

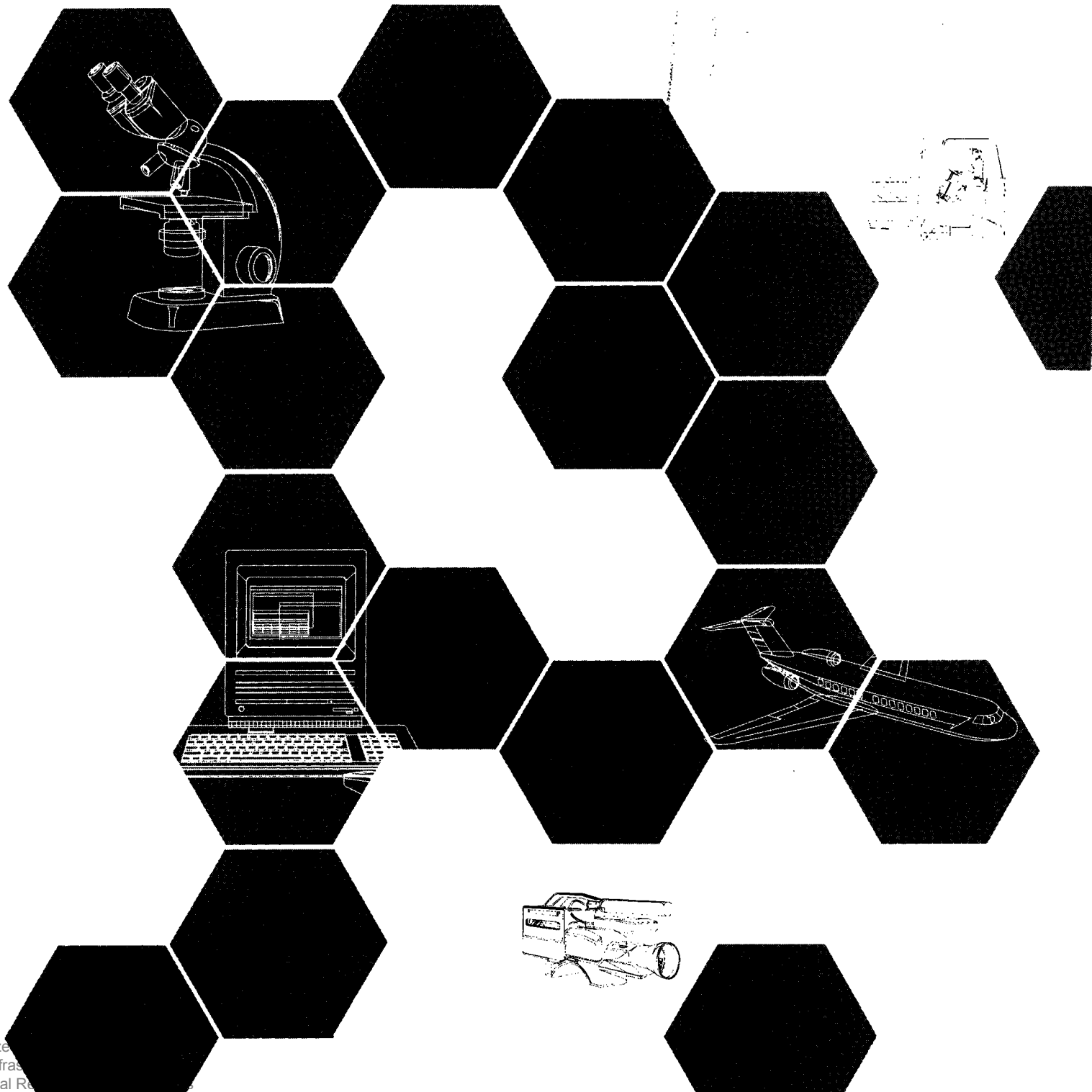
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EMPLOYMENT AND EARNINGS

U.S. Department of Labor
Bureau of Labor Statistics
July 1997

In this issue: Second quarter 1997 averages
and new seasonal factors for
household survey data



Monthly Household Data

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component rose by 29,000 in June. Federal government employment continued to decline.

Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls edged up by 0.1 hour in June to 34.7 hours, seasonally adjusted. The manufacturing workweek and factory overtime both fell slightly, to 41.9 hours and 4.7 hours, respectively. (See table B-8.)

The index of aggregate weekly hours of private production or nonsupervisory workers on nonfarm payrolls rose by

0.4 percent to 140.7 (1982=100) in June, on a seasonally adjusted basis. The manufacturing index declined by 0.3 percent to 108.0. (See table B-9.)

Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers on nonfarm payrolls were up by 4 cents in June to \$12.22, seasonally adjusted. Average weekly earnings increased by 0.6 percent to \$424.03. Over the past year, both average hourly earnings and average weekly earnings have risen by 3.5 percent. (See table B-11.)

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>
July	August 1	October	November 7
August	September 5	November	December 5
September	October 3	December	January 9

New Seasonal Adjustment Factors for Household Data Series

Robert J. McIntire

Semiannually, the Bureau of Labor Statistics publishes the factors to be used during the following 6 months for seasonal adjustment of the major labor force series. Table 1 presents the seasonal adjustment factors for the 12 major labor force components for the period July-December 1997. The factors for these components for the first 6 months of 1997 were published in the January 1997 issue of *Employment and Earnings*. The 12 seasonally adjusted series which result from the application of these factors are used in the computation of the seasonally adjusted figures for the national overall levels of labor force, employment, and unemployment and the overall unemployment rate.

The new seasonal factors have been extrapolated using the X-11 ARIMA program with data from January 1990 through June 1997 for each series. The ARIMA models used were the same as those used earlier in the year for the extrapolation of the factors for January through June; they were identified in the January 1997 issue of this publication. The historical seasonally adjusted data, including the first 6 months of 1997, will not be revised until the beginning of 1998.

Because of the changes introduced at the beginning of

1994 in the survey and the processing procedures on which the labor force series estimates are based,¹ prior adjustment factors were used in these X-11 ARIMA runs to link the pre-1994 data with the subsequent data for purposes of seasonal adjustment. The prior adjustment factors used in these runs were the same as those used in the runs that provided the factors for January through June. The prior adjustment factors for the 12 major components are shown in table 1 alongside the seasonal factors.

More detailed information on the seasonal adjustment procedures and the revision of historical data is included in "Revision of Seasonally Adjusted Labor Force Series, *Employment and Earnings*, January 1997."

Data for any of the several hundred seasonally adjusted labor force series and the July-December 1997 seasonal adjustment factors for any of the other independently adjusted series—there are about 160 in addition to the 12 major components—may be obtained from BLS upon request. Requests for data or inquiries concerning seasonal adjustment methods or the availability of machine-readable files of other labor force data should be addressed to the Division of Data Development and Publications, Bureau of Labor Statistics, Washington, D.C. 20212-0001.

Robert J. McIntire is an economist and Chief of the Division of Data Development and Publications, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics.

¹ The changes were described in "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of *Employment and Earnings*.

Table 1. Prior adjustment and July-December 1997 seasonal adjustment factors for the 12 major civilian labor force components

Procedure and series	Prior adjustment factors	Seasonal adjustment factors					
		July	August	September	October	November	December
Multiplicative adjustment (Divide factor into original value)							
Agricultural employment:							
Men, 20 years and over	(¹)	1.068	1.054	1.028	1.033	.983	.937
Women, 20 years and over .....	.776	1.072	1.062	1.053	1.027	.962	.925
Men, 16 to 19 years .....	.860	1.626	1.406	1.014	.844	.757	.660
Women, 16 to 19 years .....	.853	1.608	1.451	1.113	.911	.863	.752
Nonagricultural employment:							
Men, 20 years and over	(¹)	1.006	1.006	1.004	1.007	1.002	1.000
Women, 20 years and over	(¹)	.991	.990	1.002	1.008	1.012	1.007
Unemployment:							
Men, 20 years and over .....	.938	.951	.915	.898	.873	.941	.963
Women, 20 years and over .....	.976	1.083	1.086	1.025	.994	.964	.935
Additive adjustment (Subtract factor from original value)							
Nonagricultural employment:							
Men, 16 to 19 years	-68	747	511	-74	-74	-158	-161
Women, 16 to 19 years	-96	647	447	-156	-115	-88	-46
Unemployment:							
Men, 16 to 19 years	-47	173	-26	-83	-49	-58	-88
Women, 16 to 19 years	(¹)	154	-40	-41	-44	-35	-82

¹ No prior adjustment was done.

Summary table A. Major labor force status categories, seasonally adjusted

(Numbers in thousands)

Category	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Labor force status													
Civilian noninstitutional population	200,459	200,641	200,847	201,061	201,273	201,463	201,636	202,285	202,389	202,513	202,674	202,832	203,000
Civilian labor force	133,709	134,165	133,898	134,291	134,636	134,831	135,022	135,848	135,634	136,319	136,098	136,173	136,200
Percent of population	66.7	66.9	66.7	66.8	66.9	66.9	67.0	67.2	67.0	67.3	67.2	67.1	67.1
Employed	126,590	126,889	126,988	127,248	127,617	127,644	127,855	128,580	128,430	129,175	129,384	129,639	129,364
Percent of population	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.6	63.5	63.8	63.8	63.9	63.7
Unemployed	7,119	7,276	6,910	7,043	7,019	7,187	7,167	7,268	7,205	7,144	6,714	6,534	6,836
Not in labor force	66,750	66,476	66,949	66,770	66,637	66,632	66,614	66,437	66,754	66,194	66,577	66,659	66,800
Unemployment rates													
All workers	5.3	5.4	5.2	5.2	5.2	5.3	5.3	5.4	5.3	5.2	4.9	4.8	5.0
Men, 20 years and over	4.6	4.6	4.2	4.5	4.4	4.4	4.4	4.6	4.4	4.4	4.2	3.8	4.2
Women, 20 years and over	4.7	4.9	4.7	4.6	4.7	4.8	4.9	4.6	4.7	4.7	4.4	4.5	4.4
Both sexes, 16 to 19 years	16.2	16.7	17.0	16.0	16.3	16.8	16.5	17.0	17.5	16.4	15.4	15.6	16.8
White	4.6	4.7	4.5	4.5	4.5	4.6	4.6	4.6	4.5	4.5	4.2	4.0	4.2
Black	10.2	10.5	10.4	10.7	10.7	10.6	10.5	10.6	11.3	10.7	9.8	10.3	10.4
Hispanic origin	8.8	6.9	8.8	6.3	6.2	8.3	7.7	8.3	8.1	8.6	8.1	7.4	7.6

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

Summary table B. Employment, hours, and earnings of production or nonsupervisory workers on nonfarm payrolls, seasonally adjusted

(Numbers in thousands)

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
Employment													
Total	119,516	119,891	119,983	120,019	120,248	120,450	120,659	120,909	121,162	121,344	121,671	121,837	122,054
Total private	100,079	100,238	100,433	100,508	100,759	100,858	101,145	101,380	101,615	101,799	102,092	102,272	102,423
Goods-producing industries	24,453	24,433	24,468	24,439	24,479	24,508	24,540	24,581	24,653	24,670	24,667	24,701	24,713
Mining	577	574	574	571	570	571	571	574	574	572	573	576	576
Construction	5,408	5,417	5,433	5,441	5,467	5,495	5,521	5,542	5,604	5,609	5,599	5,625	5,623
Manufacturing	18,468	18,442	18,481	18,427	18,442	18,442	18,448	18,465	18,475	18,489	18,495	18,500	18,514
Service-producing industries	95,063	95,258	95,515	95,580	95,789	95,942	96,119	96,328	96,509	96,674	97,004	97,136	97,341
Transportation and public utilities	6,270	6,296	6,299	6,290	6,293	6,303	6,268	6,351	6,376	6,405	6,421	6,428	6,431
Wholesale trade	6,469	6,461	6,497	6,513	6,538	6,549	6,559	6,570	6,593	6,611	6,622	6,630	6,631
Retail trade	21,600	21,651	21,692	21,716	21,791	21,847	21,912	21,917	21,922	21,945	22,029	22,020	22,078
Finance, insurance, and real estate	8,897	8,910	8,917	8,925	8,941	8,949	8,962	8,971	8,980	8,992	7,019	7,031	7,043
Services	34,390	34,465	34,560	34,621	34,717	34,800	34,864	34,990	35,091	35,178	35,334	35,464	35,527
Government	19,437	19,455	19,550	19,513	19,489	19,494	19,514	19,529	19,547	19,545	19,579	19,565	19,631
Over-the-month change													
Total	253	175	292	36	229	202	209	250	253	182	327	166	217
Total private	232	157	197	73	253	197	189	235	235	184	293	160	151
Goods-producing industries	21	-20	35	-29	40	29	32	41	72	17	-3	34	12
Mining	-2	-3	0	-3	-1	1	0	3	0	-2	1	3	0
Construction	24	9	16	6	26	26	26	21	62	5	-10	26	-2
Manufacturing	-1	-28	19	-34	15	0	6	17	10	14	6	5	14
Service-producing industries	232	195	257	65	189	173	177	209	181	165	330	132	205
Transportation and public utilities	24	28	3	-9	3	10	-15	63	25	29	16	5	5
Wholesale trade	12	12	16	16	25	11	10	11	23	18	11	6	1
Retail trade	53	51	41	26	73	58	65	5	5	23	84	-9	58
Finance, insurance, and real estate	9	13	7	8	16	8	13	9	9	12	27	12	12
Services	113	75	95	61	96	83	84	106	101	65	158	130	63
Government	21	16	95	-37	-24	5	20	15	16	-2	34	-14	66
Hours of work¹													
Total private	34.7	34.3	34.5	34.7	34.4	34.5	34.7	34.4	34.8	34.6	34.5	34.6	34.7
Manufacturing	41.7	41.8	41.7	41.7	41.7	41.7	42.0	41.8	41.9	42.1	42.1	42.0	41.9
Overtime	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7	4.7	4.9	4.9	4.8	4.7
Indexes of aggregate weekly hours (1982=100)¹													
Total private	137.6	138.1	137.1	137.9	137.2	137.9	139.1	138.2	140.0	140.2	139.8	140.1	140.7
Manufacturing	107.3	106.6	107.2	107.1	106.9	107.2	107.8	107.4	107.9	106.3	106.5	106.3	106.0
Earnings¹													
Average hourly earnings, total private:													
Current dollars	\$11.81	\$11.61	\$11.66	\$11.91	\$11.91	\$11.96	\$12.03	\$12.05	\$12.10	\$12.14	\$12.14	\$12.16	\$12.22
Constant (1982) dollars ²	7.44	7.42	7.44	7.45	7.42	7.44	7.45	7.46	7.47	7.49	7.49	7.52	N.A.
Average weekly earnings, total private	409.61	405.08	409.17	413.26	409.70	413.31	417.44	414.52	421.08	422.47	416.83	421.43	\$424.03

¹ Data relate to private production or nonsupervisory workers.

N.A. = not available.

² The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

^P = preliminary.

Chart 1. Nonfarm payroll employment, seasonally adjusted, 1993-97

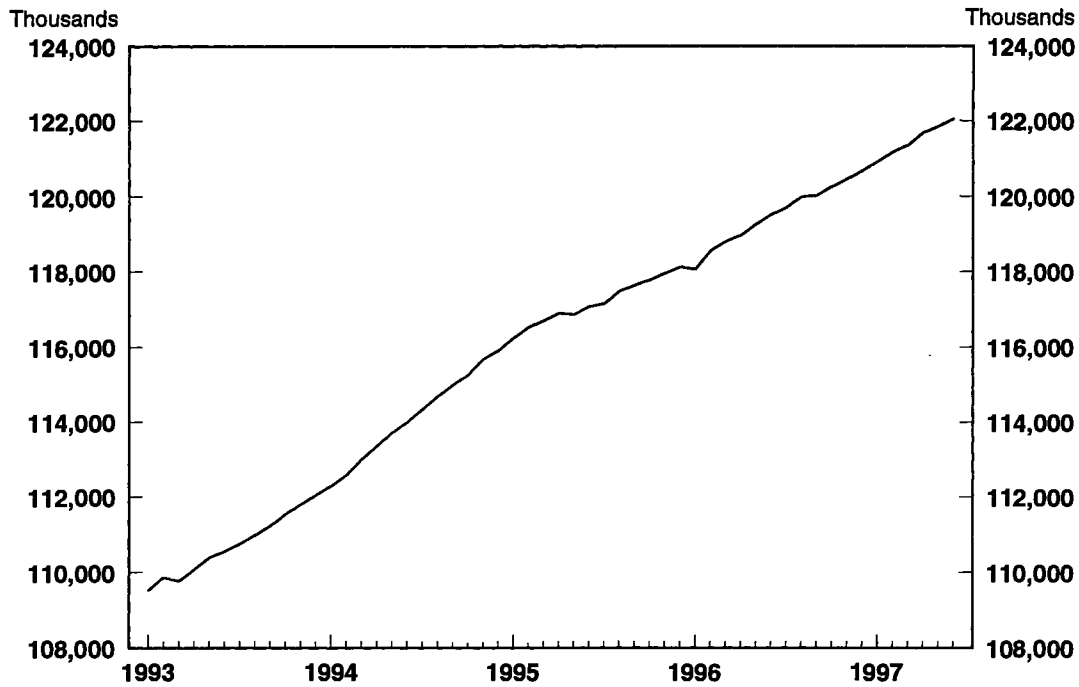
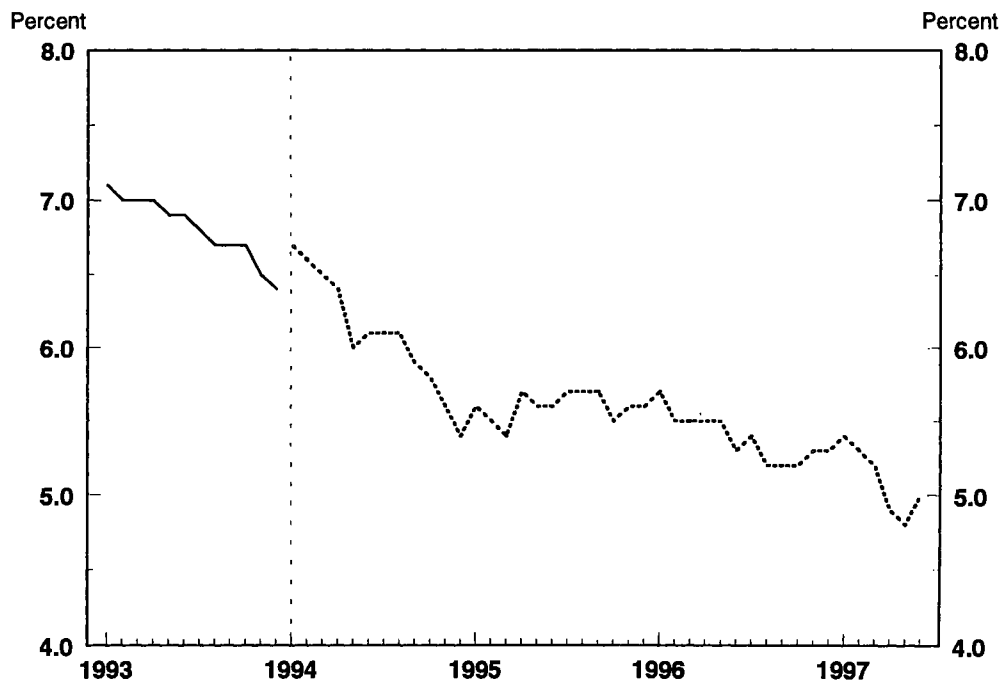


Chart 2. Unemployment rate, seasonally adjusted, 1993-97



NOTE: Beginning in 1990, data reflect 1990 census-based population controls, adjusted for the estimated undercount. Beginning in 1994, data reflect the introduction of a major redesign of the Current Population Survey. Beginning in 1997, data incorporate revisions in the population controls used in the survey. These changes affect comparability with data for prior periods.

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the civilian noninstitutional population 16 years and over, 1963 to date

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Number	Percent of population	Employed				Unemployed		
				Number	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1963	122,416	71,833	58.7	67,762	55.4	4,687	63,076	4,070	5.7	50,583
1964	124,485	73,091	58.7	69,305	55.7	4,523	64,782	3,786	5.2	51,394
1965	126,513	74,455	58.9	71,088	56.2	4,361	66,726	3,366	4.5	52,058
1966	128,058	75,770	59.2	72,895	56.9	3,979	68,915	2,875	3.8	52,288
1967	129,874	77,347	59.6	74,372	57.3	3,844	70,527	2,975	3.8	52,527
1968	132,028	78,737	59.6	75,920	57.5	3,817	72,103	2,817	3.6	53,291
1969	134,335	80,734	60.1	77,902	58.0	3,606	74,296	2,832	3.5	53,602
1970	137,085	82,771	60.4	78,678	57.4	3,463	75,215	4,093	4.9	54,315
1971	140,216	84,382	60.2	79,367	56.6	3,394	75,972	5,016	5.9	55,834
1972 ¹	144,126	87,034	60.4	82,153	57.0	3,484	78,669	4,882	5.6	57,091
1973 ¹	147,096	89,429	60.8	85,064	57.8	3,470	81,594	4,365	4.9	57,667
1974	150,120	91,949	61.3	86,794	57.8	3,515	83,279	5,156	5.6	58,171
1975	153,153	93,775	61.2	85,846	56.1	3,408	82,438	7,929	8.5	59,377
1976	156,150	96,158	61.6	88,752	56.8	3,331	85,421	7,406	7.7	59,991
1977	159,033	99,009	62.3	92,017	57.9	3,283	88,734	6,991	7.1	60,025
1978 ¹	161,910	102,251	63.2	96,048	59.3	3,387	92,661	6,202	6.1	59,659
1979	164,863	104,962	63.7	98,824	59.9	3,347	95,477	6,137	5.8	59,900
1980	167,745	106,940	63.8	99,303	59.2	3,364	95,938	7,637	7.1	60,806
1981	170,130	108,670	63.9	100,397	59.0	3,368	97,030	8,273	7.6	61,460
1982	172,271	110,204	64.0	99,526	57.8	3,401	96,125	10,678	9.7	62,067
1983	174,215	111,550	64.0	100,834	57.9	3,383	97,450	10,717	9.6	62,665
1984	176,383	113,544	64.4	105,005	59.5	3,321	101,685	8,539	7.5	62,839
1985	178,206	115,461	64.8	107,150	60.1	3,179	103,971	8,312	7.2	62,744
1986 ¹	180,587	117,834	65.3	109,597	60.7	3,163	106,434	8,237	7.0	62,752
1987	182,753	119,865	65.6	112,440	61.5	3,208	109,232	7,425	6.2	62,888
1988	184,613	121,669	65.9	114,968	62.3	3,169	111,800	6,701	5.5	62,944
1989	186,393	123,869	66.5	117,342	63.0	3,199	114,142	6,528	5.3	62,523
1990 ¹	189,164	125,840	66.5	118,793	62.8	3,223	115,570	7,047	5.6	63,324
1991	190,925	126,346	66.2	117,718	61.7	3,269	114,449	8,628	6.8	64,578
1992	192,805	128,105	66.4	118,492	61.5	3,247	115,245	9,613	7.5	64,700
1993	194,838	129,200	66.3	120,259	61.7	3,115	117,144	8,940	6.9	65,638
1994 ¹	196,814	131,056	66.6	123,060	62.5	3,409	119,651	7,996	6.1	65,758
1995	198,584	132,304	66.6	124,900	62.9	3,440	121,480	7,404	5.6	66,280
1996	200,591	133,943	66.8	126,708	63.2	3,443	123,264	7,236	5.4	66,647
Monthly data, seasonally adjusted ²										
1996:										
June	200,459	133,709	66.7	126,590	63.2	3,408	123,182	7,119	5.3	66,750
July	200,641	134,165	66.9	126,889	63.2	3,470	123,419	7,276	5.4	66,476
August	200,847	133,898	66.7	126,988	63.2	3,418	123,570	6,910	5.2	66,949
September	201,061	134,291	66.8	127,248	63.3	3,480	123,768	7,043	5.2	66,770
October	201,273	134,636	66.9	127,617	63.4	3,450	124,167	7,019	5.2	66,637
November	201,463	134,831	66.9	127,644	63.4	3,354	124,290	7,187	5.3	66,632
December	201,636	135,022	67.0	127,855	63.4	3,426	124,429	7,167	5.3	66,614
1997:										
January ³	202,285	135,848	67.2	128,580	63.6	3,468	125,112	7,268	5.4	66,437
February	202,389	135,634	67.0	128,430	63.5	3,292	125,138	7,205	5.3	66,754
March	202,513	136,319	67.3	129,175	63.8	3,386	125,789	7,144	5.2	66,194
April	202,674	136,098	67.2	129,384	63.8	3,497	125,887	6,714	4.9	66,577
May	202,832	136,173	67.1	129,639	63.9	3,430	126,209	6,534	4.8	66,659
June	203,000	136,200	67.1	129,364	63.7	3,391	125,973	6,836	5.0	66,800

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

² The population figures are not adjusted for seasonal variation.

³ Beginning in January 1997, data are not strictly comparable with data

for 1996 and earlier years because of revisions in the population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1997" in the February 1997 issue of this publication.

A-2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1986 to date

(Numbers in thousands)

Sex, year, and month	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Number	Percent of population	Employed				Unemployed		
				Number	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
MEN										
1986 ¹	85,798	65,422	78.3	60,892	71.0	2,511	58,381	4,530	6.9	20,376
1987	86,899	66,207	78.2	62,107	71.5	2,543	59,564	4,101	6.2	20,692
1988	87,857	66,927	76.2	63,273	72.0	2,493	60,780	3,655	5.5	20,930
1989	88,762	67,840	76.4	64,315	72.5	2,513	61,802	3,525	5.2	20,923
1990 ¹	90,377	69,011	76.4	65,104	72.0	2,546	62,559	3,906	5.7	21,367
1991	91,278	69,168	75.8	64,223	70.4	2,589	61,634	4,946	7.2	22,110
1992	92,270	69,964	75.8	64,440	69.8	2,575	61,866	5,523	7.9	22,306
1993	93,332	70,404	75.4	65,349	70.0	2,478	62,871	5,055	7.2	22,927
1994 ¹	94,355	70,817	75.1	66,450	70.4	2,554	63,896	4,367	6.2	23,538
1995	95,178	71,360	75.0	67,377	70.8	2,559	64,818	3,983	5.6	23,818
1996	96,206	72,087	74.9	68,207	70.9	2,573	65,834	3,880	5.4	24,119
Monthly data, seasonally adjusted ²										
1996:										
June	96,140	72,110	75.0	68,251	71.0	2,535	65,716	3,859	5.4	24,030
July	96,230	72,317	75.2	68,376	71.1	2,585	65,791	3,941	5.4	23,913
August	96,335	71,961	74.7	68,368	71.0	2,550	65,818	3,593	5.0	24,374
September	96,447	72,087	74.7	68,304	70.8	2,592	65,712	3,783	5.2	24,360
October	96,556	72,363	74.9	68,647	71.1	2,607	66,040	3,716	5.1	24,193
November	96,654	72,362	74.9	68,589	71.0	2,525	66,064	3,773	5.2	24,292
December	96,742	72,414	74.9	68,707	71.0	2,618	66,089	3,707	5.1	24,328
1997:										
January ³	97,264	73,106	75.2	69,184	71.1	2,611	66,553	3,942	5.4	24,158
February	97,320	72,967	75.0	69,232	71.1	2,470	66,763	3,755	5.1	24,333
March	97,387	73,268	75.2	69,478	71.3	2,585	66,894	3,790	5.2	24,118
April	97,474	73,232	75.1	69,627	71.4	2,674	66,953	3,604	4.9	24,242
May	97,559	73,200	75.0	69,929	71.7	2,640	67,289	3,271	4.5	24,359
June	97,649	73,242	75.0	69,567	71.2	2,599	66,988	3,674	5.0	24,407
Annual averages										
WOMEN										
1986 ¹	94,789	52,413	55.3	48,706	51.4	652	48,054	3,707	7.1	42,376
1987	95,853	53,858	58.0	50,334	52.5	668	49,668	3,324	6.2	42,195
1988	96,756	54,742	58.6	51,888	53.4	678	51,210	3,046	5.6	42,014
1989	97,830	56,030	57.4	53,027	54.3	887	52,341	3,003	5.4	41,601
1990 ¹	98,787	56,829	57.5	53,889	54.3	678	53,011	3,140	5.5	41,957
1991	99,646	57,178	57.4	53,498	53.7	680	52,815	3,883	8.4	42,468
1992	100,535	58,141	57.8	54,052	53.8	672	53,380	4,090	7.0	42,394
1993	101,506	58,795	57.9	54,910	54.1	637	54,273	3,885	6.6	42,711
1994 ¹	102,480	60,239	58.8	56,810	55.3	855	55,755	3,629	6.0	42,221
1995	103,408	60,944	58.9	57,523	55.6	881	56,642	3,421	5.6	42,462
1996	104,385	61,857	58.3	58,501	56.0	871	57,630	3,356	5.4	42,528
Monthly data, seasonally adjusted ²										
1996:										
June	104,319	61,599	59.0	58,339	55.9	873	57,466	3,260	5.3	42,720
July	104,411	61,848	59.2	58,513	56.0	885	57,628	3,335	5.4	42,563
August	104,512	61,937	59.3	58,620	56.1	868	57,752	3,317	5.4	42,575
September	104,614	62,204	59.5	58,944	56.3	888	58,056	3,260	5.2	42,410
October	104,717	62,273	59.5	58,970	56.3	843	58,127	3,303	5.3	42,444
November	104,809	62,489	59.6	59,055	56.3	829	58,226	3,414	5.5	42,340
December	104,894	62,808	59.7	59,148	56.4	808	58,340	3,460	5.5	42,286
1997:										
January ³	105,022	62,742	59.7	59,416	56.6	857	58,559	3,327	5.3	42,279
February	105,088	62,847	59.8	59,197	56.3	822	58,375	3,450	5.5	42,421
March	105,127	63,051	60.0	59,897	56.8	802	58,895	3,354	5.3	42,076
April	105,200	62,866	59.8	59,756	56.8	822	58,934	3,109	4.9	42,335
May	105,274	62,973	59.8	59,710	56.7	791	58,920	3,263	5.2	42,300
June	105,351	62,958	59.8	59,796	56.8	792	59,005	3,162	5.0	42,393

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

² The population figures are not adjusted for seasonal variation.

³ Beginning in January 1997, data are not strictly comparable with data for 1996 and earlier years because of revisions in the population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1997" in the February 1997 issue of this publication.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-4. 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	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
WHITE													
Civilian noninstitutional population ¹	168,222	168,345	168,489	168,639	168,788	168,924	169,044	169,436	169,492	169,569	169,675	169,782	169,697
Civilian labor force	112,940	113,139	112,904	113,334	113,625	113,816	113,991	114,377	114,333	114,736	114,618	114,630	114,691
Percent of population	67.1	67.2	67.0	67.2	67.3	67.4	67.4	67.5	67.5	67.7	67.6	67.5	67.5
Employed	107,733	107,862	107,853	108,217	108,527	108,570	108,734	109,151	109,197	109,630	109,831	110,052	109,821
Employment-population ratio	64.0	64.1	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.7	64.7	64.8	64.6
Unemployed	5,207	5,277	5,051	5,117	5,098	5,246	5,257	5,226	5,136	5,108	4,786	4,578	4,870
Unemployment rate	4.6	4.7	4.5	4.5	4.5	4.6	4.6	4.6	4.5	4.5	4.2	4.0	4.2
Men, 20 years and over													
Civilian labor force	58,366	58,432	58,347	58,343	58,539	58,549	58,623	59,042	58,968	59,161	59,196	59,008	59,088
Percent of population	77.4	77.4	77.3	77.2	77.4	77.3	77.4	77.7	77.5	77.7	77.7	77.4	77.5
Employed	55,992	56,085	56,143	56,042	56,294	56,276	56,356	56,653	56,692	56,923	57,057	57,112	56,981
Employment-population ratio	74.3	74.3	74.4	74.2	74.4	74.3	74.4	74.5	74.5	74.8	74.9	74.9	74.7
Unemployed	2,374	2,347	2,204	2,301	2,245	2,273	2,267	2,388	2,275	2,238	2,139	1,895	2,107
Unemployment rate	4.1	4.0	3.8	3.9	3.8	3.9	3.9	4.0	3.9	3.8	3.6	3.2	3.6
Women, 20 years and over													
Civilian labor force	47,992	48,074	48,162	48,314	48,380	48,558	48,686	48,631	48,619	48,832	48,662	48,874	48,924
Percent of population	59.2	59.3	59.4	59.5	59.6	59.8	59.9	59.8	59.8	60.0	59.8	60.0	60.1
Employed	46,075	46,097	46,232	46,394	46,439	46,530	46,614	46,750	46,747	46,915	46,902	47,047	47,128
Employment-population ratio	58.9	58.9	57.0	57.2	57.2	57.3	57.3	57.5	57.5	57.7	57.8	57.8	57.9
Unemployed	1,917	1,977	1,930	1,920	1,941	2,028	2,072	1,881	1,872	1,917	1,759	1,827	1,795
Unemployment rate	4.0	4.1	4.0	4.0	4.0	4.2	4.3	3.9	3.9	3.9	3.6	3.7	3.7
Both sexes, 16 to 19 years													
Civilian labor force	6,582	6,633	6,395	6,877	6,708	6,709	6,882	6,704	6,746	6,742	6,760	6,748	6,679
Percent of population	55.7	56.0	53.8	58.0	56.1	56.0	55.6	55.3	55.6	55.6	55.7	55.5	54.9
Employed	5,666	5,680	5,478	5,781	5,794	5,784	5,784	5,747	5,758	5,792	5,872	5,893	5,711
Employment-population ratio	48.0	48.0	46.1	48.5	48.5	48.1	48.0	47.4	47.5	47.7	48.4	48.5	48.9
Unemployed	916	953	917	898	912	945	918	957	988	951	888	855	968
Unemployment rate	13.9	14.4	14.3	13.4	13.6	14.1	13.7	14.3	14.6	14.1	13.1	12.7	14.5
Men	14.9	16.1	15.7	14.8	15.4	15.5	14.8	14.9	14.6	15.0	14.3	12.7	16.3
Women	12.8	12.4	12.9	11.9	11.6	12.6	12.6	13.6	14.7	13.1	11.9	12.7	12.6
BLACK													
Civilian noninstitutional population ¹	23,579	23,611	23,650	23,890	23,728	23,762	23,794	23,847	23,872	23,895	23,923	23,950	23,978
Civilian labor force	15,010	15,212	15,297	15,184	15,276	15,290	15,306	15,372	15,408	15,439	15,365	15,434	15,398
Percent of population	63.7	64.4	64.7	64.1	64.4	64.3	64.3	64.5	64.5	64.6	64.2	64.4	64.2
Employed	13,478	13,612	13,699	13,566	13,647	13,673	13,693	13,709	13,672	13,784	13,863	13,837	13,793
Employment-population ratio	57.2	57.7	57.9	57.3	57.5	57.5	57.5	57.5	57.3	57.7	57.9	57.8	57.5
Unemployed	1,532	1,600	1,598	1,818	1,629	1,617	1,613	1,663	1,736	1,655	1,503	1,597	1,805
Unemployment rate	10.2	10.5	10.4	10.7	10.7	10.6	10.5	10.8	11.3	10.7	9.8	10.3	10.4
Men, 20 years and over													
Civilian labor force	6,757	6,848	6,874	6,834	6,838	6,899	6,833	6,829	6,765	6,803	6,805	6,831	6,926
Percent of population	71.8	72.7	73.0	72.6	72.4	72.7	72.0	71.8	71.0	71.6	71.4	71.5	72.4
Employed	6,133	6,212	6,301	6,174	6,199	6,264	6,235	6,198	6,159	6,173	6,234	6,255	6,298
Employment-population ratio	65.2	65.9	68.9	65.8	65.8	66.0	65.7	65.2	64.7	65.0	65.4	65.5	65.8
Unemployed	624	636	573	660	639	635	598	632	605	629	571	575	630
Unemployment rate	9.2	9.3	8.3	9.7	9.3	9.2	8.8	9.2	9.0	9.3	8.4	8.4	9.1
Women, 20 years and over													
Civilian labor force	7,377	7,457	7,477	7,435	7,487	7,499	7,544	7,574	7,638	7,641	7,841	7,693	7,615
Percent of population	62.4	63.0	63.1	62.7	63.0	63.0	63.3	63.4	63.9	63.9	63.8	64.1	63.5
Employed	6,746	6,797	6,802	6,788	6,822	6,833	6,851	6,880	6,851	6,934	6,997	6,974	6,921
Employment-population ratio	57.1	57.4	57.4	57.2	57.4	57.4	57.5	57.6	57.3	57.9	58.4	58.1	57.7
Unemployed	631	660	675	647	665	666	693	694	785	706	644	719	694
Unemployment rate	8.6	8.9	9.0	8.7	8.9	8.9	9.2	9.2	10.3	9.2	8.4	9.4	9.1

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-4. 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	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	876	907	946	915	951	892	929	969	1,007	996	920	910	857
Percent of population	37.3	38.5	39.6	38.0	39.6	37.5	38.9	40.4	42.0	41.1	38.1	37.9	35.4
Employed	599	603	596	604	626	576	607	631	662	676	632	608	577
Employment-population ratio	25.5	25.6	25.0	25.1	26.1	24.2	25.4	26.3	27.6	27.9	26.2	25.3	23.8
Unemployed	277	304	350	311	325	316	322	337	346	319	287	302	281
Unemployment rate	31.6	33.5	37.0	34.0	34.2	35.4	34.7	34.8	34.3	32.1	31.2	33.2	32.7
Men	36.6	43.0	38.2	37.2	36.5	41.2	38.6	42.7	37.4	41.4	37.3	32.6	41.1
Women	26.9	22.4	35.8	30.9	31.9	30.0	31.2	27.5	31.3	23.7	25.3	33.8	24.5
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	19,184	19,238	19,292	19,346	19,398	19,454	19,505	20,013	20,067	20,119	20,180	20,236	20,293
Civilian labor force	12,624	12,697	12,864	12,871	12,989	13,182	13,150	13,795	13,640	13,662	13,572	13,746	13,807
Percent of population	65.8	66.0	66.7	66.5	67.0	67.8	67.4	68.9	68.0	67.9	67.3	67.9	68.0
Employed	11,510	11,567	11,736	11,801	11,928	12,094	12,141	12,653	12,538	12,493	12,470	12,730	12,756
Employment-population ratio	60.0	60.1	60.8	61.0	61.5	62.2	62.2	63.2	62.5	62.1	61.8	62.9	62.9
Unemployed	1,114	1,130	1,128	1,070	1,061	1,088	1,009	1,142	1,102	1,169	1,102	1,016	1,051
Unemployment rate	8.8	8.9	8.8	8.3	8.2	8.3	7.7	8.3	8.1	8.6	8.1	7.4	7.6

¹ The population figures are not adjusted for seasonal variation.

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.

Beginning in January 1997, data reflect revised population controls used in the household survey.

