,955	6,092	6,037	6,115	6,062	6,146	6,059
1986	6,058	6,181	6,270	6,239	6,233	6,212	6,211	6,220	6,226	6,317	6,223	6,173
1987	6,240	6,283	6,261	6,295	6,394	6,292	6,365	6,633	6,411	6,409	6,447	6,534
1988	6,537	6,522	6,325	6,425	6,408	6,749	6,646	6,598	6,572	6,480	6,536	6,569
1989	6,447	6,498	6,568	6,572	6,500	6,546	6,455	6,521	6,477	6,511	6,516	6,400

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed in nonagricultural industries, men, 16 to 19 years												
1985	3,111	3,054	3,129	3,167	3,121	3,072	3,057	3,026	3,037	3,020	3,030	3,021
1986	3,018	3,096	3,072	3,109	3,130	3,087	3,121	3,107	3,152	3,158	3,132	3,049
1987	3,131	3,176	3,087	3,080	3,112	3,116	3,130	3,276	3,218	3,207	3,205	3,247
1988	3,267	3,243	3,132	3,245	3,261	3,367	3,292	3,334	3,272	3,202	3,311	3,302
1989	3,164	3,251	3,324	3,300	3,258	3,304	3,315	3,287	3,231	3,278	3,264	3,222
Employed in nonagricultural industries, women, 16 to 19 years												
1985	3,099	3,159	3,129	3,055	3,049	2,883	3,035	3,011	3,078	3,042	3,116	3,038
1986	3,040	3,085	3,198	3,130	3,103	3,125	3,090	3,113	3,074	3,159	3,091	3,124
1987	3,109	3,107	3,174	3,215	3,282	3,176	3,235	3,357	3,193	3,202	3,242	3,287
1988	3,270	3,279	3,193	3,180	3,147	3,382	3,354	3,264	3,300	3,278	3,225	3,267
1989	3,283	3,247	3,244	3,272	3,242	3,242	3,140	3,234	3,246	3,233	3,252	3,178
Employed in nonagricultural industries, both sexes, 20 years and over												
1985	96,775	97,025	97,481	97,408	97,482	97,389	97,572	97,937	98,478	98,734	98,799	99,016
1986	99,537	99,209	99,370	99,553	99,704	100,184	100,474	100,711	100,682	100,820	101,023	101,411
1987	101,574	101,765	101,952	102,242	102,683	102,729	103,012	103,280	103,319	103,668	103,915	104,099
1988	104,235	104,518	104,575	105,001	104,757	105,104	105,329	105,505	105,662	105,945	106,220	106,380
1989	106,925	107,063	107,294	107,368	107,495	107,858	107,764	107,754	107,723	107,877	108,160	108,291
Employed in nonagricultural industries, men, 20 years and over												
1985	53,766	53,835	54,067	54,051	54,172	54,024	54,194	54,417	54,655	54,783	54,755	54,714
1986	55,270	54,995	55,006	55,056	55,014	55,133	55,233	55,416	55,341	55,379	55,629	55,903
1987	55,974	55,959	56,000	56,089	56,259	56,219	56,381	56,562	56,627	56,778	56,964	56,998
1988	57,000	57,248	57,144	57,532	57,379	57,498	57,617	57,595	57,774	57,757	57,768	57,841
1989	58,112	58,254	58,474	58,446	58,479	58,793	58,586	58,521	58,399	58,722	58,741	58,861
Employed in nonagricultural industries, women, 20 years and over												
1985	43,009	43,190	43,414	43,357	43,310	43,365	43,378	43,520	43,823	43,951	44,044	44,302
1986	44,267	44,214	44,364	44,497	44,690	45,051	45,241	45,295	45,341	45,441	45,394	45,508
1987	45,600	45,806	45,952	46,153	46,424	46,510	46,631	46,718	46,692	46,890	46,951	47,101
1988	47,235	47,270	47,431	47,469	47,378	47,606	47,712	47,910	47,888	48,188	48,452	48,539
1989	48,813	48,809	48,820	48,922	49,016	49,065	49,178	49,233	49,324	49,155	49,419	49,430
Employed total wage and salary workers												
1985	96,501	96,804	97,169	97,124	97,183	96,877	97,140	97,253	98,094	98,026	98,341	98,451
1986	99,291	98,949	99,311	99,414	99,428	99,836	99,887	100,110	100,349	100,424	100,484	100,770
1987	100,993	101,276	101,541	101,740	102,479	102,043	102,543	102,906	103,003	103,195	103,614	103,532
1988	103,912	104,177	103,910	104,257	103,682	104,478	104,753	104,789	105,170	105,449	105,524	105,640
1989	106,047	106,459	106,599	106,611	106,879	106,987	107,038	107,040	107,156	107,182	107,647	107,320
Employed wage and salary workers in agricultural industries												
1985	1,561	1,581	1,539	1,608	1,594	1,544	1,508	1,515	1,468	1,462	1,536	1,547
1986	1,610	1,493	1,599	1,545	1,503	1,521	1,525	1,527	1,543	1,544	1,591	1,616
1987	1,598	1,615	1,657	1,608	1,733	1,640	1,652	1,578	1,646	1,673	1,588	1,580
1988	1,617	1,643	1,606	1,700	1,601	1,588	1,568	1,552	1,615	1,654	1,657	1,686
1989	1,667	1,644	1,651	1,630	1,647	1,557	1,685	1,723	1,680	1,678	1,687	1,677
Employed nonagricultural private wage and salary workers												
1985	79,206	79,225	79,601	79,510	79,633	79,354	79,719	79,677	80,441	80,359	80,708	80,742
1986	81,371	81,293	81,529	81,597	81,547	81,958	81,765	82,128	82,458	82,650	82,514	82,750
1987	83,035	83,098	83,267	83,574	83,962	83,463	83,915	84,545	84,410	84,483	84,998	84,981
1988	85,253	85,573	85,364	85,478	85,080	85,784	86,148	86,121	86,427	86,570	86,538	86,602
1989	87,034	87,497	87,572	87,715	87,927	88,102	87,852	87,758	87,863	87,909	88,279	87,915
Employed government workers in nonagricultural industries												
1985	15,734	15,998	16,029	16,006	15,956	15,979	15,913	16,061	16,185	16,205	16,097	16,162
1986	16,310	16,163	16,183	16,272	16,378	16,357	16,597	16,455	16,348	16,230	16,379	16,404
1987	16,360	16,563	16,617	16,558	16,784	16,940	16,976	16,783	16,947	17,039	17,028	16,971
1988	17,042	16,961	16,940	17,079	17,001	17,106	17,037	17,116	17,128	17,225	17,329	17,352
1989	17,346	17,318	17,376	17,266	17,305	17,328	17,501	17,559	17,613	17,595	17,681	17,728

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Employed self-employed workers in agricultural industries												
1985	1,518	1,498	1,495	1,480	1,486	1,457	1,479	1,463	1,404	1,429	1,362	1,441
1986	1,489	1,429	1,444	1,457	1,473	1,517	1,434	1,403	1,454	1,436	1,430	1,395
1987	1,378	1,434	1,411	1,490	1,450	1,415	1,435	1,385	1,396	1,420	1,409	1,464
1988	1,437	1,404	1,416	1,386	1,377	1,374	1,354	1,406	1,410	1,399	1,468	1,355
1989	1,395	1,411	1,403	1,414	1,377	1,411	1,424	1,410	1,424	1,406	1,373	1,369
Employed self-employed workers in nonagricultural industries												
1985	7,780	7,725	7,841	7,753	7,745	7,720	7,711	7,844	7,832	7,961	7,944	7,836
1986	7,686	7,718	7,741	7,610	7,788	7,789	8,059	7,962	7,956	7,982	8,153	8,074
1987	8,195	8,199	8,098	8,075	8,123	8,267	8,231	8,222	8,205	8,304	8,176	8,298
1988	8,211	8,356	8,385	8,551	8,872	8,540	8,542	8,515	8,586	8,406	8,659	8,588
1989	8,681	8,541	8,631	8,643	8,573	8,578	8,602	8,621	8,581	8,610	8,528	8,653
Employed unpaid-family workers in agricultural industries												
1985	229	241	221	209	183	163	169	170	183	179	158	165
1986	172	168	171	167	170	159	170	167	163	166	214	147
1987	142	137	153	168	162	158	154	149	140	139	174	153
1988	137	120	144	153	155	161	149	154	134	180	140	147
1989	177	146	137	128	127	126	127	133	132	124	122	125
Employed unpaid-family workers in nonagricultural industries												
1985	333	328	323	300	291	292	276	293	261	254	260	260
1986	271	264	240	246	227	235	255	272	267	271	265	249
1987	246	260	266	259	260	275	269	252	290	247	240	260
1988	239	235	241	269	283	303	261	249	220	231	305	279
1989	298	290	319	277	299	245	248	272	279	280	264	251

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total at work on part-time schedules for economic reasons												
1985	5,629	5,273	5,718	5,629	5,828	5,618	5,583	5,750	5,602	5,459	5,494	5,512
1986	5,546	5,273	5,561	5,834	5,913	5,620	5,375	5,521	5,615	5,772	5,513	5,611
1987	5,495	5,576	5,464	5,362	5,386	5,245	5,423	5,323	5,315	5,464	5,526	5,272
1988	5,345	5,367	5,344	5,160	4,913	5,288	5,344	5,205	5,085	4,997	5,027	5,350
1989	5,082	4,987	4,978	5,086	4,883	4,928	4,773	4,802	4,864	4,767	4,803	4,802
Total at work on part-time schedules for economic reasons-slack work												
1985	2,459	2,207	2,600	2,532	2,646	2,542	2,399	2,478	2,451	2,218	2,307	2,374
1986	2,356	2,319	2,338	2,557	2,712	2,450	2,452	2,382	2,517	2,495	2,491	2,458
1987	2,446	2,449	2,424	2,343	2,339	2,329	2,413	2,464	2,262	2,405	2,430	2,280
1988	2,372	2,417	2,498	2,239	2,284	2,346	2,464	2,308	2,248	2,189	2,247	2,564
1989	2,328	2,314	2,283	2,346	2,314	2,315	2,301	2,281	2,321	2,314	2,297	2,277
Total at work on part-time schedules for economic reasons-could only find part-time work												
1985	2,830	2,794	2,736	2,724	2,844	2,764	2,799	2,881	2,830	2,886	2,904	2,847
1986	2,890	2,673	2,920	2,908	2,854	2,823	2,637	2,773	2,782	2,839	2,692	2,880
1987	2,720	2,768	2,705	2,713	2,681	2,576	2,685	2,537	2,707	2,696	2,717	2,621
1988	2,642	2,595	2,527	2,477	2,319	2,572	2,576	2,503	2,376	2,441	2,358	2,417
1989	2,363	2,339	2,368	2,375	2,307	2,269	2,172	2,142	2,161	2,082	2,162	2,106
Total at work on part-time schedules for noneconomic reasons-usually work part time												
1985	13,282	13,539	13,555	13,406	13,206	13,287	13,573	13,556	13,551	13,727	13,676	13,616
1986	13,866	13,843	13,803	13,815	13,798	14,091	13,926	13,918	13,941	14,275	14,047	13,837
1987	14,146	14,142	14,216	14,257	14,520	14,978	14,382	14,558	14,332	14,560	14,481	14,681
1988	14,567	14,638	14,615	14,854	14,826	14,660	14,977	14,959	15,224	15,203	15,506	15,355
1989	15,386	15,150	15,510	15,405	15,350	15,466	15,577	15,550	15,506	15,368	15,254	15,388
Nonagricultural workers on part-time schedules for economic reasons												
1985	5,390	5,072	5,433	5,355	5,511	5,318	5,335	5,460	5,345	5,232	5,281	5,282
1986	5,287	5,120	5,303	5,549	5,625	5,368	5,169	5,306	5,369	5,506	5,265	5,333
1987	5,185	5,343	5,172	5,075	5,105	4,948	5,173	5,043	5,031	5,164	5,238	4,999
1988	5,111	5,122	5,096	4,887	4,695	5,025	5,182	4,976	4,843	4,759	4,765	5,047
1989	4,831	4,722	4,720	4,855	4,643	4,738	4,583	4,567	4,605	4,526	4,552	4,554
Nonagricultural workers on part-time schedules for economic reasons-slack work												
1985	2,316	2,044	2,407	2,346	2,453	2,350	2,238	2,310	2,315	2,111	2,191	2,229
1986	2,210	2,187	2,164	2,384	2,571	2,318	2,288	2,255	2,359	2,343	2,357	2,283
1987	2,257	2,274	2,225	2,133	2,164	2,161	2,238	2,264	2,091	2,237	2,242	2,101
1988	2,232	2,278	2,313	2,091	2,169	2,179	2,310	2,165	2,096	2,066	2,092	2,379
1989	2,168	2,129	2,095	2,198	2,137	2,183	2,164	2,129	2,165	2,166	2,132	2,111
Nonagricultural workers on part-time schedules for economic reasons-could only find part-time work												
1985	2,742	2,723	2,646	2,647	2,759	2,677	2,719	2,784	2,728	2,794	2,806	2,737
1986	2,790	2,626	2,832	2,797	2,750	2,719	2,601	2,724	2,713	2,760	2,598	2,765
1987	2,623	2,698	2,601	2,638	2,597	2,456	2,614	2,487	2,632	2,597	2,633	2,525
1988	2,560	2,474	2,458	2,375	2,227	2,471	2,555	2,455	2,314	2,358	2,279	2,318
1989	2,287	2,272	2,290	2,310	2,246	2,198	2,104	2,076	2,095	2,021	2,097	2,051
Nonagricultural workers on part-time schedules for noneconomic reasons-usually work part time												
1985	12,820	13,084	13,097	12,943	12,734	12,862	13,158	13,087	13,086	13,279	13,230	13,189
1986	13,374	13,401	13,387	13,405	13,343	13,610	13,504	13,543	13,521	13,819	13,583	13,438
1987	13,717	13,669	13,736	13,797	14,003	14,451	13,892	14,098	13,923	14,112	14,036	14,190
1988	14,097	14,182	14,161	14,353	14,356	14,209	14,557	14,544	14,780	14,730	15,037	14,912
1989	14,947	14,707	15,074	14,975	14,977	15,016	15,138	15,071	15,076	14,936	14,805	14,983