A-5. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time status, sex, and age	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
EMPLOYED													
Full-time workers	103,348	103,648	103,733	104,303	104,598	104,645	104,654	105,089	105,151	105,721	105,936	106,170	106,413
Men, 16 years and over	60,713	60,895	60,970	61,096	61,244	61,346	61,289	61,603	61,867	61,888	62,114	62,277	62,288
Men, 20 years and over	59,498	59,660	59,792	59,810	60,021	60,119	60,056	60,392	60,691	60,432	60,820	60,923	61,025
Women, 16 years and over	42,692	42,806	42,793	43,187	43,342	43,303	43,358	43,365	43,151	43,900	43,737	43,879	44,193
Women, 20 years and over	41,843	41,956	42,019	42,351	42,495	42,450	42,451	42,541	42,287	42,991	42,945	43,100	43,345
Both sexes, 16 to 19 years	2,007	2,032	1,922	2,142	2,082	2,076	2,147	2,156	2,173	2,298	2,172	2,147	2,043
Part-time workers	23,187	23,208	23,294	23,163	23,037	23,145	23,222	23,530	23,370	23,472	23,433	23,374	22,885
Men, 16 years and over	7,542	7,507	7,474	7,376	7,397	7,294	7,411	7,510	7,284	7,695	7,462	7,563	7,292
Men, 20 years and over	5,428	5,416	5,449	5,320	5,292	5,255	5,321	5,418	5,133	5,577	5,411	5,323	5,245
Women, 16 years and over	15,664	15,699	15,812	15,776	15,657	15,816	15,802	16,027	16,064	15,759	15,973	15,847	15,625
Women, 20 years and over	13,317	13,331	13,427	13,334	13,191	13,397	13,427	13,633	13,698	13,365	13,427	13,420	13,212
Both sexes, 16 to 19 years	4,442	4,461	4,418	4,509	4,554	4,493	4,474	4,479	4,540	4,531	4,595	4,631	4,428
UNEMPLOYED													
Looking for full-time work	5,688	5,813	5,479	5,644	5,664	5,800	5,754	5,809	5,706	5,736	5,329	5,274	5,515
Men, 16 years and over	3,269	3,269	3,084	3,287	3,216	3,240	3,170	3,238	3,088	3,140	2,948	2,791	3,186
Men, 20 years and over	2,898	2,875	2,636	2,895	2,761	2,816	2,762	2,871	2,780	2,782	2,642	2,453	2,680
Women, 16 years and over	2,462	2,534	2,463	2,389	2,489	2,587	2,608	2,495	2,526	2,537	2,378	2,508	2,382
Women, 20 years and over	2,240	2,341	2,192	2,108	2,218	2,305	2,313	2,199	2,219	2,289	2,112	2,176	2,124
Both sexes, 16 to 19 years	550	597	651	641	685	679	679	738	707	665	575	645	710
Looking for part-time work	1,384	1,481	1,453	1,369	1,368	1,384	1,425	1,426	1,497	1,428	1,415	1,283	1,271
Men, 16 years and over	623	676	604	515	552	570	548	614	568	593	654	503	531
Men, 20 years and over	255	266	260	198	225	227	237	277	249	269	274	185	219
Women, 16 years and over	787	613	839	838	818	830	902	600	918	804	753	786	766
Women, 20 years and over	447	520	538	555	533	513	560	523	558	477	480	497	471
Both sexes, 16 to 19 years	682	695	655	616	610	644	628	626	690	682	660	602	582
UNEMPLOYMENT RATES¹													
Full-time workers	5.2	5.3	5.0	5.1	5.1	5.3	5.2	5.2	5.1	5.1	4.8	4.7	4.9
Men, 16 years and over	5.1	5.1	4.8	5.1	5.0	5.0	4.9	5.0	4.8	4.8	4.5	4.3	4.9
Men, 20 years and over	4.6	4.6	4.2	4.6	4.4	4.5	4.4	4.5	4.4	4.4	4.2	3.9	4.2
Women, 16 years and over	5.5	5.6	5.4	5.2	5.4	5.6	5.7	5.4	5.5	5.5	5.2	5.4	5.1
Women, 20 years and over	5.1	5.3	5.0	4.7	5.0	5.2	5.2	4.9	5.0	5.1	4.7	4.8	4.7
Both sexes, 16 to 19 years	21.5	22.7	25.3	23.0	24.8	24.6	24.0	25.5	24.5	22.5	20.9	23.1	25.8
Part-time workers	5.6	6.0	5.9	5.6	5.6	5.6	5.8	5.7	6.0	5.7	5.7	5.2	5.3
Men, 16 years and over	7.6	8.3	7.5	6.5	6.9	7.2	6.9	7.6	7.5	7.2	8.1	6.2	6.8
Men, 20 years and over	4.5	4.7	4.6	3.6	4.1	4.1	4.3	4.9	4.6	4.6	4.8	3.4	4.0
Women, 16 years and over	4.8	4.9	5.0	5.0	5.0	5.0	5.4	4.8	5.4	4.9	4.5	4.7	4.7
Women, 20 years and over	3.2	3.8	3.9	4.0	3.9	3.7	4.0	3.7	3.9	3.4	3.5	3.6	3.4
Both sexes, 16 to 19 years	13.3	13.5	12.9	12.0	11.8	12.5	12.3	12.3	13.2	13.1	12.6	11.5	11.6

¹ These rates reflect a refined definition of the full- and part-time labor force and differ from the rates published elsewhere in this publication prior to 1994.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-6. Employed persons by marital status, occupation, class of worker, and part-time status, seasonally adjusted

(In thousands)

Category	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
MARITAL STATUS													
Total	126,590	126,889	126,988	127,248	127,617	127,844	127,855	128,580	126,430	129,175	129,384	129,639	129,364
Married men, spouse present	42,520	42,503	42,588	42,330	42,617	42,631	42,607	42,909	42,513	42,509	42,329	42,273	42,448
Married women, spouse present	32,456	32,634	32,665	32,679	32,537	32,509	32,631	32,826	32,578	32,699	32,473	32,445	32,519
Women who maintain families	7,364	7,253	7,338	7,420	7,392	7,444	7,500	7,501	7,556	7,720	7,838	7,858	7,847
OCCUPATION													
Managerial and professional specialty	36,667	36,505	36,605	36,759	36,917	37,177	37,234	37,476	37,525	37,723	37,599	37,318	37,493
Technical, sales, and administrative support	37,636	37,762	37,618	37,812	37,951	37,821	37,902	38,163	38,073	36,156	36,150	36,362	36,142
Service occupations	17,191	17,281	17,343	17,435	17,295	17,408	17,271	17,171	17,170	17,292	17,267	17,390	17,412
Precision production, craft, and repair	13,559	13,482	13,660	13,661	13,587	13,508	13,574	13,902	14,140	14,200	14,301	14,380	14,364
Operators, fabricators, and laborers	18,159	18,292	18,031	18,069	18,235	18,259	18,310	18,317	18,144	18,234	18,415	18,647	18,597
Farming, forestry, and fishing	3,502	3,565	3,515	3,557	3,565	3,445	3,496	3,528	3,388	3,507	3,605	3,680	3,499
CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,883	1,860	1,814	1,834	1,813	1,829	1,878	1,988	1,932	1,905	1,989	1,941	1,929
Self-employed workers	1,490	1,546	1,525	1,557	1,560	1,464	1,475	1,448	1,353	1,414	1,424	1,444	1,404
Unpaid family workers	36	53	64	91	71	68	66	62	15	59	70	50	40
Nonagricultural industries:													
Wage and salary workers	114,000	114,278	114,539	114,765	115,018	115,133	115,212	115,560	115,997	116,533	116,608	116,969	116,653
Private industries	95,720	95,998	96,274	96,673	96,866	96,863	96,946	97,176	97,843	98,539	98,572	99,162	98,554
Private households	829	930	973	981	992	956	934	1,002	882	869	922	967	870
Other industries	94,891	95,068	95,301	95,692	95,894	95,907	96,012	96,174	96,962	97,671	97,650	98,195	97,684
Government	18,260	18,280	18,265	18,092	18,132	18,270	18,266	18,385	18,144	17,994	18,036	17,807	18,099
Self-employed workers	9,027	8,984	8,898	8,811	8,987	9,023	9,109	9,445	9,124	9,292	9,159	9,106	9,128
Unpaid family workers	127	128	122	129	137	140	149	162	136	108	130	148	128
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	4,325	4,338	4,339	4,302	4,288	3,983	4,338	4,426	4,262	4,153	4,402	4,019	4,025
Slack work or business conditions	2,391	2,552	2,437	2,398	2,258	2,107	2,353	2,423	2,378	2,344	2,491	2,300	2,375
Could only find part-time work	1,584	1,549	1,596	1,617	1,683	1,559	1,653	1,552	1,550	1,516	1,629	1,391	1,347
Part time for noneconomic reasons	17,960	17,877	18,184	17,823	17,754	17,957	17,868	18,340	18,070	18,120	18,176	18,336	18,322
Nonagricultural industries:													
Part time for economic reasons	4,161	4,150	4,182	4,130	4,118	3,815	4,162	4,163	4,098	3,937	4,235	3,806	3,782
Slack work or business conditions	2,282	2,422	2,310	2,284	2,147	2,001	2,214	2,310	2,277	2,210	2,374	2,159	2,220
Could only find part-time work	1,558	1,517	1,588	1,580	1,647	1,543	1,622	1,512	1,523	1,475	1,603	1,347	1,298
Part time for noneconomic reasons	17,298	17,250	17,555	17,204	17,123	17,313	17,237	17,737	17,452	17,565	17,661	17,780	17,863

¹Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who usually work full time but worked only 1 to 34 hours during the reference week

for reasons such as holidays, illness, and bad weather.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-7. Employed persons by age and sex, seasonally adjusted

(in thousands)

Age and sex	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	126,590	126,889	126,988	127,248	127,617	127,644	127,855	128,580	128,430	129,175	129,384	129,639	129,364
16 to 24 years	18,558	18,506	18,368	18,766	18,799	18,722	18,771	18,900	19,024	19,103	19,100	19,258	18,866
16 to 19 years	6,461	6,503	6,325	6,626	6,637	6,542	6,617	6,601	6,657	6,750	6,748	6,740	6,512
16 to 17 years	2,661	2,635	2,589	2,708	2,736	2,702	2,672	2,633	2,674	2,652	2,716	2,596	2,620
18 to 19 years	3,828	3,873	3,716	3,946	3,898	3,835	3,919	3,946	3,976	4,087	4,029	4,150	3,907
20 to 24 years	12,097	12,003	12,043	12,140	12,162	12,180	12,154	12,299	12,367	12,353	12,352	12,518	12,354
25 years and over	108,068	108,390	108,755	108,445	108,811	108,894	109,087	109,651	109,429	110,075	110,254	110,294	110,582
25 to 54 years	92,619	92,880	93,165	93,074	93,285	93,387	93,455	93,852	93,665	93,983	94,248	94,233	94,650
55 years and over	15,417	15,493	15,526	15,488	15,535	15,587	15,657	15,786	15,787	16,076	15,986	16,107	15,875
Men, 16 years and over	68,251	68,376	68,368	68,304	68,647	68,589	68,707	69,164	69,232	69,478	69,627	69,929	69,567
16 to 24 years	9,734	9,724	9,592	9,716	9,792	9,660	9,770	9,913	9,977	9,930	9,973	10,208	9,888
16 to 19 years	3,318	3,305	3,203	3,326	3,348	3,240	3,340	3,351	3,414	3,412	3,384	3,511	3,301
16 to 17 years	1,333	1,294	1,247	1,339	1,375	1,324	1,323	1,310	1,386	1,351	1,356	1,338	1,333
18 to 19 years	2,021	2,013	1,926	1,995	1,983	1,915	1,992	2,033	2,031	2,066	2,022	2,169	1,984
20 to 24 years	6,416	6,419	6,389	6,390	6,444	6,420	6,430	6,562	6,563	6,518	6,589	6,697	6,587
25 years and over	58,525	58,676	58,908	58,589	58,854	58,909	58,927	59,227	59,271	59,505	59,610	59,616	59,690
25 to 54 years	49,821	49,966	50,100	49,971	50,144	50,229	50,268	50,465	50,477	50,552	50,671	50,683	50,814
55 years and over	8,689	8,695	8,719	8,660	8,717	8,722	8,717	8,793	8,779	8,949	8,941	8,987	8,855
Women, 16 years and over	58,339	58,513	58,620	58,944	58,970	59,055	59,148	59,416	59,197	59,697	59,756	59,710	59,796
16 to 24 years	8,824	8,782	8,776	9,050	9,007	9,062	9,001	8,987	9,047	9,173	9,128	9,050	8,978
16 to 19 years	3,143	3,198	3,122	3,300	3,289	3,302	3,277	3,250	3,243	3,338	3,364	3,229	3,211
16 to 17 years	1,328	1,341	1,342	1,369	1,361	1,378	1,349	1,324	1,288	1,301	1,359	1,258	1,288
18 to 19 years	1,807	1,860	1,790	1,951	1,915	1,920	1,927	1,913	1,945	2,021	2,007	1,981	1,924
20 to 24 years	5,681	5,584	5,654	5,750	5,718	5,760	5,724	5,737	5,804	5,835	5,764	5,821	5,767
25 years and over	49,543	49,714	49,847	49,856	49,957	49,985	50,160	50,424	50,158	50,570	50,644	50,678	50,892
25 to 54 years	42,798	42,914	43,065	43,103	43,141	43,158	43,187	43,387	43,188	43,432	43,578	43,550	43,836
55 years and over	6,728	6,798	6,807	6,828	6,818	6,865	6,940	6,992	7,008	7,127	7,045	7,120	7,020

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

A-8. Unemployed persons by age and sex, seasonally adjusted

(in thousands)

Age and sex	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	7,119	7,276	6,910	7,043	7,019	7,187	7,167	7,268	7,205	7,144	6,714	6,534	6,836
16 to 24 years	2,481	2,555	2,438	2,442	2,480	2,531	2,526	2,625	2,583	2,554	2,449	2,357	2,442
16 to 19 years	1,251	1,301	1,299	1,260	1,294	1,324	1,308	1,354	1,408	1,328	1,229	1,244	1,314
16 to 17 years	622	637	604	579	599	555	641	567	655	637	618	585	548
18 to 19 years	626	661	692	680	706	788	677	787	712	697	617	657	762
20 to 24 years	1,230	1,254	1,139	1,182	1,186	1,207	1,218	1,270	1,175	1,226	1,220	1,114	1,128
25 years and over	4,625	4,691	4,511	4,612	4,538	4,630	4,696	4,590	4,638	4,591	4,253	4,209	4,382
25 to 54 years	4,047	4,123	3,988	4,080	4,053	4,131	4,147	4,137	4,142	4,018	3,750	3,733	3,857
55 years and over	558	593	505	530	507	493	542	501	485	550	487	481	515
Men, 16 years and over	3,859	3,941	3,593	3,783	3,716	3,773	3,707	3,942	3,755	3,790	3,604	3,271	3,674
16 to 24 years	1,387	1,469	1,303	1,340	1,370	1,378	1,366	1,468	1,361	1,384	1,331	1,175	1,359
16 to 19 years	704	790	714	705	742	731	705	757	746	745	701	630	774
16 to 17 years	344	396	342	319	336	309	343	336	338	368	350	290	330
18 to 19 years	357	387	370	385	409	448	364	418	369	386	362	339	440
20 to 24 years	683	679	589	635	628	647	661	711	615	640	631	544	585
25 years and over	2,466	2,453	2,336	2,445	2,350	2,390	2,337	2,441	2,419	2,390	2,267	2,113	2,311
25 to 54 years	2,144	2,119	2,030	2,168	2,079	2,098	2,032	2,174	2,117	2,058	2,003	1,846	2,018
55 years and over	311	338	292	291	268	283	303	293	299	323	272	263	287
Women, 16 years and over	3,260	3,335	3,317	3,260	3,303	3,414	3,460	3,327	3,450	3,354	3,109	3,263	3,162
16 to 24 years	1,094	1,086	1,135	1,102	1,110	1,153	1,160	1,157	1,222	1,170	1,118	1,183	1,083
16 to 19 years	547	511	585	555	552	593	603	598	662	583	528	614	540
16 to 17 years	278	241	262	260	263	246	298	231	317	269	268	295	217
18 to 19 years	269	274	322	295	297	340	313	369	343	311	255	318	322
20 to 24 years	547	575	550	547	558	560	557	559	560	587	589	569	542
25 years and over	2,159	2,238	2,175	2,167	2,188	2,240	2,359	2,148	2,219	2,202	1,986	2,096	2,071
25 to 54 years	1,903	2,004	1,958	1,912	1,974	2,033	2,115	1,963	2,025	1,960	1,747	1,887	1,839
55 years and over	247	255	213	239	239	210	239	208	186	227	214	218	228

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-9. Unemployment rates by age and sex, seasonally adjusted

Age and sex	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	5.3	5.4	5.2	5.2	5.2	5.3	5.3	5.4	5.3	5.2	4.9	4.8	5.0
16 to 24 years	11.8	12.1	11.7	11.5	11.7	11.9	11.9	12.2	12.0	11.8	11.4	10.9	11.5
16 to 19 years	16.2	16.7	17.0	16.0	16.3	16.8	16.5	17.0	17.5	16.4	15.4	15.6	16.8
16 to 17 years	18.9	19.5	18.9	17.6	18.0	17.0	19.3	17.7	19.7	19.4	18.5	18.4	17.3
18 to 19 years	14.1	14.6	15.7	14.7	15.3	17.0	14.7	16.6	15.2	14.6	13.3	13.7	16.3
20 to 24 years	9.2	9.5	8.6	8.9	8.9	9.0	9.1	9.4	8.7	9.0	9.0	8.2	8.4
25 years and over	4.1	4.1	4.0	4.1	4.0	4.1	4.1	4.0	4.1	4.0	3.7	3.7	3.8
25 to 54 years	4.2	4.3	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.1	3.8	3.8	3.9
55 years and over	3.5	3.7	3.2	3.3	3.2	3.1	3.3	3.1	3.0	3.3	3.0	2.9	3.1
Men, 16 years and over	5.4	5.4	5.0	5.2	5.1	5.2	5.1	5.4	5.1	5.2	4.9	4.5	5.0
16 to 24 years	12.5	13.1	12.0	12.1	12.3	12.5	12.3	12.9	12.0	12.2	11.8	10.3	12.1
16 to 19 years	17.5	19.3	18.2	17.5	18.1	18.4	17.4	18.4	17.9	17.9	17.2	15.2	19.0
16 to 17 years	20.5	23.4	21.5	19.2	19.6	18.9	20.6	20.4	19.6	21.4	20.5	17.8	19.9
18 to 19 years	15.0	16.1	16.1	16.2	17.1	19.0	15.4	17.1	15.4	15.7	15.2	13.5	18.2
20 to 24 years	9.6	9.6	8.4	9.0	8.9	9.2	9.3	9.8	8.6	8.9	8.7	7.5	8.2
25 years and over	4.0	4.0	3.8	4.0	3.8	3.9	3.8	4.0	3.9	3.9	3.7	3.4	3.7
25 to 54 years	4.1	4.1	3.9	4.2	4.0	4.0	3.9	4.1	4.0	3.9	3.8	3.5	3.8
55 years and over	3.5	3.7	3.2	3.3	3.0	3.1	3.4	3.2	3.3	3.5	3.0	2.8	3.1
Women, 16 years and over	5.3	5.4	5.4	5.2	5.3	5.5	5.5	5.3	5.5	5.3	4.9	5.2	5.0
16 to 24 years	11.0	11.0	11.5	10.9	11.0	11.3	11.4	11.4	11.9	11.3	10.9	11.6	10.8
16 to 19 years	14.8	13.8	15.8	14.4	14.4	15.2	15.5	15.5	16.9	14.9	13.6	16.0	14.4
16 to 17 years	17.3	15.2	16.3	16.0	16.2	15.1	18.1	14.9	19.7	17.1	16.5	19.0	14.4
18 to 19 years	13.0	12.8	15.2	13.1	13.4	15.0	14.0	16.2	15.0	13.3	11.3	13.8	14.3
20 to 24 years	8.8	9.3	8.9	8.7	8.9	8.9	8.9	8.9	8.8	9.1	9.3	8.9	8.6
25 years and over	4.2	4.3	4.2	4.2	4.2	4.3	4.5	4.1	4.2	4.2	3.8	4.0	3.9
25 to 54 years	4.3	4.5	4.3	4.2	4.4	4.5	4.7	4.3	4.5	4.3	3.9	4.2	4.0
55 years and over	3.5	3.6	3.0	3.4	3.4	3.0	3.3	2.9	2.6	3.1	3.0	3.0	3.2

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-10. Unemployment rates by occupation, industry, and selected demographic characteristics, seasonally adjusted

Category	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
CHARACTERISTIC													
Total	5.3	5.4	5.2	5.2	5.2	5.3	5.3	5.4	5.3	5.2	4.9	4.8	5.0
Men, 20 years and over	4.6	4.6	4.2	4.5	4.4	4.4	4.4	4.6	4.4	4.4	4.2	3.8	4.2
Women, 20 years and over	4.7	4.9	4.7	4.6	4.7	4.8	4.9	4.6	4.7	4.7	4.4	4.5	4.4
Both sexes, 16 to 19 years	16.2	16.7	17.0	16.0	16.3	16.8	16.5	17.0	17.5	16.4	15.4	15.6	16.8
White	4.6	4.7	4.5	4.5	4.5	4.6	4.6	4.6	4.5	4.5	4.2	4.0	4.2
Black and other	9.1	9.3	8.9	9.2	9.3	9.1	9.2	9.4	9.7	9.5	9.0	9.3	9.1
Black	10.2	10.5	10.4	10.7	10.7	10.6	10.5	10.8	11.3	10.7	9.8	10.3	10.4
Hispanic origin	8.8	8.9	8.8	8.3	8.2	8.3	7.7	8.3	8.1	8.6	8.1	7.4	7.6
Married men, spouse present	3.0	3.0	2.9	3.0	3.0	3.0	3.0	2.8	2.8	2.8	2.7	2.6	2.7
Married women, spouse present	3.6	3.5	3.4	3.4	3.5	3.6	3.7	3.3	3.4	3.2	3.1	3.2	3.2
Women who maintain families	7.8	8.8	8.5	8.3	8.5	8.8	8.4	9.1	9.0	9.1	7.5	7.6	8.0
OCCUPATION¹													
Managerial and professional specialty	2.4	2.4	2.2	2.3	2.2	2.3	2.4	2.1	2.1	2.0	2.0	2.1	2.0
Technical, sales, and administrative support	4.2	4.6	4.4	4.5	4.5	4.5	4.6	4.4	4.3	4.3	4.2	3.8	4.3
Precision production, craft, and repair	5.3	5.5	5.3	5.4	5.5	5.7	5.4	5.3	4.7	4.9	4.8	4.6	4.7
Operators, fabricators, and laborers	8.0	7.8	8.0	7.5	7.7	7.7	7.6	7.9	8.1	8.1	7.3	7.1	7.4
Farming, forestry, and fishing	7.5	6.7	6.4	7.1	7.0	7.7	7.7	7.5	7.5	7.4	6.6	6.2	8.1
INDUSTRY													
Nonagricultural private wage and salary workers	5.5	5.5	5.4	5.3	5.3	5.5	5.4	5.4	5.3	5.2	5.0	5.0	5.0
Goods-producing industries	6.0	5.8	5.7	5.6	5.8	6.1	5.9	6.0	5.6	5.5	5.4	5.2	5.2
Mining	4.9	3.0	4.5	5.1	5.8	4.9	7.6	6.0	4.2	4.0	2.0	3.0	2.3
Construction	9.6	9.8	9.1	9.3	9.6	10.3	9.4	10.1	9.0	9.6	8.7	8.4	8.5
Manufacturing	4.9	4.7	4.7	4.4	4.7	4.7	4.8	4.6	4.5	4.3	4.4	4.2	4.1
Durable goods	4.5	4.3	4.0	4.2	4.4	4.5	4.7	4.4	4.0	3.6	3.6	3.5	3.5
Nondurable goods	5.5	5.3	5.8	4.7	5.1	5.1	5.0	4.8	5.3	5.2	5.8	5.3	5.0
Service-producing industries	5.2	5.4	5.2	5.2	5.1	5.2	5.2	5.2	5.2	5.1	4.9	4.9	5.0
Transportation and public utilities	4.4	4.3	4.1	4.1	4.4	3.5	4.0	4.1	4.3	4.1	2.8	3.6	2.9
Wholesale and retail trade	6.4	6.3	6.3	6.2	6.2	6.3	6.2	6.4	6.5	6.3	6.2	6.1	6.5
Finance, insurance, and real estate	2.6	2.8	2.5	3.0	2.9	2.9	3.1	3.5	3.0	3.2	3.4	3.2	2.5
Services	5.1	5.5	5.2	5.3	5.0	5.3	5.2	4.9	5.0	4.8	4.6	4.6	4.8
Government workers	2.8	3.1	2.8	3.0	2.9	2.8	3.0	2.9	2.9	2.8	2.4	2.4	2.9
Agricultural wage and salary workers	9.6	9.1	7.6	10.8	10.0	10.9	10.3	8.6	8.8	9.5	9.6	7.1	10.6

¹ Seasonally adjusted data for service occupations are not available because the seasonal component, which is small relative to the trend-cycle and irregular components, cannot be separated with sufficient precision.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-11. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason	1996						1997						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
NUMBER OF UNEMPLOYED													
Job losers and persons who completed temporary jobs	3,399	3,348	3,095	3,236	3,171	3,261	3,221	3,245	3,163	3,187	2,979	2,902	3,145
On temporary layoff	1,000	980	931	989	957	994	987	953	944	1,021	976	871	925
Not on temporary layoff	2,399	2,368	2,164	2,247	2,214	2,267	2,234	2,293	2,218	2,167	2,003	2,031	2,220
Job leavers	702	754	775	800	797	825	845	890	787	784	754	801	829
Reentrants	2,437	2,522	2,467	2,441	2,489	2,523	2,556	2,505	2,648	2,535	2,420	2,306	2,359
New entrants	545	590	552	559	577	586	626	600	647	647	577	574	481
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 and persons who completed temporary jobs	48.0	46.4	44.9	46.0	45.1	45.3	44.4	44.8	43.7	44.6	44.3	44.1	46.2
On temporary layoff	14.1	13.6	13.5	14.1	13.6	13.8	13.6	13.2	13.0	14.3	14.5	13.2	13.6
Not on temporary layoff	33.9	32.8	31.4	31.9	31.5	31.5	30.8	31.7	30.6	30.3	29.8	30.9	32.6
Job leavers	9.9	10.5	11.2	11.4	11.3	11.5	11.7	12.3	10.9	11.0	11.2	12.2	12.2
Reentrants	34.4	35.0	35.8	34.7	35.4	35.1	35.3	34.6	36.6	35.4	36.0	35.0	34.6
New entrants	7.7	8.2	8.0	7.9	8.2	8.1	8.6	8.3	8.9	9.0	8.6	8.7	7.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers and persons who completed temporary jobs	2.5	2.5	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.3
Job leavers .....	.5	.6	.6	.6	.6	.6	.6	.7	.6	.6	.6	.6	.6
Reentrants	1.8	1.9	1.8	1.8	1.8	1.9	1.9	1.8	2.0	1.9	1.8	1.7	1.7
New entrants .....	.4	.4	.4	.4	.4	.4	.5	.4	.5	.5	.4	.4	.4

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

A-12. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Duration	1996						1997						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
NUMBER OF UNEMPLOYED													
Less than 5 weeks	2,544	2,603	2,534	2,522	2,556	2,819	2,671	2,801	2,591	2,650	2,354	2,523	2,538
5 to 14 weeks	2,201	2,307	2,199	2,245	2,265	2,252	2,357	2,223	2,382	2,380	2,156	2,022	2,211
15 weeks and over	2,353	2,326	2,273	2,277	2,294	2,184	2,179	2,155	2,163	2,064	2,092	2,071	2,063
15 to 26 weeks	1,051	994	1,003	1,040	1,062	1,018	976	943	1,025	1,001	1,058	1,078	1,045
27 weeks and over	1,302	1,332	1,270	1,237	1,232	1,166	1,203	1,212	1,138	1,063	1,034	993	1,018
Average (mean) duration, in weeks	17.2	16.9	17.2	16.9	16.7	16.0	15.8	16.0	16.0	15.3	15.2	15.1	15.1
Median duration, in weeks	8.1	8.5	8.5	8.6	8.3	7.7	7.8	7.7	8.4	7.9	8.3	7.7	7.7
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	35.8	36.0	36.2	35.8	35.9	38.9	37.1	39.0	36.3	37.4	35.7	38.1	37.3
5 to 14 weeks	31.0	31.9	31.4	31.9	31.8	31.0	32.7	31.0	33.4	33.6	32.7	30.6	32.5
15 weeks and over	33.2	32.1	32.4	32.3	32.2	30.1	30.2	30.0	30.3	29.1	31.7	31.3	30.3
15 to 26 weeks	14.8	13.7	14.3	14.8	14.9	14.0	13.5	13.1	14.4	14.1	16.0	16.3	15.3
27 weeks and over	18.3	18.4	18.1	17.6	17.3	16.1	16.7	16.9	15.9	15.0	15.7	15.0	14.9

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	June 1997									
	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Percent of population	Employed				Unemployed		
				Total	Percent of population	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
TOTAL										
16 years and over	203,000	137,557	67.8	130,463	64.3	3,757	126,705	7,094	5.2	65,443
16 to 19 years	15,336	9,100	59.3	7,372	48.1	353	7,019	1,726	19.0	6,237
16 to 17 years	7,812	3,849	49.3	3,003	38.4	173	2,830	846	22.0	3,963
16 to 18 years	7,525	5,251	69.8	4,366	58.1	179	4,189	882	16.8	2,274
18 to 19 years	17,395	14,020	80.6	12,632	73.6	405	12,427	1,188	8.5	3,376
20 to 24 years	116,902	98,130	83.9	94,447	80.6	2,241	92,206	3,683	3.8	18,772
25 to 54 years	39,589	33,411	84.4	31,863	80.5	802	31,061	1,548	4.8	6,178
25 to 29 years	18,873	18,107	85.3	15,251	80.8	356	14,895	855	5.3	2,766
30 to 34 years	20,716	17,305	83.5	18,611	80.2	448	16,165	693	4.0	3,412
35 to 44 years	43,825	37,132	84.5	35,828	81.8	834	34,992	1,306	3.5	6,793
35 to 39 years	22,577	19,008	84.2	18,313	81.1	450	17,883	693	3.6	3,571
40 to 44 years	21,348	18,128	84.9	17,513	82.0	384	17,129	613	3.4	3,222
45 to 54 years	33,388	27,587	82.6	26,759	80.1	605	26,154	828	3.0	5,801
45 to 49 years	18,411	15,573	84.6	15,088	81.8	352	14,716	504	3.2	2,838
50 to 54 years	14,978	12,014	80.2	11,690	78.1	253	11,436	324	2.7	2,684
55 to 64 years	21,421	12,452	58.1	12,075	56.4	422	11,653	377	3.0	8,989
55 to 59 years	11,524	7,832	67.9	7,709	66.9	220	7,489	223	2.8	3,592
60 to 64 years	9,897	4,520	45.7	4,366	44.1	202	4,165	154	3.4	5,377
65 years and over	31,845	3,855	12.1	3,737	11.7	337	3,400	118	3.1	28,090
65 to 69 years	9,502	2,225	23.4	2,168	22.8	165	2,003	57	2.5	7,278
70 to 74 years	8,534	1,020	11.9	985	11.5	99	887	34	3.4	7,514
75 years and over	13,909	611	4.4	584	4.2	73	510	27	4.5	13,288
Men										
16 years and over	97,849	74,312	76.1	70,619	72.3	2,674	67,746	3,693	5.0	23,337
16 to 19 years	7,820	4,763	60.9	3,791	48.5	278	3,513	972	20.4	3,057
16 to 17 years	4,038	2,043	50.6	1,583	38.7	139	1,424	480	23.5	1,965
16 to 18 years	3,782	2,720	71.9	2,229	58.9	140	2,089	491	18.1	1,062
18 to 19 years	8,675	7,481	86.4	6,808	79.6	345	6,563	593	7.8	1,183
20 to 24 years	57,479	52,888	92.0	51,023	88.8	1,672	49,351	1,895	3.5	4,590
25 to 54 years	19,482	18,148	93.2	17,410	89.4	629	16,780	738	4.1	1,394
25 to 29 years	9,272	8,580	92.5	8,183	88.0	295	7,888	417	4.9	692
30 to 34 years	10,210	9,588	93.7	9,248	90.8	334	8,912	321	3.4	643
35 to 44 years	21,711	20,072	92.4	19,401	89.4	599	18,802	670	3.3	1,840
35 to 39 years	11,175	10,390	93.0	10,015	89.6	321	9,695	374	3.6	788
40 to 44 years	10,536	9,682	91.9	9,386	89.1	278	9,108	296	3.1	854
45 to 54 years	18,285	14,889	81.4	14,212	77.9	444	13,768	457	3.1	1,817
45 to 49 years	8,994	8,238	91.6	7,955	88.5	252	7,704	283	3.4	758
50 to 54 years	7,291	6,431	88.2	6,258	85.8	192	6,064	174	2.7	881
55 to 64 years	10,238	6,882	67.2	6,670	65.2	296	6,374	213	3.1	3,354
55 to 59 years	5,543	4,366	78.8	4,249	76.7	181	4,068	117	2.7	1,177
60 to 64 years	4,893	2,517	51.6	2,421	49.3	135	2,285	98	3.8	2,177
65 years and over	13,440	2,268	17.0	2,228	16.6	263	1,945	80	2.6	11,152
65 to 69 years	4,357	1,302	29.9	1,270	29.1	141	1,129	32	2.5	3,055
70 to 74 years	3,751	627	16.7	607	16.2	66	521	20	3.2	3,124
75 years and over	5,332	359	6.7	352	6.6	56	296	7	2.0	4,973
Women										
16 years and over	105,351	83,245	80.0	59,843	58.8	884	58,960	3,401	5.4	42,108
16 to 19 years	7,516	4,337	57.7	3,580	47.6	75	3,506	758	17.4	3,180
16 to 17 years	3,773	1,806	47.9	1,441	38.2	35	1,406	365	20.2	1,988
16 to 18 years	3,743	2,531	67.6	2,140	57.2	40	2,100	391	15.5	1,212
18 to 19 years	8,721	6,528	74.9	5,923	67.9	59	5,864	605	9.3	2,193
20 to 24 years	59,424	45,242	76.1	43,425	73.1	589	42,855	1,817	4.0	14,182
25 to 54 years	20,107	15,283	75.9	14,453	71.9	173	14,280	810	5.3	4,844
25 to 29 years	9,601	7,528	78.4	7,066	73.6	81	7,027	438	5.8	2,075
30 to 34 years	10,506	7,737	73.6	7,385	70.1	112	7,253	372	4.8	2,789
35 to 44 years	22,213	17,080	76.9	16,425	73.9	238	16,189	636	3.7	5,153
35 to 39 years	11,401	8,818	77.2	8,298	72.8	130	8,168	319	3.7	2,785
40 to 44 years	10,812	8,444	78.1	8,127	75.2	106	8,021	317	3.8	2,368
45 to 54 years	17,103	12,918	75.5	12,547	73.4	181	12,368	372	2.9	4,165
45 to 49 years	9,417	7,335	77.9	7,113	75.5	101	7,012	222	3.0	2,082
50 to 54 years	7,687	5,584	72.6	5,434	70.7	81	5,374	150	2.7	2,103
55 to 64 years	11,185	5,570	49.8	5,408	48.3	126	5,280	184	2.9	5,815
55 to 59 years	5,981	3,587	59.8	3,481	57.9	60	3,401	108	3.0	2,414
60 to 64 years	5,204	2,003	38.5	1,945	37.4	88	1,879	58	2.9	3,200
65 years and over	18,505	1,568	8.5	1,509	8.2	54	1,455	59	3.7	16,838
65 to 69 years	5,145	923	17.9	898	17.5	24	874	24	2.6	4,223
70 to 74 years	4,763	393	8.2	379	7.9	13	366	14	3.8	4,390
75 years and over	8,577	253	2.9	232	2.7	17	215	20	8.0	8,325

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	June 1997									
	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Percent of population	Employed				Unemployed		
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
WHITE										
16 years and over	169,897	115,832	68.2	110,839	65.2	3,532	107,306	4,994	4.3	54,065
16 to 19 years	12,167	7,719	63.4	6,499	53.4	337	6,162	1,220	15.8	4,448
16 to 17 years	6,200	3,305	53.3	2,696	43.5	169	2,527	608	18.4	2,895
18 to 19 years	5,968	4,415	74.0	3,803	63.7	168	3,634	612	13.9	1,553
20 to 24 years	13,963	11,560	82.8	10,800	77.3	385	10,415	761	6.6	2,403
25 to 54 years	96,845	82,121	84.8	79,523	82.1	2,063	77,440	2,598	3.2	14,724
25 to 34 years	32,133	27,429	85.4	26,449	82.3	763	25,686	980	3.6	4,704
25 to 29 years	15,273	13,231	86.6	12,696	83.1	343	12,353	536	4.0	2,042
30 to 34 years	16,860	14,198	84.2	13,753	81.8	420	13,333	444	3.1	2,662
35 to 44 years	36,326	30,989	85.3	30,015	82.6	778	29,237	974	3.1	5,336
35 to 39 years	18,617	15,797	84.9	15,294	82.2	416	14,878	503	3.2	2,819
40 to 44 years	17,709	15,192	85.8	14,721	83.1	362	14,360	471	3.1	2,517
45 to 54 years	28,388	23,703	83.5	23,059	81.2	542	22,517	844	2.7	4,683
45 to 49 years	15,527	13,281	85.4	12,890	83.0	325	12,565	371	2.8	2,285
50 to 54 years	12,880	10,442	81.2	10,169	79.1	217	9,952	273	2.6	2,418
55 to 64 years	18,420	10,922	59.3	10,607	57.6	401	10,208	314	2.9	7,498
55 to 59 years	9,893	6,946	70.2	6,758	68.3	206	6,552	186	2.7	2,947
60 to 64 years	8,527	3,976	46.8	3,849	45.1	194	3,655	128	3.2	4,551
65 years and over	28,501	3,510	12.3	3,409	12.0	326	3,084	101	2.9	24,991
65 to 89 years	8,371	2,017	24.1	1,966	23.5	156	1,810	51	2.5	6,354
70 to 74 years	7,568	951	12.6	925	12.2	98	827	26	2.7	6,818
75 years and over	12,562	542	4.3	518	4.1	72	447	24	4.5	12,019
Men										
16 years and over	82,527	63,496	76.9	60,859	73.7	2,681	58,177	2,637	4.2	19,032
16 to 19 years	6,252	4,049	64.8	3,384	53.8	263	3,101	684	16.9	2,204
16 to 17 years	3,202	1,748	54.8	1,418	44.3	134	1,284	330	18.9	1,454
18 to 19 years	3,050	2,300	75.4	1,946	63.8	129	1,818	354	15.4	750
20 to 24 years	7,078	6,338	89.5	5,947	84.0	328	5,621	389	6.1	740
25 to 54 years	48,256	44,932	93.1	43,599	90.4	1,536	42,063	1,332	3.0	3,324
25 to 34 years	16,064	15,155	94.3	14,871	91.3	598	14,073	484	3.2	910
25 to 29 years	7,833	7,184	93.8	6,895	90.3	285	6,610	289	3.8	470
30 to 34 years	8,431	7,991	94.8	7,777	92.2	313	7,463	214	2.7	440
35 to 44 years	18,162	16,979	93.5	16,475	90.7	547	15,928	504	3.0	1,184
35 to 39 years	9,320	8,743	93.8	8,459	90.8	287	8,173	284	3.2	577
40 to 44 years	8,843	8,238	93.1	8,016	90.6	260	7,755	220	2.7	607
45 to 54 years	14,029	12,798	91.2	12,453	88.8	391	12,062	345	2.7	1,231
45 to 49 years	7,706	7,139	92.6	6,938	90.0	226	6,712	201	2.8	567
50 to 54 years	6,323	5,659	89.5	5,515	87.2	165	5,350	144	2.6	664
55 to 64 years	8,884	6,097	68.6	5,915	68.6	283	5,632	182	3.0	2,787
55 to 59 years	4,806	3,858	60.3	3,754	78.1	152	3,602	104	2.7	948
60 to 64 years	4,076	2,239	54.9	2,161	53.0	131	2,030	78	3.5	1,839
65 years and over	12,059	2,082	17.3	2,033	16.9	273	1,760	49	2.3	9,978
65 to 69 years	3,872	1,181	30.5	1,152	29.8	132	1,020	29	2.5	2,690
70 to 74 years	3,337	587	17.6	571	17.1	86	485	16	2.7	2,751
75 years and over	4,850	314	6.5	310	6.4	55	255	4	1.2	4,537
Women										
16 years and over	87,370	52,337	59.9	49,980	57.2	851	49,129	2,356	4.5	35,033
16 to 19 years	5,915	3,671	62.1	3,135	53.0	75	3,060	536	14.6	2,245
16 to 17 years	2,998	1,558	51.9	1,278	42.6	35	1,243	278	17.9	1,441
18 to 19 years	2,918	2,114	72.5	1,857	63.6	40	1,817	258	12.2	803
20 to 24 years	8,887	5,224	58.8	4,853	70.5	59	4,794	371	7.1	1,684
25 to 54 years	48,589	37,190	76.5	35,924	73.9	547	35,377	1,265	3.4	11,400
25 to 34 years	16,069	12,274	76.4	11,778	73.3	165	11,613	496	4.0	3,795
25 to 29 years	7,840	8,067	79.4	5,801	75.9	58	5,743	266	4.4	1,573
30 to 34 years	6,429	6,207	73.6	5,977	70.9	107	5,870	230	3.7	2,222
35 to 44 years	18,183	14,011	77.1	13,540	74.5	231	13,309	470	3.4	4,153
35 to 39 years	9,297	7,054	75.9	6,834	73.5	130	6,705	220	3.1	2,243
40 to 44 years	8,868	6,956	78.5	6,706	75.6	101	6,604	251	3.6	1,910
45 to 54 years	14,357	10,905	76.0	10,606	73.9	151	10,455	299	2.7	3,453
45 to 49 years	7,821	6,122	78.3	5,952	76.1	99	5,853	170	2.8	1,698
50 to 54 years	6,537	4,763	73.2	4,654	71.2	52	4,602	129	2.7	4,712
55 to 64 years	9,536	4,824	50.6	4,692	49.2	118	4,574	132	2.7	1,754
55 to 59 years	5,087	3,088	60.7	3,004	59.0	54	2,950	84	2.7	1,999
60 to 64 years	4,449	1,736	39.0	1,688	37.9	64	1,624	48	2.8	2,712
65 years and over	18,442	1,429	8.7	1,377	8.4	53	1,324	52	3.6	15,014
65 to 69 years	4,500	838	18.6	814	18.1	24	790	22	2.6	3,664
70 to 74 years	4,231	364	8.6	354	8.4	12	342	10	2.7	3,867
75 years and over	7,712	229	3.0	209	2.7	17	182	20	8.8	7,483

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

A-13. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	June 1997									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
BLACK										
16 years and over	23,978	15,605	65.1	13,854	57.8	153	13,701	1,751	11.2	8,373
16 to 19 years	2,423	1,065	44.0	627	25.9	8	619	439	41.2	1,357
16 to 17 years	1,242	418	33.7	223	17.9	4	219	196	46.8	824
18 to 19 years	1,181	647	54.8	404	34.2	4	400	243	37.5	534
20 to 24 years	2,495	1,831	73.4	1,467	58.8	12	1,455	365	19.9	664
25 to 54 years	14,252	11,405	80.0	10,520	73.8	124	10,396	885	7.8	2,847
25 to 34 years	5,280	4,312	81.7	3,822	72.4	29	3,793	490	11.4	968
25 to 29 years	2,559	2,105	82.3	1,825	71.3	11	1,814	281	13.3	454
30 to 34 years	2,721	2,207	81.1	1,998	73.4	18	1,980	209	9.5	514
35 to 44 years	5,410	4,371	80.8	4,101	75.8	45	4,056	270	6.2	1,039
35 to 39 years	2,830	2,304	81.4	2,147	75.9	30	2,117	157	6.8	526
40 to 44 years	2,579	2,067	80.1	1,953	75.7	14	1,939	113	5.5	513
45 to 54 years	3,562	2,722	76.4	2,597	72.9	50	2,547	124	4.6	840
45 to 49 years	2,093	1,657	79.2	1,571	75.1	18	1,553	86	5.2	436
50 to 54 years	1,469	1,064	72.5	1,026	69.9	32	994	38	3.6	404
55 to 64 years	2,157	1,059	49.1	1,011	48.9	5	1,006	48	4.5	1,098
55 to 59 years	1,177	690	58.6	664	56.4	3	661	25	3.7	487
60 to 64 years	980	369	37.7	347	35.4	2	345	22	6.0	611
65 years and over	2,651	245	9.2	229	8.8	5	225	15	6.3	2,406
65 to 69 years	834	142	17.0	135	16.2	4	131	6	4.5	693
70 to 74 years	759	55	7.3	49	6.4	-	49	6	(¹)	704
75 years and over	1,058	48	4.5	45	4.3	-	45	3	(¹)	1,010
Men										
16 years and over	10,751	7,484	69.6	6,618	61.6	138	6,480	866	11.6	3,267
16 to 19 years	1,182	541	45.8	291	24.6	8	284	250	46.2	641
16 to 17 years	624	224	35.9	98	15.7	4	94	126	56.4	400
18 to 19 years	558	317	56.8	193	34.6	4	190	124	39.0	241
20 to 24 years	1,153	848	73.6	681	59.0	12	669	168	19.8	305
25 to 54 years	8,439	5,439	64.5	5,020	78.0	109	4,911	418	7.7	1,000
25 to 34 years	2,363	2,061	87.2	1,848	78.2	24	1,824	213	10.4	302
25 to 29 years	1,134	1,000	88.2	875	77.2	9	867	124	12.4	134
30 to 34 years	1,230	1,062	86.3	973	79.1	15	957	89	8.4	168
35 to 44 years	2,472	2,098	84.9	1,971	79.7	43	1,928	127	6.1	374
35 to 39 years	1,290	1,115	86.4	1,045	81.0	30	1,015	70	6.3	175
40 to 44 years	1,182	983	83.1	926	78.3	13	913	57	5.8	199
45 to 54 years	1,603	1,279	79.8	1,201	74.9	42	1,159	78	6.1	324
45 to 49 years	949	778	81.9	721	76.0	18	703	56	7.2	172
50 to 54 years	654	501	76.7	480	73.4	43	456	21	4.3	152
55 to 84 years	933	510	54.7	488	52.4	5	483	21	4.2	423
55 to 59 years	513	340	66.2	332	64.6	3	328	8	2.5	173
60 to 64 years	419	170	40.5	157	37.4	2	155	13	7.6	250
65 years and over	1,044	146	14.0	138	13.2	5	133	8	5.7	898
65 to 69 years	349	82	23.4	78	22.3	4	73	4	4.6	267
70 to 74 years	338	32	9.3	29	8.7	-	29	2	(¹)	307
75 years and over	357	33	9.2	30	8.5	-	30	3	(¹)	324
Women										
16 years and over	13,227	8,121	61.4	7,236	54.7	15	7,221	885	10.9	5,106
16 to 19 years	1,241	524	42.3	336	27.1	-	336	188	36.0	716
16 to 17 years	618	194	31.4	125	20.2	-	125	70	35.8	424
18 to 19 years	622	330	53.0	211	33.9	-	211	119	36.1	293
20 to 24 years	1,342	983	73.2	786	58.5	-	786	197	20.1	359
25 to 54 years	7,813	5,966	76.4	5,500	70.4	14	5,485	466	7.8	1,847
25 to 34 years	2,917	2,251	77.2	1,974	67.7	5	1,969	277	12.3	666
25 to 29 years	1,426	1,105	77.5	949	66.8	2	947	156	14.1	320
30 to 34 years	1,491	1,145	76.8	1,025	68.7	3	1,022	120	10.5	346
35 to 44 years	2,937	2,272	77.4	2,129	72.5	1	2,128	143	6.3	665
35 to 39 years	1,540	1,189	77.2	1,102	71.6	-	1,102	87	7.3	351
40 to 44 years	1,397	1,084	77.6	1,027	73.5	1	1,026	57	5.2	313
45 to 54 years	1,959	1,443	73.6	1,396	71.3	8	1,388	47	3.2	516
45 to 49 years	1,144	880	76.9	850	74.3	-	850	30	3.4	265
50 to 54 years	815	563	69.1	546	67.0	8	538	17	3.0	252
55 to 64 years	1,224	549	44.9	523	42.7	-	523	26	4.8	675
55 to 59 years	663	349	52.7	332	50.1	-	332	17	4.9	314
60 to 64 years	561	200	35.6	191	34.0	-	191	9	4.6	361
65 years and over	1,607	99	6.1	92	5.7	-	92	7	7.1	1,508
65 to 89 years	485	60	12.4	58	11.9	-	58	3	(¹)	425
70 to 74 years	421	24	5.7	19	4.6	-	19	4	(¹)	397
75 years and over	701	15	2.1	15	2.1	-	15	-	(¹)	686

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

household survey.

NOTE: Beginning in January 1997, data reflect revised population controls used in the

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-14. 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	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
TOTAL								
Civilian noninstitutional population	200,459	203,000	88,570	89,829	96,999	97,834	14,890	15,336
Civilian labor force	135,083	137,557	68,439	69,549	57,644	58,908	9,000	9,100
Percent of population	67.4	67.8	77.3	77.4	59.4	60.2	60.4	59.3
Employed	127,706	130,463	65,474	66,828	54,903	56,263	7,328	7,372
Agriculture	3,793	3,757	2,492	2,596	915	809	387	353
Nonagricultural industries	123,912	128,705	62,983	64,232	53,989	55,454	6,941	7,019
Unemployed	7,377	7,094	2,964	2,721	2,741	2,645	1,672	1,728
Unemployment rate	5.5	5.2	4.3	3.9	4.8	4.5	18.6	19.0
Not in labor force	65,376	65,443	20,132	20,280	39,355	38,926	5,890	6,237
White								
Civilian noninstitutional population	168,222	169,897	75,408	76,275	81,003	81,455	11,812	12,167
Civilian labor force	114,098	115,832	58,698	59,447	47,781	48,666	7,618	7,719
Percent of population	67.8	68.2	77.8	77.9	59.0	59.7	64.5	63.4
Employed	108,771	110,839	56,496	57,494	45,832	46,846	6,443	6,499
Agriculture	3,629	3,532	2,371	2,418	882	777	376	337
Nonagricultural industries	105,142	107,306	54,125	55,076	44,951	46,069	6,067	6,162
Unemployed	5,327	4,994	2,203	1,953	1,949	1,820	1,175	1,220
Unemployment rate	4.7	4.3	3.8	3.3	4.1	3.7	15.4	15.8
Not in labor force	54,124	54,065	16,709	16,828	33,222	32,789	4,193	4,448
Black								
Civilian noninstitutional population	23,579	23,978	9,410	9,569	11,822	11,987	2,348	2,423
Civilian labor force	15,228	15,605	6,778	6,943	7,366	7,597	1,084	1,065
Percent of population	64.6	65.1	72.0	72.6	62.3	63.4	46.2	44.0
Employed	13,542	13,854	6,165	6,327	6,730	6,900	648	627
Agriculture	104	153	79	131	16	15	9	8
Nonagricultural industries	13,438	13,701	6,086	6,196	6,713	6,886	639	619
Unemployed	1,686	1,751	613	616	836	897	436	439
Unemployment rate	11.1	11.2	9.0	8.9	8.6	9.2	40.3	41.2
Not in labor force	8,351	8,373	2,631	2,626	4,456	4,390	1,264	1,357

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-15. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	June 1997									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time	Part time	Total	Looking for full-time work	Looking for part-time work	
TOTAL ENROLLED										
Total, 18 to 24 years	9,432	4,686	49.7	4,063	1,260	2,803	623	324	300	13.3
16 to 19 years	6,206	2,685	43.3	2,242	450	1,792	443	211	233	16.5
20 to 24 years	3,226	2,001	62.0	1,821	810	1,011	180	113	87	9.0
High school	5,016	1,926	38.4	1,558	216	1,342	369	172	196	19.1
College	4,418	2,760	62.5	2,506	1,045	1,461	254	151	103	9.2
Full-time students	3,358	1,882	56.1	1,682	604	1,078	200	114	86	10.6
Part-time students	1,058	878	83.0	824	441	383	54	37	17	6.2
Men, 16 to 24 years	4,639	2,245	48.4	1,928	674	1,254	318	171	147	14.1
16 to 19 years	3,126	1,329	42.5	1,092	255	837	237	120	117	17.8
20 to 24 years	1,513	916	60.6	836	419	417	81	51	30	8.8
High school	2,718	1,090	40.1	889	151	738	201	101	100	18.4
College	1,922	1,158	60.1	1,039	523	516	117	69	47	10.1
Full-time students	1,535	833	54.3	740	320	420	93	57	37	11.2
Part-time students	387	322	83.3	299	203	96	23	13	11	7.2
Women, 16 to 24 years	4,793	2,441	50.9	2,136	587	1,549	308	153	153	12.5
16 to 19 years	3,079	1,357	44.1	1,150	196	954	207	91	116	15.2
20 to 24 years	1,713	1,085	63.3	986	391	595	99	62	37	9.1
High school	2,298	837	36.4	669	65	604	168	71	97	20.1
College	2,494	1,605	64.3	1,467	522	945	138	82	56	8.6
Full-time students	1,823	1,049	57.5	943	284	659	107	57	49	10.2
Part-time students	671	555	82.8	524	238	287	31	24	7	5.6
White										
Total, 18 to 24 years	7,275	3,916	53.8	3,483	1,074	2,409	433	215	218	11.1
16 to 19 years	4,774	2,275	47.7	1,960	395	1,565	315	146	170	13.9
20 to 24 years	2,500	1,641	65.6	1,523	679	844	118	69	48	7.2
Men	3,619	1,904	52.6	1,669	583	1,086	235	107	128	12.3
Women	3,656	2,012	55.0	1,814	491	1,323	198	108	90	9.9
High school	3,850	1,634	42.4	1,363	180	1,183	271	124	147	16.6
College	3,425	2,282	66.6	2,120	894	1,226	162	91	71	7.1
Full-time students	2,566	1,534	59.8	1,411	528	883	122	66	56	8.0
Part-time students	859	748	87.1	708	365	343	40	25	15	5.3
Black										
Total, 16 to 24 years	1,468	510	34.7	371	138	233	139	83	56	27.2
16 to 19 years	1,030	288	28.0	188	41	146	100	51	50	34.9
20 to 24 years	438	222	50.6	184	97	88	38	32	6	17.2
Men	660	228	34.3	164	70	95	62	46	16	27.4
Women	808	284	35.1	207	69	138	77	36	40	27.0
High school	873	210	24.1	131	28	103	79	36	43	37.5
College	595	299	50.4	240	110	130	60	47	13	19.9
Full-time students	461	213	46.2	167	57	111	45	35	11	21.4
Part-time students	133	86	64.8	72	53	19	14	12	2	16.4
Hispanic origin										
Total, 16 to 24 years	1,498	599	40.0	506	130	377	93	37	56	15.5
16 to 19 years	1,074	338	31.5	266	39	227	72	26	46	21.3
20 to 24 years	424	261	61.6	240	90	150	21	11	10	8.0
Men	752	280	37.3	234	82	152	46	18	29	16.6
Women	746	319	42.8	273	48	224	47	19	27	14.6
High school	970	256	26.4	192	38	154	64	23	42	25.1
College	528	344	65.1	315	92	223	29	14	15	8.4
Full-time students	372	212	57.1	199	56	144	13	8	5	6.2
Part-time students	155	131	84.3	116	36	79	16	6	10	11.9

See footnotes at end of table.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-15. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	June 1997									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time	Part time	Total	Looking for full-time work	Looking for part-time work	
TOTAL NOT ENROLLED										
Total, 16 to 24 years	23,300	18,433	79.1	16,140	11,686	4,454	2,293	1,879	414	12.4
16 to 19 years	9,131	6,414	70.2	5,130	2,524	2,605	1,285	981	324	20.0
20 to 24 years	14,169	12,018	84.8	11,010	9,161	1,849	1,008	918	90	8.4
Less than a high school diploma	8,452	5,575	66.0	4,406	2,389	2,037	1,169	875	294	21.0
High school graduates, no college	7,379	6,112	82.8	5,450	4,431	1,019	662	614	48	10.8
Less than a bachelor's degree	5,933	5,328	89.8	4,923	3,699	1,224	405	339	66	7.6
College graduates	1,535	1,417	92.3	1,360	1,186	174	56	51	8	4.0
Men, 16 to 24 years	11,855	10,009	84.4	8,772	6,891	1,881	1,237	1,056	181	12.4
16 to 19 years	4,694	3,434	73.2	2,899	1,496	1,203	735	580	155	21.4
20 to 24 years	7,161	6,575	91.8	6,073	5,395	678	502	476	26	7.6
Less than a high school diploma	4,546	3,308	72.8	2,649	1,869	980	659	520	138	19.9
High school graduates, no college	3,864	3,486	90.2	3,117	2,726	392	368	345	23	10.6
Less than a bachelor's degree	2,774	2,572	92.7	2,390	1,960	431	182	162	20	7.1
College graduates	671	643	95.8	815	536	79	28	28	-	4.4
Women, 16 to 24 years	11,444	8,423	73.6	7,368	4,795	2,573	1,055	822	233	12.5
16 to 19 years	4,437	2,980	67.2	2,430	1,028	1,402	550	381	169	18.4
20 to 24 years	7,007	5,443	77.7	4,938	3,767	1,171	506	442	64	9.3
Less than a high school diploma	3,907	2,268	58.0	1,757	700	1,058	510	355	156	22.5
High school graduates, no college	3,516	2,627	74.7	2,333	1,706	627	294	268	25	11.2
Less than a bachelor's degree	3,159	2,756	87.2	2,533	1,740	793	223	177	47	8.1
College graduates	863	773	89.6	745	650	95	28	23	6	3.7
White										
Total, 16 to 24 years	18,856	15,363	81.5	13,816	9,958	3,858	1,548	1,249	298	10.1
16 to 19 years	7,393	5,444	73.6	4,539	2,224	2,316	905	664	241	16.6
20 to 24 years	11,463	9,919	86.5	9,277	7,734	1,542	643	585	58	6.5
Men	9,709	8,481	87.4	7,642	6,008	1,634	839	723	116	9.9
Women	9,147	6,882	75.2	6,173	3,949	2,224	709	526	183	10.3
Less than a high school diploma	6,728	4,657	69.2	3,856	2,052	1,804	801	577	224	17.2
High school graduates, no college	5,866	4,977	84.9	4,545	3,708	836	433	402	30	8.7
Less than a bachelor's degree	4,937	4,500	91.1	4,234	3,161	1,073	265	224	41	5.9
College graduates	1,325	1,229	92.8	1,181	1,036	144	48	46	3	3.9
Black										
Total, 16 to 24 years	3,450	2,387	69.2	1,722	1,272	450	665	559	105	27.9
16 to 19 years	1,393	778	55.8	439	224	215	338	260	78	43.5
20 to 24 years	2,057	1,610	78.3	1,283	1,048	235	327	299	27	20.3
Men	1,675	1,163	69.5	808	631	177	356	298	57	30.6
Women	1,775	1,224	68.9	915	641	273	309	261	48	25.3
Less than a high school diploma	1,376	743	54.0	418	222	196	326	261	65	43.8
High school graduates, no college	1,244	925	74.4	706	569	136	219	202	17	23.7
Less than a bachelor's degree	718	609	84.8	496	398	98	113	93	20	18.5
College graduates	112	110	97.6	103	83	19	7	4	3	6.4
Hispanic origin										
Total, 16 to 24 years	3,298	2,436	73.9	2,150	1,679	471	286	250	36	11.7
16 to 19 years	1,045	638	61.1	510	305	205	128	101	27	20.1
20 to 24 years	2,253	1,797	79.8	1,640	1,374	266	157	149	9	8.8
Men	1,849	1,627	88.0	1,481	1,237	244	147	140	7	9.0
Women	1,449	808	55.8	670	442	227	139	110	29	17.2
Less than a high school diploma	1,775	1,178	66.3	1,003	735	268	175	154	21	14.8
High school graduates, no college	939	723	77.0	673	566	107	50	41	9	6.9
Less than a bachelor's degree	510	467	91.7	410	331	79	57	51	6	12.2
College graduates	74	67	(¹)	64	46	17	4	4	-	(¹)

¹ 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. Beginning in January 1997, data reflect revised population controls used in the household survey.

A-16. Employed and unemployed full- and part-time workers by age, sex, and race

(in thousands)

Age, sex, and race	June 1997									
	Employed ¹							Unemployed		
	Full-time workers				Part-time workers			Looking for full-time work	Looking for part-time work	
	Total	At work		Not at work	Total	At work ²				Not at work
35 hours or more		1 to 34 hours for economic or noneconomic reasons	Part time for economic reasons			Part time for noneconomic reasons				
TOTAL										
Total, 16 years and over	108,390	93,712	9,538	5,139	22,073	2,927	17,421	1,725	5,867	1,227
16 to 19 years	2,975	2,439	452	84	4,397	573	3,614	210	1,171	557
16 to 17 years	645	512	112	22	2,358	201	2,060	98	478	370
18 to 19 years	2,329	1,927	340	63	2,039	372	1,553	113	898	186
20 years and over	105,415	91,274	9,086	5,055	17,676	2,354	13,808	1,515	4,696	670
20 to 24 years	9,971	8,775	918	280	2,860	629	2,072	160	1,031	157
25 years and over	95,443	82,498	8,170	4,775	14,818	1,725	11,738	1,358	3,685	513
25 to 54 years	83,722	72,703	7,001	4,018	10,725	1,491	8,233	1,001	3,319	364
55 years and over	11,721	9,795	1,189	758	4,091	233	3,503	355	346	150
Men, 16 years and over	83,891	58,534	4,866	2,290	8,929	1,351	5,257	321	3,214	479
16 to 19 years	1,751	1,442	260	48	2,040	305	1,685	71	699	272
16 to 17 years	61,940	55,092	4,606	2,242	4,888	1,048	3,592	250	2,514	207
18 to 19 years	5,814	5,231	453	130	1,095	288	753	55	527	56
20 years and over	56,128	49,861	4,153	2,112	3,794	760	2,839	195	1,987	151
20 to 24 years	48,902	43,675	3,493	1,734	2,121	683	1,365	94	1,774	91
25 years and over	7,225	6,186	661	378	1,673	97	1,474	101	213	60
Women, 16 years and over	44,899	37,178	4,672	2,849	15,145	1,576	12,164	1,404	2,653	748
16 to 19 years	1,224	996	192	36	2,356	269	1,949	139	472	284
16 to 17 years	43,475	36,182	4,480	2,813	12,788	1,308	10,215	1,265	2,181	464
18 to 19 years	4,158	3,545	463	150	1,766	343	1,318	105	503	101
20 years and over	39,317	32,837	4,017	2,663	11,023	965	8,897	1,161	1,678	362
20 to 24 years	34,820	29,028	3,509	2,283	8,804	829	6,868	907	1,545	272
25 years and over	4,497	3,609	508	379	2,418	136	2,029	253	133	90
White										
Men, 16 years and over	54,928	48,728	4,215	1,985	5,930	1,054	4,599	277	2,263	374
16 to 19 years	1,556	1,286	224	48	1,809	277	1,462	70	480	205
16 to 17 years	53,373	47,442	3,992	1,939	4,121	777	3,137	208	1,783	169
18 to 19 years	5,035	4,535	391	109	912	213	659	40	351	39
20 years and over	48,337	42,907	3,601	1,830	3,210	565	2,478	167	1,433	131
20 to 24 years	41,909	37,420	2,996	1,492	1,690	488	1,127	75	1,255	77
25 years and over	6,428	5,486	605	337	1,520	77	1,351	92	178	53
Women, 16 years and over	38,574	30,327	3,851	2,395	13,407	1,269	10,861	1,276	1,773	583
16 to 19 years	1,062	858	171	33	2,072	233	1,731	108	330	206
16 to 17 years	35,511	29,469	3,680	2,362	11,334	1,036	9,130	1,168	1,443	378
18 to 19 years	3,378	2,897	358	123	1,475	272	1,111	92	304	67
20 years and over	32,133	26,572	3,323	2,239	9,860	765	8,018	1,077	1,139	310
20 to 24 years	28,241	23,426	2,883	1,932	7,884	652	6,194	837	1,038	227
25 years and over	3,893	3,147	440	308	2,176	112	1,824	240	101	83
Black										
Men, 16 years and over	5,981	5,282	472	227	837	206	405	27	775	91
16 to 19 years	134	109	22	3	158	21	136	-	189	61
16 to 17 years	5,847	5,173	450	224	480	185	269	26	586	30
18 to 19 years	567	511	47	9	114	56	51	6	155	12
20 years and over	5,280	4,662	403	215	366	129	217	21	431	18
20 to 24 years	4,744	4,199	367	177	277	117	146	14	405	14
25 years and over	536	483	36	38	90	11	72	6	26	4
Women, 16 years and over	6,067	5,085	630	352	1,169	247	851	71	756	129
16 to 19 years	132	107	22	2	204	29	151	24	122	67
16 to 17 years	5,935	4,978	608	349	965	218	700	47	635	62
18 to 19 years	578	482	80	17	208	61	139	7	176	21
20 years and over	5,357	4,495	529	333	758	157	561	40	459	41
20 to 24 years	4,899	4,134	485	280	600	141	428	32	432	34
25 years and over	457	361	44	53	157	16	133	9	27	6

¹ Employed persons are classified as full- or part-time workers based on their usual weekly hours at all jobs regardless of the number of hours they are at work during the reference week. Persons absent from work are also classified according to their usual status.

² Includes some persons at work 35 hours or more classified by their reason for working part time.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-17. Employed persons 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	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
Total	127,706	130,463	69,298	70,619	65,474	66,828	58,408	59,843	54,903	56,263
Managerial and professional specialty	36,440	37,271	18,855	18,911	18,719	18,791	17,585	18,360	17,408	18,236
Executive, administrative, and managerial	18,136	18,471	10,275	10,199	10,224	10,151	7,861	8,273	7,804	8,239
Officials and administrators, public administration	777	664	412	340	409	340	365	324	365	324
Other executive, administrative, and managerial	12,905	13,246	7,882	7,978	7,838	7,939	5,023	5,268	4,972	5,242
Management-related occupations	4,454	4,561	1,981	1,881	1,977	1,873	2,473	2,681	2,466	2,673
Professional specialty	18,304	18,800	8,580	8,713	8,495	8,641	9,724	10,087	9,604	9,998
Engineers	1,955	2,006	1,813	1,826	1,813	1,821	142	180	142	180
Mathematical and computer scientists	1,355	1,528	916	1,046	913	1,042	439	482	439	482
Natural scientists	570	528	416	365	415	364	153	163	153	163
Health diagnosing occupations	983	1,036	731	754	730	754	251	282	251	280
Health assessment and treating occupations	2,822	2,939	419	376	416	375	2,403	2,563	2,401	2,560
Teachers, college and university	807	717	460	427	452	423	347	290	348	284
Teachers, except college and university	4,367	4,471	1,114	1,049	1,096	1,031	3,252	3,422	3,213	3,396
Lawyers and judges	842	878	584	622	584	622	258	256	258	256
Other professional specialty occupations	4,604	4,698	2,127	2,248	2,076	2,208	2,478	2,450	2,397	2,397
Technical, sales, and administrative support	37,720	38,218	13,553	13,742	12,858	12,937	24,168	24,476	22,422	22,700
Technicians and related support	3,973	4,338	1,976	2,034	1,932	1,987	1,996	2,304	1,967	2,261
Health technologists and technicians	1,569	1,800	341	361	336	355	1,228	1,439	1,220	1,418
Engineering and science technicians	1,233	1,272	934	945	902	923	299	327	290	314
Technicians, except health, engineering, and science	1,171	1,265	701	727	693	710	469	538	457	529
Sales occupations	15,485	15,806	7,754	7,906	7,310	7,352	7,731	7,900	6,571	6,771
Supervisors and proprietors	4,541	4,757	2,839	2,960	2,822	2,940	1,702	1,787	1,688	1,776
Sales representatives, finance and business services	2,573	2,621	1,472	1,492	1,447	1,466	1,101	1,129	1,063	1,104
Sales representatives, commodities, except retail	1,472	1,407	1,100	1,047	1,086	1,036	372	360	365	356
Sales workers, retail and personal services	6,796	6,950	2,305	2,386	1,920	1,889	4,491	4,564	3,395	3,486
Sales-related occupations	102	71	38	21	35	21	64	50	61	49
Administrative support, including clerical	18,263	18,075	3,822	3,802	3,616	3,597	14,440	14,272	13,884	13,669
Supervisors	691	625	258	260	258	260	433	365	433	364
Computer equipment operators	398	399	149	167	145	163	249	232	237	218
Secretaries, stenographers, and typists	3,891	3,710	90	73	85	73	3,801	3,636	3,707	3,536
Financial records processing	2,310	2,248	201	165	196	157	2,109	2,083	2,085	2,057
Mail and message distributing	1,041	979	690	604	660	593	351	375	340	365
Other administrative support, including clerical	9,932	10,115	2,434	2,534	2,272	2,351	7,498	7,581	7,082	7,129
Service occupations	17,490	17,708	7,313	7,385	6,134	6,285	10,178	10,323	8,935	9,064
Private household	727	753	54	26	40	23	673	726	541	617
Protective service	2,196	2,456	1,824	2,024	1,772	1,950	372	432	305	362
Service, except private household and protective	14,568	14,499	5,435	5,334	4,322	4,312	9,133	9,165	8,089	8,085
Food service	6,139	6,043	2,787	2,682	1,910	1,891	3,352	3,381	2,608	2,618
Health service	2,467	2,285	315	293	312	278	2,152	1,992	2,054	1,906
Cleaning and building service	3,196	3,182	1,810	1,786	1,654	1,661	1,387	1,395	1,328	1,313
Personal service	2,766	2,989	523	593	446	482	2,243	2,396	2,099	2,247
Precision production, craft, and repair	13,748	14,551	12,502	13,160	12,189	12,796	1,246	1,391	1,197	1,328
Mechanics and repairers	4,589	4,690	4,383	4,481	4,280	4,372	206	209	198	204
Construction trades	5,176	5,638	5,024	5,464	4,860	5,281	152	174	138	154
Other precision production, craft, and repair	3,983	4,223	3,095	3,215	3,050	3,144	888	1,008	861	970
Operators, fabricators, and laborers	18,338	18,765	13,858	14,201	12,777	13,136	4,481	4,564	4,254	4,297
Machine operators, assemblers, and inspectors	7,796	7,935	4,757	4,940	4,571	4,790	3,039	2,996	2,964	2,903
Transportation and material moving occupations	5,337	5,492	4,892	5,009	4,749	4,908	445	483	424	463
Motor vehicle operators	4,077	4,125	3,683	3,697	3,557	3,604	393	427	372	411
Other transportation and material moving occupations	1,260	1,368	1,208	1,312	1,193	1,304	52	56	53	51
Handlers, equipment cleaners, helpers, and laborers	5,205	5,337	4,209	4,252	3,456	3,438	996	1,085	865	931
Construction laborers	887	894	853	863	758	735	34	31	18	31
Other handlers, equipment cleaners, helpers, and laborers	4,318	4,443	3,356	3,389	2,698	2,703	962	1,054	847	900
Farming, forestry, and fishing	3,968	3,950	3,217	3,220	2,797	2,882	751	730	687	637
Farm operators and managers	1,343	1,332	1,025	1,044	1,014	1,026	317	289	314	287
Other farming, forestry, and fishing occupations	2,626	2,618	2,192	2,176	1,783	1,856	433	442	374	350

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
TOTAL						
Total, 16 years and over (thousands)	127,706	130,463	69,298	70,619	58,408	59,843
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	28.5	28.6	27.2	26.8	30.1	30.7
Executive, administrative, and managerial	14.2	14.2	14.8	14.4	13.5	13.8
Professional specialty	14.3	14.4	12.4	12.3	16.6	16.9
Technical, sales, and administrative support	29.5	29.3	19.6	19.5	41.4	40.9
Technicians and related support	3.1	3.3	2.9	2.9	3.4	3.8
Sales occupations	12.1	12.1	11.2	11.2	13.2	13.2
Administrative support, including clerical	14.3	13.9	5.5	5.4	24.7	23.8
Service occupations	13.7	13.6	10.6	10.5	17.4	17.2
Private household .....	.6	.6	.1	(¹)	1.2	1.2
Protective service	1.7	1.9	2.6	2.9	.6	.7
Service, except private household and protective	11.4	11.1	7.8	7.6	15.6	15.3
Precision production, craft, and repair	10.8	11.2	18.0	18.6	2.1	2.3
Operators, fabricators, and laborers	14.4	14.4	20.0	20.1	7.7	7.6
Machine operators, assemblers, and inspectors	6.1	6.1	6.9	7.0	5.2	5.0
Transportation and material moving occupations	4.2	4.2	7.1	7.1	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.1	4.1	6.1	6.0	1.7	1.8
Farming, forestry, and fishing	3.1	3.0	4.6	4.6	1.3	1.2
White						
Total, 16 years and over (thousands)	108,771	110,839	59,887	60,859	48,884	49,980
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	29.5	29.5	28.1	27.7	31.2	31.8
Executive, administrative, and managerial	14.9	14.8	15.5	15.1	14.1	14.4
Professional specialty	14.6	14.7	12.6	12.5	17.1	17.3
Technical, sales, and administrative support	29.6	29.4	19.5	19.5	41.8	41.4
Technicians and related support	3.1	3.3	2.8	2.9	3.4	3.8
Sales occupations	12.5	12.4	11.8	11.6	13.6	13.4
Administrative support, including clerical	14.0	13.7	5.1	5.0	24.9	24.2
Service occupations	12.6	12.5	9.5	9.5	16.4	16.2
Private household .....	.5	.6	.1	(¹)	1.1	1.2
Protective service	1.7	1.7	2.6	2.7	.5	.6
Service, except private household and protective	10.5	10.2	8.9	6.7	14.8	14.4
Precision production, craft, and repair	11.2	11.6	18.7	19.4	2.0	2.2
Operators, fabricators, and laborers	13.6	13.7	19.0	19.1	7.0	7.0
Machine operators, assemblers, and inspectors	5.6	5.7	6.5	6.7	4.6	4.4
Transportation and material moving occupations	4.1	4.1	6.8	6.8	.8	.8
Handlers, equipment cleaners, helpers, and laborers	3.8	3.9	5.8	5.7	1.6	1.7
Farming, forestry, and fishing	3.4	3.3	5.1	4.9	1.5	1.4
Black						
Total, 16 years and over (thousands)	13,542	13,854	6,475	6,618	7,068	7,236
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	19.8	19.8	16.9	15.9	22.5	23.4
Executive, administrative, and managerial	8.7	9.1	8.4	8.4	9.0	9.8
Professional specialty	11.1	10.7	8.5	7.5	13.5	13.6
Technical, sales, and administrative support	28.6	28.0	17.0	17.1	39.2	38.0
Technicians and related support	3.1	2.9	2.7	2.3	3.5	3.5
Sales occupations	8.7	9.1	6.7	6.5	10.6	11.5
Administrative support, including clerical	16.7	16.0	7.7	8.3	25.1	23.1
Service occupations	21.6	21.6	18.5	18.1	24.5	24.8
Private household .....	.9	.8	(¹)	-	1.7	1.6
Protective service	2.6	3.1	3.8	4.9	1.4	1.5
Service, except private household and protective	18.2	17.6	14.7	13.2	21.3	21.7
Precision production, craft, and repair	7.9	8.7	13.9	15.2	2.4	2.7
Operators, fabricators, and laborers	21.0	20.4	31.8	31.0	11.2	10.8
Machine operators, assemblers, and inspectors	9.4	8.6	10.4	9.8	8.4	7.5
Transportation and material moving occupations	5.5	6.0	10.7	11.5	.7	1.0
Handlers, equipment cleaners, helpers, and laborers	6.2	5.9	10.6	9.7	2.1	2.4
Farming, forestry, and fishing	1.1	1.4	2.0	2.7	.2	.2

¹ Less than 0.05 percent.

NOTE: Beginning in January 1997, data reflect revised population

controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-19. Employed persons by industry and occupation

(In thousands)

Industry	June 1997												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,757	127	87	58	19	174	-	12	41	7	65	36	3,132
Mining	649	87	56	29	13	61	-	6	239	25	103	29	2
Construction	8,701	1,252	131	47	80	462	-	40	4,993	86	620	969	22
Manufacturing	21,064	2,863	1,892	746	817	2,054	-	253	3,945	6,509	758	1,119	108
Durable goods	12,423	1,631	1,204	489	327	1,119	-	141	2,799	3,653	390	580	90
Nondurable goods	8,641	1,232	688	257	490	935	-	112	1,146	2,856	368	538	18
Transportation and public utilities	9,346	1,223	577	337	252	2,273	-	345	1,297	139	2,323	561	19
Wholesale and retail trade	27,218	2,667	533	198	1,307	2,213	-	5,235	1,559	292	1,086	2,026	104
Wholesale trade	4,842	598	120	46	1,827	714	-	73	343	104	516	429	71
Retail trade	22,376	2,068	413	152	9,479	1,498	-	5,161	1,216	188	570	1,597	33
Finance, insurance, and real estate	8,371	2,434	290	133	2,153	2,745	-	323	197	17	9	29	41
Services	45,541	6,560	14,266	2,562	1,134	6,806	753	9,054	2,085	827	475	529	490
Private households	911	-	10	2	-	6	753	86	12	-	-	7	37
Other service industries	44,630	6,560	14,256	2,560	1,134	6,800	-	8,968	2,073	827	476	522	454
Professional services	30,064	4,117	12,351	2,232	192	4,893	-	5,206	407	190	241	106	129
Public administration	5,815	1,260	970	227	31	1,287	-	1,688	195	35	53	38	32

¹ Includes protective service, not shown separately.

controls used in the household survey.

NOTE: Beginning in January 1997, data reflect revised population

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-20. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker

(In thousands)

Age and sex	June 1997									
	Agriculture			Nonagricultural industries						
	Wage and salary workers	Self-employed workers	Unpaid family workers	Wage and salary workers					Self-employed workers	Unpaid family workers
				Total	Private industries			Government		
Total	Private household workers	Other private industries								
Total, 16 years and over	2,222	1,485	50	117,386	99,541	900	98,641	17,846	9,180	139
16 to 19 years	274	62	17	6,937	6,579	131	6,448	358	68	14
16 to 17 years	126	36	11	2,797	2,646	57	2,589	151	21	12
18 to 19 years	148	25	7	4,140	3,934	75	3,859	206	47	2
20 to 24 years	372	30	3	12,119	11,216	111	11,105	904	297	11
25 to 34 years	592	195	15	29,422	25,765	152	25,613	3,657	1,618	21
35 to 44 years	489	335	10	32,123	26,736	188	26,548	5,387	2,842	27
45 to 54 years	298	307	-	23,794	18,574	147	18,427	5,221	2,327	32
55 to 64 years	129	288	4	10,244	8,281	107	8,175	1,963	1,393	16
65 years and over	68	269	-	2,746	2,390	64	2,326	356	636	18
Men, 16 years and over	1,729	1,118	27	62,143	54,158	81	54,078	7,985	5,558	44
16 to 19 years	206	59	13	3,477	3,319	13	3,306	158	26	-
16 to 17 years	97	36	6	1,411	1,347	9	1,338	64	4	9
18 to 19 years	110	24	7	2,066	1,973	5	1,968	94	22	-
20 to 24 years	315	27	3	6,395	5,977	17	5,960	419	162	6
25 to 34 years	485	135	9	15,834	14,140	17	14,123	1,695	941	5
35 to 44 years	342	254	-	17,147	14,791	20	14,771	2,356	1,655	1
45 to 54 years	237	207	-	12,287	9,947	1	9,946	2,340	1,476	4
55 to 64 years	89	207	-	5,487	4,655	9	4,645	832	877	9
65 years and over	54	229	-	1,515	1,330	3	1,327	185	420	10
Women, 16 years and over	493	368	23	55,243	45,382	819	44,563	9,861	3,622	95
16 to 19 years	68	2	4	3,460	3,260	118	3,142	200	42	4
16 to 17 years	30	1	-	1,386	1,299	48	1,251	87	17	3
18 to 19 years	38	2	-	2,074	1,961	70	1,891	113	25	1
20 to 24 years	56	3	-	5,724	5,239	94	5,145	485	135	5
25 to 34 years	107	59	6	13,588	11,625	135	11,490	1,963	677	16
35 to 44 years	147	81	8	14,976	11,945	168	11,777	3,031	1,187	26
45 to 54 years	60	101	-	11,507	8,626	146	8,481	2,881	851	27
55 to 64 years	40	81	5	4,757	3,627	97	3,530	1,130	516	7
65 years and over	14	40	-	1,231	1,060	61	999	171	215	9

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-21. Persons at work in agriculture and nonagricultural industries by hours of work

Hours of work	June 1997					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	123,599	3,651	119,948	100.0	100.0	100.0
1 to 34 hours	29,034	1,003	28,031	23.5	27.5	23.4
1 to 4 hours	1,412	95	1,317	1.1	2.6	1.1
5 to 14 hours	4,219	221	3,998	3.4	6.1	3.3
15 to 29 hours	14,555	469	14,086	11.8	12.8	11.7
30 to 34 hours	8,848	218	8,630	7.2	6.0	7.2
35 hours and over	94,565	2,647	91,917	76.5	72.5	76.6
35 to 39 hours	8,729	199	8,530	7.1	5.5	7.1
40 hours	46,191	809	45,382	37.4	22.2	37.8
41 hours and over	39,645	1,639	38,005	32.1	44.9	31.7
41 to 48 hours	14,301	259	14,042	11.6	7.1	11.7
49 to 59 hours	14,371	439	13,932	11.6	12.0	11.6
60 hours and over	10,972	941	10,031	8.9	25.8	8.4
Average hours, total at work	39.8	43.9	39.7	-	-	-
Average hours, persons who usually work full time	43.5	50.5	43.3	-	-	-

NOTE: Detail on persons at work in tables A-21 through A-25 may not sum to the totals shown because of minor editing problems associated with the

redesigned survey. Beginning in January 1997, data reflect revised population controls used in the household survey.

A-22. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than 35 hours and usual full- or part-time status

(Numbers in thousands)

Reason for working less than 35 hours	June 1997					
	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	29,034	9,538	19,496	28,031	9,248	18,783
Economic reasons	4,258	1,490	2,768	4,024	1,403	2,621
Slack work or business conditions	2,275	1,162	1,113	2,140	1,093	1,048
Could only find part-time work	1,580	-	1,580	1,516	-	1,516
Seasonal work	160	85	75	131	74	58
Job started or ended during week	243	243	-	236	236	-
Noneconomic reasons	24,776	8,048	16,728	24,007	7,845	16,162
Child-care problems	607	78	729	794	74	720
Other family or personal obligations	5,430	731	4,699	5,235	712	4,523
Health or medical limitations	669	-	669	636	-	636
In school or training	4,456	95	4,361	4,365	93	4,272
Retired or Social Security limit on earnings	1,763	-	1,763	1,637	-	1,637
Vacation or personal day	4,097	4,097	-	4,028	4,028	-
Holiday, legal or religious	163	163	-	162	162	-
Weather-related curtailment	380	380	-	329	329	-
All other reasons	7,012	2,506	4,507	6,821	2,447	4,374
Average hours:						
Economic reasons	22.7	24.0	22.0	22.8	23.9	22.2
Other reasons	21.5	24.6	20.0	21.6	24.7	20.1

NOTE: Beginning in January 1997, data reflect revised population

controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-23. Persons at work in nonagricultural industries by class of worker and usual full- or part-time status

(Numbers in thousands)

Industry and class of worker	June 1997							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
Total 16 years and over	119,948	28,031	4,024	7,845	16,162	91,917	39.7	43.3
Wage and salary workers	111,195	25,184	3,691	7,238	14,255	86,010	39.6	43.0
Mining	807	55	7	34	15	552	49.0	49.7
Construction	6,959	1,155	303	542	311	5,803	41.1	42.6
Manufacturing	19,895	2,304	348	1,287	669	17,590	42.5	43.4
Durable goods	11,761	1,205	151	763	291	10,556	43.0	43.7
Nondurable goods	8,133	1,099	197	524	378	7,034	41.8	43.1
Transportation and public utilities	8,454	1,219	180	545	495	7,234	42.5	44.3
Wholesale and retail trade	24,316	7,653	1,309	1,138	5,206	16,663	37.7	43.6
Finance, insurance, and real estate	7,478	1,243	100	401	743	6,235	40.7	43.1
Service industries	37,910	10,686	1,385	2,748	6,553	27,224	37.9	42.2
Private households	862	542	98	41	402	320	27.5	39.6
All other industries	37,049	10,144	1,286	2,707	6,151	26,905	38.2	42.2
Public administration	5,576	869	59	545	265	4,708	40.9	42.1
Self-employed workers	8,614	2,749	326	596	1,827	5,866	40.3	47.0
Unpaid family workers	139	98	7	11	80	41	29.3	(')

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

used in the household survey.

NOTE: Beginning in January 1997, data reflect revised population controls

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-24. Persons at work in nonagricultural industries by age, sex, race, marital status, and usual full- or part-time status

(Numbers in thousands)

Age, sex, race, and marital status	June 1997							Total at work	Persons who usually work full time
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours		
		Total	For economic reasons	For noneconomic reasons					
				Usually work full time	Usually work part time				
TOTAL									
Total, 16 years and over	119,948	28,031	4,024	7,845	16,162	91,917	39.7	43.3	
16 to 19 years	6,735	4,323	640	284	3,398	2,412	27.7	39.5	
16 to 17 years	2,716	2,222	216	73	1,934	494	22.5	38.3	
18 to 19 years	4,019	2,101	425	212	1,464	1,918	31.2	39.8	
20 years and over	113,214	23,708	3,384	7,561	12,764	89,505	40.4	43.4	
20 to 24 years	11,994	3,376	808	652	1,916	8,618	37.7	41.9	
25 years and over	101,219	20,332	2,575	6,909	10,848	80,887	40.7	43.6	
25 to 54 years	87,244	15,826	2,221	5,946	7,659	71,419	41.3	43.7	
55 years and over	13,975	4,506	354	963	3,189	9,469	37.0	42.8	
Men, 16 years and over	65,198	10,562	1,968	3,837	4,756	54,636	42.6	44.8	
16 to 19 years	3,403	2,031	341	157	1,533	1,372	28.8	39.9	
16 to 17 years	1,381	1,080	134	39	906	301	23.2	38.6	
18 to 19 years	2,022	951	207	118	626	1,071	32.6	40.2	
20 years and over	61,795	8,531	1,627	3,680	3,224	53,264	43.3	45.0	
20 to 24 years	6,385	1,377	391	288	698	5,007	39.9	43.0	
25 years and over	55,410	7,154	1,236	3,392	2,526	48,256	43.7	45.2	
25 to 54 years	47,553	5,171	1,050	2,878	1,242	42,382	44.4	45.3	
55 years and over	7,857	1,983	186	513	1,283	5,874	39.6	44.0	
Women, 16 years and over	54,751	17,469	2,056	4,008	11,406	37,281	36.2	41.1	
16 to 19 years	3,332	2,291	299	127	1,865	1,040	26.6	39.0	
16 to 17 years	1,335	1,142	82	33	1,027	193	21.7	37.9	
18 to 19 years	1,997	1,149	218	94	838	848	29.8	39.3	
20 years and over	51,419	15,178	1,757	3,881	9,541	36,241	36.8	41.1	
20 to 24 years	5,610	1,999	417	363	1,219	3,611	35.3	40.3	
25 years and over	45,809	13,178	1,339	3,517	8,322	32,631	37.0	41.2	
25 to 54 years	39,691	10,655	1,171	3,068	6,416	29,036	37.6	41.3	
55 years and over	6,118	2,523	168	449	1,906	3,594	33.5	40.9	
Race									
White, 16 years and over	101,464	24,179	3,261	6,609	14,310	77,285	39.7	43.5	
Men	55,969	9,061	1,595	3,321	4,145	46,908	42.8	45.1	
Women	45,495	15,118	1,666	3,288	10,164	30,377	35.9	41.1	
Black, 16 years and over	13,037	2,688	590	902	1,196	10,349	39.1	41.6	
Men	6,235	1,004	268	359	377	5,231	40.9	42.8	
Women	6,801	1,683	322	543	819	5,118	37.4	40.3	
Marital status									
Men, 16 years and over:									
Married, spouse present	39,275	4,715	700	2,409	1,606	34,560	44.3	45.6	
Widowed, divorced, or separated	7,823	1,121	242	456	423	6,702	43.1	44.8	
Single (never married)	18,100	4,725	1,026	972	2,727	13,374	38.6	42.9	
Women, 16 years and over:									
Married, spouse present	28,883	9,282	759	2,169	6,354	19,601	35.9	40.9	
Widowed, divorced, or separated	11,142	2,803	401	851	1,551	8,339	38.3	41.8	
Single (never married)	14,726	5,385	896	987	3,502	9,342	35.2	40.9	

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

A-25. Persons at work in nonfarm occupations by sex and usual full- or part-time status

(Numbers in thousands)

Occupation and sex	June 1997							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
Total, 16 years and over ¹	119,777	27,995	3,998	7,831	16,166	91,782	39.7	43.3
Managerial and professional specialty	34,482	6,379	548	2,544	3,287	28,102	42.0	44.6
Executive, administrative, and managerial	17,779	2,327	157	1,081	1,090	15,452	44.2	45.9
Professional specialty	16,702	4,052	391	1,464	2,198	12,650	39.7	43.1
Technical, sales, and administrative support	36,531	9,794	1,081	2,278	6,435	26,737	38.1	42.5
Technicians and related support	4,174	849	75	299	475	3,325	39.5	42.1
Sales occupations	15,143	4,324	593	748	2,983	10,819	39.3	44.9
Administrative support, including clerical	17,214	4,621	412	1,231	2,977	12,593	36.8	40.6
Service occupations	16,760	6,480	1,188	923	4,369	10,281	35.0	41.8
Private household	726	464	88	35	340	262	27.1	39.3
Protective service	2,333	417	74	147	197	1,916	42.2	44.7
Service, except private household and protective	13,701	5,599	1,026	740	3,832	8,103	34.2	41.2
Precision production, craft, and repair	13,999	1,938	447	993	498	12,061	42.2	43.3
Operators, fabricators, and laborers	18,005	3,405	734	1,094	1,577	14,601	40.7	43.3
Machine operators, assemblers, and inspectors	7,662	1,072	214	500	358	6,590	40.9	42.2
Transportation and material moving occupations	5,193	817	172	267	378	4,376	44.4	46.8
Handlers, equipment cleaners, helpers, and laborers	5,150	1,516	348	327	841	3,635	36.7	41.1
Men, 16 years and over ¹	64,870	10,455	1,946	3,811	4,698	54,415	42.6	44.9
Managerial and professional specialty	18,066	2,235	242	1,091	902	15,831	45.1	46.7
Executive, administrative, and managerial	9,927	902	81	475	347	9,025	46.8	47.9
Professional specialty	8,139	1,332	162	616	555	6,807	43.1	45.1
Technical, sales, and administrative support	13,351	2,242	303	683	1,257	11,109	42.6	45.4
Technicians and related support	1,964	280	23	152	105	1,684	42.0	43.3
Sales occupations	7,688	1,271	186	313	772	6,417	44.0	47.2
Administrative support, including clerical	3,699	691	94	218	380	3,007	40.1	42.7
Service occupations	7,107	2,031	472	353	1,205	5,077	38.1	43.2
Private household	26	17	5	1	11	9	(²)	(²)
Protective service	1,925	285	54	121	110	1,640	43.4	45.1
Service, except private household and protective	5,156	1,728	413	230	1,084	3,428	36.2	42.2
Precision production, craft, and repair	12,685	1,670	410	900	360	11,015	42.6	43.5
Operators, fabricators, and laborers	13,661	2,277	518	784	975	11,384	41.8	44.0
Machine operators, assemblers, and inspectors	4,763	501	89	280	132	4,262	42.4	43.2
Transportation and material moving occupations	4,781	641	143	249	249	4,140	45.1	46.9
Handlers, equipment cleaners, helpers, and laborers	4,117	1,135	287	255	593	2,982	37.2	41.3
Women, 16 years and over ¹	54,907	17,541	2,052	4,020	11,468	37,367	36.2	41.1
Managerial and professional specialty	16,416	4,145	305	1,454	2,385	12,271	38.6	42.0
Executive, administrative, and managerial	7,852	1,425	76	606	743	6,427	41.0	43.2
Professional specialty	8,564	2,720	229	848	1,643	5,844	36.5	40.8
Technical, sales, and administrative support	23,180	7,552	778	1,595	5,179	15,628	35.5	40.6
Technicians and related support	2,209	569	52	147	371	1,640	37.3	40.7
Sales occupations	7,456	3,053	407	435	2,210	4,402	34.4	41.8
Administrative support, including clerical	13,515	3,929	319	1,013	2,598	9,586	35.9	40.0
Service occupations	9,653	4,449	716	570	3,163	5,204	32.8	40.5
Private household	700	446	83	34	329	254	27.0	39.3
Protective service	408	132	20	26	86	277	36.6	42.0
Service, except private household and protective	8,545	3,871	613	510	2,748	4,674	33.0	40.5
Precision production, craft, and repair	1,314	268	37	92	138	1,046	39.0	41.6
Operators, fabricators, and laborers	4,344	1,128	216	309	603	3,217	37.3	40.6
Machine operators, assemblers, and inspectors	2,900	571	126	220	225	2,328	38.5	40.4
Transportation and material moving occupations	412	175	29	17	129	236	35.7	44.6
Handlers, equipment cleaners, helpers, and laborers	1,033	381	61	72	248	652	34.6	40.2

¹ Excludes farming, forestry, and fishing occupations.
² Data not shown where base is less than 75,000.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-26. 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	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
Total, 16 years and over	3,868	3,693	5.3	5.0	3,509	3,401	5.7	5.4
Married, spouse present	1,215	1,080	2.8	2.5	1,181	1,048	3.5	3.1
Widowed, divorced, or separated	486	477	5.9	5.3	699	663	5.8	5.2
Single (never married)	2,166	2,135	10.3	9.8	1,629	1,691	9.9	9.8
White, 16 years and over	2,844	2,637	4.5	4.2	2,483	2,356	4.8	4.5
Married, spouse present	976	891	2.5	2.3	975	865	3.3	3.0
Widowed, divorced, or separated	361	329	5.3	4.5	503	487	5.2	4.9
Single (never married)	1,507	1,417	8.8	8.0	1,005	1,004	8.1	7.7
Black, 16 years and over	844	866	11.5	11.6	841	885	10.6	10.9
Married, spouse present	169	128	5.2	3.9	118	135	4.6	5.4
Widowed, divorced, or separated	108	123	9.7	9.4	175	157	6.4	7.2
Single (never married)	567	614	19.2	21.2	548	594	16.9	17.1
Total, 25 years and over	2,284	2,138	3.7	3.4	2,130	2,040	4.2	3.9
Married, spouse present	1,155	1,023	2.7	2.4	1,037	930	3.3	2.9
Widowed, divorced, or separated	452	454	5.7	5.2	654	602	5.6	4.9
Single (never married)	677	661	6.4	6.0	440	509	5.7	6.2
White, 25 years and over	1,694	1,563	3.2	2.9	1,552	1,449	3.6	3.3
Married, spouse present	927	852	2.5	2.3	859	787	3.1	2.7
Widowed, divorced, or separated	331	310	5.0	4.4	469	436	5.0	4.5
Single (never married)	436	402	5.2	4.6	224	246	4.1	4.2
Black, 25 years and over	458	448	7.8	7.4	464	500	7.2	7.6
Married, spouse present	159	110	5.0	3.5	100	114	4.1	4.8
Widowed, divorced, or separated	107	120	9.9	9.3	163	148	8.1	6.9
Single (never married)	192	218	11.7	13.3	201	237	10.2	11.3

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-27. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
Total, 16 years and over ¹	7,377	7,094	5.5	5.2	5.3	5.0	5.7	5.4
Managerial and professional specialty	966	814	2.6	2.1	2.6	2.0	2.6	2.3
Executive, administrative, and managerial	420	324	2.3	1.7	2.2	1.7	2.4	1.8
Professional specialty	545	490	2.9	2.5	3.0	2.3	2.8	2.7
Technical, sales, and administrative support	1,722	1,776	4.4	4.4	3.6	4.0	4.8	4.7
Technicians and related support	111	111	2.7	2.5	2.6	2.4	2.8	2.6
Sales occupations	634	898	5.1	5.4	3.3	4.1	6.8	6.6
Administrative support, including clerical	776	767	4.1	4.1	4.5	4.7	4.0	3.9
Service occupations	1,371	1,352	7.3	7.1	7.1	7.2	7.4	7.0
Private household	104	68	12.5	8.3	(²)	(²)	12.8	7.6
Protective service	113	83	4.9	3.3	4.2	2.8	8.2	5.2
Service, except private household and protective	1,154	1,201	7.3	7.7	8.1	8.6	6.9	7.1
Precision production, craft, and repair	682	640	4.7	4.2	4.6	4.2	6.1	4.6
Mechanics and repairers	146	145	3.1	3.0	3.1	3.1	3.8	1.3
Construction trades	363	353	6.5	5.9	6.3	5.9	13.1	5.2
Other precision production, craft, and repair	173	142	4.2	3.2	3.8	2.6	5.4	5.1
Operators, fabricators, and laborers	1,482	1,395	7.5	6.9	7.1	6.3	8.5	8.7
Machine operators, assemblers, and inspectors	624	521	7.4	6.2	6.6	4.6	8.7	8.6
Transportation and material moving occupations	246	255	4.4	4.4	4.3	4.4	5.8	4.7
Handlers, equipment cleaners, helpers, and laborers	612	619	10.5	10.4	10.8	10.3	9.2	10.8
Construction laborers	148	127	14.3	12.4	14.5	11.7	(²)	(²)
Other handlers, equipment cleaners, helpers, and laborers	463	492	9.7	10.0	9.8	9.9	9.2	10.1
Farming, forestry, and fishing	254	275	6.0	6.5	5.6	6.1	7.8	8.1
No previous work experience	882	814	-	-	-	-	-	-
16 to 19 years	673	587	-	-	-	-	-	-
20 to 24 years	97	107	-	-	-	-	-	-
25 years and over	112	120	-	-	-	-	-	-

¹ Includes a small number of persons whose last job was in the Armed Forces.