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Total employment-population ratio, including resident Armed Forces												
1985	60.3	60.4	60.6	60.5	60.5	60.2	60.3	60.4	60.7	60.7	60.7	60.8
1986	61.0	60.7	60.8	60.8	60.9	61.1	61.1	61.2	61.2	61.2	61.3	61.4
1987	61.4	61.5	61.5	61.7	62.0	61.8	61.9	62.1	62.0	62.2	62.2	62.4
1988	62.4	62.4	62.3	62.6	62.3	62.7	62.6	62.7	62.7	62.8	63.0	63.0
1989	63.2	63.2	63.3	63.3	63.2	63.4	63.3	63.3	63.2	63.3	63.3	63.3
Total employment-population ratio, including resident Armed Forces, men												
1985	71.4	71.3	71.5	71.5	71.6	71.2	71.2	71.4	71.6	71.5	71.5	71.5
1986	71.8	71.4	71.5	71.4	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.7
1987	71.8	71.8	71.7	71.8	72.0	71.8	71.9	72.1	72.1	72.2	72.3	72.4
1988	72.3	72.5	72.1	72.7	72.4	72.6	72.5	72.5	72.7	72.5	72.6	72.6
1989	72.6	72.8	73.1	73.0	72.9	73.2	73.0	72.9	72.6	73.0	72.9	72.9
Total employment-population ratio, including resident Armed Forces, women												
1985	50.2	50.4	50.6	50.5	50.3	50.1	50.3	50.3	50.7	50.8	50.8	51.0
1986	51.0	50.8	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	52.1	52.3	52.7	52.6	52.8	53.0	52.7	52.9	53.0	53.1
1988	53.2	53.2	53.2	53.3	53.0	53.5	53.4	53.6	53.6	53.8	54.0	54.2
1989	54.4	54.3	54.2	54.3	54.3	54.3	54.3	54.5	54.5	54.3	54.6	54.4
Civilian employment-population ratio, all civilian workers												
1985	59.9	60.0	60.2	60.1	60.1	59.8	59.9	60.0	60.3	60.3	60.4	60.4
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	61.6	61.8	61.9	62.0
1988	62.0	62.1	62.0	62.2	62.0	62.3	62.3	62.3	62.4	62.5	62.6	62.6
1989	62.8	62.8	63.0	62.9	62.9	63.1	63.0	63.0	62.9	62.9	63.0	63.0
Civilian employment-population ratio, men												
1985	70.9	70.8	71.0	71.0	71.1	70.6	70.7	70.9	71.0	71.0	71.0	71.0
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	71.6	71.7	71.8	71.9
1988	71.8	72.0	71.6	72.2	71.9	72.1	72.1	72.1	72.2	72.1	72.2	72.1
1989	72.1	72.4	72.6	72.5	72.4	72.8	72.6	72.5	72.1	72.5	72.4	72.5
Civilian employment-population ratio, women												
1985	50.1	50.3	50.5	50.4	50.2	50.1	50.2	50.2	50.6	50.7	50.8	50.9
1986	50.9	50.8	51.0	51.0	51.2	51.5	51.6	51.7	51.7	51.8	51.7	51.7
1987	51.7	51.9	52.1	52.3	52.6	52.6	52.7	52.9	52.6	52.8	52.9	53.1
1988	53.1	53.1	53.2	53.2	53.0	53.4	53.4	53.5	53.5	53.8	54.0	54.1
1989	54.4	54.2	54.2	54.3	54.3	54.3	54.3	54.4	54.5	54.2	54.5	54.4
Civilian employment-population ratio, both sexes, 16 to 19 years												
1985	44.7	44.9	45.2	45.1	44.8	44.2	44.3	43.9	44.4	43.6	44.3	43.7
1986	43.6	44.3	45.1	45.0	44.9	44.8	44.6	44.7	44.7	45.2	44.4	44.1
1987	44.6	45.0	44.9	45.1	45.6	44.8	45.3	47.0	45.5	45.5	45.5	46.6
1988	46.8	46.7	45.3	45.9	45.8	48.3	47.5	47.3	47.5	46.7	47.3	47.1
1989	46.7	46.9	47.5	47.6	47.2	47.7	47.2	48.1	47.3	47.9	48.0	47.5
Civilian employment-population ratio, men, 16 to 19 years												
1985	46.3	45.8	46.8	47.2	46.7	45.7	45.6	45.3	45.4	44.5	44.9	44.8
1986	44.5	45.4	45.4	46.0	46.2	45.6	45.9	45.7	46.3	46.1	45.8	44.5
1987	45.7	46.6	45.3	45.4	45.5	45.4	45.5	47.3	46.5	46.5	46.0	47.4
1988	47.9	47.4	45.8	47.3	47.5	49.0	47.9	48.5	48.4	47.2	48.8	47.9
1989	46.6	47.8	48.9	48.7	48.1	49.1	49.4	49.8	47.9	49.1	48.5	48.8
Civilian employment-population ratio, women, 16 to 19 years												
1985	43.1	44.0	43.7	43.1	42.9	40.7	42.9	42.4	43.4	42.8	43.8	42.7
1986	42.8	43.3	44.7	43.9	43.6	44.0	43.4	43.7	43.1	44.2	43.1	43.6
1987	43.4	43.5	44.4	44.8	45.7	44.3	45.1	46.7	44.5	44.5	45.0	45.8
1988	45.7	45.9	44.8	44.5	44.1	47.6	47.0	46.0	46.6	46.3	45.7	46.3
1989	46.7	45.9	46.0	46.5	46.3	46.4	45.0	46.5	46.7	46.7	47.4	46.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 20 years and over												
1985	61.3	61.4	61.6	61.5	61.4	61.3	61.3	61.5	61.7	61.8	61.8	61.9
1986	62.1	61.7	61.8	61.8	61.9	62.1	62.2	62.2	62.2	62.2	62.3	62.5
1987	62.4	62.5	62.6	62.7	63.0	62.9	63.0	63.0	63.1	63.2	63.3	63.3
1988	63.3	63.4	63.4	63.6	63.4	63.5	63.5	63.6	63.7	63.8	63.9	64.0
1989	64.2	64.2	64.3	64.2	64.2	64.4	64.3	64.2	64.2	64.1	64.2	64.2
Civilian employment-population ratio, men, 20 years and over												
1985	73.2	73.2	73.3	73.2	73.4	73.0	73.1	73.3	73.5	73.5	73.4	73.4
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	73.7	73.8	74.0	74.1	74.2	74.1
1988	74.0	74.2	74.0	74.5	74.2	74.2	74.3	74.2	74.3	74.3	74.2	74.2
1989	74.4	74.5	74.7	74.6	74.5	74.9	74.6	74.4	74.2	74.5	74.5	74.5
Civilian employment-population ratio, women, 20 years and over												
1985	50.7	50.9	51.1	51.0	50.8	50.8	50.8	50.9	51.2	51.3	51.3	51.6
1986	51.6	51.4	51.5	51.6	51.8	52.1	52.3	52.4	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	53.5	53.6
1988	53.7	53.7	53.8	53.9	53.7	53.9	53.9	54.1	54.0	54.4	54.6	54.7
1989	55.0	54.9	54.8	54.9	54.9	54.9	55.0	55.0	55.1	54.8	55.0	55.0
Civilian employment-population ratio, both sexes, 20 to 24 years												
1985	69.6	69.2	69.2	69.5	69.3	69.2	69.0	69.2	70.0	70.2	70.1	70.6
1986	70.3	70.6	70.6	70.1	69.7	70.4	70.4	70.3	70.5	70.5	71.3	71.1
1987	71.4	71.2	71.2	71.0	71.3	70.7	71.2	71.8	71.4	71.5	71.8	71.6
1988	72.4	72.3	71.7	71.9	71.1	71.7	71.6	71.9	72.1	72.0	71.6	72.0
1989	71.7	72.1	72.6	72.3	72.0	72.4	72.8	72.3	71.4	71.1	71.3	70.6
Civilian employment-population ratio, men, 20 to 24 years												
1985	75.4	74.6	74.5	75.1	75.1	75.0	74.5	75.2	76.0	75.7	78.3	76.6
1986	76.8	77.1	76.9	75.5	74.8	75.9	76.2	76.0	75.9	76.8	77.2	77.4
1987	77.0	76.7	76.7	76.6	76.7	75.9	76.8	77.3	77.3	77.0	77.3	76.6
1988	77.1	77.2	77.2	77.6	77.2	77.4	77.5	77.8	78.3	77.5	77.7	77.6
1989	77.4	78.5	78.9	78.1	77.6	78.3	77.6	77.3	76.7	77.4	77.2	77.1
Civilian employment-population ratio, women, 20 to 24 years												
1985	64.1	64.0	64.1	64.1	63.9	63.8	63.9	63.5	64.3	65.0	64.3	65.0
1986	64.2	64.5	64.8	64.9	64.9	65.1	64.9	65.0	65.4	64.6	65.8	65.3
1987	66.1	66.0	66.1	65.8	66.2	65.8	65.9	66.2	65.8	66.3	66.7	66.8
1988	67.9	67.7	66.5	66.7	65.4	66.4	66.1	66.4	66.4	66.8	65.9	66.8
1989	66.2	66.1	66.7	66.8	66.8	66.9	68.0	67.5	66.4	65.1	65.8	64.6
Civilian employment-population ratio, both sexes, 25 years and over												
1985	60.1	60.3	60.5	60.3	60.3	60.2	60.2	60.3	60.5	60.6	60.6	60.7
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	62.2	62.3	62.4	62.6	62.4	62.5	62.6	62.6	62.6	62.8	63.0	63.0
1989	63.3	63.2	63.2	63.2	63.3	63.4	63.3	63.3	63.3	63.4	63.4	63.5
Civilian employment-population ratio, men, 25 years and over												
1985	72.9	73.0	73.1	72.9	73.1	72.7	72.9	73.0	73.1	73.1	73.1	73.0
1986	73.3	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	73.1	73.2	73.3	73.5	73.3	73.4	73.4	73.5	73.6	73.8	73.6
1988	73.6	73.8	73.6	74.0	73.7	73.6	73.9	73.8	73.9	73.9	73.8	73.8
1989	74.0	74.0	74.2	74.1	74.2	74.4	74.3	74.2	74.0	74.2	74.1	74.2
Civilian employment-population ratio, women, 25 years and over												
1985	48.8	49.0	49.3	49.2	49.0	49.1	49.1	49.1	49.4	49.5	49.6	49.8
1986	49.9	49.6	49.8	49.8	50.1	50.5	50.8	50.7	50.7	50.8	50.6	50.7
1987	50.7	50.9	51.0	51.2	51.6	51.7	51.8	51.8	51.7	51.9	51.9	52.0
1988	52.0	52.0	52.3	52.4	52.3	52.4	52.5	52.7	52.6	52.9	53.3	53.3
1989	53.7	53.5	53.4	53.5	53.5	53.5	53.5	53.6	53.8	53.7	53.8	53.9

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 25 to 54 years												
1985	76.4	76.5	76.6	76.6	76.5	76.4	76.5	76.7	77.0	77.0	77.1	77.1
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	77.8	78.0	78.2	78.5	78.4	78.5	78.6	78.6	78.7	78.8	78.8
1988	78.8	78.8	79.0	79.2	79.1	79.0	79.2	79.2	79.2	79.4	79.6	79.6
1989	79.9	79.8	79.8	79.7	79.8	79.9	79.9	80.0	80.0	80.0	80.1	80.1
Civilian employment-population ratio, men, 25 to 54 years												
1985	88.6	88.7	88.7	88.6	88.8	88.4	88.6	88.7	88.8	88.9	88.8	88.7
1986	89.0	88.4	88.5	88.5	88.2	88.4	88.3	88.6	88.6	88.3	88.6	88.8
1987	88.7	88.7	88.8	88.9	88.9	88.8	89.0	89.0	89.2	89.2	89.3	89.3
1988	89.3	89.4	89.3	89.8	89.4	89.3	89.6	89.4	89.6	89.6	89.6	89.5
1989	89.7	89.7	89.9	89.6	89.8	90.0	89.9	90.0	89.8	90.0	90.0	90.1
Civilian employment-population ratio, women, 25 to 54 years												
1985	64.8	64.9	65.2	65.2	64.8	65.1	65.0	65.3	65.7	65.7	65.9	66.1
1986	66.2	65.8	66.0	66.1	66.3	66.5	66.9	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	68.6	68.5	68.6	68.6	68.7
1988	68.7	68.6	69.1	69.0	69.2	69.2	69.4	69.6	69.3	69.7	70.0	70.0
1989	70.5	70.4	70.1	70.2	70.2	70.3	70.3	70.4	70.5	70.4	70.6	70.5
Civilian employment-population ratio, both sexes, 25 to 34 years												
1985	76.5	76.6	76.8	76.6	76.5	76.6	76.5	77.3	76.9	76.9	77.2	77.2
1986	77.3	76.7	77.0	77.0	76.9	77.2	77.0	77.2	77.3	77.2	77.6	77.6
1987	77.2	77.6	77.9	78.2	78.3	78.3	78.5	78.6	78.5	78.7	78.8	78.6
1988	78.6	78.8	78.7	79.0	78.9	78.6	78.6	78.5	78.8	78.8	78.8	79.3
1989	79.5	79.3	79.3	79.2	79.1	79.3	79.4	79.5	79.8	79.6	80.0	79.7
Civilian employment-population ratio, men, 25 to 34 years												
1985	88.3	88.4	88.3	88.3	88.5	88.2	88.4	88.3	88.5	88.5	88.6	88.6
1986	89.1	88.4	88.5	88.3	87.8	88.2	87.7	88.4	88.3	87.6	88.5	88.6
1987	88.2	88.5	88.6	88.9	89.0	88.9	89.1	89.0	89.2	89.3	89.5	89.3
1988	89.4	89.5	89.0	89.7	89.0	88.8	89.3	88.9	89.4	89.7	89.4	89.9
1989	90.0	89.7	90.0	89.7	89.7	89.9	89.8	90.2	89.9	89.9	90.3	90.1
Civilian employment-population ratio, women, 25 to 34 years												
1985	65.2	65.2	65.7	65.4	64.9	65.3	65.4	65.3	66.5	65.9	65.8	66.4
1986	65.9	65.4	65.9	66.2	66.4	66.5	66.6	66.5	66.8	67.2	67.1	66.9
1987	66.6	67.1	67.5	67.9	67.8	68.1	68.3	68.6	68.2	68.5	68.4	68.4
1988	68.2	68.4	68.7	68.7	69.2	68.8	68.5	68.7	68.1	68.3	68.6	69.2
1989	69.4	69.2	68.9	69.1	68.8	69.0	69.2	69.2	70.0	69.7	70.0	69.8
Civilian employment-population ratio, both sexes, 35 to 44 years												
1985	78.5	78.3	78.6	78.6	78.7	78.6	78.9	78.8	79.3	79.3	79.3	79.2
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	80.5	80.7	80.4	80.5	80.6	80.7	80.7	80.7	80.6
1988	80.6	80.5	81.0	81.2	80.9	81.2	81.4	81.5	81.6	81.7	82.0	81.4
1989	81.9	82.1	82.0	81.6	82.1	82.1	81.9	81.9	81.4	81.6	81.4	81.8
Civilian employment-population ratio, men, 35 to 44 years												
1985	90.5	90.2	90.4	90.4	90.7	90.0	90.4	90.5	90.5	90.7	90.3	90.0
1986	90.2	89.4	89.8	90.1	89.8	89.9	90.2	90.0	90.1	90.0	89.8	90.1
1987	90.6	90.5	90.3	90.3	90.2	90.2	90.3	90.6	90.7	90.4	90.6	90.5
1988	90.4	90.4	90.6	90.9	90.8	91.1	91.2	91.2	91.2	91.0	91.1	90.6
1989	90.7	91.1	91.2	90.7	91.3	91.4	91.1	90.7	90.8	90.9	90.8	91.2
Civilian employment-population ratio, women, 35 to 44 years												
1985	67.0	67.1	67.4	67.5	67.3	67.8	67.7	67.8	67.8	68.6	68.9	68.9
1986	69.0	68.7	68.6	68.6	69.0	69.2	69.8	70.3	70.3	70.3	69.5	70.3
1987	70.3	70.6	70.6	71.1	71.7	71.1	71.2	71.2	71.2	71.4	71.3	71.1
1988	71.3	71.1	71.9	71.9	71.5	71.8	72.1	72.3	72.5	72.7	73.2	72.6
1989	73.5	73.4	73.2	73.0	73.3	73.2	73.2	73.5	72.5	72.8	72.5	72.9

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 45 to 54 years												
1985	73.3	73.7	73.7	73.7	73.6	73.3	73.2	73.9	73.8	73.6	74.0	74.0
1986	74.5	74.3	74.1	74.2	74.1	74.3	74.7	74.6	74.8	75.1	75.0	75.2
1987	74.8	74.7	74.9	75.0	75.6	75.5	75.5	75.5	75.8	75.6	75.9	76.4
1988	76.3	76.4	76.6	76.5	76.7	76.6	77.0	77.2	76.9	77.1	77.4	77.3
1989	77.6	77.5	77.4	77.8	77.8	77.9	77.8	78.1	78.2	78.2	78.4	78.2
Civilian employment-population ratio, men, 45 to 54 years												
1985	86.5	86.9	86.9	86.5	86.8	86.5	86.5	86.8	87.0	86.8	87.1	87.2
1986	87.0	87.1	86.7	86.8	86.8	86.8	86.9	87.1	87.3	87.2	87.0	87.2
1987	86.9	86.5	86.8	86.7	87.0	86.6	86.8	86.9	87.1	87.1	87.3	87.7
1988	87.5	87.9	88.1	88.5	88.1	87.7	87.7	87.7	87.5	87.3	87.7	87.4
1989	87.7	87.6	87.8	88.0	88.0	88.3	88.2	88.5	88.5	88.8	88.5	88.6
Civilian employment-population ratio, women, 45 to 54 years												
1985	60.9	61.2	61.3	61.6	61.3	61.0	60.7	61.8	61.3	61.3	61.8	61.8
1986	62.8	62.4	62.4	62.4	62.1	62.6	63.2	62.9	63.2	63.8	63.7	63.9
1987	63.5	63.6	63.8	64.0	64.8	65.0	64.9	64.8	65.2	64.9	65.1	65.9
1988	65.8	65.6	65.9	65.3	66.1	66.2	66.9	67.3	67.0	67.6	67.7	67.9
1989	68.2	68.0	67.7	68.2	68.2	68.2	68.0	68.2	68.6	68.2	69.0	68.3
Civilian employment-population ratio, both sexes, 55 years and over												
1985	29.1	29.2	29.6	29.2	29.1	29.0	28.8	29.0	29.0	29.1	28.9	28.9
1986	29.0	28.6	28.7	28.9	29.0	29.3	29.3	29.2	28.9	28.7	28.9	28.8
1987	28.9	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	28.9	29.0	28.9	29.1	29.2	29.2	29.4	29.3
1989	29.5	29.3	29.5	29.6	29.6	29.4	29.5	29.2	29.3	29.2	29.1	29.3
Civilian employment-population ratio, men, 55 years and over												
1985	39.3	39.4	39.9	39.5	39.1	39.3	38.9	39.5	39.4	39.4	39.2	39.0
1986	39.4	38.5	38.8	38.9	39.0	38.9	38.7	38.5	38.4	38.4	38.7	39.0
1987	38.9	38.8	39.0	38.7	39.1	39.0	38.8	38.7	38.9	39.1	39.2	39.2
1988	38.6	38.9	38.5	38.6	38.5	38.7	38.5	38.7	38.6	38.5	38.3	38.4
1989	38.6	38.5	38.7	38.8	38.5	38.6	38.6	38.0	37.9	38.1	37.8	37.8
Civilian employment-population ratio, women, 55 years and over												
1985	21.1	21.3	21.5	21.3	21.3	21.0	21.0	20.9	20.9	21.1	21.0	21.0
1986	21.0	20.9	20.9	21.0	21.3	21.8	21.9	22.0	21.4	21.1	21.1	20.8
1987	21.1	21.0	20.9	21.0	21.2	21.4	21.5	21.6	21.3	21.6	21.4	21.5
1988	21.5	21.6	21.6	21.9	21.3	21.4	21.3	21.6	21.8	22.0	22.5	22.1
1989	22.3	22.2	22.4	22.3	22.6	22.2	22.3	22.3	22.5	22.3	22.3	22.5
Civilian employment-population ratio, both sexes, 55 to 64 years												
1985	51.6	51.8	52.4	52.0	51.8	51.8	51.7	52.0	51.7	51.9	51.7	51.5
1986	51.4	50.9	51.2	51.4	51.9	52.4	52.4	52.5	51.9	51.8	52.0	51.9
1987	52.3	52.1	52.1	52.2	52.6	52.6	52.5	52.3	52.5	53.0	52.9	52.9
1988	52.5	52.8	52.6	53.0	52.5	52.5	52.6	53.0	53.1	53.1	53.0	53.2
1989	53.5	53.5	53.9	53.8	53.7	53.9	53.9	53.5	53.8	53.7	53.9	53.9
Civilian employment-population ratio, men, 55 to 64 years												
1985	64.9	64.9	65.6	65.2	64.6	65.2	65.0	65.3	65.0	65.1	64.8	64.3
1986	64.3	63.2	63.9	64.3	64.8	64.6	64.4	64.2	64.4	64.5	64.8	65.0
1987	65.3	65.1	65.4	65.0	65.3	64.9	65.0	64.3	65.0	65.2	65.3	65.4
1988	64.8	65.2	64.7	65.0	64.7	64.4	64.6	64.8	64.7	64.5	64.1	64.5
1989	64.5	64.6	65.1	65.3	65.0	65.6	65.3	64.5	65.0	64.8	64.9	64.4
Civilian employment-population ratio, women, 55 to 64 years												
1985	39.9	40.2	40.7	40.3	40.4	39.9	40.0	40.2	40.0	40.3	40.1	40.2
1986	40.0	40.0	40.1	40.1	40.5	41.7	41.8	42.0	40.8	40.5	40.6	40.2
1987	40.9	40.6	40.4	40.9	41.2	41.6	41.5	41.7	41.4	42.1	41.9	41.9
1988	41.5	41.8	41.8	42.3	41.6	41.9	42.0	42.4	42.7	43.0	43.2	43.2
1989	43.7	43.5	43.9	43.7	43.8	43.5	43.8	43.6	43.9	43.7	44.0	44.5