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

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-28. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
Total, 16 years and over	7,377	7,094	5.5	5.2	5.3	5.0	5.7	5.4
Nonagricultural private wage and salary workers	5,471	5,157	5.4	4.9	5.3	4.7	5.5	5.2
Mining	27	15	4.7	2.2	4.5	1.6	6.1	6.1
Construction	534	498	7.9	6.9	8.1	7.1	6.3	5.5
Manufacturing	1,018	879	4.8	4.1	4.5	3.5	5.6	5.4
Durable goods	530	412	4.3	3.3	4.1	2.9	4.8	4.5
Lumber and wood products	69	48	8.1	5.7	7.8	5.1	9.1	8.4
Furniture and fixtures	11	25	1.5	3.7	1.9	2.6	.7	6.9
Stone, clay, and glass products	27	19	4.5	2.9	4.5	2.1	4.5	5.5
Primary metal industries	17	32	2.3	4.1	2.8	4.3	-	2.9
Fabricated metal products	74	45	5.6	3.3	5.7	2.8	5.2	5.0
Machinery and computing equipment	92	88	3.8	3.5	3.4	3.1	5.1	4.5
Electrical machinery, equipment, and supplies	64	58	3.3	3.1	3.4	2.9	3.1	3.3
Transportation equipment	93	61	3.9	2.6	3.1	2.2	6.3	3.7
Automobiles	37	25	2.7	1.9	2.7	1.5	2.6	3.0
Other transportation equipment	55	36	5.6	3.5	3.8	3.2	11.8	4.8
Professional and photographic equipment	36	5	4.6	.7	5.7	.8	3.1	.5
Other durable goods industries	47	32	7.3	4.6	5.3	1.3	9.4	9.2
Nondurable goods	488	467	5.7	5.2	5.1	4.5	6.5	6.3
Food and kindred products	158	126	8.8	6.9	7.8	5.1	11.0	10.3
Textile mill products	37	27	5.9	4.3	6.8	3.0	4.9	5.9
Apparel and other textile products	60	108	6.1	10.7	5.1	8.5	6.5	11.4
Paper and allied products	22	20	3.0	2.8	2.6	3.1	4.1	1.7
Printing and publishing	94	84	5.1	4.4	4.3	5.9	6.2	2.2
Chemicals and allied products	50	39	3.6	2.6	3.5	3.5	4.0	1.1
Rubber and miscellaneous plastics products	42	51	4.7	5.2	3.9	3.4	6.4	8.9
Other nondurable goods industries	25	11	7.5	3.0	9.2	3.5	4.4	2.3
Transportation and public utilities	301	214	4.2	2.9	4.1	2.8	4.6	3.1
Transportation	214	150	4.8	3.2	5.0	3.0	4.2	3.7
Communications and other public utilities	87	64	3.2	2.3	2.2	2.2	5.0	2.3
Wholesale and retail trade	1,701	1,751	6.4	6.5	5.6	5.7	7.3	7.3
Wholesale trade	195	128	4.1	2.7	3.3	1.9	6.0	4.6
Retail trade	1,506	1,624	6.9	7.3	6.3	6.9	7.4	7.6
Finance, insurance, and real estate	203	194	2.7	2.5	3.8	2.9	2.0	2.3
Service industries	1,687	1,606	5.2	4.8	5.3	5.1	5.1	4.6
Professional services	660	633	3.4	3.2	3.0	3.1	3.6	3.3
Other service industries	1,028	973	7.7	7.2	7.2	6.8	8.2	7.6
Agricultural wage and salary workers	168	191	7.2	7.9	7.2	7.7	7.0	8.7
Government, self-employed, and unpaid family workers	856	932	2.9	3.1	2.5	3.1	3.3	3.2
No previous work experience	882	814	-	-	-	-	-	-

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-29. Unemployed persons by reason for unemployment, sex, age, and race

(Numbers in thousands)

Reason	Total, 16 years and over		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
NUMBER OF UNEMPLOYED												
Total unemployed	7,377	7,094	2,964	2,721	2,741	2,645	1,672	1,728	5,327	4,994	1,686	1,751
Job losers and persons who completed temporary jobs	3,116	2,878	1,851	1,565	1,134	1,143	131	170	2,389	2,133	605	617
On temporary layoff	853	788	467	391	350	336	36	61	710	638	107	126
Not on temporary layoff	2,262	2,090	1,384	1,174	784	807	95	109	1,680	1,496	497	491
Permanent job losers	1,670	1,448	1,034	794	574	590	62	64	1,256	1,036	354	330
Persons who completed temporary jobs	593	642	349	380	210	217	33	45	423	460	143	161
Job leavers	660	774	254	385	328	279	78	111	512	601	123	142
Reentrants	2,719	2,628	796	694	1,133	1,074	790	860	1,840	1,749	711	746
New entrants	882	814	64	77	145	149	673	587	585	510	247	246
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 and persons who completed temporary jobs	42.2	40.6	62.4	57.5	41.4	43.2	7.8	9.8	44.9	42.7	35.9	35.2
On temporary layoff	11.6	11.1	15.8	14.4	12.8	12.7	2.2	3.5	13.3	12.8	6.4	7.2
Not on temporary layoff	30.7	29.5	46.7	43.1	28.6	30.5	5.7	6.3	31.5	30.0	29.5	28.0
Job leavers	9.0	10.9	8.6	14.1	12.0	10.6	4.7	6.4	9.6	12.0	7.3	8.1
Reentrants	36.9	37.0	26.8	25.5	41.4	40.6	47.2	49.8	34.5	35.0	42.2	42.6
New entrants	12.0	11.5	2.2	2.8	5.3	5.6	40.3	34.0	11.0	10.2	14.7	14.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers and persons who completed temporary jobs	2.3	2.1	2.7	2.2	2.0	1.9	1.5	1.9	2.1	1.8	4.0	4.0
Job leavers .....	.5	.6	.4	.6	.8	.5	.9	1.2	.4	.5	.8	.9
Reentrants	2.0	1.9	1.2	1.0	2.0	1.8	8.8	9.5	1.6	1.5	4.7	4.8
New entrants .....	.7	.6	.1	.1	.3	.3	7.5	6.5	.5	.4	1.6	1.6

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-30. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

Reason, sex, and age	June 1997						
	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	7,094	100.0	45.3	26.7	28.0	13.7	14.3
Job losers and persons who completed temporary jobs	2,878	100.0	42.8	26.5	30.7	15.8	14.9
On temporary layoff	788	100.0	66.5	20.0	13.5	8.0	5.5
Not on temporary layoff	2,090	100.0	33.9	28.9	37.2	18.8	18.4
Permanent job losers	1,448	100.0	28.4	31.3	40.3	20.8	19.5
Persons who completed temporary jobs	642	100.0	46.2	23.4	30.4	14.2	16.1
Job leavers	774	100.0	48.2	29.2	22.6	13.0	9.5
Reentrants	2,628	100.0	43.2	28.2	28.7	13.4	15.2
New entrants	814	100.0	57.8	20.6	21.7	7.8	13.9
Men, 20 years and over	2,721	100.0	40.5	26.8	32.7	15.4	17.3
Job losers and persons who completed temporary jobs	1,565	100.0	41.6	25.2	33.1	16.4	16.8
On temporary layoff	391	100.0	62.0	22.8	15.3	9.6	5.6
Not on temporary layoff	1,174	100.0	34.8	26.0	39.1	18.6	20.5
Permanent job losers	794	100.0	29.6	28.6	43.8	21.8	22.0
Persons who completed temporary jobs	380	100.0	45.8	25.0	29.2	11.9	17.3
Job leavers	385	100.0	42.4	32.9	24.7	15.2	9.4
Reentrants	694	100.0	35.2	27.1	37.6	14.5	23.2
New entrants	77	100.0	53.9	28.9	19.2	3.8	15.4
Women, 20 years and over	2,645	100.0	38.5	28.7	32.8	16.8	16.0
Job losers and persons who completed temporary jobs	1,143	100.0	41.4	28.8	30.0	16.4	13.7
On temporary layoff	336	100.0	72.3	13.8	13.8	7.5	6.4
Not on temporary layoff	807	100.0	28.5	34.7	36.8	20.1	16.7
Permanent job losers	590	100.0	23.3	38.6	38.1	20.5	17.6
Persons who completed temporary jobs	217	100.0	42.8	24.0	33.1	18.9	14.2
Job leavers	279	100.0	42.9	28.4	28.7	15.2	13.5
Reentrants	1,074	100.0	33.9	29.8	36.3	18.7	17.6
New entrants	149	100.0	42.0	21.9	36.1	9.9	26.1
Both sexes, 16 to 19 years	1,728	100.0	63.1	23.5	13.4	6.3	7.1
Job losers and persons who completed temporary jobs	170	100.0	63.4	23.5	13.1	7.4	5.7
On temporary layoff	81	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Not on temporary layoff	109	100.0	63.1	16.5	20.4	11.4	8.9
Permanent job losers	64	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Persons who completed temporary jobs	45	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Job leavers	111	100.0	81.8	18.4	-	-	-
Reentrants	660	100.0	61.2	26.9	11.6	6.0	5.8
New entrants	587	100.0	62.3	19.4	18.4	7.6	10.6

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

controls used in the household survey.

NOTE: Beginning in January 1997, data reflect revised population

A-31. Unemployed total and full-time workers by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
Total, 16 years and over	7,377	7,094	100.0	100.0	6,040	5,867	100.0	100.0
Less than 5 weeks	3,218	3,210	43.6	45.3	2,455	2,526	40.6	43.1
5 to 14 weeks	1,892	1,895	25.8	26.7	1,567	1,530	25.9	26.1
5 to 10 weeks	1,422	1,427	19.3	20.1	1,175	1,122	19.4	19.1
11 to 14 weeks	470	468	6.4	6.6	392	408	6.5	7.0
15 weeks and over	2,267	1,989	30.7	28.0	2,019	1,811	33.4	30.9
15 to 26 weeks	965	973	13.1	13.7	856	878	14.2	15.0
27 weeks and over	1,302	1,016	17.6	14.3	1,163	933	19.3	15.9
27 to 51 weeks	633	460	8.6	6.5	572	428	9.5	7.3
52 weeks and over	669	556	9.1	7.8	591	505	9.8	8.6
Average (mean) duration, in weeks	16.2	14.2	-	-	17.3	15.2	-	-
Median duration, in weeks	6.1	5.8	-	-	7.1	6.5	-	-

NOTE: Beginning in January 1997, data reflect revised population

controls used in the household survey.

A-32. Unemployed persons by age, sex, race, marital status, and duration of unemployment

Sex, age, race, and marital status	June 1997							Average (mean) duration	Median duration
	Thousands of persons								
	Total	Less than 5 weeks	5 to 14 weeks	15 weeks and over					
				Total	15 to 26 weeks	27 weeks and over			
TOTAL									
Total, 16 years and over	7,094	3,210	1,895	1,989	973	1,016	14.2	5.8	
16 to 19 years	1,728	1,090	406	232	110	122	8.3	3.6	
20 to 24 years	1,188	557	382	249	142	107	11.2	5.1	
25 to 34 years	1,548	562	447	539	285	254	15.4	8.4	
35 to 44 years	1,306	543	324	439	202	237	16.8	7.1	
45 to 54 years	828	284	208	336	145	191	20.2	10.2	
55 to 64 years	377	119	101	157	72	84	21.8	10.9	
65 years and over	118	55	26	37	17	20	18.1	5.2	
Men, 16 years and over									
Total	3,693	1,711	967	1,015	479	536	14.0	5.6	
16 to 19 years	972	610	236	125	61	64	8.0	3.6	
20 to 24 years	583	294	185	104	56	48	10.0	4.5	
25 to 34 years	738	277	198	263	140	123	14.8	8.4	
35 to 44 years	670	283	148	239	98	141	18.4	7.3	
45 to 54 years	457	154	113	191	85	106	20.2	10.6	
55 to 64 years	213	58	76	78	33	45	21.9	10.7	
65 years and over	60	35	10	15	6	10	(¹)	(¹)	
Women, 16 years and over									
Total	3,401	1,500	928	973	494	480	14.4	6.0	
16 to 19 years	758	480	170	108	49	58	8.7	3.5	
20 to 24 years	605	283	197	145	86	59	12.4	5.6	
25 to 34 years	810	285	249	278	145	131	15.9	8.4	
35 to 44 years	636	259	176	201	104	97	15.1	6.9	
45 to 54 years	372	131	96	145	60	85	20.2	9.5	
55 to 64 years	164	61	25	79	39	39	21.6	12.0	
65 years and over	59	20	16	22	12	10	(¹)	(¹)	
Race									
White, 16 years and over									
Total	4,994	2,343	1,337	1,314	645	669	13.3	5.3	
Men	2,637	1,253	700	684	328	358	12.9	5.1	
Women	2,358	1,089	637	631	317	314	13.7	5.4	
Black, 16 years and over									
Total	1,751	728	475	550	285	265	15.8	7.3	
Men	866	381	237	248	119	129	15.8	7.1	
Women	885	344	238	302	166	137	15.9	7.6	
Marital status									
Men, 16 years and over:									
Married, spouse present	1,080	404	301	376	180	196	17.1	6.5	
Widowed, divorced, or separated	477	213	104	160	80	80	15.8	6.2	
Single (never married)	2,135	1,094	562	479	219	260	12.0	4.4	
Women, 16 years and over:									
Married, spouse present	1,048	453	305	290	139	151	14.5	6.3	
Widowed, divorced, or separated	663	243	172	247	141	107	16.6	8.6	
Single (never married)	1,691	803	451	436	214	222	13.4	5.1	

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

NOTE: Beginning in January 1997, data reflect revised population

controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-33. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	June 1997							
	Thousands of persons						Weeks	
	Total	Less than 5 weeks	5 to 14 weeks	15 weeks and over			Average (mean) duration	Median duration
				Total	15 to 26 weeks	27 weeks and over		
OCCUPATION								
Managerial and professional specialty	814	360	192	261	119	142	16.0	6.2
Technical, sales, and administrative support	1,776	759	507	509	296	213	13.8	6.6
Service occupations	1,352	638	379	335	152	184	13.7	5.3
Precision production, craft, and repair	640	261	182	196	103	93	13.7	6.6
Operators, fabricators, and laborers	1,395	556	404	435	210	224	15.5	7.0
Farming, forestry, and fishing	275	155	55	66	23	42	11.8	4.0
INDUSTRY¹								
Agriculture	191	104	41	46	24	22	10.1	4.1
Construction	506	228	136	142	76	65	13.7	5.8
Manufacturing	885	322	249	314	145	168	16.8	8.2
Durable goods	416	148	118	149	76	73	17.1	9.0
Nondurable goods	470	174	131	165	70	95	16.6	7.3
Transportation and public utilities	259	78	82	99	52	47	18.4	8.6
Wholesale and retail trade	1,763	795	527	442	253	188	12.4	5.9
Finance, insurance, and real estate	207	31	80	95	64	31	18.7	13.4
Services	1,995	966	513	516	240	276	14.1	5.0
Public administration	129	54	31	43	14	30	16.9	7.3
No previous work experience	814	470	167	177	63	113	12.6	3.9

¹ Includes wage and salary workers only.

used in the household survey.

NOTE: Beginning in January 1997, data reflect revised population controls

A-34. Persons not in the labor force by desire and availability for work, age, and sex

(In thousands)

Category	Total		Age						Sex			
	June 1996	June 1997	16 to 24 years		25 to 54 years		55 years and over		Men		Women	
			June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
	Total not in the labor force	65,376	65,443	9,431	9,612	19,170	18,772	36,775	37,058	22,974	23,337	42,402	42,106
Do not want a job now ¹	59,333	60,118	6,945	7,320	16,498	16,506	35,890	36,292	20,575	21,082	38,758	39,036
Want a job ¹	6,043	5,325	2,486	2,292	2,673	2,266	885	767	2,400	2,255	3,644	3,070
Did not search for work in previous year	3,406	3,081	1,348	1,268	1,421	1,246	637	567	1,290	1,228	2,117	1,853
Searched for work in previous year ²	2,637	2,243	1,137	1,024	1,252	1,020	248	200	1,110	1,026	1,527	1,217
Not available to work now	953	816	505	516	389	271	59	29	392	343	560	473
Available to work now	1,684	1,428	633	508	863	749	189	171	718	683	967	744
Reason not currently looking:												
Discouragement over job prospects ³	414	353	116	117	244	172	54	64	229	200	185	152
Reasons other than discouragement	1,270	1,075	517	392	619	576	134	107	489	483	781	592
Family responsibilities	228	159	66	25	146	120	17	14	47	36	180	123
In school or training	252	177	216	141	36	36	-	-	137	97	115	81
Ill health or disability	94	99	11	22	57	65	26	12	41	44	53	55
Other ⁴	696	640	225	204	380	356	92	81	264	306	433	334

¹ Includes some persons who are not asked if they want a job.

² Persons who had a job in the prior 12 months must have searched since the end of that job.

³ Includes believes no work available, could not find work, lacks necessary schooling or training, employer thinks too young or old, and other types of discrimination.

⁴ Includes those who did not actively look for work in the prior 4 weeks for such reasons as child care and transportation problems, as well as a small number for which reason for nonparticipation was not ascertained.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

A-35. Multiple jobholders by selected demographic and economic characteristics

(Numbers in thousands)

Characteristic	Both sexes				Men				Women			
	Number		Rate ¹		Number		Rate ¹		Number		Rate ¹	
	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997	June 1996	June 1997
AGE												
Total, 16 years and over ²	7,692	8,214	6.0	6.3	4,206	4,513	6.1	6.4	3,486	3,700	6.0	6.2
16 to 19 years	491	512	6.7	6.9	222	218	5.8	5.8	269	294	7.7	8.2
20 years and over	7,201	7,702	6.0	6.3	3,984	4,295	6.1	6.4	3,217	3,407	5.9	6.1
20 to 24 years	845	859	6.7	6.7	420	451	6.3	6.5	425	408	7.3	6.9
25 years and over	6,356	6,843	5.9	6.2	3,563	3,844	6.1	6.4	2,792	2,999	5.7	6.0
25 to 54 years	5,681	6,114	6.1	6.5	3,153	3,415	6.3	6.7	2,528	2,699	6.0	6.2
55 years and over	675	729	4.4	4.6	410	429	4.7	4.8	264	300	4.0	4.3
55 to 64 years	547	614	4.7	5.1	312	347	4.8	5.2	235	267	4.6	4.9
65 years and over	127	115	3.5	3.1	98	83	4.5	3.7	29	33	1.9	2.2
RACE AND HISPANIC ORIGIN												
White	6,785	7,172	6.2	6.5	3,724	3,950	6.2	6.5	3,061	3,222	6.3	6.4
Black	647	734	4.8	5.3	349	405	5.4	6.1	298	329	4.2	4.5
Hispanic origin	444	516	3.8	4.0	254	330	3.6	4.2	190	186	4.3	3.8
MARITAL STATUS												
Married, spouse present	4,209	4,519	5.6	6.0	2,651	2,811	6.2	6.6	1,559	1,708	4.8	5.3
Widowed, divorced, or separated	1,248	1,349	6.5	6.6	448	506	5.8	5.9	801	843	7.0	7.0
Single (never married)	2,234	2,346	6.6	6.7	1,108	1,196	5.9	6.1	1,127	1,149	7.6	7.4
FULL- OR PART-TIME STATUS												
Primary job full time, secondary job part time	4,345	4,573	-	-	2,547	2,795	-	-	1,798	1,779	-	-
Primary and secondary jobs both part time	1,562	1,687	-	-	511	530	-	-	1,051	1,157	-	-
Primary and secondary jobs both full time	237	299	-	-	167	228	-	-	71	71	-	-
Hours vary on primary or secondary job	1,494	1,625	-	-	960	949	-	-	533	676	-	-

¹ Multiple jobholders as a percent of all employed persons in specified group.

² Includes a small number of persons who work part time on their primary job and full time on their secondary jobs(s), not shown separately.

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. Beginning in January 1997, data reflect revised population controls used in the household survey.

A-36. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	June 1996	June 1997	Total		Employed		Unemployed			
			June 1996	June 1997	June 1996	June 1997	Number		Percent of labor force	
							June 1996	June 1997	June 1996	June 1997
VIETNAM-ERA VETERANS										
Total, 40 years and over	7,726	7,810	6,658	6,746	6,486	6,543	172	203	2.6	3.0
40 to 54 years	6,463	6,318	5,891	5,753	5,729	5,570	162	183	2.7	3.2
40 to 44 years	1,260	1,046	1,129	956	1,104	917	25	39	2.2	4.1
45 to 49 years	3,020	2,715	2,793	2,482	2,701	2,412	92	70	3.3	2.8
50 to 54 years	2,183	2,557	1,970	2,314	1,924	2,241	46	73	2.3	3.2
55 years and over	1,263	1,492	766	994	757	973	10	21	1.3	2.1
NONVETERANS										
Total, 40 to 54 years	18,346	19,451	16,601	17,678	15,992	17,135	608	543	3.7	3.1
40 to 44 years	8,565	8,945	7,906	8,239	7,588	7,994	318	245	4.0	3.0
45 to 49 years	5,865	6,157	5,318	5,641	5,132	5,432	186	209	3.5	3.7
50 to 54 years	3,916	4,349	3,377	3,798	3,272	3,709	105	89	3.1	2.3

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

January 1997, data reflect revised population controls used in the household survey.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

B-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988	34.7	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989	34.6	9.66	334.24	43.0	13.26	570.18	37.9	13.54	513.17
1990	34.5	10.01	345.35	44.1	13.68	603.29	38.2	13.77	526.01
1991	34.3	10.32	353.98	44.4	14.19	630.04	38.1	14.00	533.40
1992	34.4	10.57	363.61	43.9	14.54	638.31	38.0	14.15	537.70
1993	34.5	10.83	373.64	44.3	14.60	646.78	38.5	14.38	553.63
1994	34.7	11.12	385.86	44.8	14.88	666.62	38.9	14.73	573.00
1995	34.5	11.43	394.34	44.7	15.30	683.91	38.9	15.09	587.00
1996	34.4	11.81	406.26	45.3	15.61	707.13	39.0	15.46	602.94
Monthly data, not seasonally adjusted									
1996:									
June	34.9	\$11.75	\$410.08	46.0	\$15.58	\$716.68	39.6	\$15.34	\$607.46
July	34.6	11.73	405.86	44.8	15.54	696.19	39.8	15.51	617.30
August	34.8	11.76	409.25	45.3	15.51	702.60	39.9	15.57	621.24
September	34.9	11.95	417.06	45.9	15.73	722.01	39.7	15.75	625.28
October	34.5	11.95	412.28	45.9	15.54	713.29	39.9	15.75	628.43
November	34.5	12.00	414.00	45.5	15.67	712.99	38.8	15.62	606.06
December	34.9	12.06	420.89	46.0	15.95	733.70	38.8	15.66	604.48
1997:									
January	33.9	12.11	410.53	44.2	16.18	715.16	36.4	15.73	572.57
February	34.5	12.14	418.83	45.6	16.06	732.34	37.5	15.69	586.38
March	34.6	12.17	421.08	45.7	15.98	730.29	38.4	15.67	601.73
April	34.4	12.17	418.65	45.1	16.05	723.86	38.7	15.75	609.53
May ^p	34.5	12.16	419.52	45.9	16.00	734.40	39.7	15.83	628.45
June ^p	34.9	12.16	424.38	45.7	16.19	739.88	39.5	15.86	626.47

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

B-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date—Continued

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
	Annual averages									
1964	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.08
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	2.87	115.66
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.90
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	3.43	136.86
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.42
1972	40.5	3.82	3.66	154.71	40.4	4.85	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.54
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	169.94
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
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	38.4	6.95	266.88
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.68
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.46
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.79
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.88
1985	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.36
1986	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.72
1987	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988	41.1	10.19	9.73	418.81	38.2	12.24	467.57	38.1	9.98	380.24
1989	41.0	10.48	10.02	429.68	38.3	12.57	481.43	38.0	10.39	394.82
1990	40.8	10.83	10.37	441.86	38.4	12.92	496.13	38.1	10.79	411.10
1991	40.7	11.18	10.71	455.03	38.1	13.20	502.92	38.1	11.15	424.82
1992	41.0	11.46	10.95	469.86	38.3	13.43	514.37	38.2	11.39	435.10
1993	41.4	11.74	11.18	486.04	39.3	13.55	532.52	38.2	11.74	448.47
1994	42.0	12.07	11.43	506.94	39.7	13.78	547.07	38.4	12.06	463.10
1995	41.6	12.37	11.74	514.59	39.4	14.13	556.72	38.3	12.43	476.07
1996	41.6	12.78	12.12	531.65	39.6	14.44	571.82	38.3	12.87	492.92
	Monthly data, not seasonally adjusted									
1996:										
June	41.9	\$12.75	\$12.10	\$534.23	40.1	\$14.40	\$577.44	38.8	\$12.88	\$499.74
July	41.1	12.79	12.16	525.67	39.7	14.44	573.27	38.1	12.82	488.44
August	41.8	12.79	12.11	534.62	40.0	14.48	579.20	38.4	12.85	493.44
September	42.3	12.90	12.17	545.67	40.3	14.57	587.17	38.6	13.03	502.96
October	41.9	12.83	12.15	537.58	39.7	14.49	575.25	38.3	12.94	495.60
November	42.1	12.93	12.23	544.35	39.8	14.57	579.89	38.3	13.06	500.20
December	42.8	13.07	12.34	559.40	39.9	14.60	582.54	38.7	13.20	510.84
1997:										
January	41.5	13.04	12.38	541.16	38.8	14.71	570.75	37.9	13.18	499.52
February	41.6	13.02	12.36	541.63	39.5	14.66	579.07	38.5	13.26	510.51
March	42.0	13.08	12.39	549.36	39.5	14.70	580.65	38.5	13.28	511.28
April	41.8	13.09	12.40	547.16	39.2	14.77	578.98	38.3	13.33	510.54
May ^p	41.9	13.09	12.40	548.47	39.3	14.73	578.89	38.5	13.29	511.67
June ^p	42.0	13.11	12.42	550.62	39.6	14.72	582.91	38.9	13.32	518.15

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

B-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date—Continued

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	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	9.06	325.25	32.6	8.88	289.49
1989	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990	28.8	6.75	194.40	35.8	9.97	356.93	32.5	9.83	319.48
1991	28.6	6.94	198.48	35.7	10.39	370.92	32.4	10.23	331.45
1992	28.8	7.12	205.06	35.8	10.82	387.36	32.5	10.54	342.55
1993	28.8	7.29	209.95	35.8	11.35	406.33	32.5	10.78	350.35
1994	28.9	7.49	216.46	35.8	11.83	423.51	32.5	11.04	358.80
1995	28.8	7.69	221.47	35.9	12.32	442.29	32.4	11.39	369.04
1996	28.8	7.99	230.11	35.9	12.79	459.16	32.4	11.79	382.00
Monthly data, not seasonally adjusted									
1996:									
June	29.4	\$7.98	\$234.61	36.5	\$12.75	\$465.38	32.8	\$11.66	\$382.45
July	29.4	7.93	233.14	35.6	12.69	451.76	32.5	11.60	377.00
August	29.5	7.95	234.53	35.7	12.71	453.75	32.7	11.63	380.30
September	29.1	8.06	234.55	36.5	12.69	470.49	32.6	11.89	387.61
October	28.7	8.12	233.04	35.7	12.87	459.46	32.4	11.93	366.53
November	28.6	8.13	232.52	35.8	12.97	464.33	32.4	12.04	390.10
December	29.3	8.16	239.09	36.7	13.02	477.83	32.7	12.16	397.63
1997:									
January	28.0	8.24	230.72	35.7	12.99	463.74	32.0	12.19	390.08
February	28.7	8.24	236.49	36.7	13.15	482.61	32.7	12.24	400.25
March	28.7	8.27	237.35	36.5	13.20	481.80	32.6	12.24	399.02
April	28.6	8.28	236.81	35.9	13.09	469.93	32.4	12.20	395.28
May ^p	28.9	8.27	239.00	35.9	13.16	472.44	32.4	12.16	393.98
June ^p	29.5	8.27	243.97	36.8	13.20	485.76	32.8	12.14	398.19

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 1996 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1996 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-3. Employees on nonfarm payrolls by major industry and selected component groups, seasonally adjusted

(In thousands)

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Total	119,516	119,691	119,983	120,019	120,248	120,450	120,659	120,909	121,162	121,344	121,671	121,837	122,054
Total private	100,079	100,236	100,433	100,506	100,759	100,956	101,145	101,380	101,615	101,799	102,092	102,272	102,423
Goods-producing	24,453	24,433	24,468	24,439	24,479	24,508	24,540	24,581	24,653	24,670	24,667	24,701	24,713
Mining	577	574	574	571	570	571	571	574	574	572	573	576	576
Metal mining	54	54	54	54	54	54	54	55	54	54	54	54	54
Coal mining	97	97	96	95	95	94	94	94	93	93	93	93	92
Oil and gas extraction	320	317	318	316	315	316	316	317	319	317	319	322	322
Nonmetallic minerals, except fuels	106	106	106	106	106	107	107	108	108	108	107	107	108
Construction	5,408	5,417	5,433	5,441	5,467	5,495	5,521	5,542	5,604	5,609	5,599	5,625	5,623
General building contractors	1,260	1,258	1,261	1,259	1,265	1,272	1,281	1,287	1,298	1,298	1,297	1,299	1,299
Heavy construction, except building	775	773	774	771	771	773	772	774	791	777	767	777	765
Special trade contractors	3,373	3,386	3,398	3,411	3,431	3,450	3,468	3,481	3,515	3,534	3,535	3,549	3,559
Manufacturing	18,468	18,442	18,461	18,427	18,442	18,442	18,448	18,465	18,475	18,489	18,495	18,500	18,514
Durable goods	10,778	10,766	10,788	10,771	10,780	10,791	10,803	10,821	10,836	10,848	10,856	10,866	10,883
Lumber and wood products	781	781	783	782	785	787	788	789	793	797	799	801	798
Furniture and fixtures	503	503	502	503	503	504	505	506	507	507	506	508	509
Stone, clay, and glass products	540	540	540	541	542	541	543	543	543	542	541	540	539
Primary metal industries	713	706	712	711	707	708	707	708	708	709	710	707	708
Fabricated metal products	1,445	1,449	1,451	1,452	1,455	1,457	1,458	1,460	1,462	1,463	1,468	1,469	1,468
Industrial machinery and equipment	2,113	2,113	2,114	2,108	2,115	2,115	2,119	2,126	2,132	2,136	2,142	2,143	2,146
Computer and office equipment	364	362	364	364	364	365	366	367	370	372	375	376	375
Electronic and other electrical equipment	1,653	1,655	1,654	1,652	1,650	1,649	1,647	1,645	1,645	1,645	1,643	1,644	1,649
Electronic components and accessories	611	613	612	610	609	609	609	610	612	614	618	622	625
Transportation equipment	1,787	1,778	1,791	1,783	1,783	1,790	1,793	1,802	1,804	1,810	1,804	1,813	1,823
Motor vehicles and equipment	974	960	968	965	959	960	961	966	964	969	957	964	965
Aircraft and parts	452	458	459	461	470	475	479	483	487	491	495	498	504
Instruments and related products	856	854	855	854	855	854	856	854	854	853	855	854	858
Miscellaneous manufacturing	387	387	386	385	385	386	387	388	388	386	388	387	385
Nondurable goods	7,690	7,676	7,673	7,656	7,662	7,651	7,645	7,644	7,639	7,641	7,639	7,634	7,631
Food and kindred products	1,689	1,684	1,685	1,682	1,684	1,688	1,689	1,695	1,694	1,698	1,699	1,693	1,693
Tobacco products	41	41	40	41	42	42	42	41	42	42	41	41	41
Textile mill products	625	623	621	618	620	616	615	615	612	612	609	608	608
Apparel and other textile products	866	863	857	853	849	844	840	835	831	827	822	819	816
Paper and allied products	680	677	678	678	679	679	678	678	678	677	677	677	676
Printing and publishing	1,538	1,537	1,537	1,536	1,539	1,535	1,534	1,534	1,534	1,535	1,541	1,545	1,551
Chemicals and allied products	1,032	1,031	1,032	1,029	1,029	1,028	1,028	1,028	1,028	1,028	1,028	1,029	1,027
Petroleum and coal products	142	142	142	141	141	141	140	139	139	140	140	139	138
Rubber and misc. plastics products	980	982	986	984	985	985	985	985	987	988	988	989	989
Leather and leather products	97	96	95	94	94	93	94	94	94	94	93	93	92
Service-producing	95,063	95,258	95,515	95,580	95,769	95,942	96,119	96,328	96,509	96,674	97,004	97,136	97,341
Transportation and public utilities	6,270	6,296	6,299	6,290	6,293	6,303	6,288	6,351	6,376	6,405	6,421	6,426	6,431
Transportation	4,047	4,073	4,075	4,066	4,072	4,078	4,065	4,121	4,142	4,164	4,179	4,183	4,194
Railroad transportation	231	230	230	230	230	229	228	228	227	226	225	226	226
Local and interurban passenger transit	439	448	448	444	445	447	449	452	453	455	460	457	459
Trucking and warehousing	1,651	1,659	1,656	1,651	1,648	1,649	1,642	1,656	1,664	1,671	1,676	1,686	1,691
Water transportation	173	173	174	173	173	173	173	175	175	175	177	174	175
Transportation by air	1,122	1,131	1,134	1,134	1,140	1,142	1,133	1,168	1,178	1,191	1,192	1,192	1,192
Pipelines, except natural gas	15	15	14	14	14	14	14	14	14	14	14	14	14
Transportation services	416	417	419	420	422	424	426	428	431	432	435	434	437
Communications and public utilities	2,223	2,223	2,224	2,224	2,221	2,225	2,223	2,230	2,234	2,241	2,242	2,243	2,237
Communications	1,338	1,341	1,344	1,345	1,343	1,347	1,347	1,354	1,358	1,364	1,369	1,371	1,368
Electric, gas, and sanitary services	885	882	880	879	878	878	876	876	876	877	873	872	869
Wholesale trade	6,469	6,481	6,497	6,513	6,538	6,549	6,559	6,570	6,593	6,611	6,622	6,630	6,631
Durable goods	3,798	3,806	3,816	3,826	3,837	3,847	3,855	3,863	3,879	3,889	3,900	3,909	3,912
Nondurable goods	2,671	2,675	2,681	2,687	2,701	2,702	2,704	2,707	2,714	2,722	2,722	2,721	2,719

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-3. Employees on nonfarm payrolls by major industry and selected component groups, seasonally adjusted—Continued

(In thousands)

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Retail trade	21,600	21,651	21,692	21,718	21,791	21,847	21,912	21,917	21,922	21,945	22,029	22,020	22,078
Building materials and garden supplies	890	894	896	901	905	909	914	914	918	922	931	931	926
General merchandise stores	2,726	2,731	2,737	2,739	2,756	2,761	2,769	2,757	2,752	2,783	2,799	2,788	2,795
Department stores	2,390	2,394	2,401	2,403	2,416	2,418	2,425	2,420	2,416	2,452	2,446	2,454	2,452
Food stores	3,427	3,439	3,445	3,445	3,458	3,467	3,468	3,474	3,477	3,478	3,480	3,479	3,489
Automotive dealers and service stations	2,270	2,278	2,284	2,289	2,295	2,300	2,304	2,307	2,311	2,315	2,319	2,314	2,313
New and used car dealers	1,033	1,036	1,038	1,040	1,043	1,045	1,048	1,051	1,053	1,055	1,055	1,053	1,056
Apparel and accessory stores	1,099	1,101	1,101	1,101	1,107	1,107	1,106	1,107	1,103	1,104	1,105	1,099	1,099
Furniture and home furnishings stores	963	969	994	998	1,003	1,010	1,021	1,020	1,022	1,025	1,026	1,032	1,033
Eating and drinking places	7,499	7,505	7,510	7,509	7,516	7,530	7,551	7,552	7,556	7,525	7,571	7,573	7,601
Miscellaneous retail establishments	2,706	2,714	2,725	2,736	2,751	2,763	2,779	2,786	2,783	2,793	2,798	2,804	2,822
Finance, insurance, and real estate	6,897	6,910	6,917	6,925	6,941	6,949	6,962	6,971	6,980	6,992	7,019	7,031	7,043
Finance	3,298	3,305	3,313	3,317	3,330	3,334	3,343	3,351	3,355	3,366	3,381	3,391	3,402
Depository institutions	2,022	2,023	2,022	2,023	2,028	2,029	2,030	2,032	2,034	2,037	2,041	2,046	2,051
Commercial banks	1,464	1,466	1,466	1,468	1,472	1,473	1,475	1,478	1,479	1,482	1,486	1,491	1,494
Savings institutions	264	263	262	259	259	257	256	255	255	254	253	253	253
Nondepository institutions	516	519	523	525	528	530	532	533	530	534	539	542	545
Mortgage bankers and brokers	231	232	234	235	236	238	240	239	241	242	243	243	243
Security and commodity brokers	551	553	557	558	562	564	568	572	576	579	583	585	585
Holding and other investment offices	209	210	211	211	212	211	213	214	215	216	218	218	221
Insurance	2,219	2,220	2,217	2,220	2,219	2,220	2,221	2,218	2,219	2,217	2,221	2,222	2,225
Insurance carriers	1,512	1,513	1,510	1,510	1,508	1,507	1,507	1,505	1,503	1,500	1,502	1,504	1,507
Insurance agents, brokers, and service	707	707	707	710	711	713	714	713	716	717	719	718	718
Real estate	1,380	1,385	1,387	1,388	1,392	1,395	1,398	1,402	1,406	1,409	1,417	1,418	1,416
Services¹	34,390	34,465	34,560	34,621	34,717	34,800	34,884	34,990	35,091	35,176	35,334	35,464	35,527
Agricultural services	625	628	631	630	635	639	638	647	649	648	664	667	669
Hotels and other lodging places	1,731	1,718	1,718	1,722	1,726	1,731	1,738	1,743	1,746	1,746	1,756	1,768	1,765
Personal services	1,184	1,184	1,187	1,189	1,193	1,194	1,194	1,195	1,197	1,196	1,193	1,202	1,203
Business services	7,252	7,288	7,330	7,354	7,379	7,398	7,437	7,476	7,521	7,577	7,594	7,607	7,635
Services to buildings	898	898	898	898	899	896	895	893	897	896	902	903	902
Personnel supply services	2,663	2,683	2,699	2,706	2,711	2,706	2,721	2,743	2,758	2,787	2,752	2,745	2,750
Help supply services	2,359	2,376	2,392	2,398	2,398	2,391	2,406	2,427	2,432	2,457	2,419	2,410	2,408
Computer and data processing services	1,199	1,209	1,218	1,226	1,236	1,246	1,256	1,268	1,278	1,291	1,306	1,322	1,333
Auto repair, services, and parking	1,079	1,087	1,094	1,097	1,104	1,107	1,112	1,117	1,123	1,126	1,132	1,136	1,134
Miscellaneous repair services	375	375	376	377	376	380	380	380	379	380	382	384	383
Motion pictures	524	527	526	530	529	528	530	530	532	529	528	529	528
Amusement and recreation services	1,466	1,472	1,474	1,471	1,478	1,481	1,483	1,490	1,495	1,494	1,503	1,540	1,554
Health services	9,466	9,478	9,493	9,514	9,532	9,552	9,567	9,586	9,600	9,612	9,644	9,671	9,679
Offices and clinics of medical doctors	1,679	1,682	1,687	1,691	1,695	1,700	1,703	1,713	1,720	1,721	1,728	1,738	1,740
Nursing and personal care facilities	1,733	1,735	1,737	1,739	1,742	1,745	1,747	1,750	1,751	1,753	1,760	1,764	1,762
Hospitals	3,809	3,812	3,813	3,823	3,829	3,834	3,839	3,841	3,846	3,852	3,857	3,864	3,872
Home health care facilities	666	665	667	668	670	674	673	677	676	678	684	682	682
Legal services	929	931	933	933	936	939	940	942	943	946	951	953	957
Educational services	2,021	2,034	2,031	2,022	2,035	2,041	2,040	2,042	2,046	2,047	2,062	2,063	2,051
Social services	2,406	2,411	2,415	2,422	2,422	2,425	2,428	2,432	2,438	2,445	2,458	2,468	2,477
Child day care services	569	570	572	573	576	576	575	578	579	580	581	587	592
Residential care	671	674	677	678	679	681	683	684	686	690	694	696	699
Museums and botanical and zoological gardens	85	85	85	85	86	86	87	87	87	87	87	87	87
Membership organizations	2,187	2,183	2,191	2,188	2,189	2,190	2,191	2,192	2,192	2,193	2,199	2,200	2,203
Engineering and management services	2,845	2,849	2,860	2,872	2,882	2,894	2,906	2,916	2,927	2,934	2,965	2,972	2,986
Engineering and architectural services	841	838	841	845	848	852	854	857	862	866	869	870	877
Management and public relations	870	874	879	886	892	904	911	913	919	923	936	940	946
Government	19,437	19,455	19,550	19,513	19,489	19,494	19,514	19,529	19,547	19,545	19,579	19,565	19,631
Federal	2,757	2,752	2,743	2,740	2,732	2,732	2,728	2,723	2,716	2,709	2,708	2,697	2,681
Federal, except Postal Service	1,904	1,897	1,889	1,884	1,879	1,874	1,870	1,862	1,861	1,856	1,856	1,845	1,832
State	4,629	4,625	4,637	4,640	4,618	4,620	4,621	4,621	4,624	4,622	4,635	4,638	4,642
Education	1,928	1,931	1,937	1,941	1,922	1,925	1,927	1,928	1,931	1,929	1,938	1,943	1,954
Other State government	2,701	2,694	2,700	2,699	2,696	2,695	2,694	2,693	2,693	2,693	2,697	2,695	2,688
Local	12,051	12,078	12,170	12,133	12,139	12,142	12,165	12,185	12,207	12,214	12,238	12,230	12,308
Education	6,736	6,767	6,837	6,796	6,797	6,807	6,815	6,831	6,849	6,853	6,858	6,855	6,904
Other local government	5,315	5,311	5,333	5,337	5,342	5,335	5,350	5,354	5,358	5,361	5,378	5,375	5,404

¹ Includes other industries, not shown separately.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from

March 1996 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1993 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1996									1997			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total	57,509	57,679	57,795	57,924	58,057	58,118	58,242	58,340	58,464	58,539	58,618	58,740	58,904
Total private	46,837	46,987	47,094	47,198	47,268	47,338	47,473	47,564	47,661	47,729	47,791	47,907	48,048
Goods-producing	6,615	6,619	6,616	6,618	6,613	6,604	6,612	6,613	6,619	6,621	6,618	6,622	6,632
Mining	80	80	80	79	78	78	78	78	78	78	78	78	78
Construction	598	601	604	607	608	607	610	613	615	616	618	619	624
Manufacturing	5,937	5,938	5,932	5,932	5,927	5,919	5,924	5,922	5,926	5,927	5,922	5,925	5,930
Durable goods	2,828	2,831	2,836	2,837	2,841	2,838	2,842	2,845	2,849	2,856	2,857	2,861	2,867
Lumber and wood products	132	133	134	134	135	135	136	136	136	137	137	137	138
Furniture and fixtures	157	157	157	158	158	158	157	158	158	158	158	159	159
Stone, clay, and glass products	102	102	102	101	101	101	102	101	102	102	102	102	102
Primary metal industries	101	101	102	100	101	101	101	101	101	101	102	102	102
Fabricated metal products	315	317	317	319	319	320	321	321	322	323	322	322	324
Industrial machinery and equipment	454	455	456	457	457	456	458	459	461	463	465	467	469
Electronic and other electrical equipment	685	684	684	685	683	682	680	680	679	678	677	677	677
Transportation equipment	360	360	362	362	366	365	367	369	370	373	374	376	377
Instruments and related products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Miscellaneous manufacturing	172	172	172	172	172	171	171	171	171	172	172	171	171
Non-durable goods	3,109	3,107	3,096	3,095	3,086	3,081	3,082	3,077	3,077	3,071	3,065	3,064	3,063
Food and kindred products	557	559	554	551	553	553	554	555	557	558	557	558	558
Tobacco products	13	13	13	13	12	13	13	13	13	13	13	13	12
Textile mill products	292	292	291	290	289	287	288	287	288	287	286	286	285
Apparel and other textile products	653	648	643	647	635	634	632	628	625	621	617	614	611
Paper and allied products	164	164	164	164	164	164	164	164	165	164	164	164	164
Printing and publishing	691	692	693	693	695	693	694	693	692	691	691	690	694
Chemicals and allied products	329	328	327	327	327	326	327	326	326	326	326	327	327
Petroleum and coal products	24	24	24	24	24	25	24	25	25	25	25	25	25
Rubber and misc. plastics products	332	333	333	334	335	335	335	335	335	335	336	336	337
Leather and leather products	54	54	54	52	52	51	51	51	51	51	50	51	50
Service-producing	50,894	51,060	51,179	51,306	51,444	51,514	51,630	51,727	51,845	51,918	52,000	52,118	52,272
Transportation and public utilities	1,902	1,906	1,913	1,918	1,920	1,920	1,916	1,921	1,905	1,927	1,931	1,936	1,941
Wholesale trade	1,983	1,986	1,993	1,997	2,005	2,013	2,019	2,023	2,025	2,033	2,036	2,043	2,045
Retail trade	11,301	11,350	11,378	11,409	11,420	11,436	11,485	11,513	11,550	11,536	11,523	11,562	11,603
Finance, insurance, and real estate	4,331	4,348	4,351	4,359	4,362	4,368	4,377	4,383	4,392	4,395	4,400	4,406	4,418
Services	20,705	20,778	20,843	20,897	20,948	20,997	21,064	21,111	21,170	21,217	21,283	21,338	21,409
Government	10,672	10,692	10,701	10,726	10,789	10,780	10,769	10,776	10,803	10,810	10,827	10,833	10,856
Federal	1,169	1,167	1,163	1,161	1,158	1,156	1,155	1,157	1,165	1,155	1,151	1,149	1,147
State	2,335	2,333	2,334	2,335	2,339	2,340	2,340	2,342	2,342	2,341	2,348	2,350	2,354
Local	7,168	7,192	7,204	7,230	7,292	7,284	7,274	7,277	7,296	7,314	7,328	7,334	7,355

¹ This series is not published seasonally adjusted because the seasonal component, which is small relative to the trend-cycle and irregular components, cannot be separated with sufficient precision.

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1993 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-5. Production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Total private	82,006	82,151	82,297	82,353	82,586	82,726	82,892	83,043	83,318	83,476	83,664	83,858	83,919
Goods-producing	17,363	17,354	17,382	17,362	17,385	17,420	17,451	17,495	17,578	17,561	17,542	17,594	17,580
Mining	429	428	427	425	425	427	427	430	432	432	432	437	436
Construction	4,183	4,193	4,206	4,214	4,229	4,256	4,281	4,307	4,384	4,358	4,336	4,360	4,346
Manufacturing	12,751	12,735	12,749	12,723	12,731	12,737	12,743	12,758	12,762	12,771	12,774	12,797	12,798
Durable goods	7,376	7,369	7,389	7,372	7,379	7,390	7,398	7,417	7,427	7,437	7,440	7,461	7,488
Lumber and wood products	642	641	644	641	646	648	650	652	652	656	658	660	658
Furniture and fixtures	397	398	398	398	397	398	399	400	401	402	402	403	404
Stone, clay, and glass products	420	420	421	421	423	422	423	423	424	422	420	420	420
Primary metal industries	556	549	555	554	552	552	552	553	553	553	553	552	553
Fabricated metal products	1,086	1,089	1,092	1,093	1,094	1,096	1,097	1,099	1,101	1,103	1,107	1,107	1,108
Industrial machinery and equipment	1,318	1,318	1,319	1,314	1,319	1,320	1,324	1,331	1,336	1,342	1,349	1,350	1,350
Electronic and other electrical equipment	1,052	1,054	1,052	1,049	1,046	1,045	1,043	1,042	1,043	1,043	1,041	1,043	1,047
Transportation equipment	1,210	1,208	1,215	1,209	1,209	1,216	1,216	1,222	1,222	1,225	1,220	1,235	1,237
Motor vehicles and equipment	770	760	764	762	757	758	759	762	759	761	752	762	766
Instruments and related products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Miscellaneous manufacturing	273	272	271	271	271	271	272	273	273	271	271	272	271
Nondurable goods	5,375	5,366	5,360	5,351	5,352	5,347	5,345	5,341	5,335	5,334	5,334	5,336	5,330
Food and kindred products	1,251	1,248	1,247	1,246	1,249	1,252	1,256	1,260	1,257	1,261	1,263	1,257	1,257
Tobacco products	32	32	31	32	32	33	32	32	32	32	31	31	31
Textile mill products	528	526	525	524	525	522	522	522	519	519	517	516	516
Apparel and other textile products	709	709	701	698	694	690	686	683	680	675	671	670	667
Paper and allied products	515	514	515	516	517	517	517	517	517	516	516	517	517
Printing and publishing	839	839	839	837	838	837	836	834	834	834	839	846	846
Chemicals and allied products	575	572	572	571	570	569	568	567	567	567	567	568	565
Petroleum and coal products	92	92	92	92	92	92	92	91	92	92	92	92	92
Rubber and misc. plastics products	760	761	765	763	763	764	763	763	765	766	767	768	769
Leather and leather products	74	73	73	72	72	71	73	72	72	72	71	71	70
Service-producing	64,643	64,797	64,915	64,991	65,201	65,306	65,441	65,548	65,740	65,915	66,122	66,264	66,339
Transportation and public utilities	5,279	5,295	5,299	5,297	5,302	5,308	5,298	5,349	5,372	5,397	5,412	5,416	5,407
Wholesale trade	5,228	5,234	5,248	5,263	5,284	5,292	5,296	5,307	5,323	5,340	5,339	5,344	5,340
Retail trade	19,006	19,046	19,072	19,094	19,180	19,216	19,277	19,282	19,298	19,338	19,384	19,388	19,411
Finance, insurance, and real estate	5,035	5,044	5,049	5,055	5,066	5,069	5,077	5,088	5,099	5,103	5,124	5,137	5,149
Services	30,095	30,178	30,247	30,282	30,369	30,421	30,491	30,522	30,648	30,737	30,863	30,979	31,032

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 component, which is small relative to the trend-cycle and irregular

components, cannot be separated with sufficient precision.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1993 forward are subject to revision.

**ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED**

B-6. Diffusion indexes of employment change, seasonally adjusted

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Private nonfarm payrolls, 356 industries¹												
Over 1-month span:												
1993	59.7	61.0	49.6	57.6	61.5	56.2	55.5	58.3	62.2	59.6	81.7	59.3
1994	57.6	61.9	67.1	64.5	57.7	63.9	62.5	62.8	61.4	60.3	63.8	62.4
1995	62.4	60.1	54.5	55.6	48.0	53.9	54.1	59.8	57.0	54.9	57.2	57.9
1996	51.7	64.3	60.1	54.9	62.9	60.5	56.5	59.3	54.4	62.8	58.1	61.0
1997	59.3	59.1	59.0	61.1	^P 56.2	^P 53.1						
Over 3-month span:												
1993	64.7	60.8	60.5	58.8	62.9	63.6	59.6	62.9	64.7	66.9	64.3	63.6
1994	65.3	69.5	70.4	68.7	67.1	67.0	69.1	69.7	65.7	65.6	67.0	66.2
1995	65.4	62.5	58.7	53.2	54.6	52.4	57.9	59.6	59.7	59.0	57.0	56.3
1996	62.8	63.8	62.6	61.2	62.1	63.1	62.6	58.8	62.8	60.4	84.7	85.0
1997	64.6	62.2	64.2	^P 64.5	^P 58.6							
Over 6-month span:												
1993	62.9	64.6	64.3	64.3	62.2	65.6	66.0	64.9	66.3	66.7	69.4	69.2
1994	71.1	69.8	69.8	70.9	70.1	89.8	69.7	69.4	69.4	67.4	67.7	66.2
1995	66.9	61.4	58.1	56.6	58.1	58.1	56.7	59.8	60.3	59.1	61.5	63.3
1996	62.2	63.5	63.5	63.5	62.8	81.2	65.3	63.6	62.6	64.5	64.2	67.4
1997	67.6	^P 66.3	^P 63.5									
Over 12-month span:												
1993	64.9	63.9	64.0	65.4	67.0	67.6	67.6	67.0	70.2	69.5	69.2	70.1
1994	70.2	71.6	71.8	71.8	72.1	71.8	71.5	72.1	70.1	69.5	66.8	65.0
1995	63.6	62.4	62.6	63.3	61.7	61.9	58.7	62.2	62.2	61.1	62.2	63.3
1996	63.5	64.7	62.4	62.9	64.7	64.2	65.0	63.1	63.8	66.7	^P 65.3	^P 63.8
1997												
Manufacturing payrolls, 139 industries¹												
Over 1-month span:												
1993	52.2	56.8	49.6	44.2	53.2	46.4	49.3	51.8	57.9	52.2	54.0	55.8
1994	55.8	59.0	60.4	56.6	52.9	58.6	58.4	56.1	52.9	55.0	58.6	58.3
1995	54.3	56.1	44.2	51.4	42.1	42.8	43.5	52.2	47.1	50.0	47.5	50.7
1996	45.7	54.3	47.8	39.2	52.2	52.2	44.2	52.9	44.2	50.7	49.6	52.2
1997	54.0	50.4	52.9	52.9	^P 50.7	^P 52.5						
Over 3-month span:												
1993	61.5	59.0	54.0	46.8	48.6	54.3	51.1	58.3	57.2	59.4	54.7	58.3
1994	61.9	64.7	65.5	59.7	57.6	60.1	62.2	57.9	55.0	55.4	60.1	59.4
1995	59.7	50.4	47.5	40.3	42.4	36.3	38.5	43.9	49.3	46.4	45.3	43.9
1996	47.5	47.8	42.1	38.5	43.2	45.0	48.9	43.2	50.4	46.4	52.5	52.5
1997	53.2	51.4	50.7	^P 52.2	^P 49.6							
Over 8-month span:												
1993	55.8	58.6	58.6	55.8	51.8	57.2	59.7	57.2	57.6	58.3	62.8	80.8
1994	62.2	62.2	62.6	63.3	59.4	58.5	58.5	58.6	58.6	55.0	58.3	55.0
1995	55.8	48.8	43.9	38.8	39.2	39.6	38.8	39.6	43.9	45.0	44.2	44.6
1996	41.4	41.7	41.0	38.1	39.6	40.6	47.5	46.8	45.3	50.4	48.2	53.2
1997	53.2	^P 53.2	^P 50.7									
Over 12-month span:												
1993	56.8	57.9	55.8	58.6	57.2	57.6	58.6	59.0	61.2	59.7	60.1	57.6
1994	57.9	58.6	60.8	60.8	60.8	63.3	59.4	60.1	57.2	58.5	50.4	49.6
1995	46.0	44.2	46.0	47.8	41.0	41.7	38.5	38.8	36.3	37.4	38.1	39.9
1996	39.8	42.8	39.2	39.6	42.4	40.3	43.5	40.3	43.5	46.8	^P 45.7	^P 45.3
1997												

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 1996 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1996) and all seasonally adjusted data (beginning January 1993) are subject to revision.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
	Total ¹												
Alabama	1,824.4	1,822.5	1,825.5	1,828.7	1,829.8	1,831.0	1,834.8	1,836.5	1,837.3	1,839.6	1,847.3	1,844.0	1,849.0
Alaska	264.0	263.6	264.5	263.4	262.8	262.9	262.8	263.0	262.6	262.6	263.2	264.4	265.1
Arizona	1,880.5	1,886.8	1,895.8	1,915.3	1,922.6	1,926.3	1,936.8	1,937.1	1,934.5	1,950.2	1,956.9	1,960.4	1,970.3
Arkansas	1,084.4	1,085.8	1,084.0	1,088.3	1,087.7	1,089.0	1,090.6	1,092.7	1,090.0	1,092.5	1,094.6	1,095.7	1,098.9
California	12,741.5	12,757.9	12,793.0	12,825.6	12,840.1	12,888.3	12,931.2	12,944.5	12,960.1	13,004.1	13,052.6	13,070.3	13,111.7
Colorado	1,898.0	1,900.1	1,897.2	1,909.5	1,911.5	1,913.2	1,919.1	1,921.5	1,922.0	1,933.3	1,938.6	1,933.5	1,935.0
Connecticut	1,581.0	1,584.2	1,588.0	1,591.9	1,590.9	1,592.5	1,595.3	1,596.5	1,593.6	1,597.4	1,598.8	1,602.6	1,607.2
Delaware	379.0	379.3	378.9	378.2	378.6	379.3	380.3	382.1	381.5	389.9	385.0	386.1	387.3
District of Columbia	619.2	617.9	622.6	622.3	620.7	619.7	619.0	620.7	618.0	621.3	619.6	615.8	613.5
Florida	6,155.0	6,161.8	6,188.0	6,202.7	6,228.7	6,237.6	6,268.2	6,283.3	6,297.4	6,316.7	6,330.6	6,358.5	6,384.8
Georgia	3,523.3	3,538.8	3,594.7	3,539.3	3,527.7	3,546.4	3,558.8	3,571.0	3,555.0	3,558.1	3,567.7	3,573.9	3,586.7
Hawaii	530.0	529.3	528.1	529.4	528.4	529.2	528.8	528.2	532.3	530.9	528.8	529.0	527.7
Idaho	491.2	491.5	493.2	495.4	494.1	497.7	497.7	498.0	497.2	499.0	500.5	501.3	501.9
Illinois	5,666.5	5,673.5	5,692.0	5,699.9	5,700.5	5,694.9	5,704.5	5,714.4	5,699.8	5,708.8	5,721.7	5,733.2	5,744.4
Indiana	2,818.2	2,819.4	2,797.8	2,819.7	2,828.6	2,826.9	2,827.5	2,825.7	2,814.9	2,823.2	2,833.8	2,839.1	2,852.3
Iowa	1,380.7	1,380.1	1,377.5	1,381.9	1,375.6	1,383.6	1,388.9	1,392.1	1,391.4	1,393.3	1,395.5	1,400.7	1,402.6
Kansas	1,228.9	1,225.5	1,221.3	1,226.6	1,230.1	1,242.4	1,251.0	1,247.4	1,247.6	1,250.5	1,258.8	1,257.8	1,263.8
Kentucky	1,667.1	1,668.2	1,673.7	1,676.9	1,674.0	1,679.6	1,680.9	1,688.6	1,689.2	1,691.9	1,701.6	1,704.3	1,709.6
Louisiana	1,807.3	1,811.7	1,810.1	1,815.4	1,819.4	1,824.2	1,827.6	1,829.6	1,828.2	1,831.0	1,833.1	1,837.9	1,835.9
Maine	538.9	540.6	538.8	539.8	542.1	541.0	541.2	540.8	545.2	545.7	546.5	546.3	546.3
Maryland	2,204.3	2,212.6	2,214.2	2,213.5	2,214.5	2,215.7	2,220.3	2,223.1	2,225.6	2,238.1	2,243.5	2,238.5	2,240.7
Massachusetts	3,028.2	3,033.3	3,043.9	3,050.3	3,058.9	3,064.7	3,071.7	3,075.9	3,071.4	3,075.7	3,083.3	3,090.7	3,102.4
Michigan	4,345.2	4,347.1	4,328.1	4,357.9	4,367.5	4,369.8	4,371.0	4,376.2	4,377.9	4,398.1	4,401.4	4,398.6	4,406.2
Minnesota	2,427.0	2,430.7	2,436.8	2,440.1	2,442.6	2,441.6	2,448.5	2,453.7	2,455.6	2,465.5	2,474.1	2,468.4	2,478.2
Mississippi	1,089.8	1,090.6	1,094.6	1,097.6	1,095.3	1,094.8	1,096.2	1,096.5	1,093.2	1,093.8	1,097.2	1,099.1	1,101.8
Missouri	2,566.0	2,558.8	2,555.1	2,563.4	2,558.5	2,579.5	2,584.3	2,592.8	2,584.1	2,599.8	2,599.8	2,597.9	2,609.3
Montana	359.6	359.5	357.1	357.9	357.4	360.6	362.9	361.5	360.6	361.5	362.3	363.1	364.6
Nebraska	831.0	833.3	831.8	834.6	835.3	839.2	843.0	843.4	846.8	848.6	852.5	848.7	845.7
Nevada	835.1	840.0	846.7	851.2	856.9	859.3	869.4	869.9	874.1	879.4	882.8	886.8	890.4
New Hampshire	561.6	584.0	568.7	568.3	563.3	565.9	565.6	566.6	566.1	566.4	568.0	568.0	573.1
New Jersey	3,637.2	3,646.1	3,646.0	3,651.5	3,656.6	3,660.6	3,685.9	3,688.7	3,678.2	3,686.1	3,691.0	3,692.0	3,695.1
New Mexico	694.8	696.0	695.8	695.5	695.0	696.4	698.2	700.6	699.0	700.1	701.1	701.6	703.2
New York	7,921.0	7,923.7	7,921.7	7,927.7	7,939.9	7,952.0	7,959.1	7,963.4	7,942.0	7,958.0	7,977.3	7,984.4	7,995.1
North Carolina	3,547.7	3,552.7	3,547.9	3,554.0	3,571.2	3,599.5	3,608.6	3,615.8	3,619.8	3,617.1	3,626.4	3,629.9	3,839.1
North Dakota	308.3	308.5	308.6	309.4	310.4	310.3	312.0	312.5	312.6	314.3	314.0	312.6	315.8
Ohio	5,293.9	5,301.4	5,303.4	5,317.9	5,310.1	5,316.5	5,317.5	5,329.7	5,326.9	5,335.6	5,339.0	5,335.3	5,347.6
Oklahoma	1,353.9	1,352.8	1,351.9	1,360.4	1,359.1	1,368.6	1,373.1	1,376.6	1,377.7	1,380.3	1,384.2	1,378.9	1,385.9
Oregon	1,467.4	1,470.1	1,477.9	1,483.6	1,488.0	1,491.7	1,500.9	1,501.6	1,504.2	1,512.6	1,510.8	1,519.6	1,522.4
Pennsylvania	5,304.5	5,298.4	5,318.4	5,328.8	5,339.7	5,345.0	5,350.8	5,361.4	5,367.8	5,388.2	5,393.0	5,407.7	5,423.0
Rhode Island	442.3	441.6	439.9	443.2	445.1	444.2	445.8	445.6	442.6	442.5	444.1	444.9	445.3
South Carolina	1,675.4	1,688.3	1,678.7	1,680.3	1,681.9	1,678.6	1,691.4	1,684.1	1,680.2	1,685.1	1,691.0	1,696.7	1,702.0
South Dakota	348.7	348.0	348.7	349.9	350.0	350.2	351.1	351.4	350.1	351.6	349.9	349.5	353.8
Tennessee	2,529.9	2,532.3	2,522.6	2,534.6	2,543.4	2,542.1	2,551.4	2,556.2	2,553.3	2,558.6	2,554.9	2,552.0	2,551.2
Texas	8,225.3	8,225.9	8,243.0	8,270.6	8,280.4	8,319.0	8,335.2	8,353.0	8,329.1	8,374.7	8,391.5	8,415.5	8,443.3
Utah	949.6	953.5	958.0	961.4	962.7	965.3	969.5	973.6	974.9	979.0	980.3	982.8	987.0
Vermont	275.4	274.9	273.7	274.4	274.6	276.2	276.2	275.9	277.1	277.6	277.2	278.0	278.4
Virginia	3,117.2	3,122.5	3,129.6	3,141.0	3,144.9	3,159.3	3,165.0	3,175.8	3,184.9	3,193.9	3,199.3	3,194.9	3,201.1
Washington	2,401.0	2,401.4	2,419.0	2,425.4	2,423.7	2,434.9	2,440.0	2,448.3	2,452.8	2,456.6	2,467.4	2,473.8	2,485.5
West Virginia	708.7	698.6	696.3	698.6	699.2	700.7	702.6	701.5	701.5	703.7	708.2	708.5	707.0
Wisconsin	2,596.5	2,600.3	2,603.3	2,613.4	2,615.1	2,620.8	2,628.5	2,629.0	2,624.4	2,627.8	2,635.0	2,637.3	2,647.5
Wyoming	221.2	221.0	222.1	223.4	222.1	222.7	221.7	221.7	221.0	221.4	222.1	221.0	221.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
Construction													
Alabama	93.3	92.5	93.1	94.4	95.0	95.0	96.5	96.5	97.8	98.2	99.9	98.9	100.0
Alaska	12.8	12.5	12.4	12.5	12.3	12.4	12.6	12.8	12.6	12.1	11.8	12.2	12.4
Arizona	125.8	128.0	126.3	128.8	127.4	128.4	129.0	129.2	126.4	127.0	127.8	129.3	131.8
Arkansas	47.2	47.4	47.5	47.9	48.2	48.2	48.1	48.3	47.4	48.1	49.1	49.4	49.5
California	503.5	505.0	510.8	514.2	516.7	522.9	528.8	527.4	537.8	548.1	549.5	548.5	552.3
Colorado	111.5	112.4	112.0	113.1	112.9	112.9	114.6	114.7	111.7	115.8	115.9	116.4	115.8
Connecticut	52.3	53.0	52.7	52.5	52.8	52.3	51.9	51.7	51.9	52.6	53.1	53.7	54.7
Delaware	20.0	20.6	20.7	20.9	21.2	21.4	21.5	21.9	21.6	22.1	22.1	22.1	22.1
District of Columbia	8.4	8.3	8.3	8.3	8.5	8.5	8.5	8.5	8.5	9.1	9.0	8.6	8.7
Florida	324.5	323.8	324.8	323.7	323.7	323.1	324.0	324.9	325.9	329.2	328.9	329.7	331.1
Georgia	167.1	166.1	167.1	161.4	163.3	163.9	164.8	165.8	164.1	165.2	164.0	165.5	164.4
Hawaii ²	23.9	23.7	23.5	23.4	23.2	23.1	20.7	22.7	22.4	22.4	21.8	21.5	21.3
Idaho	31.0	30.7	30.6	30.8	30.3	30.9	30.5	30.4	30.2	30.7	31.5	32.2	32.0
Illinois	219.6	221.1	222.8	221.5	221.7	221.4	222.1	223.2	220.5	219.1	220.0	225.8	222.5
Indiana	134.1	134.4	132.8	133.0	132.5	131.7	131.1	132.9	131.0	132.9	133.9	137.6	137.6
Iowa	58.1	57.9	58.1	57.7	57.9	58.6	58.8	61.3	59.1	60.7	60.9	63.0	62.5
Kansas	57.3	57.3	57.5	57.3	56.6	57.1	57.5	58.2	56.7	58.1	60.2	60.0	60.3
Kentucky	76.3	76.5	77.7	77.9	78.3	78.1	78.3	77.8	79.8	78.7	79.0	78.6	79.1
Louisiana	113.3	114.1	112.7	113.2	112.1	113.0	113.7	113.6	112.8	114.1	111.6	114.2	113.0
Maine	22.6	22.9	23.0	23.3	23.5	23.8	23.7	23.6	23.8	23.5	23.7	23.4	23.6
Maryland	131.3	131.9	130.9	130.7	131.0	131.8	132.8	133.3	137.6	139.2	140.7	139.0	140.4
Massachusetts	94.5	93.9	95.0	95.2	95.2	95.4	95.9	97.0	97.2	98.3	98.2	98.4	99.7
Michigan	168.9	170.0	169.1	169.9	170.0	170.5	171.0	172.9	173.3	179.7	180.5	183.4	185.8
Minnesota	88.8	89.1	89.2	89.5	89.4	89.0	89.0	89.7	92.3	92.3	92.3	91.3	92.7
Mississippi	48.8	48.9	49.3	48.5	48.4	48.3	49.3	49.6	48.5	48.1	48.0	48.7	49.1
Missouri	114.3	114.5	116.0	117.1	115.7	117.7	118.4	120.5	117.7	121.7	118.5	116.0	118.0
Montana	18.7	17.0	16.5	17.0	16.9	17.8	17.8	17.5	16.8	17.4	17.3	17.2	18.3
Nebraska	36.5	36.8	36.9	37.2	37.1	36.8	37.0	37.1	38.3	38.6	39.0	38.0	38.1
Nevada	71.7	73.4	74.9	77.2	78.9	79.3	80.4	80.0	80.2	81.5	81.4	83.2	82.9
New Hampshire	20.5	20.8	21.3	21.4	21.3	21.5	21.5	21.6	21.2	21.1	21.2	21.0	22.1
New Jersey	125.2	125.5	124.6	125.4	125.7	124.4	124.2	124.0	125.0	125.4	126.3	125.7	126.4
New Mexico	43.4	43.0	42.7	42.6	42.3	41.8	41.3	41.5	41.4	41.9	42.0	41.3	41.7
New York	251.0	252.9	257.1	258.9	260.9	260.5	260.2	261.4	251.2	253.9	257.9	259.4	260.8
North Carolina	187.9	188.8	190.2	190.9	191.2	193.1	194.1	194.6	198.2	200.3	200.5	199.7	199.1
North Dakota	14.7	15.2	15.3	15.2	15.1	14.9	15.2	15.5	15.6	15.9	15.8	14.8	15.6
Ohio	212.8	214.2	214.3	213.2	214.1	215.6	214.6	217.2	215.4	217.7	217.7	219.9	221.0
Oklahoma	50.8	50.3	49.4	50.3	50.4	50.8	50.8	51.5	51.0	51.7	52.2	51.5	51.4
Oregon	76.6	77.8	79.0	79.6	80.2	81.3	81.3	81.5	81.8	81.9	79.5	81.7	83.3
Pennsylvania	202.8	204.1	203.8	203.9	204.6	205.4	204.6	205.8	211.6	214.2	213.0	214.4	214.1
Rhode Island	13.9	14.0	14.0	13.5	13.3	13.5	13.4	13.3	13.9	14.3	14.8	15.1	14.8
South Carolina	94.1	96.4	94.8	94.7	94.5	94.6	94.7	95.2	95.8	96.3	96.6	96.1	97.1
South Dakota	14.8	14.9	14.8	14.9	14.8	14.7	14.6	14.8	14.8	14.7	14.3	14.1	14.8
Tennessee	115.8	112.4	113.0	113.0	113.5	114.2	114.9	114.7	115.1	115.8	114.5	114.5	118.0
Texas	434.8	435.9	436.1	437.9	437.4	444.0	444.5	445.1	437.1	447.3	449.2	451.1	455.9
Utah	60.0	60.9	61.1	61.5	60.8	61.2	61.6	61.9	62.0	62.1	61.5	61.4	63.2
Vermont	12.8	12.7	12.6	13.0	13.1	13.2	12.8	12.8	12.8	12.6	12.2	12.3	12.2
Virginia	174.5	174.6	176.0	176.8	177.0	176.6	177.1	178.2	183.1	184.5	184.5	183.0	182.6
Washington	126.1	126.5	127.7	128.6	128.4	129.4	129.7	130.1	130.6	130.6	131.1	132.4	132.6
West Virginia	33.8	34.4	35.0	34.8	35.4	35.2	35.1	35.2	35.4	35.7	36.8	36.2	34.8
Wisconsin	103.4	104.0	107.2	109.2	109.1	108.7	108.9	108.9	107.8	106.8	109.0	110.0	111.1
Wyoming	13.9	13.7	13.8	14.4	14.8	14.6	14.4	14.6	14.6	14.3	14.2	13.9	14.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
Manufacturing													
Alabama	382.7	381.7	383.2	380.7	380.6	380.7	381.4	381.5	382.5	382.1	383.1	380.9	380.6
Alaska	16.7	15.9	15.5	15.5	15.3	16.1	16.2	16.0	16.2	15.9	18.6	16.8	16.6
Arizona	199.2	199.4	199.6	199.9	200.4	200.8	200.9	200.7	201.6	202.6	203.2	203.4	204.0
Arkansas	253.1	252.8	252.4	252.7	252.2	252.7	252.3	252.3	251.5	252.9	251.9	252.7	253.0
California	1,850.9	1,853.5	1,856.6	1,863.3	1,861.6	1,867.0	1,870.0	1,871.5	1,870.4	1,875.5	1,882.7	1,888.0	1,892.8
Colorado	196.0	195.8	196.0	196.4	196.3	196.3	196.4	197.0	196.8	197.5	197.6	197.6	197.0
Connecticut	275.7	275.6	275.9	277.1	274.2	274.7	275.0	275.2	274.1	274.4	273.6	274.4	273.9
Delaware	60.8	60.8	58.5	56.4	56.1	56.3	56.5	56.8	57.6	57.9	58.1	58.2	58.4
District of Columbia	13.0	13.2	13.1	13.1	13.0	13.0	13.1	13.3	13.0	13.1	13.2	13.2	13.5
Florida	488.9	488.9	491.8	492.3	492.1	492.2	492.0	493.0	492.4	492.4	492.4	491.8	492.7
Georgia	582.0	581.9	584.9	586.0	585.3	588.7	588.1	587.9	587.6	588.6	588.8	587.6	588.7
Hawaii	16.7	16.7	16.6	16.4	16.4	16.6	16.4	16.5	16.5	16.5	16.4	16.5	16.4
Idaho	72.8	72.8	72.6	72.7	72.5	72.8	72.9	73.0	73.3	73.2	73.1	73.8	73.7
Illinois	967.6	968.3	972.5	973.4	973.5	974.7	975.8	978.5	977.0	980.8	979.2	978.8	978.8
Indiana	676.5	677.8	665.6	674.3	672.8	671.7	671.6	671.8	671.9	673.3	673.6	672.4	673.3
Iowa	248.1	247.2	243.7	245.2	246.4	247.8	247.9	248.1	248.7	247.1	247.0	248.9	249.1
Kansas	195.4	196.8	196.7	197.2	197.4	198.5	198.9	199.3	199.3	199.7	200.9	201.8	202.1
Kentucky	311.3	310.9	310.0	310.2	310.8	312.8	312.7	310.8	313.4	312.5	315.8	314.4	312.9
Louisiana	188.8	188.5	188.6	186.5	188.7	187.9	188.2	188.4	188.0	188.6	187.6	189.2	187.7
Maine	88.5	88.0	87.4	87.7	87.7	87.5	87.6	87.4	87.8	87.7	87.9	87.7	88.0
Maryland	174.2	174.0	174.5	173.9	173.9	173.5	173.4	173.3	173.8	174.1	174.1	173.7	173.2
Massachusetts	444.7	444.6	444.3	443.5	442.5	443.0	442.8	443.4	445.0	445.1	445.5	445.5	446.5
Michigan	966.9	968.8	959.6	973.7	971.9	966.7	964.6	962.0	964.3	963.9	962.8	956.6	958.0
Minnesota	427.8	427.7	429.1	427.8	429.3	427.3	428.5	429.7	432.4	433.0	433.9	435.6	437.3
Mississippi	247.6	247.2	246.5	245.9	244.3	242.8	241.8	241.6	242.0	242.0	243.0	242.4	243.9
Missouri	417.2	410.0	409.9	409.1	408.1	412.5	412.0	410.6	411.0	412.9	411.8	408.7	410.8
Montana	23.8	23.7	23.7	23.9	23.8	23.8	23.9	23.7	23.7	23.9	23.9	24.0	24.1
Nebraska	113.3	113.7	114.1	113.9	113.6	114.3	114.7	114.8	114.1	114.5	114.9	114.6	114.7
Nevada	38.5	38.5	38.5	38.6	38.9	39.1	39.5	39.5	39.5	39.8	39.7	39.7	39.8
New Hampshire	104.8	104.8	104.8	105.1	105.0	105.0	104.8	105.0	105.3	106.1	106.5	106.4	106.9
New Jersey	486.0	486.1	485.2	484.9	483.8	482.6	483.2	483.3	487.1	485.3	484.4	485.5	482.9
New Mexico	45.9	45.8	45.7	45.8	45.7	45.6	45.8	45.8	45.9	48.1	46.1	46.2	46.4
New York	924.2	923.9	924.6	922.0	919.2	917.1	916.1	916.3	915.3	913.7	915.2	915.4	916.1
North Carolina	847.8	846.0	844.9	842.7	843.1	845.4	844.8	844.4	844.1	841.5	842.6	840.6	841.1
North Dakota	21.7	21.5	21.3	21.5	21.7	21.8	21.9	22.1	22.1	22.2	22.2	22.5	22.9
Ohio	1,094.9	1,095.6	1,096.6	1,099.5	1,093.7	1,093.4	1,085.3	1,088.2	1,086.5	1,085.1	1,090.4	1,085.6	1,084.8
Oklahoma	173.9	174.3	174.5	175.4	175.1	176.0	176.0	176.7	178.9	177.0	177.0	173.7	174.3
Oregon	233.9	233.7	233.5	236.0	236.4	236.7	237.9	238.6	240.3	240.8	242.0	243.5	245.3
Pennsylvania	931.6	930.0	929.2	929.3	929.0	929.0	930.1	930.4	931.3	932.6	932.8	934.1	933.8
Rhode Island	83.1	82.9	80.5	82.0	82.0	81.7	81.6	81.5	81.2	80.5	80.3	80.7	81.5
South Carolina	367.2	368.7	364.9	363.9	362.7	361.6	359.7	359.3	359.7	360.7	361.5	360.3	360.0
South Dakota	47.7	47.8	47.7	48.1	47.8	48.2	48.3	48.5	48.6	49.0	49.0	49.1	49.7
Tennessee	522.3	520.4	517.7	521.5	522.4	521.5	520.6	520.5	520.0	520.9	516.9	518.1	514.8
Texas	1,053.3	1,054.4	1,055.2	1,057.3	1,057.3	1,059.7	1,060.5	1,061.6	1,058.9	1,061.9	1,063.5	1,067.2	1,069.2
Utah	129.1	129.4	130.0	130.0	129.8	129.7	130.3	130.9	131.0	130.9	130.4	130.9	131.2
Vermont	48.1	46.1	45.9	46.0	46.0	45.8	46.1	46.0	46.1	46.3	46.2	46.0	46.4
Virginia	399.3	398.9	396.1	398.2	397.4	397.8	397.8	399.1	398.0	398.5	398.4	397.8	397.5
Washington	339.7	340.6	343.8	345.8	347.3	351.1	352.9	356.5	357.6	359.0	360.8	361.4	364.4
West Virginia	82.4	82.0	81.9	81.5	81.6	81.4	81.4	81.2	81.7	81.1	81.7	81.8	82.4
Wisconsin	602.8	602.0	601.0	602.3	601.2	602.0	600.8	599.5	599.4	600.5	600.1	602.6	603.6
Wyoming	10.9	10.9	10.9	10.9	10.7	10.7	10.8	10.7	10.7	10.8	10.7	10.8	11.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
	Transportation and public utilities												
Alabama	90.6	90.3	90.2	89.9	90.1	90.2	90.1	90.0	90.0	90.0	90.5	90.2	90.2
Alaska	23.4	23.0	22.7	22.9	22.5	22.6	22.5	22.6	22.7	22.9	23.3	23.8	23.8
Arizona	90.6	91.6	92.3	93.3	93.8	94.3	94.4	94.9	94.8	95.0	95.1	95.4	95.5
Arkansas	65.0	64.9	64.8	64.8	64.6	64.5	64.7	64.8	65.4	65.3	65.8	65.9	66.1
California	641.1	640.6	643.0	644.4	645.1	645.2	646.3	645.4	651.6	654.1	654.4	655.8	660.6
Colorado	120.5	120.6	120.8	120.5	119.9	119.2	119.2	117.6	118.0	117.9	117.1	117.2	115.8
Connecticut	73.4	73.8	73.1	73.0	73.0	73.2	73.5	73.0	73.4	73.7	74.0	74.7	75.4
Delaware	15.7	15.5	15.8	15.9	15.8	15.8	15.7	15.7	15.7	15.9	15.7	15.8	15.8
District of Columbia	19.4	19.3	19.0	19.0	18.7	18.9	19.0	19.3	19.2	19.2	19.0	18.7	18.6
Florida	312.7	312.8	313.7	314.8	315.3	316.6	318.3	322.1	321.9	322.0	323.5	323.3	322.6
Georgia	222.2	224.1	225.9	222.2	221.6	222.2	222.6	223.3	223.6	223.8	225.2	225.4	226.0
Hawaii	40.8	40.7	40.8	41.1	40.9	41.1	41.2	41.1	41.2	41.0	41.4	41.2	41.0
Idaho	23.1	23.1	23.0	23.2	23.2	23.6	23.6	23.5	23.4	23.1	23.2	23.3	23.5
Illinois	330.4	331.3	331.4	331.2	330.1	333.0	333.3	334.9	338.5	338.8	339.1	340.5	341.6
Indiana	140.0	140.1	138.9	138.4	138.5	139.1	139.1	139.7	138.6	139.2	139.8	140.4	139.8
Iowa	62.8	62.6	62.8	63.2	63.3	64.0	64.2	64.2	64.9	64.9	65.1	65.3	65.3
Kansas	69.9	70.0	69.8	70.1	70.1	70.2	70.3	70.4	70.9	71.5	71.9	72.5	72.5
Kentucky	93.3	92.5	93.6	93.8	93.5	93.9	93.4	95.9	95.7	95.9	96.0	96.4	96.4
Louisiana	108.6	108.7	108.5	108.9	109.0	108.9	108.7	108.5	109.1	108.6	109.1	109.6	109.8
Maine	22.5	22.4	22.3	22.2	22.3	22.3	22.4	22.5	22.8	22.7	22.6	22.6	22.7
Maryland	106.4	106.8	107.2	107.6	106.6	106.6	106.4	105.8	107.6	108.6	108.6	107.1	106.7
Massachusetts	128.4	128.6	128.2	128.1	129.7	132.1	131.6	131.8	131.3	131.9	132.2	131.5	132.0
Michigan	168.8	168.6	168.9	168.6	168.8	168.6	167.8	168.7	168.2	169.8	169.9	168.4	168.8
Minnesota	119.3	118.9	119.6	119.8	120.1	120.7	120.3	120.4	121.4	121.9	122.3	122.4	122.7
Mississippi	52.7	52.7	52.9	52.8	52.9	52.5	52.6	52.5	52.8	52.7	52.5	52.2	52.5
Missouri	159.5	159.3	160.0	161.3	159.4	161.4	161.9	162.1	161.9	162.1	162.2	162.4	162.1
Montana	20.8	20.8	20.7	20.6	20.6	20.4	20.7	20.3	20.5	20.5	20.7	20.3	20.5
Nebraska	50.1	50.1	50.3	50.6	50.1	50.6	50.7	50.4	50.9	51.3	52.1	52.4	52.6
Nevada	42.1	42.2	42.5	42.6	42.6	42.7	43.0	43.2	43.3	43.5	43.8	44.0	44.2
New Hampshire	19.6	19.6	19.9	20.0	19.5	19.6	19.7	19.8	19.6	19.6	19.6	19.5	19.4
New Jersey	252.8	253.7	255.0	255.6	255.9	256.0	256.0	258.4	255.8	256.9	257.5	257.4	257.7
New Mexico	31.6	31.3	31.5	31.8	31.0	30.9	30.7	30.8	30.7	30.8	30.8	30.9	31.0
New York	401.7	401.5	402.7	402.6	401.6	403.0	402.7	401.9	407.2	407.2	407.9	408.0	406.5
North Carolina	167.9	168.0	167.3	167.4	167.7	169.2	170.0	170.0	170.7	171.7	172.8	173.3	173.0
North Dakota	18.3	18.4	18.3	18.3	18.3	18.4	18.4	18.3	18.5	18.5	18.4	18.6	18.5
Ohio	231.9	231.5	231.7	231.8	232.1	231.9	232.6	232.3	234.8	235.2	235.3	234.6	234.5
Oklahoma	77.9	77.9	76.3	76.5	76.8	77.7	77.7	77.7	77.8	77.5	77.4	77.8	78.3
Oregon	72.4	72.6	73.1	73.0	73.5	73.9	73.6	72.5	73.7	74.3	73.8	74.3	73.7
Pennsylvania	271.8	271.3	272.1	272.9	272.7	271.6	272.0	271.3	271.5	271.9	271.9	272.2	272.5
Rhode Island	14.9	14.9	15.0	15.0	15.1	15.0	15.2	15.1	14.9	14.8	15.0	15.0	14.9
South Carolina	73.7	73.4	74.0	73.9	73.9	73.8	73.9	74.0	74.0	73.5	74.0	75.1	74.9
South Dakota	16.3	16.3	16.3	16.5	16.4	16.8	16.5	16.6	16.5	16.4	16.2	15.9	16.1
Tennessee	143.8	143.6	142.7	142.5	142.6	142.4	143.0	143.3	142.7	143.1	143.1	143.1	142.5
Texas	488.8	488.8	488.0	489.9	489.2	489.9	490.5	492.8	492.0	492.8	493.3	493.6	496.5
Utah	53.7	54.0	54.5	54.4	54.7	54.5	54.9	55.0	55.1	55.4	55.4	56.1	56.2
Vermont	12.2	12.1	12.1	12.1	12.1	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.5
Virginia	160.6	161.7	161.5	162.3	162.4	164.1	164.8	164.3	165.2	165.2	165.7	165.5	165.7
Washington	122.7	122.7	123.2	123.8	123.4	123.7	123.9	124.2	124.7	124.7	125.7	125.6	126.1
West Virginia	39.3	38.9	38.8	39.1	38.8	39.0	39.2	39.1	38.3	38.5	38.6	38.6	38.8
Wisconsin	121.1	121.1	120.9	121.1	121.5	121.2	121.5	121.4	121.2	120.6	121.0	121.4	122.5
Wyoming	13.8	13.8	13.9	13.9	13.9	13.8	13.9	13.6	13.8	13.5	13.8	13.6	13.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
	Trade												
Alabama	418.3	419.0	421.3	420.9	421.2	420.4	420.8	421.4	421.3	421.7	424.0	422.6	424.1
Alaska	54.7	54.9	55.3	55.0	54.9	54.3	54.1	54.3	54.1	54.2	54.2	54.2	55.1
Arizona	464.8	463.9	467.6	470.5	470.1	470.3	473.3	473.4	476.1	481.1	483.8	482.0	484.3
Arkansas	247.8	248.9	247.8	248.4	248.3	248.3	249.1	249.5	248.0	248.0	249.2	249.2	250.1
California	2,972.5	2,972.4	2,975.7	2,976.2	2,981.5	2,983.9	2,998.0	2,999.9	2,983.8	2,998.2	3,007.9	3,015.5	3,022.3
Colorado	466.0	465.9	460.9	468.9	468.8	469.3	470.5	470.5	467.6	470.5	471.6	472.5	473.7
Connecticut	345.7	346.5	347.7	348.5	347.4	347.6	349.1	349.9	350.0	349.0	349.7	347.9	349.4
Delaware	84.3	83.9	83.6	83.8	84.5	84.9	85.3	85.5	84.8	85.4	86.0	86.1	85.9
District of Columbia	48.4	48.8	49.1	49.4	49.9	50.2	50.1	50.3	50.1	50.4	50.2	49.6	48.6
Florida	1,599.7	1,601.0	1,606.6	1,614.3	1,619.6	1,624.6	1,631.4	1,635.1	1,633.9	1,640.7	1,644.6	1,652.1	1,657.3
Georgia	891.4	899.9	919.3	905.6	896.9	902.1	907.9	915.1	903.9	902.3	905.8	908.0	910.4
Hawaii	135.4	135.2	134.3	134.7	135.0	135.2	135.3	135.0	135.3	135.9	135.4	135.1	134.7
Idaho	124.2	124.8	125.5	125.8	125.9	126.2	126.3	126.9	127.4	127.9	128.7	128.4	128.3
Illinois	1,302.4	1,303.3	1,304.1	1,305.5	1,307.8	1,306.8	1,308.9	1,312.0	1,297.0	1,299.9	1,304.0	1,301.9	1,304.6
Indiana	678.7	678.1	683.4	683.6	683.9	683.6	684.0	683.5	678.2	679.4	681.3	685.0	687.8
Iowa	341.0	341.2	341.6	345.6	339.8	339.4	340.6	340.7	340.5	339.5	339.9	340.4	341.0
Kansas	302.9	303.1	303.2	303.9	304.0	306.2	306.4	306.9	309.1	308.4	309.2	308.2	309.2
Kentucky	400.7	400.3	401.9	402.7	402.1	399.8	401.5	405.2	404.5	405.2	408.5	410.8	413.1
Louisiana	421.4	422.5	422.7	423.2	423.5	426.1	427.4	428.7	427.4	427.5	432.4	432.6	432.2
Maine	136.9	137.0	136.1	136.0	136.9	135.8	135.5	134.1	137.1	137.3	137.7	137.6	138.3
Maryland	527.6	529.6	530.7	530.7	530.4	531.5	532.4	533.7	531.6	534.9	535.5	533.9	533.9
Massachusetts	694.8	696.4	700.8	704.1	702.2	703.7	706.0	706.3	705.0	702.5	702.8	700.9	703.5
Michigan	1,021.1	1,021.4	1,019.9	1,025.2	1,028.8	1,034.7	1,033.5	1,037.1	1,033.4	1,040.2	1,042.4	1,038.9	1,040.7
Minnesota	592.6	592.9	591.2	593.3	592.7	596.2	597.5	600.0	600.4	602.1	604.2	599.1	598.9
Mississippi	233.3	233.3	234.3	233.7	232.9	233.4	233.8	233.4	233.5	232.8	233.7	233.1	233.5
Missouri	612.7	612.9	609.9	613.0	612.6	616.2	617.4	618.9	616.1	614.0	615.5	615.5	615.7
Montana	98.4	98.1	97.0	97.1	96.8	97.3	97.5	97.3	97.2	97.5	97.5	98.1	98.5
Nebraska	206.8	207.7	204.9	206.9	207.6	208.6	209.3	209.6	210.2	210.5	210.1	208.1	207.9
Nevada	167.5	168.7	171.1	172.4	172.8	174.1	175.1	176.4	176.6	178.2	178.3	179.6	180.6
New Hampshire	145.7	146.5	146.9	146.3	144.9	146.5	146.9	147.9	147.2	147.8	147.8	147.5	149.6
New Jersey	854.8	856.5	855.6	857.3	858.9	859.7	861.1	860.9	860.9	867.1	868.0	869.9	869.5
New Mexico	164.4	164.3	164.5	164.1	164.2	165.0	166.1	166.6	165.8	165.7	166.0	166.6	167.4
New York	1,619.8	1,622.0	1,621.5	1,623.9	1,627.4	1,630.6	1,637.5	1,635.4	1,627.9	1,628.2	1,631.3	1,632.0	1,634.0
North Carolina	810.7	810.3	813.0	808.4	810.2	817.0	817.8	820.3	822.2	821.1	823.0	823.0	824.8
North Dakota	80.2	80.1	80.0	80.0	80.3	80.0	80.8	80.8	80.9	80.9	80.8	80.4	80.9
Ohio	1,296.2	1,297.2	1,296.9	1,298.8	1,302.5	1,306.9	1,313.2	1,315.7	1,315.9	1,317.5	1,317.8	1,316.5	1,316.7
Oklahoma	317.4	316.9	317.4	319.0	318.9	321.4	323.4	323.9	324.6	324.9	326.7	325.1	325.3
Oregon	364.3	364.5	368.5	367.7	367.2	368.1	368.9	371.7	372.2	372.0	373.5	374.3	378.3
Pennsylvania	1,203.2	1,202.3	1,208.0	1,211.2	1,216.1	1,217.7	1,217.8	1,221.4	1,220.0	1,222.5	1,222.0	1,230.1	1,237.7
Rhode Island	98.1	98.2	99.4	100.0	99.6	99.3	99.7	99.8	98.7	99.2	99.6	99.4	99.8
South Carolina	397.4	398.7	397.0	399.2	400.1	398.9	400.8	402.1	400.3	401.4	403.6	405.8	407.6
South Dakota	87.5	87.2	87.2	88.0	87.7	87.8	87.8	87.9	86.9	87.4	87.6	87.1	88.5
Tennessee	593.1	592.6	591.5	597.2	600.1	598.8	602.8	605.9	604.0	604.7	606.8	605.2	604.2
Texas	1,987.3	1,990.1	1,993.7	1,995.2	1,997.3	2,005.7	2,009.5	2,014.7	2,014.2	2,019.1	2,023.8	2,030.8	2,035.6
Utah	228.9	229.9	231.3	232.6	232.3	232.4	233.5	234.6	235.0	235.7	237.0	237.7	239.2
Vermont	64.6	64.8	64.5	64.4	64.1	65.0	64.6	64.3	65.0	65.3	65.6	66.3	66.3
Virginia	708.4	711.4	714.1	716.7	717.6	723.7	724.4	726.1	724.2	725.5	726.5	725.1	726.2
Washington	588.3	588.1	594.0	594.7	593.8	595.7	596.4	596.6	596.3	596.7	598.9	600.0	602.8
West Virginia	159.5	160.3	160.4	160.5	160.9	161.9	162.1	161.3	160.6	160.7	162.5	163.0	163.6
Wisconsin	596.2	595.6	595.1	593.8	596.3	597.6	599.4	600.7	600.5	601.6	602.9	601.5	602.0
Wyoming	51.9	51.9	52.2	52.3	52.0	52.3	51.8	52.3	51.7	52.1	52.1	52.2	51.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(in thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
	Finance, insurance, and real estate												
Alabama	81.4	81.5	81.7	82.0	81.9	82.3	82.6	82.7	82.9	83.1	83.5	83.3	83.7
Alaska	11.8	11.7	11.9	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6	11.7
Arizona	113.9	114.9	115.8	116.6	116.8	116.8	117.1	117.6	119.0	120.2	121.3	121.6	121.7
Arkansas	43.1	43.3	43.3	43.4	43.4	43.5	43.6	43.6	43.6	43.6	43.8	43.7	44.0
California	731.6	732.5	734.7	734.7	733.1	734.0	734.0	733.8	732.3	732.6	732.2	732.3	732.9
Colorado	117.9	118.4	118.9	119.0	118.8	118.1	118.5	118.8	119.9	120.3	120.7	121.0	120.4
Connecticut	130.8	130.6	130.6	130.3	130.5	130.5	130.6	130.4	129.7	129.3	129.0	129.4	129.9
Delaware	43.4	43.5	43.9	44.3	44.3	44.3	44.2	44.6	44.3	44.9	45.2	46.2	46.5
District of Columbia	28.2	28.0	28.2	28.3	28.0	27.7	28.0	28.0	28.0	28.1	28.2	27.7	27.7
Florida	392.8	392.7	394.6	395.7	397.4	398.1	399.4	401.0	401.7	401.8	402.5	405.1	406.1
Georgia	180.0	180.2	181.1	180.4	181.1	182.1	182.4	182.6	183.5	183.3	184.1	185.4	186.9
Hawaii	37.0	36.9	36.6	36.6	36.6	36.8	36.6	36.6	36.4	36.3	35.9	35.9	35.7
Idaho	25.2	25.2	25.1	25.3	25.3	25.4	25.4	25.4	25.5	25.5	25.4	25.5	25.6
Illinois	384.8	384.4	384.4	385.5	386.2	387.5	387.9	387.9	387.0	387.9	389.2	390.0	390.0
Indiana	134.2	134.1	134.8	135.1	135.8	136.3	136.4	136.4	137.1	137.7	138.0	138.5	138.0
Iowa	77.8	77.9	77.7	77.7	77.3	77.6	77.6	77.8	77.5	77.9	78.2	78.5	78.7
Kansas	58.4	58.5	58.4	58.6	58.4	58.9	58.8	59.0	59.5	59.5	59.8	59.9	60.0
Kentucky	67.1	67.3	67.8	67.9	67.7	68.3	68.3	68.6	68.4	68.6	68.7	68.8	69.0
Louisiana	82.6	82.7	83.0	83.3	83.4	83.4	83.5	83.4	83.5	83.6	83.5	83.5	83.5
Maine	26.6	26.6	26.7	26.7	26.7	26.8	26.9	27.1	27.4	27.2	27.2	27.1	27.2
Maryland	127.8	128.3	128.5	128.8	128.6	128.6	128.7	128.6	127.7	127.3	127.7	127.3	127.5
Massachusetts	206.9	208.2	209.4	210.1	210.8	211.7	212.5	213.1	211.9	213.0	213.9	214.0	215.0
Michigan	200.2	201.4	201.3	201.4	201.5	202.2	202.4	203.2	201.9	202.7	202.5	203.8	203.4
Minnesota	142.6	142.8	142.2	142.6	142.8	142.7	143.1	143.5	143.2	143.9	144.7	145.0	144.5
Mississippi	40.8	41.0	41.2	41.0	40.9	41.0	41.1	41.2	41.1	41.0	41.3	41.4	41.4
Missouri	148.9	148.9	150.2	150.6	150.6	151.0	151.3	151.9	153.6	154.6	155.2	155.0	155.6
Montana	15.9	16.1	15.9	16.0	15.9	16.1	16.1	16.2	16.1	16.4	16.5	16.6	16.7
Nebraska	52.8	52.9	53.1	52.7	52.9	53.2	53.3	53.6	54.2	54.0	54.2	54.6	54.8
Nevada	37.6	37.7	37.9	37.9	37.9	38.1	38.2	38.4	38.3	38.6	38.9	39.0	39.2
New Hampshire	28.2	28.2	28.4	28.1	28.2	28.1	28.1	28.3	28.5	28.3	28.5	28.4	28.4
New Jersey	230.8	231.4	231.2	231.7	232.8	233.5	234.1	234.5	235.0	234.1	234.4	234.3	234.7
New Mexico	31.7	31.6	31.7	31.6	31.7	31.8	31.8	31.9	32.2	32.2	32.1	32.1	32.2
New York	720.6	721.7	721.3	721.9	722.1	723.0	723.0	723.5	725.4	725.8	726.1	725.3	725.3
North Carolina	151.7	152.8	153.5	154.3	154.8	156.9	157.7	158.4	159.2	159.5	159.9	159.5	160.1
North Dakota	14.3	14.4	14.5	14.5	14.6	14.8	14.8	14.8	14.7	14.7	14.6	14.9	15.1
Ohio	276.8	277.4	277.6	277.9	278.3	279.0	279.5	279.8	279.5	280.7	280.0	280.1	280.4
Oklahoma	67.1	67.2	67.4	67.7	67.5	67.9	68.2	68.4	68.3	68.6	68.7	68.8	69.4
Oregon	90.2	90.6	90.5	90.9	91.1	91.8	92.4	92.6	93.3	93.8	93.8	94.0	94.2
Pennsylvania	307.2	307.7	309.2	310.4	310.9	310.9	311.6	312.4	311.5	311.8	311.5	312.3	312.9
Rhode Island	24.8	25.0	25.4	25.4	25.5	25.3	25.4	25.6	25.5	25.5	25.5	25.8	25.8
South Carolina	72.2	72.2	72.4	72.7	73.0	72.9	73.0	73.1	73.2	73.2	73.5	73.6	74.1
South Dakota	19.6	19.6	19.9	19.9	20.0	20.0	20.1	20.2	20.3	20.2	20.6	20.7	20.8
Tennessee	116.9	117.3	117.5	118.0	118.1	118.2	118.6	118.9	119.3	119.1	119.8	119.6	119.7
Texas	442.7	443.9	444.6	445.2	446.0	447.5	447.5	448.3	448.7	448.4	448.7	449.8	451.2
Utah	50.5	50.7	50.6	50.6	50.5	50.8	51.3	51.4	51.1	51.4	51.5	51.6	51.6
Vermont	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.4	12.4	12.4	12.4	12.5
Virginia	161.6	162.0	161.8	162.2	162.3	163.1	163.5	163.8	164.1	164.1	164.8	164.6	165.4
Washington	123.6	123.6	123.9	124.2	124.4	124.1	124.4	124.6	125.4	125.7	126.0	126.0	126.4
West Virginia	27.2	27.1	27.1	26.9	27.1	27.4	27.4	27.5	27.3	27.4	27.5	27.6	27.6
Wisconsin	138.1	138.0	138.1	138.6	138.4	138.9	139.3	139.6	139.8	140.4	140.5	140.9	141.2
Wyoming	7.9	8.0	8.0	7.9	7.9	8.0	8.0	8.0	7.9	7.8	7.9	7.9	7.9