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, both sexes, 65 years and over												
1985	10.4	10.5	10.7	10.5	10.4	10.3	10.1	10.3	10.4	10.5	10.4	10.5
1986	10.9	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	11.0	11.0	11.1	10.9	11.0	11.0	11.1
1988	11.0	11.2	11.1	11.2	11.0	11.2	10.9	11.0	11.1	11.3	11.8	11.4
1989	11.5	11.5	11.6	11.7	11.8	11.4	11.5	11.4	11.3	11.4	11.2	11.4
Civilian employment-population ratio, men, 65 years and over												
1985	15.1	15.3	15.7	15.3	15.1	15.0	14.6	15.3	15.6	15.6	15.3	15.5
1986	16.3	15.8	15.7	15.7	15.5	15.5	15.4	15.0	15.0	14.7	15.3	15.6
1987	15.3	15.2	15.5	15.4	15.9	16.2	15.8	16.3	16.0	16.3	16.4	16.4
1988	15.7	16.1	15.8	15.9	15.9	16.5	16.1	16.2	16.2	16.2	16.3	16.2
1989	16.6	16.5	16.7	16.8	16.4	16.2	16.4	16.0	15.5	15.9	15.5	16.0
Civilian employment-population ratio, women, 65 years and over												
1985	7.1	7.2	7.2	7.2	7.1	7.0	7.0	6.8	6.8	7.0	6.9	7.0
1986	7.0	7.0	6.9	7.2	7.3	7.4	7.5	7.5	7.5	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	7.2	7.4
1988	7.6	7.7	7.7	7.9	7.5	7.5	7.2	7.4	7.5	7.7	8.5	7.9
1989	7.9	7.9	8.0	8.1	8.5	8.0	8.1	8.1	8.3	8.1	8.1	8.1
Civilian employment-population ratio, white workers												
1985	60.7	60.9	61.1	61.0	61.0	60.6	60.8	60.8	61.2	61.3	61.3	61.3
1986	61.4	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	62.5	62.2	62.4	62.5	62.4	62.6	62.6	62.7
1988	62.8	62.9	62.8	63.1	62.9	63.2	63.0	63.1	63.2	63.3	63.5	63.4
1989	63.7	63.7	63.8	63.7	63.7	63.8	63.7	63.8	63.7	63.8	63.8	63.8
Civilian employment-population ratio, white men												
1985	72.2	72.2	72.4	72.4	72.5	72.0	72.1	72.1	72.4	72.5	72.5	72.4
1986	72.7	72.2	72.2	72.2	72.1	72.2	72.2	72.3	72.3	72.3	72.5	72.6
1987	72.5	72.5	72.4	72.4	72.8	72.5	72.6	72.8	72.8	72.9	72.9	73.1
1988	73.0	73.2	73.0	73.3	73.2	73.3	73.3	73.2	73.3	73.2	73.4	73.3
1989	73.5	73.6	73.9	73.7	73.7	73.9	73.7	73.7	73.3	73.8	73.7	73.7
Civilian employment-population ratio, white women												
1985	50.3	50.7	50.8	50.5	50.4	50.2	50.4	50.5	50.9	51.0	51.1	51.2
1986	51.2	51.0	51.2	51.3	51.4	51.8	52.0	52.1	52.0	52.1	51.9	52.1
1987	52.0	52.2	52.4	52.6	53.0	52.8	53.0	53.1	52.9	53.1	53.0	53.2
1988	53.3	53.4	53.5	53.7	53.5	53.8	53.6	53.8	53.9	54.1	54.3	54.3
1989	54.6	54.5	54.4	54.5	54.5	54.5	54.5	54.6	54.7	54.6	54.8	54.7
Civilian employment-population ratio, white workers, 16 to 19 years												
1985	48.8	49.3	49.5	49.0	48.8	47.3	48.4	47.3	48.6	48.0	48.7	48.0
1986	47.9	48.6	49.3	48.9	49.0	48.8	48.5	48.7	48.9	49.4	48.8	48.5
1987	49.0	49.3	48.8	49.1	50.0	48.7	49.3	50.0	49.0	49.4	49.4	50.8
1988	51.1	51.3	49.3	50.0	50.0	52.6	51.3	50.8	51.3	50.7	51.5	51.4
1989	51.3	51.0	51.7	51.7	51.3	51.6	50.6	52.0	51.5	52.0	52.0	51.2
Civilian employment-population ratio, white men, 16 to 19 years												
1985	50.4	49.7	50.8	51.3	50.9	50.1	50.0	48.4	49.4	48.8	49.4	48.9
1986	49.0	49.3	49.3	49.7	49.8	49.7	49.8	49.4	50.4	50.4	50.0	48.7
1987	49.8	50.7	49.0	49.0	49.7	49.2	49.3	50.1	50.0	50.3	49.8	51.3
1988	52.4	52.2	49.9	50.8	50.8	53.0	51.5	51.8	51.8	50.7	52.9	52.3
1989	51.3	51.7	52.8	53.0	52.3	52.7	52.6	53.7	52.1	53.0	52.5	52.2
Civilian employment-population ratio, white women, 16 to 19 years												
1985	47.2	48.9	48.0	46.7	46.6	44.4	46.8	46.2	47.8	47.2	48.1	47.2
1986	46.7	47.9	49.2	48.0	48.1	47.9	47.2	48.0	47.3	48.4	47.6	48.2
1987	48.1	47.9	48.6	49.3	50.4	48.3	49.2	50.0	48.0	48.5	49.1	50.2
1988	49.8	50.4	48.7	49.3	49.2	52.1	51.2	49.8	50.8	50.7	50.0	50.5
1989	51.2	50.3	50.5	50.5	50.4	50.5	48.6	50.4	50.9	51.1	51.6	50.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, white workers, 20 years and over												
1985	61.8	61.9	62.1	62.0	62.0	61.8	61.8	62.0	62.2	62.4	62.4	62.4
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	63.0	63.1	63.5	63.3	63.4	63.5	63.5	63.6	63.7	63.7
1988	63.7	63.9	63.9	64.1	64.0	64.0	64.0	64.1	64.2	64.3	64.4	64.4
1989	64.6	64.7	64.7	64.7	64.7	64.8	64.7	64.7	64.6	64.7	64.8	64.8
Civilian employment-population ratio, white men, 20 years and over												
1985	74.2	74.2	74.3	74.2	74.4	74.0	74.0	74.2	74.5	74.6	74.5	74.4
1986	74.7	74.2	74.2	74.2	74.0	74.2	74.1	74.3	74.2	74.2	74.5	74.6
1987	74.5	74.4	74.4	74.5	74.8	74.5	74.6	74.7	74.8	74.8	75.0	75.0
1988	74.8	75.1	74.9	75.2	75.1	75.1	75.1	75.1	75.2	75.2	75.1	75.1
1989	75.4	75.4	75.7	75.5	75.4	75.7	75.4	75.4	75.1	75.5	75.4	75.5
Civilian employment-population ratio, white women, 20 years and over												
1985	50.5	50.8	51.0	50.8	50.7	50.7	50.7	50.8	51.1	51.3	51.4	51.5
1986	51.5	51.2	51.4	51.5	51.7	52.1	52.4	52.4	52.4	52.4	52.3	52.4
1987	52.4	52.5	52.7	52.8	53.2	53.1	53.3	53.3	53.3	53.4	53.3	53.5
1988	53.6	53.7	53.9	54.0	53.8	53.9	53.8	54.1	54.1	54.3	54.6	54.6
1989	54.9	54.8	54.7	54.8	54.8	54.8	54.9	54.9	55.0	54.9	55.0	55.0
Civilian employment-population ratio, black workers												
1985	53.5	52.9	53.3	53.5	53.3	53.7	53.3	53.7	53.3	53.4	53.1	53.8
1986	54.0	53.9	54.3	54.5	54.7	54.3	54.0	53.2	53.7	54.1	54.1	54.3
1987	54.4	54.9	54.8	55.0	55.0	55.4	55.8	56.4	55.8	56.4	56.4	56.4
1988	56.4	56.0	55.6	56.0	55.7	55.8	56.7	56.6	56.6	56.9	56.8	57.0
1989	56.8	56.8	57.1	56.7	57.0	57.0	57.3	56.8	56.6	56.5	56.6	56.3
Civilian employment-population ratio, black men												
1985	59.8	59.6	59.6	59.7	59.9	60.1	59.9	60.9	60.3	59.9	59.4	60.1
1986	60.7	60.5	61.0	61.0	61.5	60.9	60.6	59.4	59.8	60.2	60.4	61.2
1987	61.2	61.5	61.6	61.7	61.3	61.6	62.2	62.7	62.4	62.6	62.7	62.5
1988	62.7	62.1	61.6	63.2	62.6	62.4	62.5	63.0	63.1	63.2	62.9	63.0
1989	62.7	62.8	63.2	62.4	62.6	63.2	63.6	62.6	62.4	62.5	62.5	62.3
Civilian employment-population ratio, black women												
1985	48.4	47.5	48.2	48.5	48.0	48.6	47.9	47.8	47.7	48.1	48.0	48.6
1986	48.5	48.5	48.9	49.2	49.1	49.0	48.7	48.2	48.8	49.1	48.9	48.7
1987	48.8	49.5	49.3	49.6	49.9	50.4	50.6	51.2	50.4	51.4	51.3	51.5
1988	51.2	51.0	50.7	50.2	50.1	50.3	51.9	51.3	51.3	51.7	51.9	52.0
1989	52.1	52.0	52.1	52.0	52.4	51.9	52.3	52.0	51.9	51.6	51.8	51.4
Civilian employment-population ratio, black workers, 16 to 19 years												
1985	24.4	23.6	24.7	25.6	25.6	23.7	25.4	25.5	24.1	24.7	23.5	24.1
1986	25.0	25.6	25.7	26.0	26.5	26.3	24.1	22.4	24.4	25.9	24.4	24.4
1987	25.0	26.0	25.7	25.3	25.3	26.2	26.4	31.4	29.2	28.7	28.0	27.9
1988	27.1	24.9	24.8	26.4	27.4	27.8	28.5	28.8	28.7	28.7	28.4	28.8
1989	27.1	28.8	27.9	28.1	28.1	28.7	31.6	28.7	26.6	28.6	29.7	30.9
Civilian employment-population ratio, black men, 16 to 19 years												
1985	25.0	25.3	26.4	27.5	27.1	24.6	26.9	29.2	26.4	27.0	22.7	26.7
1986	26.0	28.0	26.7	27.5	29.8	26.8	25.3	24.7	25.7	25.7	24.9	25.9
1987	28.4	27.2	27.2	26.6	25.9	27.3	27.9	32.8	29.4	29.7	30.0	29.2
1988	28.6	23.9	23.9	29.8	31.4	30.0	31.1	30.4	30.5	30.9	30.7	30.3
1989	28.0	31.1	30.6	27.3	26.6	32.9	35.8	31.7	27.2	30.4	31.7	33.3
Civilian employment-population ratio, black women, 16 to 19 years												
1985	23.8	22.0	23.1	23.8	24.2	22.8	24.0	22.0	21.9	22.6	24.2	21.6
1986	24.0	23.4	24.7	24.5	23.4	25.7	23.0	20.2	23.2	26.0	24.0	22.9
1987	21.8	24.8	24.3	24.0	24.7	25.1	24.9	30.1	28.9	27.7	26.0	26.7
1988	25.7	25.9	25.6	23.2	23.4	25.6	26.0	27.1	26.9	26.4	26.2	27.4
1989	26.3	26.6	25.2	28.9	29.6	24.6	27.5	25.8	26.0	26.9	27.7	28.6

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Civilian employment-population ratio, black workers, 20 years and over												
1985	57.1	56.6	56.8	57.0	56.7	57.4	56.7	57.1	56.9	56.9	56.7	57.4
1986	57.5	57.3	57.8	57.9	58.0	57.7	57.6	56.9	57.2	57.5	57.6	57.8
1987	57.8	58.3	58.3	58.6	58.5	58.9	59.3	59.3	58.9	59.7	59.8	59.8
1988	59.8	59.6	59.2	59.5	59.1	59.1	60.0	59.8	59.9	60.2	60.2	60.3
1989	60.3	60.1	60.5	60.0	60.3	60.2	60.3	60.0	60.1	59.7	59.6	59.2
Civilian employment-population ratio, black men, 20 years and over												
1985	64.6	64.4	64.2	64.1	64.4	65.0	64.4	65.2	65.0	64.4	64.4	64.6
1986	65.3	64.9	65.5	65.5	65.7	65.5	65.2	64.0	64.4	64.8	65.1	65.8
1987	65.5	66.0	66.2	66.4	65.9	66.2	66.7	66.7	66.8	66.9	67.0	66.8
1988	67.1	67.1	66.5	67.6	66.7	66.7	66.7	67.3	67.3	67.4	67.1	67.3
1989	67.2	66.9	67.4	66.9	67.3	67.1	67.1	66.6	67.0	66.6	66.4	66.0
Civilian employment-population ratio, black women, 20 years and over												
1985	51.2	50.4	51.0	51.3	50.7	51.5	50.6	50.7	50.6	50.9	50.6	51.6
1986	51.2	51.3	51.6	51.9	51.9	51.5	51.5	51.3	51.6	51.6	51.6	51.5
1987	51.7	52.2	52.0	52.3	52.6	53.1	53.4	53.5	52.7	53.9	54.0	54.2
1988	54.0	53.7	53.4	53.1	53.0	53.0	54.7	53.9	53.9	54.4	54.7	54.7
1989	54.8	54.7	55.0	54.4	54.8	54.7	54.9	54.8	54.6	54.2	54.2	53.8
Civilian employment-population ratio, Hispanic-origin workers												
1985	57.2	58.0	57.9	57.5	57.4	57.5	57.5	58.6	58.8	58.1	57.5	57.6
1986	57.5	57.0	58.0	58.2	57.9	58.7	58.9	58.6	58.8	59.1	59.6	59.4
1987	59.4	59.6	59.9	60.4	61.0	60.3	60.2	61.0	60.6	61.1	61.1	61.5
1988	62.7	62.4	61.1	60.9	60.9	61.9	62.0	61.5	62.6	62.3	62.4	62.4
1989	62.3	62.8	62.9	62.3	62.6	62.0	62.1	61.7	61.6	61.7	62.0	62.0

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed, all civilian workers												
1985	8,423	8,321	8,339	8,395	8,302	8,460	8,513	8,196	8,248	8,298	8,128	8,138
1986	7,783	8,422	8,368	8,380	8,446	8,491	8,327	8,133	8,311	8,245	8,161	7,886
1987	7,855	7,879	7,845	7,580	7,589	7,372	7,312	7,276	7,105	7,202	7,016	6,927
1988	6,910	6,930	6,861	6,646	6,819	6,528	6,668	6,855	6,613	6,518	6,498	6,509
1989	6,625	6,360	6,198	6,531	6,419	6,569	6,577	6,520	6,604	6,563	6,652	6,658
Unemployed men												
1985	4,575	4,548	4,490	4,577	4,425	4,642	4,663	4,471	4,466	4,571	4,434	4,402
1986	4,197	4,544	4,530	4,540	4,655	4,668	4,671	4,486	4,661	4,566	4,524	4,426
1987	4,367	4,353	4,302	4,222	4,268	4,163	4,060	4,060	3,858	3,894	3,778	3,753
1988	3,745	3,675	3,787	3,567	3,761	3,593	3,630	3,804	3,590	3,579	3,543	3,550
1989	3,640	3,504	3,286	3,566	3,429	3,464	3,427	3,485	3,679	3,553	3,624	3,582
Unemployed women												
1985	3,848	3,773	3,849	3,818	3,877	3,818	3,850	3,725	3,782	3,727	3,694	3,736
1986	3,586	3,878	3,838	3,840	3,791	3,823	3,656	3,647	3,650	3,679	3,637	3,460
1987	3,488	3,526	3,543	3,358	3,321	3,209	3,252	3,216	3,247	3,308	3,238	3,174
1988	3,165	3,255	3,074	3,079	3,058	2,935	3,038	3,051	3,023	2,939	2,955	2,959
1989	2,985	2,856	2,912	2,965	2,990	3,105	3,150	3,035	2,925	3,010	3,028	3,076
Unemployed both sexes, 16 to 19 years												
1985	1,507	1,468	1,464	1,396	1,470	1,421	1,616	1,377	1,401	1,576	1,434	1,494
1986	1,396	1,486	1,449	1,543	1,485	1,531	1,466	1,434	1,462	1,411	1,430	1,360
1987	1,377	1,431	1,418	1,369	1,410	1,269	1,285	1,319	1,280	1,395	1,326	1,297
1988	1,284	1,245	1,315	1,264	1,222	1,134	1,259	1,270	1,251	1,199	1,092	1,180
1989	1,294	1,172	1,104	1,160	1,187	1,235	1,188	1,187	1,188	1,186	1,220	1,203
Unemployed, men, 16 to 19 years												
1985	810	809	775	765	785	781	906	796	772	893	792	796
1986	717	790	770	820	811	835	811	790	794	742	751	718
1987	747	772	775	767	790	681	672	761	699	709	692	721
1988	678	640	727	655	647	655	739	682	690	678	586	635
1989	753	677	601	644	668	662	606	629	637	661	690	665
Unemployed, women, 16 to 19 years												
1985	697	659	689	631	685	640	710	581	629	683	642	698
1986	679	696	679	723	674	696	655	644	668	669	679	642
1987	630	659	643	602	620	588	613	558	581	686	634	576
1988	606	605	588	609	575	479	520	588	561	521	506	545
1989	541	495	503	516	519	573	582	558	551	525	530	538
Unemployed both sexes, 20 years and over												
1985	6,916	6,853	6,875	6,999	6,832	7,039	6,897	6,819	6,847	6,722	6,694	6,644
1986	6,387	6,936	6,919	6,837	6,961	6,960	6,861	6,699	6,849	6,834	6,731	6,526
1987	6,478	6,448	6,427	6,211	6,179	6,103	6,027	5,957	5,825	5,807	5,690	5,630
1988	5,626	5,685	5,546	5,382	5,597	5,394	5,409	5,585	5,362	5,319	5,406	5,329
1989	5,331	5,188	5,094	5,371	5,232	5,334	5,389	5,333	5,416	5,377	5,432	5,455
Unemployed men, 20 years and over												
1985	3,765	3,739	3,715	3,812	3,640	3,861	3,757	3,675	3,694	3,678	3,642	3,606
1986	3,480	3,754	3,760	3,720	3,844	3,833	3,860	3,696	3,867	3,824	3,773	3,708
1987	3,620	3,581	3,527	3,455	3,478	3,482	3,388	3,299	3,159	3,185	3,086	3,032
1988	3,067	3,035	3,060	2,912	3,114	2,938	2,891	3,122	2,900	2,901	2,957	2,915
1989	2,887	2,827	2,685	2,922	2,761	2,802	2,821	2,856	3,042	2,892	2,934	2,917
Unemployed women, 20 years and over												
1985	3,151	3,114	3,160	3,187	3,192	3,178	3,140	3,144	3,153	3,044	3,052	3,038
1986	2,907	3,182	3,159	3,117	3,117	3,127	3,001	3,003	2,982	3,010	2,958	2,818
1987	2,858	2,867	2,900	2,756	2,701	2,621	2,639	2,658	2,666	2,622	2,604	2,598
1988	2,559	2,650	2,486	2,470	2,483	2,456	2,518	2,463	2,462	2,418	2,449	2,414
1989	2,444	2,361	2,409	2,449	2,471	2,532	2,568	2,477	2,374	2,485	2,498	2,538