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
	Services												
Alabama	404.2	405.3	407.1	408.6	409.5	410.2	410.9	411.8	409.7	411.1	413.0	414.2	416.3
Alaska	62.4	62.3	63.3	62.8	62.8	62.3	62.5	62.8	62.6	63.0	63.8	63.8	64.4
Arizona	556.4	559.0	565.3	568.6	574.6	575.5	577.9	580.2	579.3	583.1	584.3	586.1	590.1
Arkansas	245.8	245.9	245.6	247.2	247.7	248.5	249.7	250.7	250.4	250.8	250.9	250.6	252.1
California	3,899.3	3,911.3	3,930.6	3,945.7	3,946.9	3,973.8	3,991.2	4,004.2	4,015.6	4,025.9	4,048.9	4,052.9	4,071.7
Colorado	563.1	564.7	567.0	570.0	571.3	573.8	576.2	579.1	581.5	587.4	592.5	585.8	588.0
Connecticut	479.8	481.4	484.2	486.1	486.9	486.1	487.7	488.5	489.0	490.8	493.1	493.2	496.1
Delaware	102.2	102.3	103.2	103.4	103.5	103.5	104.0	104.4	104.3	104.6	104.9	104.2	105.2
District of Columbia	259.7	259.4	265.5	264.6	263.9	262.6	262.3	263.7	263.9	267.0	267.8	266.5	265.0
Florida	2,103.4	2,111.6	2,129.0	2,134.0	2,145.4	2,147.7	2,153.7	2,164.0	2,166.8	2,181.5	2,191.3	2,206.9	2,222.8
Georgia	903.3	909.4	937.8	908.7	904.2	911.7	915.5	918.5	918.2	920.9	924.6	927.3	933.7
Hawaii	165.7	165.6	165.8	166.7	166.5	166.8	167.0	167.0	168.1	168.6	168.6	168.8	168.5
Idaho	114.9	115.6	115.6	116.0	115.7	116.3	116.2	116.0	115.9	116.9	117.4	116.9	117.7
Illinois	1,639.8	1,640.8	1,648.3	1,650.4	1,653.0	1,653.0	1,655.3	1,659.8	1,662.1	1,664.5	1,669.3	1,676.0	1,685.2
Indiana	650.8	651.3	657.1	658.8	662.6	662.4	661.5	661.4	665.3	664.1	671.4	669.5	676.2
Iowa	357.9	356.8	359.2	359.7	358.2	363.3	365.4	367.6	367.5	369.6	371.7	371.9	372.8
Kansas	299.5	298.5	300.9	301.7	302.3	304.4	305.0	305.7	307.1	308.4	308.8	310.8	312.2
Kentucky	406.0	407.2	408.6	411.3	411.5	413.8	413.7	416.8	413.7	415.8	419.6	419.9	422.1
Louisiana	482.5	483.6	486.7	487.9	490.3	493.3	494.6	495.4	496.8	495.2	494.5	493.3	493.2
Maine	149.6	150.3	150.3	150.7	150.8	151.2	151.7	152.4	152.9	154.0	153.9	154.7	154.2
Maryland	713.7	715.8	718.4	720.1	720.6	722.3	725.3	727.9	723.7	730.4	733.5	734.3	736.6
Massachusetts	1,059.4	1,061.6	1,065.1	1,067.9	1,072.5	1,075.3	1,078.6	1,079.9	1,078.6	1,083.1	1,088.4	1,096.8	1,102.4
Michigan	1,166.7	1,166.2	1,163.5	1,174.2	1,174.3	1,174.4	1,177.5	1,180.9	1,182.8	1,189.6	1,194.3	1,196.8	1,197.6
Minnesota	670.8	674.8	673.5	676.6	677.4	676.5	678.5	679.4	677.9	683.7	687.2	687.5	691.8
Mississippi	244.8	245.1	246.2	250.2	251.2	252.0	252.8	253.0	250.4	251.5	252.9	254.2	253.2
Missouri	710.5	707.4	707.6	709.9	708.7	711.0	713.6	719.0	714.1	722.2	723.2	725.9	730.7
Montana	102.3	103.3	101.5	101.6	101.6	102.2	102.6	102.9	101.7	102.5	103.3	103.7	103.5
Nebraska	219.3	219.6	219.7	219.9	220.8	222.3	223.5	224.2	224.9	226.3	228.5	227.4	226.3
Nevada	363.9	365.7	364.8	367.4	368.1	368.0	371.4	373.5	376.5	378.6	380.8	381.0	383.0
New Hampshire	163.4	164.2	165.7	165.8	164.7	165.5	164.2	164.1	163.6	163.3	164.0	163.1	165.0
New Jersey	1,119.5	1,123.0	1,123.9	1,128.4	1,130.4	1,134.1	1,137.5	1,140.8	1,143.9	1,147.8	1,151.8	1,150.7	1,155.4
New Mexico	192.1	192.3	191.8	192.1	193.2	193.8	194.2	195.2	194.9	195.3	196.7	195.9	195.9
New York	2,608.7	2,609.4	2,612.7	2,618.8	2,626.7	2,632.8	2,639.0	2,645.8	2,639.3	2,652.5	2,661.2	2,667.6	2,673.9
North Carolina	816.3	820.4	825.1	828.3	832.6	846.0	850.1	852.0	845.4	842.0	848.3	849.2	855.8
North Dakota	84.4	84.5	84.9	85.0	85.1	85.8	86.1	86.1	86.0	86.9	86.8	87.1	87.7
Ohio	1,414.4	1,417.8	1,420.9	1,424.7	1,425.7	1,425.6	1,426.3	1,429.5	1,429.4	1,431.8	1,431.0	1,434.1	1,442.2
Oklahoma	382.2	363.3	363.9	367.8	368.1	370.0	372.5	374.1	376.3	377.8	379.4	379.1	382.3
Oregon	382.1	383.5	387.1	390.2	391.2	391.8	393.7	395.0	392.0	397.9	397.0	400.5	399.1
Pennsylvania	1,846.8	1,852.5	1,855.1	1,859.2	1,863.5	1,868.2	1,872.8	1,877.4	1,879.3	1,889.1	1,893.9	1,700.5	1,707.0
Rhode Island	146.0	145.8	146.1	147.0	147.6	147.2	148.1	148.0	146.1	145.8	146.4	146.4	145.6
South Carolina	374.3	375.1	375.2	376.0	376.4	375.5	376.6	378.1	375.0	377.2	378.5	382.3	384.4
South Dakota	89.7	89.9	90.1	90.3	90.5	91.0	91.1	91.0	90.1	90.9	89.8	90.1	91.1
Tennessee	653.9	656.0	655.9	658.9	660.1	659.3	662.8	664.8	664.8	666.6	665.8	665.0	662.9
Texas	2,208.0	2,205.3	2,216.1	2,234.6	2,243.9	2,255.3	2,261.5	2,266.8	2,255.9	2,275.2	2,280.7	2,286.1	2,295.7
Utah	253.1	254.5	256.2	258.0	259.9	260.9	261.5	263.1	264.3	266.8	267.7	268.5	269.2
Vermont	82.0	81.6	80.8	80.9	81.1	81.8	82.1	82.0	83.0	82.5	82.6	82.5	83.1
Virginia	906.1	907.2	910.3	915.6	919.6	924.3	926.1	932.6	936.1	943.4	947.2	947.2	951.8
Washington	647.2	647.7	649.2	653.9	652.3	656.2	657.6	659.1	659.4	664.2	666.6	670.0	674.2
West Virginia	190.9	191.5	191.6	192.1	191.7	192.5	193.8	193.9	194.9	195.4	195.7	195.7	195.4
Wisconsin	651.6	653.0	654.8	658.8	661.9	666.7	669.2	672.0	668.6	670.2	674.1	673.7	678.2
Wyoming	48.1	48.0	48.2	48.3	48.3	48.6	48.1	48.0	47.9	48.1	48.4	48.0	48.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
Government													
Alabama	343.3	341.5	338.2	341.6	340.9	341.6	341.9	342.1	342.6	343.3	343.4	343.7	344.1
Alaska	72.6	73.4	73.4	73.1	73.4	73.3	73.3	73.0	73.2	73.5	73.2	73.3	71.6
Arizona	315.8	317.7	314.2	325.0	325.0	325.7	329.6	326.5	322.7	326.5	326.9	327.9	328.1
Arkansas	178.9	179.4	179.2	180.4	179.8	179.9	179.7	180.1	180.2	180.3	180.4	180.7	180.7
California	2,112.6	2,112.8	2,112.3	2,118.1	2,126.2	2,132.4	2,133.7	2,133.1	2,139.0	2,139.9	2,147.5	2,147.9	2,149.7
Colorado	309.1	308.4	308.1	308.2	310.2	310.4	310.6	310.5	313.3	310.5	309.9	309.7	311.0
Connecticut	222.6	222.6	223.1	223.7	225.4	227.3	226.7	227.0	224.7	226.8	225.3	228.5	227.0
Delaware	52.5	52.6	53.1	53.4	53.1	53.0	53.0	53.1	53.1	53.0	52.9	53.4	53.3
District of Columbia	242.0	240.8	239.3	239.5	238.6	238.7	237.9	237.5	235.2	234.3	232.1	231.4	231.3
Florida	926.1	924.1	920.3	921.0	928.3	928.4	942.5	936.2	947.8	942.1	940.4	942.6	945.2
Georgia	569.5	569.3	570.7	567.1	567.4	567.9	569.7	570.0	566.3	566.2	567.4	568.9	568.9
Hawaii	110.5	110.5	110.5	110.5	109.8	109.6	109.6	109.3	112.4	110.2	109.3	110.0	110.1
Idaho	96.9	96.2	97.7	98.5	98.1	99.3	99.6	99.6	98.3	98.4	98.0	97.9	98.0
Illinois	809.4	812.0	816.1	820.0	815.8	806.2	808.9	808.0	805.3	805.2	808.6	807.8	809.3
Indiana	397.7	397.3	378.9	390.1	396.1	395.7	397.3	393.7	386.5	390.1	389.3	389.2	393.0
Iowa	232.8	232.4	232.3	230.7	230.6	230.9	230.2	230.2	231.1	231.6	230.6	230.6	231.1
Kansas	237.5	233.4	227.0	230.0	233.6	239.6	246.5	240.2	237.3	237.2	240.1	236.8	239.7
Kentucky	289.3	290.5	291.0	290.1	287.5	290.1	290.4	290.9	290.8	292.4	291.7	292.8	294.7
Louisiana	361.3	362.1	358.4	360.5	362.1	360.7	360.9	361.3	360.8	363.1	364.0	364.6	365.1
Maine	92.1	93.3	92.9	93.1	94.1	93.5	93.3	93.6	93.3	93.2	93.4	93.1	92.2
Maryland	422.1	425.0	422.8	420.6	422.3	420.3	420.2	419.4	422.6	422.4	422.2	422.0	421.2
Massachusetts	398.3	398.8	399.9	400.2	404.8	402.2	403.0	403.1	401.1	400.6	401.2	402.4	402.0
Michigan	645.1	643.2	637.4	637.4	644.7	645.0	646.5	643.6	646.3	644.6	641.6	643.4	644.6
Minnesota	377.3	376.7	384.0	382.6	383.0	381.1	383.5	383.0	380.0	380.6	381.5	379.6	382.4
Mississippi	216.4	217.1	218.9	220.2	219.5	219.7	219.5	220.3	220.0	220.6	220.9	222.2	223.1
Missouri	398.1	401.0	396.6	397.5	398.6	404.8	404.9	405.0	405.0	407.4	408.4	409.6	411.9
Montana	78.4	75.1	76.3	76.2	76.4	77.6	78.7	77.2	78.0	77.9	77.6	78.0	77.5
Nebraska	150.9	151.3	151.6	152.2	152.0	152.2	153.3	152.5	152.9	152.2	152.6	152.5	150.3
Nevada	99.2	99.2	102.2	100.2	102.8	103.1	106.8	103.9	104.6	104.4	104.8	105.2	105.6
New Hampshire	79.1	79.4	79.2	79.0	79.1	79.1	79.8	79.4	80.3	79.8	79.9	81.6	81.2
New Jersey	568.2	568.0	568.6	566.2	569.2	568.6	567.9	566.9	568.7	567.5	566.5	566.4	566.4
New Mexico	170.0	172.1	172.2	172.3	171.8	172.3	173.1	173.6	172.8	172.8	172.2	173.4	173.3
New York	1,390.3	1,387.6	1,377.1	1,374.9	1,377.3	1,380.3	1,375.9	1,374.4	1,371.3	1,372.3	1,372.8	1,371.8	1,373.5
North Carolina	561.6	562.7	550.2	558.3	567.9	568.1	570.3	572.3	576.1	577.0	577.4	580.7	581.4
North Dakota	70.5	70.3	70.2	70.8	71.3	70.5	70.7	70.8	70.7	71.1	71.2	70.1	70.7
Ohio	753.0	753.7	751.6	758.2	749.8	750.3	752.1	753.2	751.7	753.8	753.0	750.8	754.4
Oklahoma	272.3	270.9	271.1	272.0	270.9	273.2	273.3	273.1	271.8	271.4	271.6	271.6	273.2
Oregon	246.1	245.6	246.4	244.3	246.5	246.2	251.2	247.8	248.9	249.9	249.3	249.5	246.7
Pennsylvania	721.8	711.1	721.3	722.2	723.2	722.5	722.2	723.1	723.2	726.5	723.2	724.3	725.5
Rhode Island	61.3	60.6	59.3	60.1	61.8	62.0	62.2	62.1	62.2	62.3	62.3	62.3	62.7
South Carolina	294.7	304.0	298.6	298.1	299.5	299.5	310.9	300.5	300.4	301.0	301.5	301.9	302.1
South Dakota	70.7	69.8	70.4	69.9	70.5	69.6	70.4	70.1	70.6	70.9	70.0	70.2	70.4
Tennessee	379.7	385.4	379.7	378.8	381.9	383.1	384.2	383.5	382.8	383.8	383.5	382.0	384.6
Texas	1,454.3	1,451.3	1,450.7	1,453.8	1,452.5	1,459.9	1,463.5	1,466.0	1,463.1	1,468.9	1,471.4	1,475.3	1,477.5
Utah	166.4	166.2	166.4	166.4	166.8	167.9	168.4	168.8	168.4	168.9	168.8	188.7	188.5
Vermont	45.3	45.0	45.1	45.2	45.5	45.3	45.5	45.7	45.0	45.6	45.1	45.5	44.8
Virginia	595.9	595.8	597.2	598.5	597.9	599.8	600.7	601.1	603.6	602.0	601.4	600.9	600.9
Washington	450.0	448.8	453.8	451.0	450.7	451.2	451.6	453.8	455.3	452.2	454.8	454.6	455.5
West Virginia	149.7	138.3	135.8	138.3	138.0	137.9	138.6	138.4	138.5	140.3	140.7	140.9	139.9
Wisconsin	380.8	384.2	383.7	387.1	384.2	383.2	386.9	384.3	384.6	385.2	384.9	384.7	386.3
Wyoming	58.6	58.7	59.2	59.6	59.0	58.9	59.0	58.8	59.1	59.0	59.1	58.8	59.0

1 Includes mining, not shown separately.
2 Mining is combined with construction.
P = preliminary.

NOTE: All data have been adjusted to March 1996 benchmarks and incorporate updated seasonal adjustment factors.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

B-8. Average weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
Total private	34.7	34.3	34.5	34.7	34.4	34.5	34.7	34.4	34.8	34.8	34.5	34.6	34.7
Goods-producing	41.1	41.0	41.1	41.1	41.1	41.1	41.3	41.1	41.2	41.4	41.4	41.4	41.2
Mining	45.6	45.0	45.2	45.3	45.4	45.3	45.7	44.7	45.8	45.9	45.3	46.1	45.3
Construction	38.8	38.7	38.8	38.7	38.9	38.8	38.9	38.6	38.8	38.9	38.9	39.4	38.7
Manufacturing	41.7	41.6	41.7	41.7	41.7	41.7	42.0	41.8	41.9	42.1	42.1	42.0	41.9
<i>Overtime hours</i>	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7	4.7	4.9	4.9	4.8	4.7
Durable goods	42.5	42.4	42.5	42.5	42.4	42.5	42.7	42.5	42.7	42.9	43.0	42.8	42.7
<i>Overtime hours</i>	4.8	4.7	4.8	4.8	4.7	4.8	4.9	5.0	5.0	5.2	5.3	5.2	5.0
Lumber and wood products	41.1	41.0	40.9	40.9	40.8	40.9	41.0	40.7	40.8	41.0	41.2	41.1	41.1
Furniture and fixtures	39.6	39.7	39.6	39.6	39.6	39.8	40.1	39.8	39.9	40.3	40.1	40.3	39.8
Stone, clay, and glass products	43.4	43.2	43.2	43.2	43.3	43.2	43.4	42.6	43.3	43.1	43.0	43.4	42.8
Primary metal industries	44.2	44.0	44.3	44.4	44.4	44.3	44.6	44.4	44.6	44.8	45.1	44.8	44.5
Blast furnaces and basic steel products	44.4	44.3	44.3	44.3	44.6	44.6	44.6	44.7	44.6	44.8	45.2	44.7	44.6
Fabricated metal products	42.6	42.4	42.4	42.4	42.3	42.3	42.4	42.4	42.5	42.6	42.9	42.6	42.5
Industrial machinery and equipment	43.1	43.0	43.0	43.1	43.0	43.1	43.3	43.2	43.4	43.5	43.9	43.5	43.4
Electronic and other electrical equipment	41.6	41.3	41.6	41.6	41.5	41.5	41.8	41.3	41.9	42.1	42.3	42.2	41.9
Transportation equipment	44.1	44.0	44.4	44.4	44.0	44.3	44.6	44.7	44.6	45.0	44.8	44.4	44.8
Motor vehicles and equipment	45.3	45.2	45.6	45.3	44.8	44.9	45.2	45.8	45.3	45.7	45.3	45.1	45.6
Instruments and related products	41.9	41.6	41.8	41.8	41.8	41.9	42.0	41.8	42.1	42.0	41.9	41.9	42.0
Miscellaneous manufacturing	39.7	39.7	39.7	39.9	39.8	39.9	40.4	39.9	40.5	40.2	40.5	40.3	40.2
Nondurable goods	40.7	40.5	40.6	40.7	40.8	40.7	40.9	40.7	40.8	40.9	40.9	40.8	40.7
<i>Overtime hours</i>	4.1	4.1	4.1	4.1	4.1	4.2	4.3	4.2	4.3	4.4	4.4	4.3	4.2
Food and kindred products	41.0	40.8	40.8	41.0	41.1	41.1	41.3	41.2	41.3	41.3	41.1	41.4	41.1
Tobacco products	39.4	39.5	39.7	40.4	39.8	40.6	41.1	39.9	40.8	40.2	39.0	38.5	37.9
Textile mill products	40.9	40.9	40.9	40.9	40.9	41.2	41.5	41.2	40.9	41.2	41.7	41.3	41.0
Apparel and other textile products	37.5	37.1	37.4	37.3	37.3	37.3	37.4	37.2	37.2	37.5	37.5	37.1	37.3
Paper and allied products	43.4	43.3	43.4	43.5	43.4	43.6	43.7	43.7	43.7	43.8	43.9	43.8	43.3
Printing and publishing	38.2	38.2	38.3	38.3	38.2	38.2	38.4	38.3	38.5	38.6	38.5	38.3	38.4
Chemicals and allied products	43.4	43.2	43.2	43.1	43.1	43.3	43.5	43.2	43.3	43.3	43.1	43.4	43.3
Petroleum and coal products	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Rubber and misc. plastics products	41.5	41.5	41.6	41.6	41.5	41.3	41.8	41.4	41.7	41.8	42.0	41.6	41.5
Leather and leather products	38.4	38.3	38.6	38.7	38.6	38.9	38.8	38.4	38.9	38.7	38.5	38.1	37.9
Service-producing	33.0	32.5	32.7	32.9	32.6	32.7	33.0	32.7	33.0	33.0	32.7	32.7	33.0
Transportation and public utilities	39.9	39.4	39.7	39.8	39.6	39.8	39.9	39.5	39.7	39.8	39.3	39.5	39.4
Wholesale trade	38.6	38.1	38.3	38.4	38.2	38.3	38.5	38.2	38.6	38.6	38.4	38.4	38.7
Retail trade	29.0	28.7	28.8	28.9	28.8	28.9	29.0	28.8	29.1	29.1	28.9	29.0	29.0
Finance, insurance, and real estate	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Services	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)

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

² These series are not published seasonally adjusted because the seasonal components, which are small relative to the trend-cycle and

irregular components, cannot be separated with sufficient precision.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1993 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

B-9. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(1982 = 100)

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
Total private	137.6	136.1	137.1	137.9	137.2	137.9	139.1	138.2	140.0	140.2	139.6	140.1	140.7
Goods-producing	111.4	110.9	111.4	111.3	111.4	111.7	112.4	112.0	113.1	113.3	113.3	113.7	112.9
Mining	55.8	54.7	55.1	54.9	55.0	55.2	55.7	54.8	56.4	56.6	55.8	57.5	56.3
Construction	147.4	147.4	148.2	148.1	149.4	150.0	151.2	151.0	154.5	154.0	153.2	156.0	152.7
Manufacturing	107.3	106.8	107.2	107.1	106.9	107.2	107.8	107.4	107.9	108.3	108.5	108.3	108.0
Durable goods	109.4	108.9	109.5	109.4	109.2	109.6	110.3	110.0	110.7	111.3	111.7	111.5	111.3
Lumber and wood products	139.5	139.0	139.3	138.6	139.4	140.1	140.9	140.3	140.7	142.2	143.3	143.4	143.0
Furniture and fixtures	123.6	124.2	123.9	123.9	123.6	124.5	125.7	125.1	125.7	127.3	126.7	127.6	126.4
Stone, clay, and glass products	110.2	109.7	109.9	109.9	110.7	110.2	111.0	108.9	111.0	110.0	109.2	110.2	108.7
Primary metal industries	93.2	91.6	93.2	93.2	92.9	92.7	93.3	93.1	93.5	93.9	94.5	93.7	93.3
Blast furnaces and basic steel products	74.1	74.0	74.0	74.0	72.9	72.9	72.9	73.4	72.9	73.2	73.8	72.6	72.5
Fabricated metal products	114.9	114.7	115.0	115.1	114.9	115.1	115.5	115.7	116.2	116.7	118.0	117.1	117.0
Industrial machinery and equipment	104.8	104.5	104.6	104.4	104.6	104.9	105.7	106.0	106.9	107.7	109.2	108.3	108.0
Electronic and other electrical equipment	108.4	107.8	108.4	108.1	107.5	107.4	108.0	106.6	108.3	108.8	109.1	109.1	108.7
Transportation equipment	123.5	123.0	124.9	124.2	123.1	124.7	125.5	126.4	126.1	127.6	126.5	126.9	127.7
Motor vehicles and equipment	168.4	165.8	168.1	166.6	163.7	164.3	165.6	167.7	165.9	167.9	164.4	165.9	168.6
Instruments and related products	75.6	74.7	75.4	75.4	75.4	75.6	75.8	75.1	76.0	75.4	75.1	75.1	75.4
Miscellaneous manufacturing	102.0	101.6	101.3	101.8	101.5	101.8	103.4	102.5	104.1	102.5	103.3	103.2	102.5
Nondurable goods	104.5	103.9	104.0	103.9	103.9	103.9	104.5	104.0	104.0	104.3	104.2	104.0	103.6
Food and kindred products	115.6	114.7	114.7	115.1	115.7	116.0	116.9	117.0	117.0	117.4	117.0	117.3	116.4
Tobacco products	62.5	62.6	61.0	64.0	63.1	66.4	65.1	63.2	64.7	63.7	59.9	59.1	58.2
Textile mill products	89.7	89.4	89.2	89.0	89.2	89.4	90.0	89.4	88.2	88.8	89.6	88.5	87.9
Apparel and other textile products	78.0	77.2	78.9	76.4	76.0	75.5	75.3	74.6	74.2	74.3	73.9	73.0	73.0
Paper and allied products	109.0	108.5	109.0	109.4	109.4	109.9	110.2	110.2	110.2	110.2	110.4	110.4	109.1
Printing and publishing	123.7	123.7	124.0	123.7	123.6	123.4	123.9	123.3	123.9	124.3	124.7	125.1	125.4
Chemicals and allied products	102.0	101.0	101.0	100.6	100.4	100.7	101.0	100.1	100.3	100.3	99.9	100.7	100.0
Petroleum and coal products	78.2	77.1	77.1	76.8	75.0	76.6	77.0	78.0	76.3	76.1	73.6	75.0	74.7
Rubber and misc. plastics products	142.9	143.0	144.1	143.8	143.4	142.9	144.5	143.1	144.5	145.0	145.9	144.7	144.6
Leather and leather products	43.7	43.0	43.3	42.8	42.7	42.4	43.5	42.5	43.0	42.8	42.0	41.6	40.8
Service-producing	149.3	147.5	148.8	149.9	148.7	149.7	151.0	150.0	152.1	152.3	151.3	151.9	153.2
Transportation and public utilities	128.9	127.6	128.7	129.0	128.5	129.2	129.3	129.3	130.5	131.4	130.1	130.9	130.3
Wholesale trade	123.7	122.2	123.2	123.9	123.7	124.2	125.0	124.3	125.9	126.3	125.7	125.6	126.7
Retail trade	135.6	134.5	135.2	135.8	135.9	136.7	137.6	136.7	138.2	138.5	137.9	138.4	138.5
Finance, insurance, and real estate	127.6	124.0	125.2	128.1	123.6	126.0	128.3	124.7	128.9	129.0	126.7	127.4	131.6
Services	178.8	176.5	178.0	179.9	178.2	179.1	181.1	180.2	182.6	182.6	181.7	182.3	184.4

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 1996 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1993 forward are subject to revision.

**ESTABLISHMENT DATA
ALL-EMPLOYEE HOURS
SEASONALLY ADJUSTED**

B-10. Hours of wage and salary workers on nonfarm payrolls by major industry, seasonally adjusted

Industry	Millions of hours (annual rate) ¹			Percent change		
	April 1997 ^r	May 1997 ^r	June 1997 ^P	June 1996 to June 1997 ^P	April 1997 to May 1997 ^r	May 1997 to June 1997 ^P
Total	224,634	222,856	224,147	2.1	-0.8	0.6
Private sector	186,196	186,512	187,362	2.3	.2	.5
Mining	1,354	1,381	1,361	-6	2.0	-1.4
Construction	11,326	11,524	11,316	3.7	1.8	-1.8
Manufacturing	40,310	40,222	40,166	.4	-2	-1
Durable goods	24,062	24,007	23,997	1.3	-2	.0
Nondurable goods	16,248	16,215	16,169	-8	-2	-3
Transportation and public utilities	13,185	13,196	13,186	1.4	.1	-1
Wholesale trade	13,223	13,239	13,344	2.8	.1	.8
Retail trade	33,105	33,206	33,294	2.2	.3	.3
Finance, insurance, and real estate	13,092	13,142	13,534	2.6	.4	3.0
Services	60,602	60,601	61,161	3.3	.0	.9
Government	38,438	36,344	36,785	1.2	-5.4	1.2

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 2490, chapter 10, "Productivity Measures: Business Sector and Major Subsectors".

SOURCE: Office of Productivity and Technology (202—606-5606). Historical data for this series also are available on the Internet at the following address: <http://stats.bls.gov/special.requests/opt/tableb10>

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

B-11. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, seasonally adjusted

Industry	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^p	June ^p
Average hourly earnings													
Total private (in current dollars)	\$11.81	\$11.81	\$11.86	\$11.91	\$11.91	\$11.98	\$12.03	\$12.05	\$12.10	\$12.14	\$12.14	\$12.18	\$12.22
Goods-producing	13.45	13.49	13.54	13.57	13.57	13.62	13.69	13.73	13.76	13.79	13.80	13.85	13.87
Mining	15.59	15.61	15.65	15.70	15.67	15.77	15.88	15.98	15.96	15.94	15.96	16.07	16.20
Construction	15.41	15.47	15.52	15.59	15.58	15.58	15.69	15.73	15.79	15.80	15.86	15.91	15.93
Manufacturing	12.77	12.80	12.85	12.87	12.87	12.93	12.99	13.02	13.03	13.07	13.07	13.11	13.13
Excluding overtime ²	12.11	12.14	12.19	12.20	12.21	12.26	12.29	12.34	12.35	12.37	12.38	12.38	12.43
Service-producing	11.26	11.25	11.29	11.35	11.35	11.43	11.47	11.49	11.54	11.59	11.58	11.62	11.68
Transportation and public utilities	14.47	14.45	14.50	14.51	14.43	14.53	14.56	14.74	14.64	14.73	14.76	14.81	14.79
Wholesale trade	12.94	12.84	12.91	13.03	12.93	13.08	13.17	13.12	13.23	13.30	13.27	13.30	13.38
Retail trade	8.00	7.98	8.01	8.04	8.10	8.13	8.16	8.19	8.21	8.25	8.26	8.28	8.30
Finance, insurance, and real estate	12.82	12.80	12.84	12.91	12.86	12.98	13.00	12.95	13.08	13.12	13.00	13.16	13.26
Services	11.77	11.78	11.83	11.89	11.91	11.99	12.04	12.05	12.12	12.16	12.16	12.19	12.25
Total private (in constant (1982) dollars)³	7.44	7.42	7.44	7.45	7.42	7.44	7.45	7.46	7.47	7.49	7.49	7.52	(⁴)
Goods-producing	8.47	8.47	8.49	8.49	8.45	8.46	8.48	8.50	8.50	8.51	8.52	8.55	(⁴)
Service-producing	7.09	7.07	7.08	7.10	7.07	7.10	7.11	7.11	7.13	7.15	7.15	7.17	(⁴)
Average weekly earnings													
Total private (in current dollars)	409.81	405.08	409.17	413.28	409.70	413.31	417.44	414.52	421.08	422.47	418.83	421.43	424.03
Goods-producing	552.80	553.09	556.49	557.73	557.73	559.78	565.40	564.30	566.91	570.91	571.32	573.39	571.44
Mining	710.90	702.45	707.38	711.21	711.42	714.38	725.72	714.31	730.97	731.65	722.99	740.83	733.86
Construction	597.91	598.69	602.18	603.33	606.06	604.50	610.34	607.18	612.65	614.62	616.95	626.85	616.49
Manufacturing	532.51	532.48	535.85	536.68	536.68	539.18	545.58	544.24	545.96	550.25	550.25	550.62	550.15
Service-producing	371.58	365.63	369.18	373.42	370.01	373.76	378.51	375.72	380.82	382.47	378.67	379.97	385.44
Transportation and public utilities	577.35	569.33	575.65	577.50	571.43	578.29	580.94	582.23	581.21	586.25	580.07	585.00	582.73
Wholesale trade	499.48	489.20	494.45	500.35	493.93	500.96	507.05	501.18	510.68	513.38	509.57	510.72	517.81
Retail trade	232.00	229.03	230.69	232.36	233.28	234.96	236.64	235.87	238.91	240.08	238.71	240.12	240.70
Finance, insurance, and real estate	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Services	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)	(⁴)
Total private (in constant (1982) dollars)³	258.07	254.45	256.69	258.46	255.26	256.71	258.64	256.51	260.09	260.78	258.54	260.14	(⁴)
Goods-producing	348.11	347.42	349.12	348.80	347.50	347.69	350.31	349.20	350.16	352.41	352.67	353.94	(⁴)
Service-producing	233.99	229.67	231.61	233.53	230.54	232.15	234.52	232.50	235.22	236.09	233.75	234.55	(⁴)

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

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

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

⁴ Not available.

⁵ These series are not computed because the average weekly hours' components are not available on a seasonally adjusted basis.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1993 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Total		119,888	120,537	121,436	122,482	123,109	-	-	-	-	-
Total private		100,044	101,038	101,483	102,476	103,417	82,001	82,902	83,107	84,027	84,832
Mining		576	582	567	574	582	427	434	427	435	441
Metal mining	10	53.7	55.4	53.6	54.2	55.8	42.7	44.1	41.2	41.8	-
Iron ores	101	8.5	8.8	8.4	8.6	-	7.1	7.3	6.9	7.1	-
Copper ores	102	16.2	16.6	16.2	16.3	-	12.8	13.1	12.3	12.4	-
Coal mining	12	96.8	97.2	92.6	92.6	92.6	79.1	79.4	76.2	76.0	-
Bituminous coal and lignite mining	122	90.1	90.4	86.4	86.4	-	73.5	73.8	70.9	70.7	-
Oil and gas extraction	13	317.2	320.0	313.8	317.6	321.9	222.2	225.7	228.9	233.5	-
Crude petroleum and natural gas	131	145.4	145.6	132.2	132.6	-	79.7	80.5	75.3	76.6	-
Oil and gas field services	138	166.7	169.2	177.5	180.9	-	138.9	141.4	150.4	153.7	-
Nonmetallic minerals, except fuels	14	108.1	109.8	106.7	109.8	111.8	82.9	84.6	80.8	83.6	-
Crushed and broken stone	142	41.1	41.6	40.7	41.7	-	32.3	32.9	31.9	32.6	-
Sand and gravel	144	35.7	36.7	35.3	37.4	-	-	-	-	-	-
Chemical and fertilizer minerals	147	12.9	13.0	12.3	12.2	-	-	-	-	-	-
Construction		5,430	5,616	5,437	5,668	5,830	4,216	4,386	4,184	4,404	4,548
General building contractors	15	1,250.2	1,296.9	1,260.1	1,294.4	1,336.1	883.2	924.8	882.0	913.5	-
Residential building construction	152	639.2	683.4	643.9	662.4	-	434.2	455.2	433.3	450.5	-
Operative builders	153	26.2	27.2	26.9	27.2	-	11.1	11.9	10.8	11.0	-
Nonresidential building construction	154	584.8	606.3	589.3	604.8	-	437.9	457.7	437.9	452.0	-
Heavy construction, except building	16	799.9	828.9	746.7	805.7	818.3	670.9	699.3	620.3	678.0	-
Highway and street construction	161	252.8	272.8	222.9	263.9	-	207.8	227.6	179.5	219.5	-
Heavy construction, except highway	162	547.1	556.1	523.8	541.8	-	463.1	471.7	440.8	458.5	-
Special trade contractors	17	3,379.4	3,490.1	3,430.1	3,568.1	3,676.0	2,661.4	2,761.8	2,681.9	2,812.7	-
Plumbing, heating, and air conditioning	171	750.0	771.2	771.0	781.6	-	552.3	570.1	566.1	576.1	-
Painting and paper hanging	172	194.2	203.1	189.6	201.4	-	160.5	169.1	155.7	167.4	-
Electrical work	173	616.8	637.5	650.8	662.9	-	481.9	501.3	509.3	520.7	-
Masonry, stonework, and plastering	174	443.1	457.2	455.7	474.2	-	384.0	396.3	388.6	405.8	-
Carpentry and floor work	175	237.1	240.2	246.5	254.4	-	180.0	182.7	187.1	194.9	-
Roofing, siding, and sheet metal work	176	228.4	238.6	229.1	237.8	-	184.7	194.7	182.4	190.6	-
Manufacturing		18,447	18,558	18,409	18,479	18,605	12,739	12,825	12,712	12,775	12,872
Durable goods		10,775	10,839	10,836	10,880	10,946	7,383	7,433	7,434	7,475	7,526
Lumber and wood products	24	774.1	790.6	786.3	796.6	808.7	634.7	650.8	646.4	655.6	667.5
Logging	241	77.0	80.8	74.6	76.6	-	61.6	65.5	59.0	61.0	-
Sawmills and planing mills	242	181.2	183.8	185.2	186.5	-	156.9	159.3	161.2	162.5	-
Sawmills and planing mills, general	2421	143.8	145.9	147.6	148.9	-	124.1	126.1	128.1	129.3	-
Hardwood dimension and flooring mills	2426	35.6	36.0	35.6	35.6	-	31.2	31.6	31.4	31.5	-
Millwork, plywood, and structural members	243	286.5	293.5	292.1	296.5	-	229.3	235.8	234.5	238.1	-
Millwork	2431	112.9	116.1	116.4	118.5	-	87.1	89.9	89.4	91.1	-
Wood kitchen cabinets	2434	78.5	80.4	80.4	81.5	-	63.2	64.9	64.8	65.9	-
Hardwood veneer and plywood	2435	27.8	27.9	27.9	28.2	-	23.6	23.8	23.9	23.9	-
Softwood veneer and plywood	2436	30.5	31.1	30.0	30.2	-	27.3	28.0	27.9	28.1	-
Wood containers	244	51.9	52.7	53.7	54.0	-	44.0	44.7	45.8	45.9	-
Wood buildings and mobile homes	245	88.7	90.7	90.3	92.2	-	70.7	72.6	72.3	74.7	-
Mobile homes	2451	67.2	68.7	68.6	69.6	-	56.4	57.6	57.3	58.5	-
Miscellaneous wood products	249	88.8	89.1	90.4	90.8	-	72.2	72.9	73.6	73.4	-
Furniture and fixtures	25	503.5	504.9	506.1	508.1	510.9	397.7	398.7	401.4	403.4	405.7
Household furniture	251	278.0	276.2	276.0	275.7	-	233.0	231.0	232.9	232.8	-
Wood household furniture	2511	124.3	124.4	124.3	123.7	-	106.7	106.7	107.7	107.1	-
Upholstered household furniture	2512	86.1	85.7	86.0	86.2	-	72.3	72.0	72.6	72.9	-
Metal household furniture	2514	22.6	21.2	21.0	21.0	-	18.6	17.1	17.5	17.5	-
Mattresses and bedsprings	2515	32.7	32.3	33.0	33.0	-	25.1	24.7	25.4	25.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Durable goods—Continued											
Furniture and fixtures—Continued											
Office furniture	252	61.5	61.9	61.2	61.7	-	45.2	45.6	45.1	45.4	-
Public building and related furniture	253	43.3	43.9	44.4	44.9	-	34.2	34.6	35.1	35.4	-
Partitions and fixtures	254	83.1	85.0	85.6	86.6	-	60.7	62.5	62.8	63.8	-
Miscellaneous furniture and fixtures	259	37.6	37.9	38.9	39.2	-	24.6	25.0	25.5	26.0	-
Stone, clay, and glass products	32	546.7	552.1	538.8	546.2	550.9	425.7	431.0	419.2	425.9	430.6
Flat glass	321	15.3	15.4	15.4	15.4	-	12.2	12.2	12.4	12.4	-
Glass and glassware, pressed or blown	322	72.3	72.5	71.0	70.2	-	60.7	61.2	58.9	58.1	-
Glass containers	3221	28.3	28.6	25.9	25.7	-	25.4	25.7	23.2	23.0	-
Pressed and blown glass, nec	3229	44.0	43.9	45.1	44.5	-	35.3	35.5	35.7	35.1	-
Products of purchased glass	323	60.0	60.3	57.7	58.5	-	46.7	46.8	44.9	45.5	-
Cement, hydraulic	324	17.3	17.9	17.2	17.3	-	13.1	13.6	13.1	13.2	-
Structural clay products	325	33.4	33.5	33.2	33.5	-	26.0	26.2	26.0	26.2	-
Pottery and related products	326	40.7	40.4	39.7	39.4	-	32.1	32.1	31.5	31.2	-
Concrete, gypsum, and plaster products	327	216.4	220.5	213.6	220.6	-	165.8	169.7	163.2	169.8	-
Concrete block and brick	3271	18.0	18.1	18.0	18.6	-	11.3	11.5	11.5	12.0	-
Concrete products, nec	3272	71.0	71.8	72.3	73.7	-	53.4	54.3	54.6	55.7	-
Ready-mixed concrete	3273	109.7	112.8	105.9	110.9	-	87.2	89.9	83.3	88.4	-
Misc. nonmetallic mineral products	329	76.8	77.0	76.3	76.5	-	58.4	58.5	58.5	58.7	-
Abrasive products	3291	20.0	20.0	19.5	19.6	-	15.6	15.6	15.5	15.5	-
Asbestos products	3292	2.7	2.7	2.7	2.7	-	2.3	2.2	2.2	2.2	-
Mineral wool	3296	23.5	23.7	23.7	23.7	-	-	-	-	-	-
Primary metal industries	33	710.4	714.6	708.5	706.9	710.2	553.4	557.7	553.2	552.5	555.0
Blast furnaces and basic steel products	331	241.3	242.3	234.8	234.6	236.7	185.4	187.0	180.9	180.8	182.5
Blast furnaces and steel mills	3312	170.4	170.7	163.0	162.3	-	131.5	132.4	126.6	126.1	-
Steel pipe and tubes	3317	26.9	27.2	26.6	26.8	-	20.4	20.6	20.2	20.4	-
Iron and steel foundries	332	128.6	129.9	130.3	130.3	-	105.1	106.4	106.9	107.0	-
Gray and ductile iron foundries	3321	81.5	82.2	82.6	82.4	-	67.3	68.1	68.4	68.3	-
Malleable iron foundries	3322	4.0	4.1	3.8	3.8	-	3.1	3.2	2.9	3.0	-
Steel foundries, nec	3325	26.7	27.2	26.4	26.4	-	21.8	22.2	21.8	21.7	-
Primary nonferrous metals	333	39.5	39.8	38.9	38.9	-	30.3	30.4	30.0	30.0	-
Primary aluminum	3334	23.0	23.1	22.3	22.2	-	18.3	18.2	18.0	17.9	-
Nonferrous rolling and drawing	335	167.7	168.4	168.4	167.9	-	127.8	127.9	128.6	128.4	-
Copper rolling and drawing	3351	22.1	22.3	22.4	22.3	-	17.1	17.3	17.6	17.5	-
Aluminum sheet, plate, and foil	3353	21.5	21.7	21.6	21.4	-	15.5	15.7	16.0	15.8	-
Nonferrous wire drawing and insulating	3357	73.2	72.9	72.4	72.2	-	56.0	55.4	54.8	54.7	-
Nonferrous foundries (castings)	336	88.3	89.1	90.5	89.8	-	71.9	73.0	73.5	73.0	-
Aluminum foundries	3365	23.9	24.0	24.5	24.3	-	19.6	19.8	20.1	19.9	-
Fabricated metal products	34	1,440.8	1,453.6	1,463.8	1,468.3	1,476.8	1,082.3	1,093.4	1,103.7	1,107.1	1,114.9
Metal cans and shipping containers	341	38.5	39.6	38.0	37.5	-	32.9	34.0	32.5	32.0	-
Metal cans	3411	30.9	32.1	30.7	30.2	-	26.8	27.9	26.6	26.1	-
Cutlery, handtools, and hardware	342	124.0	125.0	126.0	125.7	-	93.4	94.2	95.8	95.7	-
Hand and edge tools, and blades and handsaws	3423.5	43.3	43.6	43.2	43.0	-	33.3	33.8	33.4	33.3	-
Hardware, nec	3429	68.6	69.3	70.4	70.5	-	52.0	52.4	53.6	53.6	-
Plumbing and heating, except electric	343	56.2	56.8	58.5	58.6	-	39.9	40.6	41.6	42.1	-
Plumbing fixture fittings and trim	3432	23.2	23.3	23.4	23.3	-	16.9	16.9	16.9	17.1	-
Heating equipment, except electric	3433	19.6	19.6	20.9	21.0	-	13.0	13.2	13.9	14.1	-
Fabricated structural metal products	344	434.5	440.5	444.9	447.2	-	317.1	321.9	326.6	328.0	-
Fabricated structural metal	3441	73.8	75.0	76.0	76.4	-	54.3	55.2	55.9	56.3	-
Metal doors, sash, and trim	3442	75.3	77.1	75.6	76.6	-	55.8	57.2	55.9	57.0	-
Fabricated plate work (boiler shops)	3443	100.8	101.1	101.1	101.2	-	72.4	72.7	73.0	72.7	-
Sheet metal work	3444	114.7	116.5	120.0	120.6	-	87.4	89.0	92.6	92.7	-
Architectural metal work	3446	29.2	29.7	30.3	30.2	-	20.6	21.0	21.6	21.5	-
Screw machine products, bolts, etc	345	100.5	101.0	103.2	103.7	-	78.8	79.5	81.1	81.3	-
Screw machine products	3451	52.4	52.4	53.7	54.1	-	42.8	43.0	43.8	44.0	-
Bolts, nuts, rivets, and washers	3452	48.1	48.6	49.5	49.6	-	36.0	36.5	37.3	37.3	-
Metal forgings and stampings	346	254.1	254.4	253.6	254.5	-	204.0	204.2	203.1	203.0	-
Iron and steel forgings	3462	30.3	30.5	31.5	31.6	-	23.2	23.3	24.2	24.2	-
Automotive stampings	3465	118.6	118.5	115.5	115.9	-	100.1	100.2	95.9	95.9	-
Metal stampings, nec	3469	93.2	93.3	95.3	95.8	-	71.5	71.5	74.4	74.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Durable goods—Continued											
Fabricated metal products—Continued											
Metal services, nec	347	131.8	133.8	140.1	141.1	-	103.7	105.4	112.0	113.5	-
Plating and polishing	3471	80.4	81.5	86.4	86.7	-	63.5	64.4	69.5	70.2	-
Metal coating and allied services	3479	51.4	52.3	53.7	54.4	-	40.2	41.0	42.5	43.3	-
Ordnance and accessories, nec	348	47.9	47.8	43.5	42.8	-	26.4	26.3	23.3	22.8	-
Ammunition, except for small arms, nec	3483	24.3	24.3	22.4	22.3	-	10.4	10.3	9.3	9.3	-
Miscellaneous fabricated metal products	349	253.3	254.7	256.0	257.2	-	186.1	187.3	187.7	188.7	-
Valves and pipe fittings, nec	3494	24.8	25.1	25.3	25.4	-	18.6	18.8	18.6	18.7	-
Misc. fabricated wire products	3496	55.0	55.0	55.3	55.4	-	41.5	41.6	41.8	41.8	-
Industrial machinery and equipment	35	2,117.3	2,124.4	2,145.7	2,148.2	2,157.6	1,323.7	1,325.3	1,354.0	1,354.7	1,357.8
Engines and turbines	351	83.7	84.8	82.9	82.5	-	52.2	53.1	53.6	53.5	-
Turbines and turbine generator sets	3511	29.8	24.8	24.3	24.2	-	13.3	13.8	13.7	13.7	-
Internal combustion engines, nec	3519	59.9	60.0	58.6	58.3	-	38.9	39.3	39.9	39.8	-
Farm and garden machinery	352	99.8	97.0	108.5	107.5	-	72.4	69.9	80.2	78.8	-
Farm machinery and equipment	3523	73.9	73.2	76.2	76.9	-	52.6	52.4	55.1	55.4	-
Construction and related machinery	353	233.2	233.6	236.7	237.8	-	152.5	151.8	153.6	154.7	-
Construction machinery	3531	87.2	87.2	87.1	87.6	-	60.1	59.4	59.6	60.0	-
Mining machinery	3532	16.9	16.8	16.8	16.6	-	10.1	10.0	10.0	9.8	-
Oil and gas field machinery	3533	40.4	40.7	43.1	43.5	-	27.3	27.4	29.1	29.4	-
Conveyors and conveying equipment	3535	40.1	40.4	41.4	41.5	-	22.8	22.8	23.2	23.4	-
Industrial trucks and tractors	3537	30.1	30.0	30.0	30.2	-	20.7	20.7	20.6	20.9	-
Metalworking machinery	354	345.7	346.0	348.8	348.9	-	245.5	245.0	249.1	248.6	-
Machine tools, metal cutting types	3541	41.4	41.5	41.9	42.0	-	25.3	25.2	26.1	26.0	-
Machine tools, metal forming types	3542	17.5	17.5	17.3	17.2	-	11.4	11.3	11.1	11.0	-
Special dies, tools, jigs, and fixtures	3544	165.3	165.2	167.9	167.9	-	125.7	125.5	128.6	128.4	-
Machine tool accessories	3545	52.8	52.8	53.3	53.2	-	37.2	37.0	37.4	37.3	-
Power driven handtools	3546	22.8	22.9	21.6	21.6	-	15.7	15.9	15.1	15.1	-
Special industry machinery	355	179.1	179.0	175.1	174.9	-	100.2	99.8	98.6	97.9	-
Textile machinery	3552	15.1	15.0	14.8	14.8	-	10.0	9.9	10.0	9.9	-
Printing trades machinery	3555	23.0	23.0	21.8	21.9	-	12.7	12.7	12.4	12.4	-
Food products machinery	3556	25.6	25.6	25.4	24.7	-	15.5	15.6	15.2	14.8	-
General industrial machinery	356	257.5	258.7	257.0	257.5	-	164.6	165.3	164.5	164.6	-
Pumps and pumping equipment	3561	30.0	30.3	30.7	30.7	-	17.0	17.3	17.5	17.6	-
Ball and roller bearings	3562	39.9	40.0	39.7	39.6	-	31.6	31.8	31.2	31.1	-
Air and gas compressors	3563	26.6	26.5	25.6	25.6	-	15.4	15.3	14.9	15.0	-
Blowers and fans	3564	34.9	35.3	35.3	35.3	-	23.2	23.5	23.8	23.7	-
Speed changers, drives, and gears	3566	17.5	17.6	17.5	17.6	-	12.3	12.4	12.4	12.5	-
Power transmission equipment, nec	3568	21.5	21.6	21.4	21.6	-	14.9	14.9	15.0	15.0	-
Computer and office equipment	357	363.2	365.9	373.4	375.7	377.6	127.6	128.2	138.3	140.2	-
Electronic computers	3571	189.1	189.8	193.6	194.1	-	54.1	54.3	62.3	63.0	-
Computer terminals, calculators, and office machines, nec	3575,8,9	58.5	59.4	59.1	59.4	-	22.4	23.2	23.7	24.0	-
Refrigeration and service machinery	358	206.3	208.9	206.0	206.2	-	148.6	151.2	150.5	149.2	-
Refrigeration and heating equipment	3585	144.1	146.6	144.2	142.6	-	109.8	112.2	110.5	109.2	-
Misc. industrial and commercial machinery	359	348.8	350.5	355.3	357.2	-	260.1	261.0	265.6	267.2	-
Carburetors, pistons, rings, valves	3592	22.5	22.8	23.1	23.2	-	17.7	17.9	18.2	18.2	-
Scales, balances, and industrial machinery, nec	3596,9	280.5	281.6	284.9	286.5	-	214.6	214.8	217.9	219.3	-
Electronic and other electrical equipment	36	1,649.9	1,656.9	1,638.3	1,641.0	1,652.7	1,052.3	1,055.2	1,038.8	1,042.2	1,050.4
Electric distribution equipment	361	82.0	82.0	79.8	79.8	-	56.2	55.7	54.5	54.7	-
Transformers, except electronic	3612	40.5	40.4	37.9	37.8	-	28.9	28.5	26.8	26.8	-
Switchgear and switchboard apparatus	3613	41.5	41.6	41.9	42.0	-	27.3	27.2	27.7	27.9	-
Electrical industrial apparatus	362	155.5	156.3	153.9	153.7	-	109.1	109.7	107.2	106.8	-
Motors and generators	3621	75.9	75.9	74.1	74.1	-	59.2	59.2	57.7	57.6	-
Relays and industrial controls	3625	59.7	60.3	59.5	59.3	-	35.4	35.9	34.8	34.4	-
Household appliances	363	122.4	123.4	113.2	114.5	-	97.5	98.5	88.9	89.7	-
Household refrigerators and freezers	3632	31.2	31.4	25.3	25.3	-	26.0	26.1	19.6	19.5	-
Household laundry equipment	3633	16.3	16.8	16.8	17.0	-	13.4	13.7	13.3	13.5	-
Electric housewares and fans	3634	27.7	27.9	25.5	26.3	-	20.9	21.8	19.7	20.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Durable goods—Continued											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment	364	177.6	178.0	177.2	177.2	-	126.8	127.1	126.7	126.6	-
Electric lamps	3641	22.5	22.4	22.6	22.7	-	17.3	17.1	17.6	17.5	-
Current-carrying wiring devices	3643	62.1	62.1	61.5	61.8	-	40.5	40.6	40.0	40.4	-
Noncurrent-carrying wiring devices	3644	16.9	17.0	17.7	17.5	-	12.7	12.9	13.5	13.4	-
Residential lighting fixtures	3645	20.5	20.2	20.0	19.8	-	15.6	15.3	15.0	14.7	-
Household audio and video equipment	365	81.9	81.7	78.4	77.8	-	55.4	55.1	50.5	49.3	-
Household audio and video equipment	3651	54.4	54.3	53.5	53.8	-	34.3	34.2	31.5	31.3	-
Communications equipment	366	267.5	268.9	270.3	269.9	-	130.3	130.3	128.4	129.1	-
Telephone and telegraph apparatus	3661	111.3	111.9	113.1	113.1	-	58.1	58.1	56.7	57.0	-
Electronic components and accessories	367	609.9	613.1	617.0	620.4	626.9	366.3	367.2	375.1	379.2	-
Electron tubes	3671	22.8	22.7	22.4	22.5	-	15.8	15.9	16.2	16.2	-
Semiconductors and related devices	3674	256.5	259.9	258.3	260.2	-	116.5	117.2	118.5	121.0	-
Electronic components, nec	3679	136.3	136.9	138.9	139.6	-	90.2	91.0	93.9	94.7	-
Misc. electrical equipment and supplies	369	153.1	153.5	148.5	147.7	-	110.7	111.6	107.5	106.8	-
Storage batteries	3691	27.0	27.1	27.1	26.2	-	21.1	21.2	20.9	20.0	-
Engine electrical equipment	3694	68.2	68.4	66.5	65.9	-	53.9	54.3	52.9	52.6	-
Transportation equipment	37	1,790.2	1,794.9	1,809.5	1,823.0	1,830.7	1,217.3	1,223.0	1,227.8	1,242.2	1,250.3
Motor vehicles and equipment	371	974.8	981.6	960.3	971.5	972.4	773.4	778.4	757.4	770.2	774.7
Motor vehicles and car bodies	3711	350.7	352.8	331.7	333.5	-	272.2	273.8	253.4	257.2	-
Truck and bus bodies	3713	40.3	40.7	40.6	41.7	-	32.6	32.9	32.4	33.2	-
Motor vehicle parts and accessories	3714	530.6	534.8	534.2	541.7	-	425.8	428.8	427.7	435.4	-
Truck trailers	3715	34.4	34.3	35.2	35.8	-	27.4	27.2	28.3	28.9	-
Aircraft and parts	372	454.8	451.3	495.1	497.4	503.3	215.0	214.2	245.9	248.5	-
Aircraft	3721	242.8	237.5	261.5	262.4	-	95.1	92.7	108.5	109.3	-
Aircraft engines and engine parts	3724	93.6	94.2	99.9	99.6	-	48.3	48.9	53.5	54.0	-
Aircraft parts and equipment, nec	3728	118.4	119.6	133.7	135.4	-	71.6	72.6	83.9	85.2	-
Ship and boat building and repairing	373	158.5	158.8	152.5	151.7	-	121.9	122.4	117.6	116.0	-
Ship building and repairing	3731	101.7	102.0	98.3	95.4	-	74.5	74.8	70.7	69.2	-
Boat building and repairing	3732	56.8	56.8	56.2	56.3	-	47.4	47.6	46.9	46.8	-
Railroad equipment	374	36.1	36.1	34.9	34.8	-	27.0	26.9	26.4	26.5	-
Guided missiles, space vehicles, and parts	376	90.1	90.5	90.1	90.4	-	25.0	25.4	24.2	24.2	-
Guided missiles and space vehicles	3761	62.3	62.8	62.5	62.7	-	15.5	16.0	15.3	15.3	-
Miscellaneous transportation equipment	379	53.3	54.3	53.6	53.6	-	38.3	39.3	39.2	39.2	-
Travel trailers and campers	3792	22.2	22.9	21.8	22.1	-	18.7	19.4	18.4	18.5	-
Instruments and related products	38	855.3	857.8	853.4	854.8	860.6	423.6	423.7	419.5	419.8	421.6
Search and navigation equipment	381	160.4	160.4	160.7	160.9	-	47.4	46.4	43.4	43.2	-
Measuring and controlling devices	382	297.4	299.0	300.0	300.7	-	150.8	151.2	153.4	153.5	-
Environmental controls	3822	42.2	42.4	41.2	41.3	-	27.1	27.1	27.5	27.7	-
Process control instruments	3823	66.7	66.9	66.6	66.5	-	33.4	33.5	34.0	33.8	-
Instruments to measure electricity	3825	75.0	75.7	76.7	77.2	-	33.7	33.6	33.0	33.2	-
Medical instruments and supplies	384	268.5	269.1	266.5	267.1	-	157.0	157.4	156.1	156.3	-
Surgical and medical instruments	3841	104.4	104.4	103.5	103.6	-	66.7	66.6	66.7	66.5	-
Surgical appliances and supplies	3842	94.1	94.2	92.2	92.3	-	58.3	58.4	56.6	56.7	-
Ophthalmic goods	385	35.7	35.8	34.5	34.6	-	23.2	23.3	21.1	21.0	-
Photographic equipment and supplies	386	85.6	85.6	84.2	84.0	-	39.0	39.1	39.3	39.6	-
Watches, clocks, watchcases, and parts	387	7.7	7.9	7.5	7.5	-	6.2	6.3	6.2	6.2	-
Miscellaneous manufacturing industries	39	386.6	388.7	385.8	386.5	387.0	272.1	274.6	270.4	271.3	272.5
Jewelry, silverware, and plated ware	391	49.0	49.2	48.1	47.9	-	33.7	33.7	33.0	32.9	-
Jewelry, precious metal	3911	36.8	36.9	36.0	35.7	-	24.9	24.9	24.2	24.1	-
Musical instruments	393	15.5	15.6	15.7	15.9	-	12.5	12.6	12.4	12.5	-
Toys and sporting goods	394	113.9	114.0	111.8	110.7	-	79.9	80.2	77.7	77.1	-
Dolls, games, toys, and children's vehicles	3942,4	40.7	41.2	39.2	39.0	-	26.7	27.4	25.7	25.8	-
Sporting and athletic goods, nec	3949	73.2	72.8	72.6	71.7	-	53.2	52.8	52.0	51.3	-
Pens, pencils, office, and art supplies	395	31.6	31.8	31.1	31.4	-	21.7	21.9	20.7	21.1	-
Costume jewelry and notions	396	23.9	24.1	23.7	23.9	-	16.9	17.0	16.4	16.6	-
Costume jewelry	3961	13.6	13.7	13.4	13.5	-	9.5	9.6	9.1	9.3	-
Miscellaneous manufactures	399	152.7	154.0	155.4	156.7	-	107.4	109.2	110.2	111.1	-
Signs and advertising specialties	3993	65.2	65.5	66.6	67.3	-	43.0	43.3	43.8	43.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Nondurable goods		7,672	7,719	7,573	7,599	7,659	5,356	5,392	5,278	5,300	5,346
Food and kindred products	20	1,665.8	1,686.3	1,648.4	1,660.9	1,690.4	1,227.0	1,244.6	1,216.3	1,224.8	1,250.3
Meat products	201	478.3	478.2	479.9	480.3	-	407.5	406.7	406.5	407.4	-
Meat packing plants	2011	146.7	146.1	146.4	146.3	-	122.2	121.8	121.2	121.5	-
Sausages and other prepared meats	2013	94.7	95.9	95.0	95.1	-	73.6	74.3	73.2	73.3	-
Poultry slaughtering and processing	2015	236.9	236.2	238.5	238.9	-	211.7	210.6	212.1	212.6	-
Dairy products	202	144.7	146.8	142.2	142.8	-	94.7	96.8	94.2	94.7	-
Cheese, natural and processed	2022	40.0	41.2	40.0	40.3	-	32.4	33.7	32.7	32.9	-
Fluid milk	2026	63.0	62.6	61.7	61.6	-	34.9	34.7	35.0	35.0	-
Preserved fruits and vegetables	203	222.1	231.3	209.3	213.9	-	182.5	191.2	172.3	177.0	-
Canned specialties	2032	19.6	19.4	18.5	18.0	-	15.4	15.2	14.5	14.1	-
Canned fruits and vegetables	2033	65.6	70.4	60.9	62.3	-	52.6	57.0	48.3	49.9	-
Frozen fruits and vegetables	2037	45.5	46.9	42.5	45.5	-	39.1	40.5	36.5	39.4	-
Grain mill products	204	126.2	127.3	125.0	125.2	-	89.3	90.3	89.0	88.5	-
Flour and other grain mill products	2041	19.3	19.4	18.6	19.4	-	12.2	12.3	11.6	12.0	-
Prepared feeds, nec	2048	40.6	40.8	40.4	40.1	-	25.2	25.3	25.7	25.3	-
Bakery products	205	209.7	211.0	205.5	207.9	-	141.5	142.5	138.4	139.7	-
Bread, cake, and related products	2051	148.2	148.9	147.9	149.2	-	91.0	91.7	89.8	91.1	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	61.5	62.1	57.6	58.7	-	50.5	50.8	48.6	48.6	-
Sugar and confectionery products	206	91.7	90.7	89.4	89.7	-	71.3	70.1	69.6	69.9	-
Raw cane sugar	2061	3.9	3.8	4.3	4.3	-	3.0	2.9	3.2	3.2	-
Cane sugar refining	2062	4.2	4.3	4.3	4.2	-	3.2	3.2	3.2	3.2	-
Beet sugar	2063	7.6	6.9	7.4	7.2	-	6.5	5.8	6.4	6.2	-
Candy and other confectionery products	2064	50.1	49.9	48.8	49.5	-	39.9	39.5	38.8	39.3	-
Fats and oils	207	31.9	31.8	30.9	32.4	-	21.7	22.0	22.3	22.0	-
Beverages	208	178.9	182.0	177.6	179.2	-	85.8	87.0	85.7	86.5	-
Malt beverages	2082	37.0	37.1	34.7	34.7	-	24.2	24.2	22.3	22.2	-
Bottled and canned soft drinks	2086	93.6	95.4	93.9	95.1	-	38.7	39.4	38.8	39.5	-
Misc. food and kindred products	209	182.3	187.2	188.6	189.5	-	132.7	138.0	138.3	139.1	-
Tobacco products	21	38.2	38.2	38.5	37.6	37.9	28.3	28.7	28.9	27.9	27.8
Cigarettes	211	28.2	28.4	28.1	27.7	-	20.8	21.0	21.0	20.6	-
Textile mill products	22	628.2	628.9	608.9	610.1	612.1	530.5	531.5	517.1	517.7	519.6
Broadwoven fabric mills, cotton	221	75.0	74.5	71.5	71.3	-	66.1	65.8	63.6	63.5	-
Broadwoven fabric mills, synthetics	222	66.5	66.7	64.3	64.3	-	56.0	56.2	54.1	54.0	-
Broadwoven fabric mills, wool	223	14.7	14.6	14.6	14.7	-	12.7	12.6	12.6	12.5	-
Narrow fabric mills	224	21.5	21.4	21.0	21.2	-	17.8	17.8	17.4	17.4	-
Knitting mills	225	182.5	182.3	173.7	174.0	-	156.8	157.0	149.5	149.9	-
Women's hosiery, except socks	2251	21.5	21.1	20.3	20.0	-	18.7	18.3	17.8	17.6	-
Hosiery, nec	2252	40.0	40.1	38.8	38.9	-	35.1	35.1	34.1	34.3	-
Knit outerwear mills	2253	54.5	54.9	53.2	53.4	-	46.8	47.4	45.3	45.5	-
Knit underwear mills	2254	19.5	19.2	17.5	17.3	-	17.5	17.3	15.6	15.4	-
Weft knit fabric mills	2257	25.8	25.8	23.0	23.1	-	21.1	21.3	19.3	19.3	-
Textile finishing, except wool	226	68.7	68.8	65.6	65.5	-	55.8	55.7	53.7	53.6	-
Finishing plants, cotton	2261	32.8	32.6	30.6	30.5	-	26.6	26.3	25.1	24.9	-
Finishing plants, synthetics	2262	21.7	22.0	21.1	21.2	-	17.3	17.5	16.9	17.0	-
Carpets and rugs	227	60.6	61.0	60.4	60.4	-	48.6	49.0	49.5	49.6	-
Yarn and thread mills	228	87.3	87.8	87.5	87.7	-	77.3	77.8	77.7	77.8	-
Yarn spinning mills	2281	64.9	65.0	63.9	64.0	-	58.0	58.1	57.2	57.0	-
Throwing and winding mills	2282	15.7	16.1	16.5	16.6	-	13.5	13.8	14.2	14.3	-
Miscellaneous textile goods	229	51.4	51.8	50.3	51.0	-	39.4	39.8	39.0	39.4	-
Apparel and other textile products	23	875.5	873.8	820.7	822.9	823.2	718.8	716.3	671.2	674.4	673.5
Men's and boys' suits and coats	231	33.2	33.1	30.3	29.7	-	26.9	26.9	24.6	24.0	-
Men's and boys' furnishings	232	227.1	227.7	214.7	214.2	-	191.9	192.4	181.5	181.6	-
Men's and boys' shirts	2321	47.8	48.2	45.3	45.9	-	40.0	40.4	38.8	39.4	-
Men's and boys' trousers and slacks	2325	77.7	77.6	71.9	71.6	-	66.9	66.8	61.9	61.7	-
Men's and boys' work clothing	2326	33.0	33.4	32.2	32.1	-	28.5	28.9	27.5	27.5	-
Women's and misses' outerwear	233	259.1	254.7	240.0	241.2	-	212.6	207.9	194.6	196.8	-
Women's and misses' blouses and shirts	2331	26.4	26.5	26.1	25.5	-	20.7	20.8	20.5	19.9	-
Women's, juniors', and misses' dresses	2335	40.9	41.1	38.3	38.7	-	33.0	33.1	30.1	30.5	-
Women's and misses' suits and coats	2337	25.5	25.2	24.1	25.0	-	19.9	19.7	18.8	19.4	-
Women's and misses' outerwear, nec	2339	166.3	161.9	151.5	152.0	-	139.0	134.3	125.2	127.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	41.7	41.8	37.6	37.3	-	33.6	33.7	29.9	29.6	-
Women's and children's underwear	2341	30.0	30.1	27.0	26.8	-	25.4	25.5	22.2	22.0	-
Brassieres, girdles, and allied garments	2342	11.7	11.7	10.6	10.5	-	8.2	8.2	7.7	7.6	-
Girls' and children's outerwear	236	35.4	36.7	30.1	30.3	-	29.4	30.3	24.9	24.9	-
Girls' and children's dresses and blouses	2361	13.6	14.2	11.5	11.4	-	11.6	11.9	9.9	9.7	-
Misc. apparel and accessories	238	35.0	35.1	33.7	33.6	-	28.6	28.4	27.3	27.0	-
Misc. fabricated textile products	239	224.0	224.8	215.2	217.5	-	180.0	181.1	173.2	175.4	-
Curtains and draperies	2391	20.5	20.4	19.9	19.7	-	16.3	16.1	15.7	15.7	-
House furnishings, nec	2392	55.0	54.7	54.7	54.5	-	46.7	46.3	46.4	46.3	-
Automotive and apparel trimmings	2396	63.5	64.2	58.4	59.6	-	50.6	51.4	46.8	47.8	-
Paper and allied products	26	679.7	685.9	672.9	674.9	681.1	514.2	519.1	512.2	515.2	521.0
Paper mills	262	160.5	162.8	158.9	158.9	-	123.8	126.1	123.5	124.4	-
Paperboard mills	263	49.6	50.4	48.6	48.9	-	37.7	38.1	37.0	37.5	-
Paperboard containers and boxes	265	216.0	217.7	216.8	217.3	-	167.7	169.1	167.9	168.4	-
Corrugated and solid fiber boxes	2653	128.7	129.5	129.7	129.8	-	96.3	96.9	96.9	97.2	-
Sanitary food containers	2656	17.8	18.1	17.3	17.5	-	15.7	16.0	15.4	15.6	-
Folding paperboard boxes	2657	47.3	47.9	48.1	48.1	-	38.5	39.0	39.0	38.8	-
Misc. converted paper products	267	240.8	242.5	236.8	238.3	-	175.1	176.2	174.3	175.6	-
Paper, coated and laminated, nec	2672	47.9	48.1	45.7	46.2	-	23.1	23.4	23.5	23.9	-
Bags: plastics, laminated, and coated	2673	38.3	38.5	38.7	38.8	-	29.7	29.5	30.1	30.2	-
Envelopes	2677	23.9	23.6	24.1	24.2	-	18.4	18.3	18.7	18.9	-
Printing and publishing	27	1,534.2	1,537.7	1,538.7	1,541.9	1,550.6	837.6	838.1	838.7	842.8	844.9
Newspapers	271	440.8	443.3	442.8	444.7	-	149.9	150.4	147.9	148.7	-
Periodicals	272	130.9	131.5	132.0	132.7	-	42.3	42.2	45.2	45.2	-
Books	273	125.6	124.4	124.6	123.8	-	67.5	65.6	66.3	67.6	-
Book publishing	2731	86.7	85.9	85.0	85.0	-	36.3	34.9	34.9	36.7	-
Book printing	2732	38.9	38.5	39.6	38.8	-	31.2	30.7	31.4	30.9	-
Miscellaneous publishing	274	86.9	86.7	87.8	87.8	-	42.0	42.2	40.3	40.3	-
Commercial printing	275	563.0	562.9	566.6	567.8	-	402.7	402.1	405.2	406.4	-
Commercial printing, lithographic	2752	365.0	365.5	367.4	368.5	-	260.6	260.4	261.6	263.0	-
Commercial printing, nec	2759	178.0	177.6	179.0	179.3	-	126.6	126.5	127.4	127.5	-
Manifold business forms	276	43.6	43.9	44.5	44.5	-	30.1	30.3	31.2	31.2	-
Blankbooks and bookbinding	278	65.9	66.7	64.4	64.4	-	50.8	51.6	49.5	49.7	-
Printing trade services	279	51.7	51.9	49.5	49.5	-	36.4	36.5	33.8	33.8	-
Chemicals and allied products	28	1,031.0	1,038.2	1,026.0	1,026.9	1,033.4	573.8	578.0	565.4	565.1	568.3
Industrial inorganic chemicals	281	119.4	119.4	116.7	117.1	-	54.6	54.5	54.4	54.5	-
Industrial inorganic chemicals, nec	2819	73.3	72.9	71.6	71.8	-	35.9	35.6	35.7	35.7	-
Plastics materials and synthetics	282	158.3	159.3	156.6	156.8	-	104.3	105.3	105.1	105.1	-
Plastics materials and resins	2821	76.0	77.0	76.3	76.5	-	46.6	47.6	47.9	47.8	-
Organic fibers, noncellulosic	2824	48.5	48.6	47.7	47.7	-	37.1	37.3	37.2	37.3	-
Drugs	283	258.4	259.6	259.8	258.8	-	123.4	123.8	116.8	115.9	-
Pharmaceutical preparations	2834	206.5	207.2	206.2	204.7	-	101.8	102.0	95.0	93.9	-
Soap, cleaners, and toilet goods	284	152.7	155.5	151.8	152.3	-	93.5	95.7	92.7	92.7	-
Soap and other detergents	2841	40.9	41.5	39.5	39.4	-	22.8	23.0	21.6	21.2	-
Polishing, sanitation, and finishing preparations	2842,3	41.4	41.5	41.2	41.1	-	23.6	23.5	22.8	22.8	-
Toilet preparations	2844	70.4	72.5	71.1	71.8	-	47.1	49.2	48.3	48.7	-
Paints and allied products	285	52.2	52.7	53.3	53.7	-	27.7	28.0	28.4	28.6	-
Industrial organic chemicals	286	143.8	144.8	142.2	142.6	-	82.9	83.0	80.6	80.9	-
Cyclic crudes and intermediates	2865	25.4	25.6	26.0	26.2	-	15.3	15.4	15.8	15.8	-
Industrial organic chemicals, nec	2869	115.6	116.3	113.5	113.7	-	65.5	65.5	62.8	63.1	-
Agricultural chemicals	287	53.3	53.2	52.6	52.2	-	31.5	31.1	31.5	31.3	-
Miscellaneous chemical products	289	92.9	93.7	93.0	93.4	-	55.9	56.6	55.9	56.1	-
Petroleum and coal products	29	142.8	144.9	138.1	139.7	140.9	92.4	94.5	91.3	93.1	94.5
Petroleum refining	291	100.4	101.1	97.2	96.8	-	63.7	64.3	63.9	63.9	-
Asphalt paving and roofing materials	295	28.1	29.4	26.6	28.6	-	21.1	22.5	19.7	21.4	-
Rubber and misc. plastics products	30	980.3	988.1	987.4	990.4	996.9	758.5	766.4	765.7	768.2	775.0
Tires and inner tubes	301	79.8	79.8	77.9	78.1	-	58.2	58.1	57.5	57.8	-
Rubber and plastics footwear	302	7.0	7.2	6.9	7.0	-	5.7	5.9	5.5	5.6	-
Hose, belting, gaskets, and packing	305	67.4	67.9	69.2	69.3	-	51.0	51.7	53.0	53.1	-
Rubber and plastics hose and belting	3052	27.5	27.6	28.0	28.1	-	21.2	21.4	21.7	21.8	-
Fabricated rubber products, nec	306	112.8	113.3	114.8	114.7	-	86.4	86.9	88.2	88.1	-
Miscellaneous plastics products, nec	308	713.3	719.9	718.6	721.3	-	557.2	563.8	561.5	563.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Nondurable goods—Continued											
Leather and leather products	31	96.7	97.4	92.9	93.2	92.7	75.0	75.2	70.9	71.0	70.6
Leather tanning and finishing	311	13.1	13.0	13.2	13.1	-	10.7	10.7	10.8	10.7	-
Footwear, except rubber	314	44.9	45.4	42.5	42.5	-	36.4	36.5	34.2	34.1	-
Men's footwear, except athletic	3143	23.6	23.7	21.9	21.7	-	18.6	18.4	17.1	17.0	-
Women's footwear, except athletic	3144	12.9	13.2	12.1	12.0	-	10.6	10.7	9.8	9.5	-
Luggage	316	10.9	10.8	11.0	11.0	-	8.1	8.0	8.2	8.2	-
Handbags and personal leather goods	317	10.5	10.7	9.2	9.4	-	6.5	6.7	5.4	5.5	-
Transportation and public utilities		6,250	6,299	6,384	6,429	6,462	5,262	5,308	5,375	5,421	5,437
Transportation		4,034	4,065	4,151	4,190	4,214	-	-	-	-	-
Railroad transportation	40	233.2	231.4	225.0	228.0	226.7	-	-	-	-	-
Class I railroads plus Amtrak ²	4011	207.3	205.7	199.9	202.7	-	-	-	-	-	-
Local and interurban passenger transit	41	452.5	440.2	471.0	474.2	460.6	416.3	403.7	432.1	435.7	-
Local and suburban transportation	411	216.1	218.4	225.3	227.3	-	196.7	199.2	204.8	207.0	-
Taxicabs	412	30.7	30.3	31.3	31.0	-	-	-	-	-	-
Intercity and rural bus transportation	413	25.0	25.7	27.2	27.6	-	22.6	23.3	24.2	24.5	-
School buses	415	146.4	131.3	152.5	152.6	-	-	-	-	-	-
Trucking and warehousing	42	1,631.4	1,661.7	1,651.7	1,677.0	1,703.7	1,421.8	1,449.8	1,438.5	1,465.3	-
Trucking and courier services, except air	421	1,478.7	1,506.6	1,488.2	1,514.0	-	1,294.3	1,320.1	1,302.3	1,329.9	-
Public warehousing and storage	422	148.0	150.3	159.0	158.5	-	123.3	125.4	132.1	131.4	-
Water transportation	44	174.9	179.3	175.7	179.4	181.0	-	-	-	-	-
Water transportation of freight, nec	444	13.9	14.0	14.6	14.7	-	-	-	-	-	-
Water transportation services	449	115.2	118.0	118.3	120.4	-	101.7	104.1	104.5	106.5	-
Transportation by air	45	1,111.2	1,120.1	1,179.5	1,183.1	1,189.6	-	-	-	-	-
Air transportation, scheduled	451	956.9	963.8	1,015.2	1,018.4	-	-	-	-	-	-
Air transportation, scheduled	4512	497.4	501.7	523.7	525.0	-	-	-	-	-	-
Airports, flying fields, and services	458	111.7	112.6	117.9	118.7	-	-	-	-	-	-
Pipelines, except natural gas	46	14.6	14.8	14.2	14.2	14.5	11.7	12.0	11.5	11.5	-
Transportation services	47	415.7	417.8	434.2	434.5	438.0	335.1	336.7	353.4	354.5	-
Passenger transportation arrangement	472	212.8	214.4	221.8	220.8	-	175.7	177.3	185.2	184.4	-
Travel agencies	4724	168.3	169.0	175.0	174.5	-	138.9	139.7	146.3	146.0	-
Freight transportation arrangement	473	158.7	158.8	164.6	165.6	-	123.0	122.7	128.6	130.1	-
Communications and public utilities		2,216	2,234	2,233	2,239	2,248	-	-	-	-	-
Communications	48	1,328.4	1,341.5	1,363.3	1,367.0	1,371.8	1,041.9	1,052.2	1,066.8	1,068.0	-
Telephone communications	481	891.4	901.6	913.3	918.7	-	683.2	691.0	697.5	700.2	-
Telephone communications, except radio	4813	771.3	779.5	774.9	779.9	-	588.7	595.6	586.2	587.9	-
Radio and television broadcasting	483	241.6	242.3	248.6	249.8	-	202.1	202.5	207.1	208.2	-
Radio broadcasting stations	4832	114.2	114.4	117.6	118.4	-	-	-	-	-	-
Television broadcasting stations	4833	127.4	127.9	131.0	131.4	-	-	-	-	-	-
Cable and other pay television services	484	168.5	171.1	179.5	176.6	-	142.5	144.8	151.3	148.0	-
Electric, gas, and sanitary services	49	887.2	892.2	869.8	871.7	876.6	699.4	704.7	690.6	694.1	-
Electric services	491	387.5	388.8	377.9	378.0	-	305.0	306.5	301.2	302.1	-
Gas production and distribution	492	147.0	148.5	143.2	143.3	-	114.4	116.0	110.8	110.9	-
Combination utility services	493	164.1	164.5	161.1	161.0	-	126.4	126.5	125.1	125.4	-
Sanitary services	495	156.3	157.6	154.9	156.2	-	128.3	130.0	127.8	129.5	-
Wholesale trade		6,468	6,514	6,601	6,641	6,677	5,226	5,269	5,317	5,351	5,382
Durable goods	50	3,794	3,823	3,895	3,915	3,938	3,035	3,060	3,098	3,111	-
Motor vehicles, parts, and supplies	501	502.0	506.4	507.4	512.1	-	410.2	414.7	414.0	418.1	-
Automobiles and other motor vehicles	5012	136.2	137.0	141.0	142.3	-	-	-	-	-	-
Motor vehicle supplies and new parts	5013	290.2	293.7	290.2	292.5	-	-	-	-	-	-
Furniture and home furnishings	502	151.7	151.4	159.5	158.4	-	120.9	121.3	127.0	126.1	-
Furniture	5021	71.6	71.3	75.6	74.9	-	-	-	-	-	-
Home furnishings	5023	80.1	80.1	83.9	83.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a
Wholesale trade—Continued											
Durable goods—Continued											
Lumber and other construction materials	503	244.9	247.6	249.8	253.2	-	202.1	204.7	206.0	209.0	-
Lumber, plywood, and millwork	5031	125.3	125.6	127.5	128.5	-	-	-	-	-	-
Construction materials, nec	5039	37.2	38.0	37.9	38.3	-	-	-	-	-	-
Professional and commercial equipment	504	817.2	822.8	845.0	848.1	-	648.4	653.5	664.5	663.9	-
Office equipment	5044	190.9	191.8	200.4	202.1	-	-	-	-	-	-
Computers, peripherals and software	5045	314.4	316.4	327.0	327.1	-	-	-	-	-	-
Medical and hospital equipment	5047	174.3	175.2	178.8	179.7	-	143.5	144.0	145.1	145.3	-
Metals and minerals, except petroleum	505	142.4	144.0	144.8	145.2	-	115.4	116.7	116.9	117.3	-
Electrical goods	506	515.1	517.6	533.8	536.9	-	395.8	396.6	399.3	400.5	-
Electrical apparatus and equipment	5063	214.7	216.1	226.6	227.8	-	-	-	-	-	-
Electrical appliances, television and radio sets	5064	49.9	49.6	48.8	49.2	-	-	-	-	-	-
Electronic parts and equipment	5065	250.5	251.9	258.4	259.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	293.1	295.5	301.7	301.7	-	236.5	238.6	245.7	245.6	-
Hardware	5072	104.0	105.2	105.7	105.2	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	116.4	116.4	119.3	119.3	-	-	-	-	-	-
Machinery, equipment, and supplies	508	797.2	804.6	822.1	825.6	-	636.7	642.8	656.8	659.8	-
Construction and mining machinery	5082	82.8	83.8	87.1	87.7	-	-	-	-	-	-
Farm and garden machinery	5083	121.1	122.2	123.3	124.6	-	-	-	-	-	-
Industrial machinery and equipment	5084	321.1	324.6	332.9	333.5	-	-	-	-	-	-
Industrial supplies	5085	151.0	151.1	151.9	152.6	-	-	-	-	-	-
Misc. wholesale trade durable goods	509	330.4	332.8	330.5	333.6	-	269.3	271.3	268.2	270.5	-
Scrap and waste materials	5093	130.0	130.9	130.9	131.9	-	-	-	-	-	-
Nondurable goods	51	2,674	2,691	2,706	2,726	2,739	2,191	2,209	2,219	2,240	-
Paper and paper products	511	257.3	259.6	262.2	263.5	-	213.5	216.5	221.0	222.1	-
Stationery and office supplies	5112	145.7	148.2	149.9	150.4	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	204.2	205.9	210.8	211.4	-	170.3	171.4	175.2	176.0	-
Apparel, piece goods, and notions	513	214.1	218.1	223.3	224.2	-	170.4	174.3	179.4	181.2	-
Groceries and related products	514	892.3	899.1	899.2	909.8	-	750.8	757.5	754.3	763.9	-
Groceries, general line	5141	282.6	284.0	283.4	285.2	-	-	-	-	-	-
Meats and meat products	5147	56.2	56.7	57.2	56.9	-	-	-	-	-	-
Fresh fruits and vegetables	5148	103.9	104.4	101.5	105.2	-	-	-	-	-	-
Farm-product raw materials	515	105.1	104.8	103.3	104.0	-	85.2	84.9	82.9	83.3	-
Chemicals and allied products	516	148.0	148.6	147.3	147.2	-	109.1	109.6	107.7	108.0	-
Petroleum and petroleum products	517	156.3	157.0	158.8	159.3	-	129.1	130.0	131.1	131.6	-
Petroleum bulk stations and terminals	5171	63.6	63.9	65.4	65.8	-	-	-	-	-	-
Petroleum products, nec	5172	92.7	93.1	93.4	93.5	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	152.4	155.5	155.1	156.8	-	123.5	126.2	125.3	126.9	-
Beer and ale	5181	99.1	101.6	100.7	102.4	-	-	-	-	-	-
Wine and distilled beverages	5182	53.3	53.9	54.4	54.4	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	519	544.3	542.0	546.0	550.0	-	439.3	438.6	441.9	446.5	-
Farm supplies	5191	170.8	169.4	175.9	179.4	-	-	-	-	-	-
Retail trade		21,589	21,803	21,750	22,060	22,286	18,995	19,198	19,115	19,411	19,607
Building materials and garden supplies	52	919.2	932.7	936.9	966.5	970.9	769.7	783.0	781.4	809.5	-
Lumber and other building materials	521	539.9	556.9	567.0	563.5	-	458.4	474.3	479.5	495.1	-
Paint, glass, and wallpaper stores	523	64.8	66.1	65.6	67.4	-	50.0	51.5	50.6	52.1	-
Hardware stores	525	164.6	165.6	164.5	166.6	-	135.6	136.7	135.5	137.5	-
Retail nurseries and garden stores	526	111.4	105.1	100.8	109.3	-	94.7	89.0	84.9	93.6	-
General merchandise stores	53	2,633.8	2,666.8	2,682.2	2,702.9	2,737.0	2,449.4	2,481.5	2,490.0	2,511.2	-
Department stores	531	2,305.9	2,338.4	2,355.5	2,371.3	2,401.2	2,166.6	2,198.3	2,210.2	2,226.6	-
Variety stores	533	134.4	134.6	134.8	135.2	-	115.8	115.9	114.6	115.0	-
Miscellaneous general merchandise stores	539	193.5	193.8	191.9	196.4	-	167.0	167.3	165.2	169.6	-
Food stores	54	3,412.9	3,450.6	3,438.9	3,471.0	3,512.2	3,098.9	3,133.0	3,113.1	3,142.2	-
Grocery stores	541	3,017.1	3,041.9	3,019.5	3,040.4	-	2,760.1	2,782.5	2,755.7	2,774.7	-
Meat and fish markets	542	46.5	48.5	47.9	47.5	-	-	-	-	-	-
Dairy products stores	545	14.0	15.0	14.6	15.2	-	-	-	-	-	-
Retail bakeries	546	194.8	196.7	203.1	206.6	-	171.3	172.9	177.9	180.2	-
Automotive dealers and service stations	55	2,265.6	2,293.1	2,309.0	2,320.7	2,336.8	1,894.9	1,919.4	1,932.9	1,944.9	-
New and used car dealers	551	1,029.8	1,035.9	1,053.5	1,053.9	1,059.0	862.0	867.3	883.3	883.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Retail trade—Continued											
Automotive dealers and service stations—Continued											
Auto and home supply stores	553	379.0	384.5	392.3	395.4	-	303.6	308.0	316.9	319.3	-
Gasoline service stations	554	665.0	677.1	668.6	674.8	-	574.4	586.3	577.6	585.2	-
Automotive dealers, nec	559	8.8	9.1	9.7	9.9	-	7.3	7.5	8.1	8.2	-
Apparel and accessory stores											
Men's and boys' clothing stores	56	1,075.1	1,089.8	1,075.3	1,076.7	1,090.2	881.2	896.2	888.0	890.1	-
Women's clothing stores	561	81.1	80.8	78.3	77.5	-	64.5	64.0	62.4	61.8	-
Family clothing stores	562	296.4	296.0	290.8	290.7	-	242.9	242.6	240.8	240.7	-
Shoe stores	565	324.1	335.0	331.6	333.1	-	278.5	290.6	288.0	289.6	-
Shoe stores	566	196.3	197.2	197.8	197.2	-	152.1	152.6	156.2	156.1	-
Furniture and home furnishings stores											
Furniture and home furnishings stores	57	964.8	973.5	1,015.3	1,020.2	1,023.6	779.4	790.3	830.7	832.5	-
Furniture stores	571	501.6	509.9	529.2	532.7	-	403.3	411.4	429.2	431.3	-
Household appliance stores	5712	298.2	302.1	314.9	317.2	-	-	-	-	-	-
Radio, television, and computer stores	572	73.7	73.0	70.5	70.7	-	59.8	59.0	56.6	57.0	-
Radio, television, and electronic stores	573	389.5	390.6	415.6	416.8	-	316.3	319.9	344.9	344.2	-
Record and prerecorded tape stores	5731	173.1	174.0	186.5	186.9	-	142.9	144.2	155.7	155.3	-
Record and prerecorded tape stores	5735	81.6	81.5	81.8	81.3	-	62.6	63.5	66.7	66.3	-
Eating and drinking places	58	7,647.8	7,733.0	7,550.3	7,727.0	7,838.5	6,900.8	6,984.6	6,797.6	6,969.6	-
Miscellaneous retail establishments											
Drug stores and proprietary stores	59	2,669.6	2,663.0	2,741.8	2,774.8	2,776.6	2,220.7	2,209.7	2,281.7	2,310.7	-
Liquor stores	591	607.1	608.5	621.1	622.0	-	504.1	503.8	513.3	515.4	-
Used merchandise stores	592	110.3	110.6	110.2	109.9	-	-	-	-	-	-
Miscellaneous shopping goods stores	593	104.9	105.5	110.9	113.2	-	87.4	87.9	92.1	94.4	-
Sporting goods and bicycle shops	594	926.6	925.5	962.2	971.3	-	770.0	767.6	804.2	810.7	-
Book stores	5941	182.3	184.4	190.1	192.2	-	-	-	-	-	-
Stationery stores	5942	116.4	108.8	120.9	121.3	-	-	-	-	-	-
Jewelry stores	5943	84.4	84.3	88.1	87.1	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5944	135.3	135.4	141.1	142.1	-	-	-	-	-	-
Sewing, needlework, and piece goods	5947	213.8	220.6	205.1	212.2	-	-	-	-	-	-
Nonstore retailers	5949	51.0	50.6	51.5	52.1	-	-	-	-	-	-
Catalog and mail-order houses	596	319.5	317.9	332.2	332.2	-	269.9	267.8	281.4	281.5	-
Merchandising machine operators	5961	196.0	194.8	210.4	209.4	-	-	-	-	-	-
Fuel dealers	5962	69.6	69.1	66.9	67.1	-	-	-	-	-	-
Retail stores, nec	598	97.3	97.4	99.8	97.6	-	80.6	80.5	82.4	80.5	-
Florists, tobacco stores, and newsstands	599	503.9	497.6	505.4	528.6	-	418.7	412.1	418.6	439.4	-
Optical goods stores	5992,3,4	163.0	148.0	154.3	168.1	-	-	-	-	-	-
Miscellaneous retail stores, nec	5995	66.4	66.6	70.1	71.1	-	54.5	54.4	58.7	59.4	-
Miscellaneous retail stores, nec	5999	274.5	283.0	281.0	289.4	-	222.3	230.1	227.8	235.2	-
Finance, insurance, and real estate²		6,885	6,959	6,985	7,029	7,108	5,027	5,096	5,095	5,136	5,212
Finance											
Depository institutions		3,286	3,315	3,370	3,387	3,420	-	-	-	-	-
Commercial banks	60	2,016.6	2,034.1	2,032.2	2,041.8	2,063.6	1,452.2	1,467.6	1,461.1	1,466.1	-
State commercial banks	602	1,458.6	1,473.8	1,477.5	1,486.5	1,504.3	1,036.3	1,049.5	1,048.1	1,052.9	-
National and commercial banks, nec	6022	581.9	589.0	596.0	600.6	-	416.7	423.0	426.3	428.9	-
Savings institutions	6021,9	876.7	884.8	881.5	885.9	-	619.6	626.5	621.8	624.0	-
Federal savings institutions	603	265.9	265.6	253.2	252.9	254.7	-	-	-	-	-
Savings institutions, except federal	6035	148.4	148.5	142.7	142.8	-	-	-	-	-	-
Credit unions	6036	117.5	117.1	110.5	110.1	-	-	-	-	-	-
Credit unions	606	162.5	163.6	168.5	169.7	-	129.1	129.9	133.6	134.6	-
Nondepository institutions	61	512.8	518.4	539.0	542.6	547.2	373.1	375.7	383.5	386.2	-
Personal credit institutions	614	157.8	159.1	163.3	164.4	-	112.9	113.5	114.8	115.2	-
Business credit institutions	615	103.1	104.2	111.0	112.4	-	-	-	-	-	-
Mortgage bankers and brokers	616	230.7	233.5	243.3	244.3	246.1	-	-	-	-	-
Security and commodity brokers	62	545.4	553.3	580.1	583.0	587.6	-	-	-	-	-
Security brokers and dealers	621	412.9	419.2	438.9	441.6	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges	622,3	24.5	24.9	24.7	24.6	-	-	-	-	-	-
Security and commodity services	628	108.0	109.2	116.5	116.8	-	70.7	72.2	77.0	77.1	-
Holding and other investment offices	67	210.7	209.6	218.5	219.4	221.3	-	-	-	-	-
Holding offices	671	106.0	106.4	109.3	109.4	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Finance, insurance, and real estate—Continued											
Insurance	63,64	2,217	2,225	2,217	2,220	2,232	-	-	-	-	-
Insurance carriers	63	1,510.8	1,515.9	1,499.3	1,502.4	1,511.2	1,079.8	1,085.6	1,081.6	1,081.2	-
Life insurance	631	524.5	522.0	503.7	504.4	-	347.6	347.2	330.1	328.2	-
Medical service and health insurance	632	320.3	323.6	329.0	330.6	-	263.0	265.6	269.2	270.5	-
Hospital and medical service plans	6324	258.9	261.8	268.9	270.1	-	215.3	217.6	223.0	223.8	-
Fire, marine, and casualty insurance	633	531.1	534.4	530.5	529.8	-	359.9	363.0	373.1	382.3	-
Title insurance	636	69.5	69.7	68.9	69.6	-	-	-	-	-	-
Insurance agents, brokers, and service	64	706.2	709.2	717.7	717.8	720.8	-	-	-	-	-
Real estate	65	1,382	1,419	1,398	1,422	1,456	-	-	-	-	-
Real estate operators and lessors	651	573.6	591.0	580.2	581.5	-	-	-	-	-	-
Real estate agents and managers	653	656.1	672.9	670.1	683.9	-	-	-	-	-	-
Subdividers and developers	655	120.3	122.2	114.6	123.1	-	-	-	-	-	-
Services		34,399	34,707	35,350	35,596	35,867	30,109	30,386	30,882	31,094	31,333
Agricultural services	07	669.0	697.4	668.9	721.6	746.4	567.8	594.9	564.2	614.5	-
Veterinary services	074	172.6	176.7	179.1	180.6	-	144.4	148.1	150.6	152.1	-
Landscape and horticultural services	078	448.3	470.8	440.7	490.7	-	384.2	405.9	373.4	421.1	-
Hotels and other lodging places	70	1,730.6	1,833.6	1,707.5	1,786.1	1,870.5	-	-	-	-	-
Hotels and motels	701	1,676.9	1,756.3	1,657.9	1,731.0	-	1,474.5	1,549.9	1,453.9	1,523.5	-
Personal services	72	1,168.2	1,157.7	1,253.4	1,188.6	1,177.3	-	-	-	-	-
Laundry, cleaning, and garment services	721	435.8	437.9	432.0	434.2	-	383.6	386.3	379.5	381.9	-
Photographic studios, portrait	722	73.8	74.5	74.3	74.3	-	-	-	-	-	-
Beauty shops	723	398.5	401.7	403.3	404.0	-	355.5	358.0	358.2	359.1	-
Funeral service and crematories	726	95.1	96.0	98.1	97.5	-	-	-	-	-	-
Miscellaneous personal services	729	147.6	130.4	229.5	162.4	-	123.2	108.7	202.4	134.5	-
Business services	73	7,170.4	7,264.0	7,489.6	7,557.8	7,645.7	6,377.7	6,461.6	6,632.3	6,687.7	-
Advertising	731	240.6	241.7	249.7	250.6	-	176.5	178.5	181.5	182.5	-
Advertising agencies	7311	160.0	160.8	167.0	167.5	-	-	-	-	-	-
Credit reporting and collection	732	126.5	127.4	129.7	131.3	-	-	-	-	-	-
Mailing, reproduction, and stenographic services	733	291.4	293.0	311.0	311.6	-	-	-	-	-	-
Photocopying and duplicating services	7334	72.4	73.2	77.4	77.5	-	60.6	61.2	65.7	65.6	-
Services to buildings	734	905.8	906.8	899.3	906.5	910.4	812.9	812.9	803.2	810.2	-
Disinfecting and pest control services	7342	87.4	88.2	87.6	89.2	-	69.8	70.3	70.2	71.7	-
Building maintenance services, nec	7349	818.4	818.6	811.7	817.3	-	743.1	742.6	733.0	738.5	-
Miscellaneous equipment rental and leasing	735	240.6	246.7	245.0	250.6	-	194.9	200.4	195.5	201.7	-
Medical equipment rental	7352	37.8	38.2	40.3	40.1	-	30.0	30.4	31.2	31.0	-
Heavy construction equipment rental	7353	43.0	44.2	44.5	44.4	-	36.9	38.0	37.3	37.4	-
Equipment rental and leasing, nec	7359	159.8	164.3	160.2	166.1	-	128.0	132.0	127.0	133.3	-
Personnel supply services	736	2,596.0	2,657.2	2,670.7	2,704.4	2,743.9	-	-	-	-	-
Employment agencies	7361	302.4	303.8	332.1	334.2	-	-	-	-	-	-
Help supply services	7363	2,293.6	2,353.4	2,338.6	2,370.2	2,403.0	2,231.2	2,289.4	2,269.2	2,297.8	-
Computer and data processing services	737	1,192.2	1,196.3	1,308.6	1,318.5	1,329.3	953.9	955.0	1,043.1	1,051.3	-
Computer programming services	7371	267.7	267.9	297.0	297.7	-	224.2	224.8	250.9	252.4	-
Prepackaged software	7372	194.9	195.7	215.2	216.6	-	-	-	-	-	-
Computer integrated systems design	7373	139.8	141.2	156.3	157.5	-	101.1	100.9	110.0	110.7	-
Data processing and preparation	7374	229.6	228.3	249.3	251.2	-	-	-	-	-	-
Information retrieval services	7375	87.9	68.5	73.9	74.5	-	51.1	51.5	53.9	54.3	-
Computer maintenance and repair	7378	52.6	52.8	53.8	53.8	-	40.1	39.5	38.1	37.8	-
Miscellaneous business services	738	1,577.3	1,594.9	1,675.6	1,684.3	-	1,376.7	1,391.0	1,459.0	1,460.4	-
Detective and armored car services	7381	539.3	543.4	555.1	559.5	-	501.5	503.6	512.3	517.7	-
Security systems services	7382	50.7	51.3	55.2	55.0	-	42.6	43.2	47.1	47.1	-
Photofinishing laboratories	7384	74.4	74.3	72.4	73.6	-	-	-	-	-	-
Auto repair, services, and parking	75	1,075.7	1,087.9	1,131.9	1,136.5	1,143.7	867.4	897.2	933.2	936.0	-
Automotive rentals, without drivers	751	190.8	195.3	201.6	204.4	-	157.0	161.2	165.5	168.2	-
Passenger car rental	7514	122.2	125.3	132.6	134.7	-	102.7	105.3	111.0	112.7	-
Automobile parking	752	68.0	68.4	69.6	69.7	-	59.9	60.2	61.7	61.6	-
Automotive repair shops	753	597.8	604.8	625.1	626.7	-	483.5	488.5	503.7	503.7	-
Automotive and tire repair shops	7532,4	207.3	208.8	218.0	218.1	-	171.3	172.1	179.2	179.0	-
General automotive repair shops	7538	251.5	254.7	263.2	264.4	-	202.8	205.0	212.5	212.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Services—Continued											
Auto repair, services, and parking—Continued											
Automotive services, except repair	754	219.1	219.4	235.6	235.7	-	187.0	187.3	202.3	202.5	-
Carwashes	7542	120.0	120.1	130.6	129.9	-	105.5	105.6	115.7	115.0	-
Miscellaneous repair services	76	375.7	378.5	380.6	385.5	386.6	306.9	310.3	310.6	314.6	-
Electrical repair shops	762	114.9	116.1	115.9	117.0	-	-	-	-	-	-
Motion pictures	78	523.7	528.4	529.4	531.1	532.8	437.6	442.9	441.6	442.1	-
Motion picture production and services	781	221.0	216.0	228.6	224.0	-	186.1	181.9	190.0	184.8	-
Motion picture theaters	783	124.0	132.6	117.3	123.7	-	-	-	-	-	-
Video tape rental	784	154.5	155.8	160.0	159.9	-	125.2	125.9	129.0	128.9	-
Amusement and recreation services	79	1,541.4	1,695.6	1,489.6	1,622.0	1,797.5	1,356.4	1,502.9	1,297.7	1,426.1	-
Bowling centers	793	77.9	70.7	82.8	73.3	-	69.5	62.3	74.4	65.1	-
Misc. amusement and recreation services	799	1,143.7	1,295.6	1,095.8	1,221.5	-	1,009.0	1,154.3	955.4	1,077.4	-
Physical fitness facilities	7991	158.1	159.0	165.1	166.5	-	141.5	141.7	147.1	148.3	-
Membership sports and recreation clubs	7997	343.0	402.9	319.8	375.7	-	301.8	359.4	277.8	332.0	-
Health services	80	9,438.7	9,487.8	9,627.2	9,656.3	9,700.8	8,371.1	8,415.4	8,530.7	8,558.8	-
Offices and clinics of medical doctors	801	1,670.0	1,683.1	1,723.1	1,734.3	1,744.3	1,370.0	1,382.2	1,414.0	1,424.2	-
Offices and clinics of dentists	802	606.8	610.9	621.5	621.9	-	533.2	536.2	544.4	544.5	-
Offices and clinics of other health practitioners	804	412.4	417.0	423.1	425.9	-	342.0	345.0	352.3	354.6	-
Offices and clinics of chiropractors and optometrists	8041,2	160.2	162.4	163.9	165.5	-	-	-	-	-	-
Nursing and personal care facilities	805	1,723.6	1,734.5	1,753.9	1,757.6	1,764.3	1,553.0	1,563.0	1,576.9	1,580.3	-
Skilled nursing care facilities	8051	1,283.1	1,291.5	1,307.0	1,310.0	-	-	-	-	-	-
Intermediate care facilities	8052	212.1	213.3	213.0	213.0	-	191.4	192.5	191.9	191.8	-
Nursing and personal care, nec	8059	228.4	229.7	233.9	234.6	-	-	-	-	-	-
Hospitals	806	3,804.2	3,817.0	3,852.3	3,859.1	3,879.2	3,481.5	3,495.2	3,527.6	3,535.2	-
General medical and surgical hospitals	8062	3,506.5	3,519.3	3,554.4	3,561.4	-	-	-	-	-	-
Psychiatric hospitals	8063	88.3	88.4	86.0	86.1	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric	8069	209.4	209.3	211.9	211.6	-	-	-	-	-	-
Medical and dental laboratories	807	194.8	196.8	204.3	205.4	-	-	-	-	-	-
Home health care services	808	667.1	668.4	681.7	683.4	683.7	617.3	617.9	628.6	630.8	-
Legal services	81	921.8	943.3	945.5	947.6	971.9	735.9	754.8	754.7	756.0	-
Educational services	82	2,044.7	1,841.1	2,191.2	2,097.6	1,668.8	-	-	-	-	-
Elementary and secondary schools	821	612.1	583.6	612.2	618.0	-	-	-	-	-	-
Colleges and universities	822	1,188.9	1,013.0	1,317.3	1,216.2	-	-	-	-	-	-
Vocational schools	824	80.5	78.6	84.3	82.4	-	-	-	-	-	-
Social services	83	2,425.3	2,399.6	2,471.8	2,493.5	2,470.2	2,103.1	2,082.3	2,148.1	2,165.5	-
Individual and family services	832	653.1	653.4	664.1	666.4	-	567.7	567.9	576.8	578.2	-
Job training and related services	833	315.7	323.9	317.4	321.3	-	270.2	278.3	272.4	276.3	-
Child day care services	835	588.1	553.5	597.6	607.9	576.8	520.1	488.7	531.0	540.1	-
Residential care	836	669.4	677.3	691.7	695.9	705.0	580.3	587.2	600.3	603.4	-
Social services, nec	839	199.0	191.5	201.0	202.0	-	164.8	160.2	167.6	167.5	-
Museums and botanical and zoological gardens	84	87.8	91.7	85.4	89.6	94.1	-	-	-	-	-
Membership organizations	86	2,185.2	2,221.5	2,185.5	2,198.0	2,238.5	-	-	-	-	-
Business associations	861	107.4	108.3	105.6	106.2	-	-	-	-	-	-
Professional organizations	862	58.0	58.1	58.9	58.8	-	41.3	41.3	42.5	42.3	-
Labor organizations	863	147.0	146.6	145.2	144.1	-	-	-	-	-	-
Civic and social associations	864	431.3	463.7	439.2	449.1	-	-	-	-	-	-
Engineering and management services	87	2,826.3	2,863.7	2,976.9	2,968.4	3,005.6	2,174.5	2,207.1	2,278.0	2,267.8	-
Engineering and architectural services	871	833.3	848.8	862.7	869.8	885.2	685.8	701.0	706.3	714.1	-
Engineering services	8711	644.6	653.9	660.3	665.3	-	536.0	545.0	546.2	551.8	-
Architectural services	8712	134.7	138.4	145.7	146.7	-	105.3	109.0	113.7	114.8	-
Surveying services	8713	54.0	56.5	56.7	57.8	-	44.5	47.0	46.4	47.5	-
Accounting, auditing, and bookkeeping	872	557.5	559.9	610.8	587.2	-	400.4	402.5	436.6	411.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-12. Employees on nonfarm payrolls by detailed industry—Continued