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed both sexes, 20 to 24 years												
1985	1,753	1,786	1,767	1,743	1,756	1,739	1,731	1,717	1,718	1,742	1,732	1,675
1986	1,630	1,707	1,663	1,676	1,727	1,625	1,647	1,601	1,730	1,634	1,542	1,643
1987	1,616	1,606	1,544	1,530	1,479	1,494	1,454	1,400	1,406	1,305	1,297	1,251
1988	1,320	1,308	1,339	1,272	1,300	1,211	1,237	1,225	1,194	1,236	1,227	1,246
1989	1,303	1,171	1,127	1,207	1,125	1,250	1,231	1,250	1,238	1,242	1,252	1,225
Unemployed men, 20 to 24 years												
1985	962	984	979	943	971	968	949	917	905	934	926	879
1986	868	884	924	944	937	876	906	846	976	858	866	909
1987	853	880	818	824	785	823	795	740	718	691	703	663
1988	744	700	708	684	698	624	650	667	628	686	654	648
1989	706	625	564	616	592	670	657	701	724	688	690	696
Unemployed women, 20 to 24 years												
1985	791	802	788	800	785	771	782	800	813	808	806	796
1986	762	823	739	732	790	749	741	755	754	776	676	734
1987	763	726	726	706	694	671	659	660	688	614	594	588
1988	576	608	631	588	602	587	587	558	566	550	573	598
1989	597	546	563	591	533	580	574	549	514	554	562	529
Unemployed both sexes, 25 years and over												
1985	5,187	5,070	5,117	5,283	5,029	5,276	5,143	5,108	5,167	4,983	4,952	4,969
1986	4,788	5,231	5,265	5,191	5,180	5,311	5,181	5,103	5,156	5,200	5,177	4,890
1987	4,905	4,847	4,898	4,696	4,645	4,568	4,531	4,559	4,453	4,505	4,384	4,381
1988	4,348	4,381	4,225	4,115	4,242	4,160	4,128	4,355	4,192	4,089	4,182	4,098
1989	4,073	4,026	3,981	4,159	4,060	4,054	4,106	4,069	4,197	4,144	4,188	4,242
Unemployed men, 25 years and over												
1985	2,817	2,760	2,740	2,899	2,617	2,871	2,793	2,768	2,805	2,742	2,715	2,728
1986	2,635	2,873	2,843	2,806	2,853	2,936	2,934	2,857	2,903	2,964	2,906	2,802
1987	2,803	2,707	2,722	2,647	2,640	2,631	2,567	2,561	2,449	2,495	2,385	2,374
1988	2,362	2,342	2,370	2,233	2,363	2,295	2,214	2,451	2,272	2,222	2,313	2,277
1989	2,225	2,212	2,138	2,298	2,118	2,102	2,132	2,143	2,313	2,214	2,258	2,238
Unemployed women, 25 years and over												
1985	2,370	2,310	2,377	2,384	2,412	2,405	2,350	2,340	2,362	2,241	2,237	2,241
1986	2,153	2,358	2,422	2,385	2,327	2,375	2,247	2,246	2,253	2,236	2,271	2,088
1987	2,102	2,140	2,176	2,049	2,005	1,937	1,964	1,998	2,004	2,010	1,999	2,007
1988	1,986	2,039	1,855	1,882	1,879	1,865	1,914	1,904	1,920	1,867	1,869	1,821
1989	1,848	1,814	1,843	1,861	1,942	1,952	1,974	1,926	1,884	1,930	1,930	2,004
Unemployed both sexes, 25 to 54 years												
1985	4,587	4,480	4,508	4,676	4,422	4,618	4,506	4,475	4,552	4,397	4,361	4,377
1986	4,239	4,598	4,617	4,621	4,682	4,740	4,616	4,503	4,543	4,585	4,601	4,369
1987	4,463	4,399	4,363	4,194	4,158	4,088	4,082	4,033	3,924	4,002	3,867	3,906
1988	3,869	3,895	3,758	3,670	3,775	3,710	3,680	3,837	3,733	3,645	3,749	3,641
1989	3,629	3,569	3,558	3,731	3,637	3,546	3,629	3,568	3,701	3,652	3,688	3,744
Unemployed men, 25 to 54 years												
1985	2,476	2,406	2,390	2,539	2,281	2,482	2,404	2,409	2,427	2,374	2,356	2,367
1986	2,327	2,509	2,468	2,460	2,553	2,572	2,590	2,457	2,500	2,560	2,559	2,441
1987	2,530	2,431	2,397	2,323	2,321	2,320	2,269	2,215	2,134	2,192	2,080	2,089
1988	2,057	2,064	2,071	1,964	2,065	1,997	1,938	2,106	2,000	1,938	2,051	1,990
1989	1,976	1,933	1,890	2,038	1,863	1,815	1,858	1,821	1,978	1,919	1,967	1,917
Unemployed women, 25 to 54 years												
1985	2,111	2,074	2,118	2,137	2,141	2,136	2,102	2,066	2,125	2,023	2,005	2,010
1986	1,912	2,089	2,149	2,161	2,129	2,168	2,026	2,046	2,043	2,025	2,042	1,928
1987	1,933	1,968	1,966	1,871	1,837	1,768	1,813	1,818	1,790	1,810	1,787	1,817
1988	1,812	1,831	1,687	1,706	1,710	1,713	1,742	1,731	1,733	1,707	1,698	1,651
1989	1,653	1,636	1,668	1,693	1,774	1,731	1,771	1,747	1,723	1,733	1,721	1,827

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed both sexes, 25 to 34 years												
1985	2,371	2,329	2,282	2,429	2,332	2,360	2,323	2,340	2,408	2,336	2,322	2,269
1986	2,177	2,411	2,412	2,433	2,442	2,426	2,456	2,368	2,412	2,424	2,439	2,327
1987	2,402	2,279	2,232	2,196	2,170	2,091	2,066	2,067	1,972	1,953	1,984	2,057
1988	1,994	1,949	1,970	1,877	1,893	1,955	1,865	1,995	1,946	1,900	1,963	1,814
1989	1,797	1,811	1,810	1,914	1,948	1,852	1,872	1,774	1,911	1,835	1,807	1,868
Unemployed men, 25 to 34 years												
1985	1,282	1,251	1,218	1,313	1,209	1,246	1,222	1,250	1,284	1,233	1,214	1,204
1986	1,165	1,270	1,264	1,294	1,331	1,303	1,381	1,254	1,311	1,352	1,330	1,285
1987	1,359	1,246	1,209	1,188	1,183	1,181	1,121	1,140	1,054	1,095	1,071	1,105
1988	1,069	1,035	1,088	1,018	1,043	1,048	986	1,109	1,043	995	1,082	957
1989	942	960	949	1,048	964	934	929	861	1,018	942	936	934
Unemployed women, 25 to 34 years												
1985	1,089	1,078	1,064	1,116	1,123	1,114	1,101	1,090	1,124	1,103	1,108	1,065
1986	1,012	1,141	1,148	1,139	1,111	1,123	1,075	1,114	1,101	1,072	1,109	1,042
1987	1,043	1,033	1,023	1,008	987	910	945	927	918	858	913	952
1988	925	914	882	859	850	907	879	886	903	905	881	857
1989	855	851	861	866	984	918	943	913	893	893	871	934
Unemployed both sexes, 35 to 44 years												
1985	1,368	1,320	1,358	1,350	1,336	1,453	1,358	1,339	1,326	1,268	1,301	1,309
1986	1,254	1,418	1,402	1,399	1,413	1,443	1,353	1,347	1,347	1,398	1,417	1,312
1987	1,336	1,330	1,376	1,268	1,264	1,264	1,293	1,242	1,278	1,304	1,187	1,206
1988	1,217	1,252	1,192	1,146	1,233	1,132	1,154	1,192	1,090	1,113	1,114	1,144
1989	1,135	1,137	1,103	1,162	1,089	1,091	1,148	1,165	1,198	1,171	1,232	1,206
Unemployed men, 35 to 44 years												
1985	711	697	709	727	677	780	712	678	687	665	705	731
1986	723	817	753	714	751	798	750	773	761	798	798	742
1987	755	719	725	680	697	685	716	661	664	693	629	625
1988	616	637	632	619	671	596	598	639	583	591	589	623
1989	634	618	606	634	582	573	592	608	638	611	671	619
Unemployed women, 35 to 44 years												
1985	657	623	649	623	659	673	646	661	639	603	596	578
1986	531	601	649	685	662	645	603	574	586	600	619	570
1987	581	611	651	588	567	579	577	581	614	611	558	581
1988	601	615	560	527	562	536	556	553	507	522	525	521
1989	501	519	497	528	507	518	556	557	560	560	561	587
Unemployed both sexes, 45 to 54 years												
1985	848	831	868	897	754	805	825	796	818	793	738	799
1986	808	769	803	789	827	871	807	788	784	763	745	730
1987	725	790	755	730	724	733	723	724	874	745	696	643
1988	658	694	596	647	649	623	661	650	697	632	672	683
1989	697	621	645	655	600	603	609	629	592	646	649	670
Unemployed men, 45 to 54 years												
1985	483	458	463	499	395	456	470	481	456	476	437	432
1986	439	422	451	452	471	471	459	430	428	410	431	414
1987	416	466	463	455	441	454	432	414	416	404	380	359
1988	372	392	351	327	351	353	354	358	374	352	380	410
1989	400	355	335	356	317	306	337	352	322	366	360	364
Unemployed women, 45 to 54 years												
1985	365	373	405	398	359	349	355	315	362	317	301	367
1986	369	347	352	337	356	400	348	358	356	353	314	316
1987	309	324	292	275	283	279	291	310	258	341	316	284
1988	286	302	245	320	298	270	307	292	323	280	292	273
1989	297	266	310	299	283	295	272	277	270	280	289	306

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed both sexes, 55 years and over												
1985	643	590	595	616	630	659	661	625	592	581	559	573
1986	589	636	631	582	534	574	577	574	588	606	561	508
1987	480	450	521	519	517	485	462	493	504	489	506	467
1988	512	483	463	464	498	447	449	479	439	422	426	452
1989	462	459	419	454	453	507	480	473	465	464	496	494
Unemployed men, 55 years and over												
1985	385	356	339	358	356	392	409	345	357	361	347	339
1986	347	371	366	349	326	360	356	371	379	395	351	339
1987	307	287	319	333	337	308	309	313	294	294	312	271
1988	333	287	302	281	311	283	280	304	254	271	274	277
1989	261	290	250	282	265	275	278	293	310	280	303	314
Unemployed women, 55 years and over												
1985	258	234	256	258	274	267	252	280	235	220	212	234
1986	242	265	265	233	208	214	221	203	209	211	210	169
1987	173	163	202	186	180	177	153	180	210	195	194	196
1988	179	196	161	183	187	164	169	175	185	151	152	175
1989	201	169	169	172	188	232	202	180	155	184	193	180
Unemployed both sexes, 55 to 64 years												
1985	538	507	496	516	542	564	555	533	512	489	470	484
1986	498	533	521	499	447	476	490	486	492	515	478	430
1987	408	376	432	447	448	428	388	398	411	414	421	381
1988	413	404	382	386	393	351	351	393	365	351	342	360
1989	388	354	347	344	367	416	395	386	376	370	401	399
Unemployed men, 55 to 64 years												
1985	316	305	281	307	308	338	343	302	309	304	289	286
1986	293	310	305	297	265	292	300	312	317	332	298	294
1987	264	236	263	280	291	274	261	248	245	253	265	218
1988	270	245	256	242	255	226	223	261	218	223	227	221
1989	229	230	215	216	222	228	235	239	257	228	245	264
Unemployed women, 55 to 64 years												
1985	222	202	215	209	234	226	212	231	203	185	181	198
1986	205	223	216	202	182	184	190	174	175	183	180	136
1987	144	140	169	167	157	154	127	150	166	161	156	163
1988	143	159	126	144	138	125	128	132	147	128	115	139
1989	159	124	132	128	145	188	160	147	119	142	156	135
Unemployed both sexes, 65 years and over												
1985	105	83	99	100	88	95	106	92	80	92	89	89
1986	91	103	110	83	87	98	87	88	96	91	83	78
1987	72	74	89	72	69	57	74	95	93	75	85	86
1988	99	79	81	78	105	96	98	86	74	71	84	92
1989	74	105	72	110	86	91	85	87	89	94	95	95
Unemployed men, 65 years and over												
1985	69	51	58	51	48	54	66	43	48	57	58	53
1986	54	61	61	52	61	68	56	59	62	63	53	45
1987	43	51	56	53	46	34	48	65	49	41	47	53
1988	63	42	46	39	56	57	57	43	36	48	47	56
1989	32	60	35	66	43	47	43	54	53	52	58	50
Unemployed women, 65 years and over												
1985	36	32	41	49	40	41	40	49	32	35	31	36
1986	37	42	49	31	26	30	31	29	34	28	30	33
1987	29	23	33	19	23	23	26	30	44	34	38	33
1988	36	37	35	39	49	39	41	43	38	23	37	36
1989	42	45	37	44	43	44	42	33	36	42	37	45

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed white workers												
1985	6,302	6,152	6,211	6,266	6,157	6,472	6,335	6,188	6,108	6,153	5,914	6,029
1986	5,762	6,377	6,264	6,201	6,305	6,334	6,207	5,995	6,152	6,138	6,096	5,911
1987	5,858	5,870	5,828	5,624	5,599	5,517	5,341	5,339	5,256	5,350	5,172	5,094
1988	5,129	5,107	4,981	4,813	4,943	4,835	4,893	5,117	4,990	4,843	4,806	4,805
1989	4,862	4,573	4,513	4,808	4,720	4,791	4,838	4,801	4,814	4,756	4,843	4,864
Unemployed white men												
1985	3,472	3,436	3,388	3,471	3,330	3,643	3,565	3,452	3,350	3,424	3,292	3,293
1986	3,139	3,465	3,460	3,429	3,538	3,552	3,525	3,343	3,506	3,447	3,453	3,400
1987	3,348	3,359	3,336	3,226	3,218	3,209	3,043	3,044	2,933	3,020	2,870	2,833
1988	2,871	2,721	2,855	2,668	2,800	2,709	2,729	2,912	2,779	2,730	2,685	2,707
1989	2,735	2,600	2,469	2,646	2,560	2,588	2,583	2,605	2,776	2,633	2,697	2,655
Unemployed white women												
1985	2,830	2,716	2,823	2,795	2,827	2,829	2,770	2,736	2,758	2,729	2,622	2,736
1986	2,623	2,912	2,804	2,772	2,767	2,782	2,682	2,652	2,646	2,691	2,643	2,511
1987	2,510	2,511	2,492	2,398	2,381	2,308	2,298	2,295	2,323	2,330	2,302	2,261
1988	2,258	2,386	2,126	2,145	2,143	2,126	2,164	2,205	2,211	2,113	2,121	2,098
1989	2,127	1,973	2,044	2,162	2,160	2,203	2,255	2,196	2,038	2,123	2,146	2,209
Unemployed white workers, 16 to 19 years												
1985	1,103	1,062	1,075	1,024	1,087	1,071	1,124	1,036	1,015	1,162	1,034	1,085
1986	1,004	1,099	1,029	1,114	1,085	1,127	1,046	1,071	1,084	1,066	1,102	1,019
1987	1,019	1,055	1,078	1,008	1,059	961	901	977	966	1,009	965	938
1988	965	882	996	962	880	873	895	950	953	897	800	866
1989	961	836	810	848	873	887	853	872	824	843	875	869
Unemployed white men, 16 to 19 years												
1985	596	607	572	563	593	585	635	596	548	671	559	580
1986	517	582	549	599	592	630	566	592	595	559	586	544
1987	568	581	604	574	600	528	466	551	526	528	515	538
1988	516	439	570	517	469	487	530	506	528	509	429	481
1989	571	488	461	471	502	481	451	469	464	490	503	488
Unemployed white women, 16 to 19 years												
1985	507	455	503	461	494	486	489	440	467	491	475	505
1986	487	517	480	515	493	497	480	479	489	507	516	475
1987	451	474	474	434	459	433	435	426	440	481	450	400
1988	449	443	426	445	411	386	365	444	425	388	371	385
1989	390	348	349	377	371	406	402	403	360	353	372	381
Unemployed white workers, 20 years and over												
1985	5,199	5,090	5,136	5,242	5,070	5,401	5,211	5,152	5,093	4,991	4,880	4,944
1986	4,758	5,278	5,235	5,087	5,220	5,207	5,161	4,924	5,068	5,072	4,994	4,892
1987	4,839	4,815	4,750	4,616	4,540	4,556	4,440	4,362	4,290	4,341	4,207	4,156
1988	4,164	4,225	3,985	3,851	4,063	3,962	3,998	4,167	4,037	3,946	4,006	3,939
1989	3,901	3,737	3,703	3,960	3,847	3,904	3,985	3,929	3,990	3,913	3,968	3,995
Unemployed white men, 20 years and over												
1985	2,876	2,829	2,816	2,908	2,737	3,058	2,930	2,856	2,802	2,753	2,733	2,713
1986	2,622	2,883	2,911	2,830	2,946	2,922	2,959	2,751	2,911	2,888	2,867	2,856
1987	2,780	2,778	2,732	2,652	2,618	2,681	2,577	2,493	2,407	2,492	2,355	2,295
1988	2,355	2,282	2,285	2,151	2,331	2,222	2,199	2,406	2,251	2,221	2,256	2,226
1989	2,164	2,112	2,008	2,175	2,058	2,107	2,132	2,136	2,312	2,143	2,194	2,167
Unemployed white women, 20 years and over												
1985	2,323	2,261	2,320	2,334	2,333	2,343	2,281	2,296	2,291	2,238	2,147	2,231
1986	2,136	2,395	2,324	2,257	2,274	2,285	2,202	2,173	2,157	2,184	2,127	2,036
1987	2,059	2,037	2,018	1,964	1,922	1,875	1,863	1,869	1,883	1,849	1,852	1,861
1988	1,809	1,943	1,700	1,700	1,732	1,740	1,799	1,761	1,786	1,725	1,750	1,713
1989	1,737	1,625	1,695	1,785	1,789	1,797	1,853	1,793	1,678	1,770	1,774	1,828

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed black workers												
1985	1,865	1,937	1,858	1,866	1,878	1,776	1,879	1,760	1,883	1,866	1,947	1,886
1986	1,813	1,798	1,842	1,875	1,852	1,923	1,806	1,866	1,896	1,869	1,831	1,742
1987	1,790	1,764	1,761	1,651	1,745	1,663	1,676	1,665	1,647	1,629	1,615	1,609
1988	1,575	1,601	1,653	1,590	1,604	1,506	1,534	1,530	1,455	1,491	1,490	1,535
1989	1,580	1,560	1,477	1,464	1,492	1,600	1,485	1,515	1,580	1,584	1,622	1,602
Unemployed black men												
1985	955	984	948	948	933	898	953	864	968	996	997	977
1986	944	928	949	943	938	978	962	956	995	979	925	874
1987	888	847	838	815	894	831	848	836	778	761	783	789
1988	763	823	834	757	805	763	756	757	714	762	756	755
1989	797	790	742	768	748	773	704	762	782	796	823	829
Unemployed black women												
1985	910	953	910	918	945	878	926	896	915	870	950	909
1986	869	870	893	932	914	945	844	910	901	890	906	868
1987	902	917	923	836	851	832	828	829	869	868	832	820
1988	812	778	819	833	799	743	778	773	741	729	734	780
1989	783	770	735	696	744	827	781	753	798	788	799	773
Unemployed black workers, 16 to 19 years												
1985	369	372	355	342	355	335	386	321	345	373	370	378
1986	367	344	388	388	360	376	331	341	347	318	302	314
1987	331	328	314	320	318	293	288	298	285	330	320	322
1988	297	316	302	266	307	247	293	302	290	277	283	278
1989	302	297	279	283	293	338	266	292	334	313	311	297
Unemployed black men, 16 to 19 years												
1985	209	186	185	182	173	190	213	176	198	201	212	199
1986	188	181	203	193	196	188	189	171	178	169	149	162
1987	166	164	159	170	165	141	151	175	149	152	157	168
1988	155	168	159	121	160	150	158	156	155	163	157	145
1989	166	161	134	156	156	180	116	148	153	155	163	154
Unemployed black women, 16 to 19 years												
1985	160	186	170	160	182	145	173	145	147	172	158	179
1986	179	163	185	195	164	188	142	170	169	149	153	152
1987	165	164	155	150	153	152	137	123	136	178	163	154
1988	142	148	143	145	147	97	135	146	135	114	126	133
1989	136	136	145	127	137	158	150	144	181	158	148	143
Unemployed black workers, 20 years and over												
1985	1,496	1,565	1,503	1,524	1,523	1,441	1,493	1,439	1,538	1,493	1,577	1,508
1986	1,446	1,454	1,454	1,487	1,492	1,547	1,475	1,525	1,549	1,551	1,529	1,428
1987	1,459	1,436	1,447	1,331	1,427	1,370	1,388	1,367	1,362	1,299	1,295	1,287
1988	1,278	1,285	1,351	1,324	1,297	1,259	1,241	1,228	1,165	1,214	1,207	1,257
1989	1,278	1,263	1,198	1,181	1,199	1,262	1,219	1,223	1,246	1,271	1,311	1,305
Unemployed black men, 20 years and over												
1985	746	798	763	766	760	708	740	688	770	795	785	778
1986	756	747	746	750	742	790	773	785	817	810	776	712
1987	722	683	679	645	729	690	697	661	629	609	626	621
1988	608	655	675	636	645	613	598	601	559	599	599	610
1989	631	629	608	612	592	593	588	614	629	641	660	675
Unemployed black women, 20 years and over												
1985	750	767	740	758	763	733	753	751	768	698	792	730
1986	690	707	708	737	750	757	702	740	732	741	753	716
1987	737	753	768	686	698	680	691	706	733	690	669	666
1988	670	630	676	688	652	646	643	627	606	615	608	647
1989	647	634	590	569	607	669	631	609	617	630	651	630

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed Hispanic-origin workers												
1985	787	741	799	786	803	815	865	811	817	870	827	814
1986	780	948	847	819	863	856	873	889	911	856	772	877
1987	866	828	779	757	736	714	681	678	717	731	781	724
1988	651	768	747	785	780	786	715	731	688	716	737	690
1989	759	643	620	757	740	746	824	820	778	744	752	804
Unemployed married men, spouse present												
1985	1,856	1,804	1,745	1,764	1,632	1,861	1,780	1,753	1,805	1,698	1,735	1,755
1986	1,759	1,824	1,840	1,760	1,863	1,868	1,863	1,771	1,796	1,869	1,833	1,808
1987	1,733	1,717	1,713	1,715	1,670	1,694	1,643	1,560	1,543	1,550	1,467	1,429
1988	1,454	1,410	1,422	1,277	1,378	1,338	1,308	1,433	1,299	1,304	1,360	1,291
1989	1,288	1,280	1,221	1,331	1,237	1,218	1,250	1,308	1,402	1,270	1,296	1,291
Unemployed married women, spouse present												
1985	1,573	1,457	1,606	1,617	1,577	1,637	1,565	1,508	1,621	1,526	1,538	1,500
1986	1,429	1,521	1,561	1,495	1,546	1,534	1,510	1,465	1,469	1,444	1,423	1,358
1987	1,364	1,383	1,315	1,301	1,250	1,218	1,223	1,239	1,231	1,222	1,248	1,282
1988	1,229	1,221	1,196	1,129	1,160	1,148	1,188	1,200	1,140	1,103	1,155	1,097
1989	1,121	1,047	1,082	1,230	1,173	1,167	1,166	1,175	1,165	1,208	1,161	1,202
Unemployed women who maintain families												
1985	628	674	636	685	617	617	656	675	695	641	625	606
1986	622	631	646	618	638	637	605	657	649	583	653	654
1987	633	626	644	625	623	639	609	614	601	606	579	555
1988	588	556	507	579	540	526	557	511	555	549	527	570
1989	551	556	541	528	567	552	596	552	537	535	568	556
Unemployed full-time workers												
1985	6,916	6,863	6,783	6,855	6,720	6,835	6,934	6,752	6,772	6,745	6,695	6,651
1986	6,409	6,829	6,854	6,817	6,922	6,847	6,727	6,585	6,818	6,720	6,614	6,433
1987	6,404	6,400	6,234	6,095	6,054	6,082	5,907	5,845	5,671	5,751	5,609	5,531
1988	5,513	5,554	5,480	5,322	5,434	5,207	5,236	5,524	5,309	5,175	5,211	5,274
1989	5,244	5,054	5,038	5,228	5,129	5,188	5,251	5,231	5,294	5,231	5,301	5,299
Unemployed full-time workers, both sexes, 16 to 19 years												
1985	834	791	740	692	748	738	867	756	763	848	769	787
1986	743	744	727	781	771	770	754	724	734	680	687	681
1987	668	717	690	636	678	640	631	635	645	658	632	611
1988	629	601	625	594	567	555	554	636	634	559	518	633
1989	640	566	583	599	593	595	581	593	564	621	620	608
Unemployed full-time workers, men, 20 years and over												
1985	3,536	3,501	3,500	3,566	3,397	3,574	3,509	3,438	3,480	3,433	3,419	3,391
1986	3,283	3,538	3,540	3,487	3,587	3,558	3,610	3,437	3,585	3,563	3,533	3,441
1987	3,392	3,357	3,274	3,247	3,225	3,260	3,163	3,060	2,933	2,984	2,890	2,835
1988	2,837	2,826	2,867	2,729	2,866	2,724	2,683	2,934	2,700	2,700	2,745	2,692
1989	2,679	2,603	2,512	2,703	2,546	2,568	2,617	2,653	2,840	2,649	2,693	2,704
Unemployed full-time workers, women, 20 years and over												
1985	2,546	2,571	2,543	2,597	2,575	2,523	2,558	2,558	2,529	2,464	2,507	2,473
1986	2,383	2,547	2,587	2,549	2,564	2,519	2,363	2,424	2,499	2,477	2,394	2,311
1987	2,344	2,326	2,270	2,212	2,151	2,182	2,113	2,150	2,093	2,109	2,087	2,085
1988	2,047	2,127	1,988	1,999	2,001	1,928	1,999	1,954	1,975	1,916	1,948	1,949
1989	1,925	1,885	1,943	1,926	1,990	2,025	2,053	1,985	1,890	1,961	1,988	1,987
Unemployed part-time workers												
1985	1,544	1,438	1,562	1,553	1,575	1,547	1,559	1,462	1,496	1,560	1,427	1,511
1986	1,417	1,573	1,514	1,565	1,497	1,593	1,581	1,566	1,526	1,522	1,542	1,473
1987	1,495	1,467	1,612	1,483	1,507	1,270	1,379	1,442	1,445	1,429	1,405	1,419
1988	1,430	1,368	1,379	1,317	1,345	1,333	1,425	1,335	1,326	1,304	1,286	1,250
1989	1,406	1,298	1,158	1,306	1,250	1,402	1,324	1,284	1,332	1,283	1,347	1,377

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed part-time workers, both sexes, 16 to 19 years												
1985	689	663	726	691	711	691	734	637	651	718	660	716
1986	670	733	712	745	704	785	704	722	740	711	741	687
1987	724	712	707	717	722	662	655	689	646	710	695	698
1988	667	639	667	656	642	616	716	635	627	608	578	560
1989	661	603	496	551	581	680	623	590	634	534	604	611
Unemployed part-time workers, men, 20 years and over												
1985	243	240	217	265	241	247	250	242	216	242	223	216
1986	211	217	230	245	241	244	245	267	274	257	239	266
1987	243	224	274	213	230	204	216	246	222	201	195	194
1988	242	212	215	182	220	211	200	191	199	199	210	219
1989	221	227	197	217	185	237	195	204	203	233	236	207
Unemployed part-time workers, women, 20 years and over												
1985	612	535	619	597	623	609	575	583	629	600	544	579
1986	536	623	572	575	552	564	632	577	512	554	562	520
1987	528	531	631	553	555	404	508	507	577	518	515	527
1988	521	517	497	479	483	506	509	509	500	497	498	471
1989	524	468	465	538	484	485	506	490	495	516	507	559

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

8. Unemployed persons by reason for and duration of unemployment

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployed job losers												
1985	4,269	4,221	4,128	4,225	3,905	4,130	4,306	4,161	4,141	4,068	4,102	4,002
1986	3,760	4,132	4,189	4,026	4,220	4,304	4,046	3,873	4,069	4,032	3,926	3,887
1987	3,918	3,816	3,795	3,722	3,632	3,608	3,524	3,368	3,319	3,474	3,278	3,158
1988	3,153	3,188	3,147	2,920	3,274	3,123	3,080	3,094	3,092	2,991	2,985	3,021
1989	3,088	2,879	2,852	2,932	2,798	2,820	2,916	2,964	2,932	2,979	3,092	3,097
Unemployed job losers on layoff												
1985	1,175	1,190	1,131	1,242	1,065	1,149	1,143	1,155	1,209	1,154	1,160	1,129
1986	1,103	1,135	1,127	1,084	1,141	1,087	1,085	1,035	1,065	1,074	1,058	1,066
1987	1,065	998	987	983	938	919	917	861	847	959	882	854
1988	861	886	881	832	815	866	856	872	851	866	806	806
1989	813	783	806	833	805	813	829	865	852	780	969	957
Unemployed job leavers												
1985	854	851	852	845	886	994	886	883	851	930	815	895
1986	959	975	986	1,103	1,007	1,024	1,024	976	1,026	1,019	1,073	1,026
1987	870	1,034	995	953	941	966	1,008	987	976	967	941	944
1988	1,033	963	1,075	993	936	952	925	981	982	998	962	994
1989	973	980	902	985	1,103	1,021	1,016	1,031	1,034	994	1,049	1,055
Unemployed reentrants												
1985	2,254	2,213	2,309	2,300	2,353	2,276	2,178	2,136	2,369	2,227	2,204	2,252
1986	2,081	2,254	2,215	2,218	2,184	2,113	2,197	2,158	2,162	2,216	2,093	2,022
1987	2,050	2,027	2,146	1,974	2,007	1,974	1,891	1,952	1,903	1,822	1,979	1,975
1988	1,901	1,941	1,829	1,794	1,803	1,708	1,848	1,849	1,753	1,760	1,781	1,740
1989	1,827	1,767	1,774	1,882	1,853	1,993	1,901	1,772	1,920	1,890	1,845	1,853
Unemployed new entrants												
1985	1,030	1,014	1,071	1,040	1,122	1,036	1,158	983	928	1,038	1,041	1,025
1986	995	1,039	995	1,047	1,038	1,091	1,041	1,057	1,058	943	1,075	982
1987	1,036	995	943	908	1,013	853	860	869	904	931	839	891
1988	861	848	873	906	823	784	796	812	775	745	789	785
1989	768	757	713	692	696	726	723	643	648	685	695	686
Unemployed less than 5 weeks												
1985	3,667	3,471	3,519	3,499	3,503	3,538	3,555	3,439	3,494	3,424	3,463	3,393
1986	3,342	3,516	3,544	3,595	3,572	3,475	3,433	3,454	3,406	3,418	3,347	3,318
1987	3,373	3,334	3,401	3,175	3,314	3,148	3,203	3,207	3,209	3,229	3,178	3,205
1988	3,085	3,070	3,066	3,112	3,089	3,075	2,982	3,203	3,127	3,084	3,113	3,000
1989	3,140	3,212	3,072	3,113	3,070	3,279	3,156	3,125	3,169	3,166	3,258	3,302
Unemployed 5 to 14 weeks												
1985	2,536	2,452	2,443	2,495	2,556	2,517	2,554	2,515	2,570	2,545	2,456	2,544
1986	2,410	2,567	2,578	2,664	2,677	2,697	2,550	2,393	2,638	2,593	2,627	2,430
1987	2,395	2,419	2,392	2,247	2,114	2,168	2,153	2,143	2,029	2,154	2,063	1,984
1988	2,144	2,122	2,083	1,946	2,052	1,914	2,075	1,947	1,896	1,861	1,935	2,039
1989	1,998	1,894	1,849	2,006	1,993	2,006	1,965	2,002	2,030	1,995	1,991	2,013
Unemployed 15 weeks and over												
1985	2,284	2,389	2,394	2,393	2,292	2,310	2,329	2,258	2,242	2,295	2,207	2,208
1986	2,097	2,309	2,254	2,146	2,231	2,312	2,270	2,288	2,322	2,194	2,210	2,169
1987	2,173	2,106	2,058	2,084	2,097	2,088	1,928	1,900	1,871	1,792	1,804	1,764
1988	1,717	1,724	1,725	1,550	1,633	1,574	1,617	1,667	1,568	1,547	1,467	1,476
1989	1,499	1,300	1,335	1,391	1,331	1,295	1,461	1,338	1,359	1,378	1,422	1,362
Unemployed 15 to 26 weeks												
1985	969	1,045	1,045	1,015	1,057	1,029	1,062	1,036	1,009	1,096	910	1,003
1986	1,009	1,125	1,082	972	1,065	1,035	1,060	1,092	1,087	984	1,038	1,018
1987	1,029	992	941	1,006	998	1,011	947	836	885	845	874	866
1988	843	833	884	735	799	767	821	848	762	789	768	740
1989	761	660	672	667	711	684	838	759	769	743	765	730
Unemployed 27 weeks and over												
1985	1,315	1,344	1,349	1,378	1,235	1,281	1,267	1,222	1,233	1,199	1,297	1,205
1986	1,088	1,184	1,172	1,174	1,166	1,277	1,210	1,196	1,235	1,210	1,172	1,151
1987	1,144	1,114	1,117	1,078	1,101	1,077	981	1,064	986	947	930	898
1988	874	891	841	815	834	807	796	819	806	757	699	736
1989	738	640	663	724	620	611	623	579	590	635	657	632

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

(Numbers in thousands)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Average duration in weeks												
1985	15.9	15.9	16.1	16.4	15.3	15.5	15.5	15.3	15.3	15.3	15.7	15.1
1986	14.9	15.2	14.6	14.7	14.7	15.2	15.2	15.5	15.4	15.1	15.0	15.0
1987	14.9	14.7	14.9	14.9	14.9	15.0	14.2	14.4	14.2	14.0	14.0	14.2
1988	14.2	14.3	13.7	13.4	13.8	13.3	13.5	13.6	13.5	13.3	12.5	12.8
1989	12.6	12.3	12.4	12.6	11.9	11.2	11.9	11.4	11.5	11.7	11.6	11.5
Median duration in weeks												
1985	6.8	7.1	7.1	6.9	6.9	6.6	6.9	7.1	6.9	7.1	7.0	6.8
1986	6.7	6.9	6.8	6.6	6.8	7.1	6.9	7.1	7.4	7.1	7.1	7.0
1987	6.9	6.7	6.6	7.1	6.6	6.5	6.4	6.4	6.0	6.3	6.2	5.9
1988	6.3	6.4	6.5	5.8	5.9	5.8	6.0	5.9	5.7	5.6	5.6	5.7
1989	5.6	5.4	5.5	5.4	5.3	5.4	5.4	5.0	5.0	5.0	4.8	4.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, including resident Armed Forces, total												
1985	7.2	7.1	7.1	7.2	7.1	7.3	7.3	7.0	7.0	7.0	6.9	6.9
1986	6.6	7.1	7.0	7.0	7.1	7.1	6.9	6.8	6.9	6.9	6.8	6.6
1987	6.5	6.5	6.5	6.3	6.2	6.1	6.0	6.0	5.8	5.9	5.7	5.7
1988	5.6	5.6	5.6	5.4	5.6	5.3	5.4	5.5	5.3	5.3	5.2	5.2
1989	5.3	5.1	5.0	5.2	5.1	5.2	5.2	5.2	5.3	5.2	5.3	5.3
Unemployment rate, including resident Armed Forces, men												
1985	7.0	6.9	6.8	6.9	6.7	7.1	7.1	6.8	6.7	6.9	6.7	6.6
1986	6.3	6.8	6.8	6.8	7.0	7.0	7.0	6.7	6.9	6.8	6.7	6.6
1987	6.5	6.4	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	5.2	5.3	5.5	5.2	5.2	5.2	5.2
1989	5.3	5.1	4.8	5.1	5.0	5.0	4.9	5.0	5.3	5.1	5.2	5.1
Unemployment rate, including resident Armed Forces, women												
1985	7.6	7.4	7.5	7.5	7.6	7.5	7.5	7.3	7.3	7.2	7.2	7.2
1986	6.9	7.5	7.4	7.3	7.2	7.2	6.9	6.9	6.9	6.9	6.9	6.5
1987	6.6	6.6	6.6	6.3	6.2	6.0	6.0	5.9	6.0	6.1	6.0	5.8
1988	5.8	6.0	5.6	5.6	5.6	5.4	5.5	5.5	5.5	5.3	5.3	5.3
1989	5.3	5.1	5.2	5.3	5.3	5.5	5.6	5.4	5.2	5.4	5.4	5.4
Unemployment rate, all civilian workers												
1985	7.3	7.2	7.2	7.3	7.2	7.4	7.4	7.1	7.1	7.1	7.0	7.0
1986	6.7	7.2	7.1	7.1	7.2	7.2	7.0	6.9	7.0	7.0	6.9	6.6
1987	6.6	6.6	6.6	6.4	6.3	6.2	6.1	6.0	5.9	6.0	5.8	5.7
1988	5.7	5.7	5.7	5.5	5.6	5.4	5.5	5.6	5.4	5.3	5.3	5.3
1989	5.4	5.2	5.0	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Unemployment rate, men												
1985	7.1	7.1	7.0	7.1	6.9	7.2	7.2	6.9	6.9	7.1	6.9	6.8
1986	6.5	7.0	6.9	7.0	7.1	7.1	7.1	6.9	7.1	7.0	6.9	6.7
1987	6.6	6.6	6.5	6.4	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	5.3	5.3	5.3
1989	5.4	5.2	4.9	5.3	5.1	5.1	5.0	5.1	5.4	5.2	5.3	5.3
Unemployment rate, women												
1985	7.6	7.4	7.5	7.5	7.6	7.5	7.6	7.3	7.4	7.3	7.2	7.2
1986	6.9	7.5	7.4	7.4	7.3	7.3	6.9	6.9	6.9	7.0	6.9	6.6
1987	6.6	6.6	6.6	6.3	6.2	6.0	6.0	6.0	6.0	6.1	6.0	5.9
1988	5.8	6.0	5.7	5.7	5.6	5.4	5.6	5.6	5.5	5.3	5.3	5.3
1989	5.3	5.1	5.2	5.3	5.3	5.5	5.6	5.4	5.2	5.4	5.4	5.5
Unemployment rate, both sexes, 16 to 19 years												
1985	18.8	18.3	18.2	17.5	18.5	18.5	20.2	17.9	17.9	20.0	18.3	19.1
1986	18.1	18.8	18.2	19.2	18.6	19.1	18.5	18.1	18.4	17.7	18.1	17.5
1987	17.5	17.9	17.8	17.3	17.5	16.2	16.2	16.1	16.1	17.3	16.6	16.0
1988	15.8	15.5	16.6	15.9	15.5	13.9	15.4	15.6	15.4	15.1	13.8	14.8
1989	16.1	14.8	14.0	14.6	15.0	15.4	15.1	14.8	15.0	14.9	15.3	15.2
Unemployment rate, men, 16 to 19 years												
1985	19.3	19.5	18.5	18.2	18.8	19.0	21.5	19.5	19.0	21.7	19.6	19.7
1986	18.2	19.4	18.9	19.7	19.4	20.1	19.6	19.2	19.1	18.1	18.3	18.1
1987	18.3	18.5	19.0	18.8	19.2	17.0	16.7	18.0	17.0	17.2	16.9	17.2
1988	16.2	15.6	17.8	15.9	15.7	15.4	17.4	16.1	16.4	16.5	14.2	15.4
1989	18.3	16.4	14.6	15.6	16.3	15.9	14.7	15.1	15.7	15.9	16.7	16.1
Unemployment rate, women, 16 to 19 years												
1985	18.2	17.1	17.8	16.8	18.1	17.9	18.7	16.0	16.7	18.1	16.9	18.5
1986	18.0	18.2	17.4	18.6	17.7	18.0	17.3	17.0	17.7	17.3	17.8	16.9
1987	16.7	17.3	16.6	15.6	15.7	15.4	15.7	14.1	15.2	17.4	16.2	14.7
1988	15.4	15.4	15.3	15.8	15.2	12.2	13.3	15.1	14.3	13.5	13.4	14.1
1989	13.9	13.1	13.3	13.5	13.7	14.9	15.5	14.6	14.4	13.8	13.8	14.3

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 20 years and over												
1985	6.5	6.4	6.4	6.5	6.4	6.6	6.4	6.3	6.3	6.2	6.2	6.1
1986	5.9	6.4	6.3	6.3	6.4	6.3	6.2	6.1	6.2	6.2	6.1	5.9
1987	5.8	5.8	5.8	5.6	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	4.4	4.6	4.5	4.6	4.6	4.6	4.7	4.6	4.7	4.7
Unemployment rate, men, 20 years and over												
1985	6.3	6.2	6.2	6.3	6.0	6.4	6.2	6.1	6.1	6.1	6.0	6.0
1986	5.7	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	5.6	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	5.0	4.7	4.6	5.0	4.6	4.6	4.7	4.6
1989	4.6	4.5	4.2	4.6	4.3	4.4	4.4	4.5	4.8	4.5	4.6	4.6
Unemployment rate, women, 20 years and over												
1985	6.7	6.6	6.7	6.8	6.8	6.7	6.7	6.7	6.6	6.4	6.4	6.3
1986	6.1	6.6	6.6	6.5	6.4	6.4	6.1	6.1	6.1	6.1	6.0	5.8
1987	5.8	5.8	5.9	5.6	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2
1988	5.1	5.2	4.9	4.9	4.9	4.8	5.0	4.8	4.8	4.7	4.8	4.7
1989	4.7	4.6	4.6	4.7	4.7	4.8	4.9	4.7	4.5	4.8	4.8	4.8
Unemployment rate, both sexes, 20 to 24 years												
1985	11.0	11.3	11.2	11.0	11.2	11.1	11.1	10.9	11.1	11.1	11.1	10.7
1986	10.5	10.9	10.7	10.8	11.2	10.5	10.7	10.5	11.2	10.7	10.1	10.7
1987	10.5	10.5	10.2	10.1	9.8	10.0	9.7	9.4	9.5	8.9	8.8	8.6
1988	8.9	8.9	9.1	8.7	9.0	8.4	8.6	8.5	8.3	8.6	8.6	8.7
1989	9.1	8.2	7.9	8.4	7.9	8.7	8.6	8.8	8.8	8.9	9.0	8.9
Unemployment rate, men, 20 to 24 years												
1985	11.5	11.8	11.8	11.3	11.7	11.7	11.5	11.1	11.0	11.3	11.2	10.7
1986	10.5	10.7	11.2	11.6	11.6	10.8	11.1	10.5	12.0	10.6	10.7	11.2
1987	10.6	11.0	10.3	10.4	10.0	10.5	10.1	9.5	9.2	9.0	9.1	8.7
1988	9.7	9.1	9.2	9.0	9.2	8.2	8.6	8.8	8.3	9.1	8.7	8.6
1989	9.3	8.3	7.5	8.2	8.0	8.9	8.9	9.4	9.8	9.3	9.4	9.5
Unemployment rate, women, 20 to 24 years												
1985	10.5	10.7	10.6	10.7	10.6	10.4	10.6	10.9	10.9	10.8	10.9	10.7
1986	10.4	11.1	10.1	10.0	10.7	10.3	10.2	10.4	10.3	10.7	9.3	10.2
1987	10.4	10.0	10.0	9.8	9.6	9.4	9.3	9.3	9.7	8.7	8.5	8.4
1988	8.1	8.6	9.0	8.5	8.8	8.5	8.5	8.1	8.3	8.0	8.5	8.7
1989	8.8	8.1	8.3	8.7	7.9	8.5	8.3	8.1	7.7	8.5	8.5	8.2
Unemployment rate, both sexes, 25 years and over												
1985	5.7	5.6	5.6	5.8	5.5	5.8	5.6	5.6	5.6	5.4	5.3	5.4
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	5.1	5.1	4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5
1988	4.4	4.5	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	3.9	4.1	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1
Unemployment rate, men, 25 years and over												
1985	5.5	5.3	5.3	5.6	5.1	5.5	5.4	5.3	5.4	5.2	5.2	5.2
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	5.0	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	4.1	4.3	4.2	4.0	4.4	4.1	4.0	4.2	4.1
1989	4.0	4.0	3.8	4.1	3.8	3.7	3.8	3.8	4.1	3.9	4.0	3.9
Unemployment rate, women, 25 years and over												
1985	6.0	5.9	6.0	6.0	6.1	6.0	5.9	5.9	5.9	5.6	5.6	5.5
1986	5.3	5.8	5.9	5.8	5.7	5.7	5.4	5.4	5.4	5.3	5.4	5.0
1987	5.0	5.1	5.2	4.8	4.7	4.5	4.6	4.7	4.7	4.7	4.6	4.6
1988	4.6	4.7	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.2	4.2	4.1
1989	4.1	4.0	4.1	4.1	4.3	4.3	4.3	4.2	4.1	4.2	4.2	4.3

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 25 to 54 years												
1985	6.0	5.9	5.9	6.1	5.8	6.0	5.9	5.8	5.9	5.7	5.6	5.6
1986	5.4	5.9	5.9	5.9	5.9	6.0	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	4.8	4.7	4.7
1988	4.7	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	4.2	4.2	4.3
Unemployment rate, men, 25 to 54 years												
1985	5.8	5.6	5.6	5.9	5.3	5.8	5.6	5.6	5.6	5.5	5.4	5.4
1986	5.3	5.7	5.6	5.6	5.8	5.8	5.8	5.5	5.6	5.7	5.7	5.4
1987	5.6	5.4	5.3	5.1	5.1	5.1	5.0	4.9	4.7	4.8	4.5	4.6
1988	4.5	4.5	4.5	4.2	4.5	4.3	4.2	4.5	4.3	4.2	4.4	4.3
1989	4.2	4.1	4.0	4.3	3.9	3.8	3.9	3.8	4.1	4.0	4.1	4.0
Unemployment rate, women, 25 to 54 years												
1985	6.4	6.2	6.3	6.4	6.4	6.3	6.2	6.1	6.2	5.9	5.9	5.8
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	5.4	5.2	5.0	4.9	4.9	5.0	4.9	4.9	4.8	4.9
1988	4.9	4.9	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.3
1989	4.3	4.2	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.6
Unemployment rate, both sexes, 25 to 34 years												
1985	7.1	7.0	6.9	7.3	7.0	7.1	6.9	7.0	7.1	6.9	6.9	6.7
1986	6.4	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	6.2	5.9	5.9	5.8	5.6	5.5	5.6	5.8
1988	5.6	5.5	5.6	5.3	5.3	5.5	5.3	5.6	5.5	5.3	5.5	5.1
1989	5.0	5.1	5.1	5.3	5.4	5.2	5.2	4.9	5.3	5.1	5.0	5.2
Unemployment rate, men, 25 to 34 years												
1985	6.9	6.7	6.5	7.0	6.4	6.6	6.5	6.6	6.8	6.5	6.4	6.4
1986	6.0	6.6	6.5	6.7	6.9	6.7	7.1	6.5	6.7	7.0	6.8	6.6
1987	6.9	6.4	6.2	6.1	6.0	6.0	5.7	5.8	5.4	5.6	5.4	5.6
1988	5.4	5.2	5.5	5.2	5.3	5.3	5.0	5.6	5.3	5.0	5.5	4.8
1989	4.7	4.8	4.8	5.3	4.8	4.7	4.7	4.3	5.1	4.7	4.7	4.7
Unemployment rate, women, 25 to 34 years												
1985	7.5	7.4	7.3	7.6	7.7	7.6	7.5	7.4	7.5	7.4	7.4	7.1
1986	6.8	7.7	7.6	7.5	7.3	7.4	7.0	7.3	7.2	7.0	7.2	6.8
1987	6.8	6.7	6.6	6.5	6.3	5.8	6.0	5.9	5.9	5.5	5.8	6.1
1988	5.9	5.8	5.6	5.5	5.4	5.7	5.6	5.6	5.8	5.7	5.6	5.4
1989	5.4	5.3	5.4	5.4	6.2	5.8	5.9	5.7	5.5	5.6	5.4	5.8
Unemployment rate, both sexes, 35 to 44 years												
1985	5.3	5.2	5.3	5.2	5.2	5.6	5.2	5.1	5.1	4.8	4.9	4.9
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	4.7	4.9	4.5	4.4	4.5	4.5	4.3	4.5	4.5	4.1	4.2
1988	4.2	4.3	4.1	3.9	4.2	3.9	3.9	4.0	3.7	3.7	3.7	3.8
1989	3.8	3.8	3.6	3.8	3.6	3.6	3.7	3.8	3.9	3.8	4.0	3.9
Unemployment rate, men, 35 to 44 years												
1985	5.0	4.9	4.9	5.0	4.7	5.4	4.9	4.7	4.7	4.5	4.8	5.0
1986	4.9	5.5	5.1	4.8	5.0	5.3	5.0	5.1	5.0	5.2	5.2	4.8
1987	4.9	4.7	4.7	4.4	4.5	4.4	4.6	4.2	4.2	4.4	4.0	4.0
1988	3.9	4.0	4.0	3.9	4.2	3.7	3.7	3.9	3.6	3.6	3.6	3.8
1989	3.9	3.8	3.7	3.9	3.5	3.5	3.6	3.7	3.8	3.6	4.0	3.7
Unemployment rate, women, 35 to 44 years												
1985	5.8	5.5	5.7	5.4	5.7	5.8	5.6	5.7	5.5	5.1	5.0	4.9
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	4.6	4.8	5.1	4.6	4.4	4.5	4.5	4.5	4.7	4.7	4.3	4.5
1988	4.6	4.7	4.2	4.0	4.3	4.0	4.2	4.1	3.8	3.8	3.8	3.8
1989	3.6	3.8	3.6	3.8	3.6	3.7	4.0	3.9	4.0	4.0	4.0	4.1

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 45 to 54 years												
1985	4.9	4.8	5.0	5.2	4.4	4.7	4.8	4.6	4.7	4.6	4.2	4.6
1986	4.6	4.4	4.6	4.5	4.7	4.9	4.5	4.4	4.4	4.3	4.2	4.1
1987	4.1	4.4	4.2	4.1	4.0	4.0	4.0	4.0	3.7	4.0	3.8	3.5
1988	3.5	3.7	3.2	3.4	3.4	3.3	3.4	3.4	3.6	3.3	3.5	3.5
1989	3.5	3.2	3.3	3.3	3.0	3.0	3.1	3.1	3.0	3.2	3.2	3.3
Unemployment rate, men, 45 to 54 years												
1985	4.9	4.6	4.7	5.0	4.0	4.6	4.8	4.9	4.6	4.8	4.4	4.4
1986	4.4	4.2	4.5	4.5	4.7	4.7	4.6	4.3	4.3	4.1	4.3	4.1
1987	4.1	4.6	4.6	4.5	4.3	4.5	4.3	4.1	4.1	3.9	3.7	3.5
1988	3.6	3.7	3.3	3.1	3.3	3.3	3.3	3.4	3.5	3.3	3.6	3.8
1989	3.7	3.3	3.1	3.3	2.9	2.8	3.1	3.2	2.9	3.3	3.2	3.3
Unemployment rate, women, 45 to 54 years												
1985	4.9	5.0	5.4	5.3	4.8	4.7	4.8	4.2	4.8	4.3	4.0	4.9
1986	4.8	4.5	4.6	4.4	4.7	5.2	4.5	4.6	4.6	4.5	4.0	4.0
1987	4.0	4.1	3.7	3.5	3.5	3.5	3.6	3.8	3.2	4.2	3.9	3.4
1988	3.4	3.6	2.9	3.8	3.5	3.2	3.6	3.4	3.7	3.2	3.3	3.1
1989	3.3	3.0	3.5	3.3	3.2	3.3	3.0	3.1	3.0	3.1	3.2	3.4
Unemployment rate, both sexes, 55 years and over												
1985	4.3	4.0	3.9	4.1	4.2	4.4	4.5	4.2	4.0	3.9	3.8	3.9
1986	4.0	4.3	4.3	3.9	3.6	3.8	3.8	3.8	3.9	4.1	3.8	3.4
1987	3.2	3.0	3.5	3.5	3.4	3.2	3.1	3.3	3.4	3.2	3.3	3.1
1988	3.4	3.2	3.1	3.1	3.3	3.0	3.0	3.2	2.9	2.8	2.8	3.0
1989	3.0	3.0	2.7	3.0	2.9	3.3	3.1	3.1	3.0	3.0	3.2	3.2
Unemployment rate, men, 55 years and over												
1985	4.4	4.1	3.8	4.1	4.1	4.4	4.7	3.9	4.0	4.1	3.9	3.9
1986	3.9	4.3	4.2	4.0	3.7	4.1	4.1	4.3	4.3	4.5	4.0	3.8
1987	3.5	3.3	3.6	3.8	3.8	3.5	3.5	3.6	3.3	3.3	3.5	3.0
1988	3.8	3.2	3.4	3.2	3.5	3.2	3.2	3.4	2.9	3.1	3.1	3.2
1989	3.0	3.3	2.8	3.2	3.0	3.1	3.1	3.3	3.5	3.2	3.5	3.6
Unemployment rate, women, 55 years and over												
1985	4.3	3.8	4.1	4.2	4.5	4.4	4.2	4.6	3.9	3.6	3.5	3.9
1986	4.0	4.4	4.4	3.8	3.4	3.4	3.5	3.2	3.4	3.5	3.4	2.8
1987	2.8	2.7	3.3	3.1	2.9	2.9	2.5	2.9	3.4	3.1	3.1	3.1
1988	2.9	3.1	2.6	2.9	3.0	2.6	2.7	2.8	2.9	2.4	2.3	2.7
1989	3.1	2.6	2.6	2.7	2.9	3.6	3.1	2.8	2.4	2.8	2.9	2.7
Unemployment rate, both sexes, 55 to 64 years												
1985	4.5	4.2	4.1	4.3	4.5	4.7	4.6	4.4	4.3	4.1	3.9	4.1
1986	4.2	4.5	4.4	4.2	3.8	4.0	4.1	4.0	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	3.5	3.5	3.5	3.2
1988	3.5	3.4	3.2	3.3	3.3	3.0	3.0	3.3	3.1	3.0	2.9	3.0
1989	3.3	3.0	2.9	2.9	3.1	3.5	3.3	3.3	3.2	3.1	3.4	3.4
Unemployment rate, men, 55 to 64 years												
1985	4.5	4.3	4.0	4.3	4.4	4.7	4.8	4.3	4.4	4.3	4.1	4.1
1986	4.2	4.5	4.4	4.3	3.8	4.2	4.3	4.5	4.6	4.8	4.3	4.2
1987	3.8	3.4	3.8	4.0	4.2	4.0	3.8	3.6	3.6	3.6	3.8	3.2
1988	3.9	3.5	3.7	3.5	3.7	3.3	3.3	3.8	3.2	3.3	3.4	3.3
1989	3.4	3.4	3.2	3.2	3.3	3.3	3.4	3.5	3.8	3.4	3.6	3.9
Unemployment rate, women, 55 to 64 years												
1985	4.5	4.1	4.3	4.2	4.7	4.6	4.3	4.7	4.1	3.8	3.7	4.0
1986	4.2	4.6	4.4	4.1	3.7	3.6	3.8	3.4	3.5	3.7	3.7	2.8
1987	2.9	2.9	3.5	3.4	3.2	3.1	2.6	3.0	3.4	3.2	3.1	3.3
1988	2.9	3.2	2.6	2.9	2.8	2.5	2.6	2.6	2.9	2.5	2.3	2.7
1989	3.1	2.5	2.6	2.5	2.8	3.7	3.1	2.9	2.3	2.8	3.0	2.6

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, both sexes, 65 years and over												
1985	3.6	2.9	3.3	3.4	3.1	3.3	3.7	3.2	2.7	3.1	3.1	3.0
1986	3.0	3.4	3.7	2.8	2.9	3.2	2.9	2.9	3.2	3.1	2.8	2.6
1987	2.4	2.5	2.9	2.4	2.2	1.8	2.3	2.9	2.9	2.4	2.6	2.7
1988	3.1	2.4	2.5	2.4	3.2	2.9	3.0	2.6	2.3	2.1	2.4	2.7
1989	2.2	3.1	2.1	3.1	2.4	2.7	2.5	2.5	2.6	2.7	2.8	2.7
Unemployment rate, men, 65 years and over												
1985	4.0	2.9	3.2	2.9	2.8	3.2	3.9	2.5	2.7	3.2	3.3	3.0
1986	2.9	3.3	3.3	2.9	3.4	3.7	3.1	3.3	3.5	3.6	2.9	2.4
1987	2.4	2.8	3.0	2.9	2.4	1.8	2.5	3.3	2.5	2.1	2.4	2.7
1988	3.3	2.2	2.4	2.0	2.9	2.8	2.9	2.2	1.8	2.4	2.4	2.8
1989	1.6	2.9	1.7	3.2	2.1	2.3	2.1	2.7	2.7	2.6	3.0	2.5
Unemployment rate, women, 65 years and over												
1985	3.1	2.7	3.5	4.1	3.4	3.5	3.4	4.3	2.9	3.0	2.7	3.1
1986	3.2	3.6	4.2	2.6	2.2	2.5	2.5	2.3	2.7	2.3	2.5	2.8
1987	2.4	1.9	2.7	1.6	2.0	1.9	2.0	2.4	3.6	2.7	3.1	2.6
1988	2.7	2.8	2.7	2.9	3.8	3.0	3.3	3.4	2.9	1.7	2.5	2.6
1989	3.1	3.3	2.7	3.1	2.9	3.1	3.0	2.3	2.5	2.9	2.6	3.1
Unemployment rate, white workers												
1985	6.3	6.2	6.2	6.3	6.2	6.5	6.4	6.2	6.1	6.1	5.9	6.0
1986	5.7	6.3	6.2	6.1	6.2	6.2	6.1	5.9	6.0	6.0	5.9	5.8
1987	5.7	5.7	5.7	5.5	5.4	5.3	5.2	5.2	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	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.6
Unemployment rate, white men												
1985	6.2	6.1	6.0	6.1	5.9	6.5	6.3	6.1	5.9	6.0	5.8	5.8
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	5.6	5.6	5.6	5.3	5.3	5.1	5.2	5.0	4.9
1988	4.9	4.7	4.9	4.6	4.8	4.6	4.7	5.0	4.8	4.7	4.6	4.6
1989	4.7	4.4	4.2	4.5	4.4	4.4	4.4	4.4	4.7	4.4	4.6	4.5
Unemployment rate, white women												
1985	6.6	6.3	6.5	6.5	6.5	6.6	6.4	6.3	6.3	6.2	6.0	6.2
1986	6.0	6.6	6.3	6.3	6.2	6.2	6.0	5.9	5.9	6.0	5.9	5.6
1987	5.6	5.6	5.5	5.3	5.2	5.1	5.0	5.0	5.1	5.1	5.0	4.9
1988	4.9	5.2	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.5	4.5	4.5
1989	4.5	4.2	4.3	4.6	4.6	4.7	4.8	4.6	4.3	4.5	4.5	4.6
Unemployment rate, white workers, 16 to 19 years												
1985	15.9	15.2	15.4	14.9	15.8	16.0	16.4	15.6	15.0	16.9	15.2	16.0
1986	15.0	16.0	15.0	16.1	15.7	16.3	15.4	15.6	15.7	15.4	15.9	15.0
1987	14.9	15.2	15.6	14.7	15.0	14.2	13.3	14.0	14.2	14.6	14.1	13.4
1988	13.7	12.6	14.5	13.9	12.9	12.3	12.8	13.7	13.6	13.1	11.7	12.6
1989	13.8	12.3	11.9	12.4	12.8	12.9	12.7	12.7	12.2	12.4	12.9	13.0
Unemployment rate, white men, 16 to 19 years												
1985	16.4	16.9	15.8	15.5	16.3	16.3	17.5	17.1	15.7	18.7	15.9	16.6
1986	15.0	16.5	15.7	16.8	16.6	17.5	16.0	16.7	16.5	15.6	16.4	15.7
1987	16.0	16.1	17.0	16.3	16.7	15.1	13.5	15.4	14.9	14.8	14.7	14.9
1988	14.1	12.3	16.0	14.5	13.4	13.3	14.7	14.1	14.6	14.5	12.0	13.5
1989	15.9	13.9	13.0	13.2	14.1	13.5	12.8	13.1	13.3	13.8	14.3	14.0
Unemployment rate, white women, 16 to 19 years												
1985	15.3	13.5	15.0	14.3	15.2	15.6	15.1	13.9	14.2	15.0	14.4	15.4
1986	15.0	15.5	14.2	15.4	14.8	15.0	14.7	14.5	14.9	15.1	15.5	14.3
1987	13.7	14.3	14.1	12.9	13.3	13.1	13.0	12.6	13.4	14.3	13.4	11.9
1988	13.3	13.0	12.9	13.3	12.4	11.2	10.8	13.2	12.5	11.6	11.3	11.6
1989	11.6	10.7	10.7	11.5	11.4	12.3	12.6	12.3	11.1	10.9	11.3	11.9

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, white workers, 20 years and over												
1985	5.6	5.5	5.5	5.6	5.5	5.8	5.6	5.5	5.4	5.3	5.2	5.3
1986	5.1	5.6	5.5	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	4.3	4.3
1988	4.3	4.3	4.1	3.9	4.2	4.1	4.1	4.2	4.1	4.0	4.1	4.0
1989	3.9	3.8	3.7	4.0	3.9	3.9	4.0	3.9	4.0	3.9	4.0	4.0
Unemployment rate, white men, 20 years and over												
1985	5.5	5.4	5.3	5.5	5.2	5.8	5.5	5.4	5.3	5.2	5.1	5.1
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	5.1	5.1	5.1	4.9	4.8	4.9	4.8	4.6	4.4	4.6	4.3	4.2
1988	4.3	4.2	4.2	3.9	4.3	4.1	4.0	4.4	4.1	4.0	4.1	4.1
1989	3.9	3.8	3.6	3.9	3.7	3.8	3.8	3.9	4.2	3.9	3.9	3.9
Unemployment rate, white women, 20 years and over												
1985	5.8	5.7	5.8	5.8	5.8	5.9	5.7	5.7	5.7	5.5	5.3	5.5
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	4.9	4.9	4.8	4.7	4.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4
1988	4.2	4.5	4.0	4.0	4.0	4.0	4.2	4.1	4.1	4.0	4.0	3.9
1989	4.0	3.7	3.9	4.1	4.1	4.1	4.2	4.1	3.8	4.0	4.0	4.1
Unemployment rate, black workers												
1985	15.2	15.8	15.1	15.1	15.2	14.4	15.2	14.3	15.2	15.0	15.6	15.0
1986	14.5	14.4	14.6	14.7	14.5	15.1	14.3	14.9	15.0	14.7	14.4	13.7
1987	14.0	13.7	13.7	12.9	13.5	12.9	12.8	12.7	12.6	12.4	12.3	12.2
1988	12.0	12.2	12.6	12.1	12.2	11.6	11.6	11.5	11.0	11.2	11.2	11.4
1989	11.7	11.6	11.0	11.0	11.1	11.8	11.0	11.2	11.7	11.7	11.9	11.8
Unemployment rate, black men												
1985	15.5	15.9	15.4	15.3	15.1	14.5	15.3	13.9	15.4	15.8	15.9	15.5
1986	14.9	14.7	14.9	14.8	14.6	15.2	15.1	15.2	15.6	15.3	14.5	13.7
1987	13.8	13.2	13.0	12.7	13.8	12.9	13.0	12.7	12.0	11.7	12.0	12.1
1988	11.7	12.6	12.8	11.5	12.2	11.6	11.5	11.4	10.8	11.4	11.4	11.3
1989	11.9	11.8	11.1	11.6	11.2	11.5	10.5	11.4	11.7	11.8	12.2	12.3
Unemployment rate, black women												
1985	14.8	15.7	14.9	14.9	15.4	14.3	15.1	14.7	15.0	14.2	15.3	14.6
1986	14.1	14.1	14.3	14.7	14.5	14.9	13.6	14.6	14.3	14.1	14.3	13.8
1987	14.2	14.2	14.4	13.1	13.2	12.8	12.7	12.6	13.3	13.0	12.6	12.3
1988	12.3	11.9	12.5	12.7	12.3	11.5	11.6	11.6	11.2	11.0	11.0	11.5
1989	11.6	11.4	10.9	10.4	10.9	12.1	11.4	11.1	11.7	11.6	11.7	11.4
Unemployment rate, black workers, 16 to 19 years												
1985	41.0	42.0	39.8	38.2	39.1	39.6	41.3	36.9	39.9	41.2	42.3	42.2
1986	40.7	38.6	41.4	41.1	38.9	40.2	39.2	41.6	39.9	36.5	36.6	37.6
1987	38.1	37.0	36.2	37.0	36.8	34.1	33.5	30.4	31.0	34.6	34.5	34.7
1988	33.6	36.8	35.9	31.6	34.0	29.0	32.0	32.5	31.7	30.7	31.4	30.7
1989	33.9	32.2	31.5	31.7	32.4	35.1	27.9	31.9	36.3	33.4	32.5	30.7
Unemployment rate, black men, 16 to 19 years												
1985	43.9	40.9	39.8	38.5	37.6	42.2	42.9	36.3	41.5	41.4	46.9	41.5
1986	40.8	38.2	42.0	40.1	38.6	40.1	41.6	39.8	39.7	38.4	36.2	37.3
1987	35.7	36.4	35.6	37.6	37.4	32.6	33.6	33.3	32.1	32.3	32.8	35.0
1988	33.7	39.6	38.2	27.4	32.1	31.7	32.0	32.2	32.0	32.9	32.2	30.8
1989	35.6	32.6	29.0	34.8	35.4	33.8	23.2	30.3	33.8	32.0	32.3	30.1
Unemployment rate, black women, 16 to 19 years												
1985	37.7	43.3	39.9	37.8	40.5	36.6	39.6	37.6	38.0	41.1	37.4	43.1
1986	40.6	39.0	40.7	42.2	39.2	40.3	36.3	43.7	40.1	34.5	37.0	37.8
1987	40.9	37.7	36.8	36.3	36.1	35.5	33.3	27.1	30.0	36.9	36.3	34.4
1988	33.4	34.1	33.6	36.2	36.2	25.5	31.9	32.7	31.3	28.1	30.4	30.6
1989	31.9	31.7	34.3	28.5	29.6	36.8	33.1	33.6	38.8	34.9	32.7	31.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, black workers, 20 years and over												
1985	13.1	13.7	13.2	13.3	13.3	12.5	13.1	12.6	13.3	13.0	13.6	12.9
1986	12.4	12.5	12.4	12.6	12.6	13.1	12.5	13.0	13.1	13.1	12.9	12.1
1987	12.3	12.0	12.1	11.1	11.8	11.3	11.4	11.2	11.2	10.6	10.6	10.5
1988	10.4	10.5	11.0	10.8	10.6	10.3	10.0	10.0	9.5	9.8	9.7	10.1
1989	10.2	10.1	9.6	9.5	9.6	10.0	9.7	9.7	9.9	10.1	10.4	10.4
Unemployment rate, black men, 20 years and over												
1985	13.1	13.9	13.4	13.4	13.3	12.4	12.9	12.0	13.2	13.7	13.5	13.4
1986	12.9	12.8	12.6	12.7	12.5	13.2	13.0	13.4	13.8	13.6	13.0	11.9
1987	12.1	11.4	11.3	10.8	12.1	11.5	11.5	10.9	10.4	10.1	10.3	10.3
1988	10.0	10.7	11.0	10.3	10.6	10.1	9.8	9.8	9.1	9.7	9.7	9.9
1989	10.2	10.2	9.8	9.9	9.5	9.6	9.5	9.9	10.1	10.3	10.6	10.8
Unemployment rate, black women, 20 years and over												
1985	13.1	13.6	13.0	13.2	13.4	12.7	13.2	13.1	13.4	12.2	13.7	12.5
1986	12.0	12.3	12.2	12.5	12.7	12.9	12.0	12.6	12.4	12.6	12.7	12.2
1987	12.4	12.5	12.8	11.5	11.6	11.2	11.3	11.5	12.0	11.2	10.8	10.8
1988	10.8	10.3	11.0	11.2	10.7	10.6	10.2	10.1	9.8	9.8	9.7	10.2
1989	10.2	10.0	9.3	9.1	9.6	10.5	9.9	9.6	9.7	9.9	10.2	10.0
Unemployment rate, Hispanic-origin workers												
1985	10.5	9.8	10.5	10.4	10.6	10.7	11.2	10.4	10.4	11.1	10.6	10.5
1986	10.1	12.0	10.7	10.3	10.8	10.6	10.7	10.9	11.1	10.4	9.4	10.5
1987	10.3	9.9	9.3	8.9	8.6	8.4	8.1	7.9	8.3	8.4	8.9	8.3
1988	7.3	8.6	8.5	8.9	8.8	8.7	8.0	8.2	7.6	7.9	8.0	7.6
1989	8.2	7.0	6.7	8.2	7.9	8.0	8.8	8.8	8.3	8.0	8.0	8.5
Unemployment rate, married men, spouse present												
1985	4.5	4.4	4.2	4.3	4.0	4.6	4.4	4.3	4.4	4.1	4.2	4.3
1986	4.3	4.4	4.5	4.3	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	3.1	3.3	3.2	3.1	3.4	3.1	3.1	3.2	3.1
1989	3.1	3.0	2.9	3.2	2.9	2.9	3.0	3.1	3.3	3.0	3.1	3.0
Unemployment rate, married women, spouse present												
1985	5.7	5.3	5.8	5.8	5.7	5.9	5.6	5.4	5.7	5.4	5.4	5.3
1986	5.0	5.4	5.5	5.3	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.7
1987	4.7	4.7	4.5	4.4	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.3
1988	4.1	4.1	4.0	3.8	3.9	3.8	4.0	4.0	3.8	3.7	3.8	3.6
1989	3.7	3.4	3.5	4.0	3.8	3.8	3.8	3.9	3.8	3.9	3.8	3.9
Unemployment rate, women who maintain families												
1985	10.2	10.9	10.2	10.9	10.6	9.7	10.4	10.7	11.1	10.5	10.1	9.7
1986	9.9	9.9	10.1	9.6	9.9	9.9	9.4	10.1	9.9	8.9	9.9	9.9
1987	9.6	9.6	9.8	9.4	9.4	9.6	9.1	9.1	8.9	9.0	8.6	8.2
1988	8.7	8.3	7.6	8.7	8.2	7.9	8.3	7.5	8.2	8.0	7.6	8.2
1989	7.9	8.0	7.9	7.8	8.2	7.9	8.5	8.0	7.7	7.8	8.2	8.1
Unemployment rate, full-time workers												
1985	7.0	7.0	6.9	6.9	6.8	6.9	7.0	6.8	6.8	6.8	6.7	6.7
1986	6.4	6.8	6.8	6.8	6.9	6.8	6.7	6.5	6.7	6.6	6.5	6.3
1987	6.3	6.3	6.1	6.0	5.9	6.0	5.7	5.7	5.5	5.6	5.4	5.4
1988	5.3	5.4	5.3	5.1	5.2	5.0	5.0	5.3	5.1	5.0	5.0	5.0
1989	5.0	4.8	4.8	5.0	4.9	4.9	5.0	4.9	5.0	4.9	5.0	5.0
Unemployment rate, full-time workers, 16 to 19 years												
1985	20.4	20.0	18.6	17.5	18.7	19.1	21.6	19.9	19.6	21.5	20.0	20.3
1986	19.9	19.6	19.1	19.8	19.6	20.4	19.6	19.6	19.8	18.5	18.9	18.6
1987	18.0	19.0	18.6	17.8	18.3	19.3	17.3	17.1	17.2	17.7	17.0	16.1
1988	16.4	15.8	17.0	16.3	16.0	14.1	14.8	16.9	16.8	15.3	14.2	17.1
1989	17.5	15.9	15.8	16.2	16.4	16.0	16.8	16.2	15.8	16.8	16.7	16.7

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

(Percent)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, full-time workers, men, 20 years and over												
1985	6.2	6.2	6.1	6.2	5.9	6.3	6.2	6.0	6.1	6.0	6.0	5.9
1986	5.7	6.1	6.1	6.0	6.2	6.1	6.2	5.9	6.2	6.1	6.0	5.9
1987	5.8	5.7	5.6	5.5	5.5	5.6	5.4	5.2	5.0	5.1	4.9	4.8
1988	4.8	4.8	4.8	4.6	4.8	4.6	4.5	4.9	4.5	4.5	4.6	4.5
1989	4.5	4.3	4.2	4.5	4.3	4.3	4.4	4.4	4.7	4.4	4.5	4.5
Unemployment rate, full-time workers, women, 20 years and over												
1985	6.7	6.8	6.7	6.8	6.8	6.6	6.8	6.7	6.6	6.4	6.5	6.4
1986	6.2	6.6	6.6	6.5	6.5	6.4	6.0	6.1	6.3	6.3	6.0	5.8
1987	5.9	5.8	5.7	5.5	5.4	5.4	5.2	5.3	5.2	5.2	5.1	5.1
1988	5.0	5.2	4.9	4.9	4.9	4.7	4.9	4.8	4.8	4.6	4.7	4.7
1989	4.6	4.5	4.7	4.6	4.7	4.8	4.9	4.7	4.5	4.7	4.7	4.7
Unemployment rate, part-time workers												
1985	9.5	8.8	9.6	9.5	9.9	9.7	9.6	9.0	9.1	9.4	8.7	9.2
1986	8.6	9.4	9.2	9.4	9.1	9.4	9.3	9.3	9.1	8.9	9.1	8.9
1987	8.8	8.7	9.4	8.7	8.7	7.2	8.1	8.3	8.4	8.2	8.1	8.1
1988	8.2	7.8	8.0	7.5	7.7	7.7	8.0	7.5	7.4	7.3	7.1	7.0
1989	7.7	7.2	6.4	7.2	6.9	7.7	7.2	7.1	7.3	7.1	7.4	7.5
Unemployment rate, part-time workers, both sexes, 16 to 19 years												
1985	17.4	16.4	17.7	17.3	17.9	17.9	18.9	16.6	16.6	18.1	16.5	17.9
1986	16.7	17.8	17.0	18.2	17.4	18.1	16.8	17.3	17.5	16.6	17.4	16.5
1987	17.3	16.9	16.7	16.6	16.7	14.2	15.3	15.4	15.5	16.4	16.2	16.2
1988	15.5	15.1	15.7	15.3	14.8	14.3	16.1	14.6	14.5	14.2	13.6	13.0
1989	15.1	13.9	11.8	12.9	13.7	15.7	13.9	13.7	14.7	12.6	14.1	14.3
Unemployment rate, part-time workers, men, 20 years and over												
1985	7.7	7.6	7.0	8.4	8.1	7.9	7.9	7.6	6.9	7.5	7.0	6.9
1986	6.5	6.7	7.2	7.5	7.5	7.5	7.4	8.3	8.5	7.9	7.4	8.0
1987	7.3	7.0	8.2	6.5	6.8	6.0	6.7	7.2	6.6	6.0	5.8	5.8
1988	7.1	6.2	6.5	5.3	6.4	6.1	5.6	5.5	5.6	5.6	5.9	6.1
1989	6.2	6.4	5.2	6.0	5.1	6.4	5.4	5.7	5.7	6.5	6.6	5.7
Unemployment rate, part-time workers, women, 20 years and over												
1985	6.7	5.9	6.8	6.5	6.9	6.8	6.2	6.3	6.7	6.4	5.9	6.2
1986	5.8	6.6	6.3	6.2	6.0	6.0	6.6	6.1	5.5	5.8	6.0	5.7
1987	5.6	5.7	6.5	5.8	5.7	4.2	5.3	5.3	5.9	5.3	5.3	5.4
1988	5.3	5.3	5.1	4.9	5.0	5.3	5.2	5.1	5.0	5.0	4.8	4.7
1989	5.1	4.6	4.6	5.3	4.8	4.8	4.9	4.8	4.8	5.1	5.0	5.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

10. Unemployment rates for wage and salary workers by industry

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, total wage and salary workers												
1985	7.0	6.8	6.8	6.8	6.7	6.9	6.8	6.8	6.8	6.7	6.6	6.6
1986	6.3	6.0	6.7	6.7	6.8	6.7	6.6	6.5	6.5	6.6	6.5	6.3
1987	6.2	6.2	6.2	5.9	5.8	5.8	5.7	5.7	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	5.1	5.0
1989	5.2	4.9	4.8	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.0
Unemployment rate, wage and salary workers in agricultural industries												
1985	15.9	13.2	12.8	13.5	11.3	12.9	13.9	13.3	12.8	13.0	13.1	11.0
1986	11.3	13.8	12.2	13.9	14.8	13.7	11.6	13.0	12.8	11.7	10.0	12.0
1987	11.4	11.3	11.0	9.4	8.2	9.1	11.6	10.6	8.2	10.7	11.5	11.6
1988	11.4	10.6	11.1	10.4	11.8	9.6	11.4	11.4	10.9	10.1	9.4	9.0
1989	9.5	9.1	8.9	9.8	9.9	10.4	8.9	9.0	7.8	9.8	12.1	9.7
Unemployment rate, wage and salary workers in nonagricultural industries												
1985	6.8	6.7	6.7	6.7	6.6	6.8	6.7	6.6	6.7	6.6	6.5	6.5
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	6.2	6.1	6.1	5.9	5.8	5.7	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	4.9	5.0	4.9
1989	5.1	4.8	4.7	4.9	4.9	4.9	5.0	4.9	5.0	4.9	5.0	5.0
Unemployment rate, government workers in nonagricultural industries												
1985	4.2	3.9	3.9	3.9	3.9	3.9	4.1	3.9	3.8	3.9	3.6	3.9
1986	3.5	3.8	4.0	3.6	3.7	3.6	3.3	3.1	3.5	3.8	3.6	3.4
1987	3.6	3.7	3.6	3.5	3.3	3.4	3.3	3.6	3.4	3.4	3.5	3.1
1988	3.1	2.9	2.9	3.0	2.9	2.8	2.9	3.0	2.7	2.6	2.4	2.8
1989	2.7	2.7	2.7	2.7	2.9	2.9	2.8	2.7	2.8	2.7	2.7	2.6
Unemployment rate, private wage and salary workers in nonagricultural industries												
1985	7.3	7.2	7.2	7.3	7.1	7.3	7.2	7.2	7.2	7.1	7.1	7.0
1986	6.7	7.2	7.1	7.2	7.2	7.1	7.2	7.0	7.0	7.0	7.0	6.7
1987	6.6	6.6	6.6	6.3	6.3	6.2	6.1	6.0	5.9	5.9	5.8	5.6
1988	5.8	5.7	5.7	5.3	5.7	5.4	5.4	5.6	5.5	5.4	5.5	5.3
1989	5.5	5.2	5.1	5.3	5.2	5.3	5.4	5.4	5.4	5.3	5.4	5.4
Unemployment rate, private wage and salary workers in nonagricultural goods-producing industries												
1985	8.8	8.9	8.9	9.3	8.2	9.0	9.2	9.0	9.0	8.8	8.8	8.5
1986	8.3	8.5	8.5	8.3	8.7	8.7	8.6	8.4	8.5	8.9	9.1	8.5
1987	8.1	8.0	8.1	7.7	7.7	7.2	7.1	6.9	7.1	7.0	6.6	6.4
1988	6.9	6.9	6.6	6.6	6.6	6.1	6.3	6.6	6.5	6.4	6.4	6.3
1989	6.3	6.1	6.0	6.0	5.9	6.2	6.2	6.3	6.3	6.2	6.3	6.5
Unemployment rate, private wage and salary workers in mining												
1985	10.1	11.4	11.3	10.4	7.2	10.0	9.9	8.5	9.6	8.0	7.5	10.2
1986	10.6	9.7	11.0	12.5	12.9	16.0	17.2	16.4	14.3	14.0	15.2	13.9
1987	13.9	12.6	9.8	11.2	12.2	10.0	8.4	9.0	7.4	8.0	6.6	8.1
1988	7.7	7.5	8.3	8.4	9.8	7.1	5.8	7.0	8.5	8.3	8.3	7.6
1989	6.2	7.6	7.0	5.8	4.6	3.9	5.8	6.4	8.4	4.8	6.2	4.4
Unemployment rate, private wage and salary workers in construction												
1985	13.5	13.3	13.3	13.7	10.5	13.9	13.5	13.3	13.7	13.2	13.2	12.5
1986	12.8	13.1	13.0	12.4	12.9	12.5	13.3	12.3	12.8	13.6	15.0	13.5
1987	12.2	11.6	12.5	12.1	12.2	11.8	10.9	11.1	12.1	11.4	10.5	10.6
1988	11.8	10.9	10.8	10.7	10.7	10.3	10.3	10.6	9.3	10.2	10.6	10.3
1989	10.3	10.0	9.6	9.8	9.5	10.0	10.3	10.2	10.1	9.3	9.8	9.8
Unemployment rate, private wage and salary workers in manufacturing												
1985	7.5	7.6	7.6	8.0	7.7	7.7	8.0	7.9	7.7	7.6	7.7	7.3
1986	6.9	7.2	7.1	7.0	7.3	7.3	7.0	7.0	7.0	7.4	7.2	6.9
1987	6.6	6.8	6.8	6.3	6.3	5.7	6.0	5.6	5.6	5.7	5.4	5.1
1988	5.4	5.7	5.3	5.3	5.3	4.9	5.2	5.5	5.5	5.2	5.1	5.1
1989	5.2	4.9	4.8	5.0	4.9	5.1	5.1	5.2	5.2	5.4	5.4	5.6

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

(Percents)

Year	January	February	March	April	May	June	July	August	September	October	November	December
Unemployment rate, private wage and salary workers in durable goods												
1985	7.2	7.2	7.5	7.8	7.7	7.8	7.9	7.9	7.8	7.4	7.7	7.4
1986	6.9	7.3	6.8	6.9	7.2	7.1	6.7	6.9	6.6	7.5	6.8	6.4
1987	6.6	6.6	6.5	6.3	6.2	5.5	6.0	5.5	5.5	5.3	4.9	4.7
1988	5.2	5.8	5.1	4.8	5.0	4.6	5.0	5.0	5.4	4.9	4.8	4.9
1989	4.8	4.5	4.6	4.7	4.6	4.6	4.7	4.9	4.9	5.2	5.4	5.4
Unemployment rate, private wage and salary workers in nondurable goods												
1985	7.9	8.2	7.9	8.3	7.7	7.6	8.1	7.8	7.6	7.8	7.6	7.2
1986	7.0	7.2	7.5	7.0	7.5	7.6	7.3	7.0	7.6	7.2	7.8	7.5
1987	6.7	7.1	7.3	6.4	6.4	6.1	6.0	5.6	5.8	6.4	6.1	5.6
1988	5.7	5.4	5.6	6.0	5.9	5.3	5.6	6.1	5.8	5.6	5.5	5.4
1989	5.6	5.5	5.1	5.3	5.5	5.8	5.6	5.7	5.5	5.6	5.3	5.9
Unemployment rate, private wage and salary workers in nonagricultural service-producing industries												
1985	6.6	6.4	6.3	6.3	6.6	6.5	6.3	6.3	6.3	6.3	6.2	6.3
1986	5.9	6.5	6.5	6.6	6.5	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	5.3
1988	5.2	5.2	5.3	4.7	5.2	5.1	5.0	5.1	5.0	4.9	5.1	4.9
1989	5.2	4.8	4.8	5.0	4.9	4.9	5.0	4.9	5.0	4.9	5.0	4.9
Unemployment rate, private wage and salary workers in transportation and public utilities												
1985	5.3	5.5	4.5	5.3	5.1	5.1	5.3	4.7	5.4	5.1	5.3	5.2
1986	4.6	5.6	5.7	5.4	5.2	5.1	5.6	4.9	4.8	5.1	4.3	4.7
1987	4.9	4.3	4.4	4.7	4.3	4.6	4.4	4.4	4.1	4.4	4.4	4.7
1988	3.8	3.9	4.1	3.8	4.2	3.9	3.5	3.9	3.7	3.4	4.2	3.9
1989	3.9	3.9	3.9	3.9	4.0	4.1	4.1	3.7	4.5	3.9	3.6	3.4
Unemployment rate, private wage and salary workers in wholesale and retail trade												
1985	7.7	7.7	7.6	7.4	7.7	7.6	7.6	7.7	7.8	7.8	7.5	7.7
1986	7.2	7.8	7.7	8.0	8.0	7.7	7.8	7.4	7.7	7.5	7.1	7.2
1987	7.4	7.3	7.3	7.1	7.0	7.1	6.8	6.9	6.5	6.6	6.7	6.0
1988	6.2	6.4	6.9	5.9	6.4	5.9	6.1	6.3	6.3	6.0	6.0	6.1
1989	6.4	5.7	5.7	5.9	5.6	6.0	6.1	6.0	5.9	5.9	6.4	6.3
Unemployment rate, private wage and salary workers in finance and service industries												
1985	5.9	5.6	5.7	5.6	6.1	5.9	5.5	5.5	5.4	5.4	5.4	5.4
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	4.5	4.7	4.5	4.5	4.3	4.5	4.6	4.2
1989	4.6	4.3	4.3	4.6	4.6	4.3	4.4	4.4	4.5	4.3	4.3	4.2

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 729 areas in 1,973 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide industry information on nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are currently based on payroll reports from a sample of over 300,000 establishments employing over 38 million nonagricultural wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

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

Employment

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

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

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

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

Hours of work

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

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

unemployed in the household survey.

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

Household Data

(A tables)

COLLECTION AND COVERAGE

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

These monthly surveys of the population are conducted through a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this publication. Data on the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,600 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of between 4 and 5 percent. In addition to the 60,000 occupied units, there are 11,500 sample units in an average month which are visited but found to be vacant or otherwise not enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise

operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

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

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

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

Jobseekers are all unemployed persons who made specific

efforts to find a job sometime during the 4-week period preceding the survey week. Jobseekers do not include those persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some other method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated labor pickup point.

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

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

The *unemployment rate for all civilian workers* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, race, Hispanic origin, marital status, etc.

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

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

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

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the

time of interview, and reasons for not looking for work are published on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies wage and salary workers subdivided into private and government workers; self-employed workers; and unpaid family workers. Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

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

Persons who worked 35 hours or more during the survey week are designated as working *full time*. Persons who worked between 1 and 34 hours are designated as working *part time*. Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or noneconomic reasons). Economic reasons include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-

worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

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

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full- and part-time labor force* which are based on the type of job—full or part-time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of persons on full-time schedules; all persons involuntarily working part time regardless of their usual status; and unemployed persons seeking full-time jobs. The "part-time labor force" consists of persons working part time voluntarily and unemployed persons seeking part-time work. Employed persons with a job but not at work are distributed according to whether they usually work on full-time or voluntary part-time schedules.

Labor force time lost is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming that: (1) unemployed persons looking for full-time work lost an average of 37.5 hours, (2) those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

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

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin

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

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

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

Median earnings indicate the value which divides the earnings distribution into two equal parts, one part having values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$50 centered interval within which each median falls.

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

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

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

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

Family refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The

count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

Poverty areas are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the 1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas, and conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1983. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

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

HISTORICAL COMPARABILITY

Change in lower age limit

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

Report on the Labor Force, February 1967.

Noncomparability of labor force levels

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

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

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

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor

force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

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

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

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

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and virtually no differences in estimates of participation rates.

Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first and second-stage ratio adjustments, and the composite

estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

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

Changes in the occupational and industrial classification system

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

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

The 1980 census occupational classification system evolved

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

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

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

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced, in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. In October 1978, a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mo-

mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information rather than 1970 census information. The selection of new sample areas provided an opportunity to improve the efficiency of the sample design. Sample areas chosen to replace incoming sample areas account for only 10 percent of the national estimate. The new CPS sample has resulted in increased reliability for State estimates with a slightly reduced sample size. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.) A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State have the same probability of selection. These estimates are then adjusted for noninterviews, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	1330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	2333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to Mar. 1988	729	57,000	2,500	11,000
Apr. 1988 to Mar. 1989	729	53,200	2,600	11,500
Nov. 1989 to present ³	729	57,400	2,600	11,800

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

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

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

each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by "central city" and "balance of the MSA". Residence categories of non-MSA areas are "urban" and "rural". The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, etc.

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

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

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment, which is performed to

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

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population using the two most recent July 1 estimates, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 957 of that series. A description of the age estimates methodology is available in Report 1010 of that series.

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

and emigrants to yield an estimate of the Hispanic population by age and sex.

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

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

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

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

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

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

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

Nonsampling errors occurring in the interview phase of the survey have been studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in the *Current Population Survey Reinterview Program*,

January 1961 Through December 1966, Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 6 percent. It is known that the CPS undercoverage varies with age, sex, race, and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics, and other races combined than for whites. Ratio estimation to independent age-sex-race-Hispanic origin population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race-Hispanic origin group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6

standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations are required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors are computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

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

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

Table B. Standard errors for major employment status categories

(in thousands)

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

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 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

Table C. Standard errors for unemployment rates by major characteristics

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

reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

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

Illustration. Assume that in a given month 2.9 percent of a total of 112,440,000 employed persons are employed in agriculture. The standard error on an estimate of 2.9 percent with a base of 112,440,000 is obtained from table H (0.08 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 2.9 percent is then approximately $0.08 \times 1.26 = 0.10$ percentage point.

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

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.2 percent, based on a total of 119,865,000 in the civilian labor force, and that

Table D. Standard errors for estimates of monthly level

(in thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Unemployment		Labor force data other than agricultural employment and unemployment					
		Total or white	Black	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only
50	15	11	12	12	12	12	12	11	10
100	21	16	17	17	17	17	16	15	14
500	47	36	38	37	37	36	32	34	31
1,000	66	51	53	52	51	50	35	49	43
2,000	93	72	73	74	70	68	-	68	58
4,000	131	101	97	104	92	86	-	95	73
6,000	159	123	110	126	104	92	-	115	76
8,000	182	141	116	145	109	88	-	132	69
10,000	202	156	-	161	108	72	-	145	47
15,000	-	188	-	193	74	-	-	172	-
20,000	-	213	-	219	-	-	-	191	-
30,000	-	-	-	259	-	-	-	215	-
40,000	-	-	-	286	-	-	-	225	-
50,000	-	-	-	306	-	-	-	222	-
60,000	-	-	-	319	-	-	-	206	-
70,000	-	-	-	326	-	-	-	172	-
80,000	-	-	-	327	-	-	-	107	-
100,000	-	-	-	314	-	-	-	-	-
120,000	-	-	-	274	-	-	-	-	-
140,000	-	-	-	195	-	-	-	-	-

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

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

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

(in thousands)

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

¹ See footnote 1, table D.

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

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

a year prior to this the unemployment rate was 7.0 percent, based on a total of 117,834,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.6 percent with a base of 118,850,000, is obtained from table F (0.11 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by 0.11 x 1.40 = 0.15 percentage point.

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

Standard error of year-to-year change =

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

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

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

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

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

or about 259,000.

Table F. Standard errors for unemployment rates

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

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

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

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

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.34	3.29	5.12	7.05	8.39	9.40	10.18	10.77	11.21	11.75
100	1.65	2.33	3.62	4.99	5.94	6.65	7.20	7.62	7.93	8.31
500	.74	1.04	1.62	2.23	2.65	2.97	3.22	3.41	3.55	3.72
1,000	.52	.74	1.15	1.58	1.88	2.10	2.28	2.41	2.51	2.63
2,000	.37	.52	.81	1.12	1.33	1.49	1.61	1.70	1.77	1.86
4,000	.26	.37	.57	.79	.94	1.05	1.14	1.20	1.25	1.31
6,000	.21	.30	.47	.64	.77	.86	.93	.98	1.02	1.07
10,000	.17	.23	.36	.50	.59	.66	.72	.76	.79	.83
20,000	.12	.16	.26	.35	.42	.47	.51	.54	.56	.59
40,000	.08	.12	.18	.25	.30	.33	.36	.38	.40	.42
60,000	.07	.10	.15	.20	.24	.27	.29	.31	.32	.34
80,000	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
100,000	.05	.07	.11	.16	.19	.21	.23	.24	.25	.26
120,000	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
140,000	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22
160,000	.04	.06	.09	.12	.15	.17	.18	.19	.20	.21

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

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

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

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

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

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

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	64	127	88
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	102	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	233	201	174	-	242	-
50,000	296	301	-	-	160	100	-	249	-
75,000	331	304	-	-	160	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

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

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the

industry indicated by the principal product or activity.

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

Industry employment

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

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

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

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

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

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

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

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

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations:

Construction workers include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, and sick leave paid directly by the firm. Bonuses (unless

earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

Hours cover the hours paid for during the pay period which includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which included the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

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

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

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

Since overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours.

Average hourly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under production worker, construction worker, or nonsupervisory employee definitions.

Average hourly earnings, including lump-sum wage payments. These series are compiled only for aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing. The same concepts and estimation methods apply to these series as apply to the average hourly earnings series described above; the one difference between the series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 and SIC 3761 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

Average hourly earnings excluding overtime. Average hourly earnings, excluding overtime premium pay, are computed by dividing the total production worker payroll for the industry group by the sum of total production worker hours and one-half of total overtime hours. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Railroad hours and earnings. The figures for Class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC

group I) who received pay during the month. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees, as defined above. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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

Long-time trends of average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

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

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation; (2) periodic adjustment of employment levels to new benchmarks; and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current-month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these link relatives. In addition, bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

A number of industries are stratified by size of establish-

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

Benchmark adjustments

Employment estimates are compared periodically with

benchmarks (comprehensive counts of employment) for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1988 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the

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

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

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

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

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

Interstate Commerce Commission, and a number of other agencies in private industry or government.

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

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

THE SAMPLE

Design

The sampling plan used in the establishment survey is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a larger percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments, with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclu-

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

(In thousands)

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

sion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS establishment survey program, with its emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after the reference period, and, at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table N shows the latest benchmarks and the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Table N. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1988

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

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

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

³ Total Federal employment counts for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 5,000 reports covering about 56 percent of employment in Federal establishments.

Reliability

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may accumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors, which may be expressed as

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

(In percent)

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

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

² Relative errors relate to 1982 data.

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

relative errors of the estimate. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table O and for individual industries with the specified number of employees in table P. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

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

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

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

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

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas.

Table P. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

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

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

Table Q. Errors of preliminary employment estimates

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

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

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

COLLECTION

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

CONCEPTS

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

Output is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of all persons (productivity) measure changes in the volume of goods and services produced per hour at work.

Compensation per hour includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted by the Consumer Price Index for All Urban Consumers (CPI-U).

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour.

Unit nonlabor payments include profits, capital consump-

tion allowances, interest, rental income of persons, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross product originating in the sector and dividing by output. In these tables, *unit nonlabor costs* contain all the components of unit nonlabor payments except unit profits.

Unit profits include corporate profits and inventory valuation and capital consumption adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

NOTES ON THE DATA

For the business sector and the nonfarm business sector, these indexes relate to the gross domestic product less general government, households and institutions, owner-occupied housing, and the statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business. All measures are seasonally adjusted.

Manufacturing output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis.

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

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

Annual average data for the States and areas shown in table

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

Labor force estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. The report "Unemployment in States and Local Areas" is published monthly through GPO and is available in microfiche form only, on a subscription basis.

ESTIMATING METHODS

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

Estimates for States

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

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

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

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

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

In both the employment and unemployment rate models,

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

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

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

Estimates for sub-State areas

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

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

Preliminary estimate—unemployment. In the current month, the estimate of unemployment is an aggregate of the estimates for each of three categories: (1) persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for the first time or reentering after a period of separation.

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

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

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

Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published monthly in *Employment and Earnings*.

Since January 1980, national labor force data have been seasonally adjusted with a procedure called *X-11 ARIMA* (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method* by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, January 1983.

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

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (men and women under and over 20 years of age)

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

Revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate the civilian unemployment rate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

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

All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series.

Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and

seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

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

Seasonal adjustment factors for Federal Government

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

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

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

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