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Services—Continued											
Engineering and management services—Continued											
Research and testing services	873	570.7	577.5	568.7	570.3	-	440.6	445.8	433.9	435.2	-
Commercial physical research	8731	219.4	221.2	210.3	210.8	-	157.5	158.5	145.4	145.5	-
Commercial nonphysical research	8732	123.3	125.3	130.2	130.6	-	101.7	103.5	107.8	108.2	-
Noncommercial research organizations	8733	138.7	140.4	140.2	141.0	-	108.0	109.4	109.2	109.9	-
Management and public relations	874	864.8	877.5	934.7	941.1	954.9	647.7	657.8	701.2	706.8	-
Management services	8741	302.5	306.1	324.1	328.2	-	220.9	223.5	241.1	244.7	-
Management consulting services	8742	297.0	302.2	328.8	332.5	-	223.5	227.6	246.3	248.7	-
Public relations services	8743	34.7	35.1	39.9	39.9	-	22.4	22.8	26.0	26.0	-
Services, nec	89	47.1	47.7	48.0	48.5	48.5	37.5	38.3	37.9	38.5	-
Government		19,844	19,499	19,953	20,006	19,692	-	-	-	-	-
Federal Government⁴		2,773	2,783	2,700	2,701	2,706	-	-	-	-	-
Executive, by agency ⁴		2,712.1	2,721.1	2,640.4	-	-	-	-	-	-	-
Department of Defense		749.3	752.6	703.3	-	-	-	-	-	-	-
Postal Service ⁵		852.5	851.6	847.9	-	-	-	-	-	-	-
Other executive agencies		1,110.3	1,116.9	1,089.2	-	-	-	-	-	-	-
Legislative		32.4	32.7	30.6	-	-	-	-	-	-	-
Judicial		28.7	28.9	29.4	-	-	-	-	-	-	-
Federal Government, except Postal Service		1,920.7	1,931.1	1,852.5	1,852.2	1,856.2	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities		55.5	55.1	49.3	49.1	-	-	-	-	-	-
Ship building and repairing	3731	24.0	23.5	22.2	22.2	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		23.2	23.3	21.4	21.3	-	-	-	-	-	-
Services		374.0	374.0	354.9	359.5	-	-	-	-	-	-
Hospitals	806	232.5	232.3	221.4	221.5	-	-	-	-	-	-
State government		4,688	4,489	4,760	4,699	4,499	-	-	-	-	-
Hospitals	806	378.9	378.8	370.3	370.4	-	-	-	-	-	-
Education	82	1,983.7	1,751.6	2,074.1	2,002.5	1,775.8	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,828.7	1,853.7	1,824.6	1,833.9	-	-	-	-	-	-
State government, except education		2,704.4	2,737.2	2,665.8	2,696.4	2,723.3	-	-	-	-	-
Local government		12,383	12,227	12,493	12,606	12,487	-	-	-	-	-
Transportation and public utilities		453.4	457.6	448.8	450.6	-	-	-	-	-	-
Hospitals	806	657.1	659.9	671.1	672.0	-	-	-	-	-	-
Education	82	7,090.5	6,760.1	7,206.5	7,254.4	6,928.1	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,716.5	3,852.3	3,688.5	3,736.7	-	-	-	-	-	-
Local government, except education		5,292.4	5,467.3	5,286.9	5,351.2	5,558.8	-	-	-	-	-

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 \$253.7 million or more in 1993 and to Amtrak.

³ Excludes nonoffice commissioned real estate sales agents.

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

the National Security Agency.

⁵ Includes rural mail carriers.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1996 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

B-13. Women employees on nonfarm payrolls by major industry and manufacturing group

(In thousands)

Industry	Mar. 1996	Apr. 1996	Feb. 1997	Mar. 1997	Apr. 1997
Total	57,348	57,559	58,324	58,650	58,947
Total private	46,376	46,601	47,251	47,503	47,801
Goods-producing	6,572	6,572	6,558	6,571	6,587
Mining	79	79	77	77	77
Construction	582	590	600	605	616
Manufacturing	5,911	5,903	5,881	5,889	5,894
Durable goods	2,819	2,825	2,847	2,856	2,863
Lumber and wood products	129	131	134	135	137
Furniture and fixtures	157	156	158	159	159
Stone, clay, and glass products	101	102	100	100	101
Primary metal industries	100	101	102	102	102
Fabricated metal products	315	315	321	322	323
Industrial machinery and equipment	456	456	466	469	471
Electronic and other electrical equipment	685	684	676	676	675
Transportation equipment	354	360	374	376	377
Instruments and related products	350	350	347	347	347
Miscellaneous manufacturing	172	172	169	170	170
Nondurable goods	3,092	3,078	3,034	3,033	3,031
Food and kindred products	539	532	536	536	533
Tobacco products	12	12	14	13	11
Textile mill products	293	292	285	285	285
Apparel and other textile products	656	653	615	612	611
Paper and allied products	163	163	162	162	162
Printing and publishing	692	691	689	690	694
Chemicals and allied products	328	327	324	325	325
Petroleum and coal products	24	24	24	24	24
Rubber and misc. plastics products	331	332	335	336	336
Leather and leather products	54	54	50	50	50
Service-producing	50,776	50,987	51,766	52,079	52,360
Transportation and public utilities	1,891	1,897	1,926	1,932	1,936
Wholesale trade	1,969	1,972	2,023	2,031	2,033
Retail trade	11,012	11,100	11,219	11,264	11,395
Finance, insurance, and real estate	4,310	4,320	4,377	4,393	4,407
Services	20,622	20,740	21,148	21,312	21,443
Government	10,972	10,958	11,073	11,147	11,146
Federal	1,164	1,166	1,143	1,144	1,144
State	2,404	2,406	2,405	2,421	2,426
Local	7,404	7,386	7,525	7,582	7,576

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1996 forward are subject to revision.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry

(In thousands)

State and area	Total			Mining			Construction		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Alabama	1,829.6	1,846.6	1,851.9	10.6	9.9	10.0	93.7	98.9	100.0
Birmingham	450.4	455.3	455.8	3.4	3.1	3.2	25.3	27.3	27.5
Huntsville	167.9	169.4	169.7	(1)	(1)	(1)	5.8	6.2	6.1
Mobile	214.0	220.5	222.1	(1)	(1)	(1)	16.1	17.0	17.5
Montgomery	154.8	157.1	157.9	(1)	(1)	(1)	8.9	9.0	9.0
Tuscaloosa	75.2	76.3	76.4	2.7	2.7	2.7	5.1	5.8	5.9
Alaska	267.4	257.4	267.6	9.6	9.0	9.2	12.8	10.3	12.5
Anchorage	120.6	118.8	121.4	2.5	2.3	2.3	6.3	5.0	6.2
Arizona	1,891.4	1,974.2	1,978.4	14.2	14.7	14.8	125.3	128.3	130.8
Phoenix-Mesa	1,305.2	1,377.3	1,382.2	6.7	7.5	7.6	89.1	93.2	95.3
Tucson	312.4	317.5	318.1	2.4	2.4	2.4	19.3	18.1	18.2
Arkansas	1,091.0	1,096.2	1,102.5	3.4	3.4	3.4	47.3	48.6	49.6
Fayetteville-Springdale-Rogers	134.7	137.4	137.6	(1)	(1)	(1)	5.9	6.0	6.1
Fort Smith	94.1	95.2	95.0	.9	.8	.8	3.7	3.8	3.7
Little Rock-North Little Rock	298.0	298.6	299.7	(1)	(1)	(1)	14.2	14.2	14.5
Pine Bluff	36.0	35.9	36.2	(1)	(1)	(1)	1.1	1.0	.9
California	12,765.5	13,045.7	13,126.2	29.9	29.2	29.4	499.6	537.5	549.5
Bakersfield	176.0	180.2	181.4	10.9	11.0	11.2	8.4	8.9	9.3
Fresno	272.5	271.1	273.5	.6	.6	.6	13.6	12.8	13.1
Los Angeles-Long Beach	3,807.9	3,857.0	3,866.8	5.7	5.7	5.7	107.8	106.2	107.7
Modesto	127.7	129.7	130.9	(2)	(2)	(2)	6.5	6.2	6.5
Oakland	913.2	929.3	933.3	2.2	2.1	2.1	44.7	47.7	47.9
Orange County	1,188.4	1,210.5	1,217.8	.9	.8	.8	51.5	54.2	55.2
Riverside-San Bernardino	809.3	834.4	837.3	1.2	1.3	1.3	46.4	49.1	50.2
Sacramento	604.2	616.3	617.1	.2	.2	.2	29.4	31.4	31.7
Salinas	114.7	116.5	117.2	.1	.1	.1	4.3	4.3	4.3
San Diego	1,000.4	1,016.1	1,020.4	.3	.3	.3	43.1	46.9	47.7
San Francisco	945.8	973.9	976.3	.6	.6	.6	29.8	33.4	33.8
San Jose	879.8	907.4	914.2	.1	.1	.1	31.9	34.9	35.3
Santa Barbara-Santa Maria-Lompoc	147.8	149.9	150.9	1.1	1.1	1.1	5.5	6.1	6.1
Santa Rosa	158.3	160.7	163.0	.5	.4	.4	8.0	8.5	8.7
Stockton-Lodi	162.8	164.1	165.4	.1	.1	.1	6.7	7.4	7.6
Vallejo-Fairfield-Napa	145.0	145.5	146.9	.5	.5	.5	8.4	8.1	8.4
Ventura	241.5	245.5	247.0	1.8	1.5	1.5	10.4	10.9	11.0
Colorado	1,890.3	1,930.1	1,925.5	13.8	13.0	13.1	111.2	112.7	115.4
Boulder-Longmont	150.7	154.7	156.3	(1)	(1)	(1)	6.1	5.8	6.0
Colorado Springs	208.8	212.5	214.5	(1)	(1)	(1)	12.2	12.5	12.6
Denver	1,010.6	1,017.3	1,022.1	7.0	6.2	6.2	57.4	58.5	59.2
Connecticut	1,587.5	1,599.1	1,612.6	.8	.8	.8	53.2	51.7	55.2
Bridgeport	180.6	180.2	181.1	(2)	(2)	(2)	5.5	5.2	5.6
Danbury	83.5	83.8	84.8	(1)	(1)	(1)	3.0	2.9	3.1
Hartford	591.1	586.7	588.2	(1)	(1)	(1)	19.3	18.4	19.8
New Haven-Meriden	244.9	246.5	246.8	(1)	(1)	(1)	8.9	8.9	9.2
New London-Norwich	133.8	134.0	136.5	(1)	(1)	(1)	4.1	4.0	4.2
Stamford-Norwalk	195.2	197.1	198.5	(1)	(1)	(1)	5.5	5.2	5.5
Waterbury	84.3	84.4	85.8	(2)	(2)	(2)	3.0	3.0	3.3
Delaware	381.3	384.3	389.1	.1	.1	.1	20.5	22.0	22.5
Dover	52.4	53.1	54.1	.1	.1	.1	2.2	2.4	2.4
Wilmington-Newark	294.3	295.6	298.0	.2	.2	.2	15.3	16.7	16.7
District of Columbia	620.0	615.2	613.3	.1	.1	.1	8.5	8.6	8.7
Washington PMSA	2,422.9	2,445.0	2,460.8	.9	.9	.9	117.8	120.5	123.1
Florida	6,189.2	6,402.2	6,408.5	6.9	7.0	7.0	323.8	327.6	329.6
Daytona Beach	148.5	153.2	153.2	(2)	(2)	(2)	7.3	7.3	7.3
Fort Lauderdale	607.0	629.9	629.7	.1	.1	.1	33.8	35.0	35.5
Fort Myers-Cape Coral	148.6	152.7	151.0	(2)	(2)	(2)	12.0	12.2	12.0
Gainesville	110.0	112.2	111.8	(2)	(2)	(2)	4.3	3.9	3.8
Jacksonville	494.5	512.5	516.5	(2)	(2)	(2)	27.5	27.1	27.1
Lakeland-Winter Haven	166.1	172.2	171.4	3.5	3.2	3.2	8.4	8.9	8.9
Melbourne-Titusville-Palm Bay	170.2	172.9	173.1	(2)	(2)	(2)	9.5	8.9	8.8
Miami	940.6	962.0	964.7	.4	.4	.4	34.5	33.2	33.3
Orlando	747.3	786.3	789.1	(2)	(2)	(2)	39.9	40.9	41.4
Pensacola	148.1	150.4	151.0	(2)	(2)	(2)	11.1	10.7	10.7
Sarasota-Bradenton	225.2	238.3	238.4	(2)	(2)	(2)	12.0	13.1	13.2
Tallahassee	145.7	149.2	149.6	(2)	(2)	(2)	6.0	6.2	6.2
Tampa-St. Petersburg-Clearwater	1,020.7	1,059.7	1,056.2	.4	.4	.4	48.0	49.2	49.2
West Palm Beach-Boca Raton	416.4	433.6	431.9	(2)	(2)	(2)	24.2	24.7	24.8

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Alabama	382.5	380.6	380.3	90.5	90.1	90.0	417.6	420.4	422.4
Birmingham	52.8	52.1	52.2	30.2	29.7	29.5	109.2	110.3	110.4
Huntsville	39.1	38.6	38.8	3.5	3.5	3.4	33.7	33.2	33.5
Mobile	27.0	27.7	27.9	13.1	13.2	13.3	56.7	58.6	59.3
Montgomery	17.7	17.8	17.9	6.4	6.4	6.5	36.5	37.5	37.6
Tuscaloosa	10.7	10.6	10.7	2.5	2.5	2.5	17.0	17.1	17.2
Alaska	16.8	15.8	16.0	23.9	22.2	24.2	55.3	52.1	55.5
Anchorage	2.0	1.9	2.0	12.1	11.7	12.2	29.4	28.9	29.7
Arizona	198.9	202.7	203.9	90.7	95.1	95.4	464.7	483.1	483.2
Phoenix-Mesa	153.6	155.6	156.6	64.8	68.9	69.1	324.4	340.5	341.7
Tucson	28.7	29.2	29.3	13.5	13.4	13.5	67.6	68.7	68.6
Arkansas	252.7	252.0	252.1	64.7	65.2	65.5	249.4	248.3	250.8
Fayetteville-Springdale-Rogers	33.8	33.7	33.7	9.5	9.4	9.4	36.6	37.9	37.9
Fort Smith	27.4	27.4	27.3	6.2	6.6	6.6	19.7	20.1	19.9
Little Rock-North Little Rock	34.0	33.0	32.8	20.6	20.6	20.7	69.6	68.5	68.9
Pine Bluff	7.8	8.0	8.2	1.8	1.8	1.8	7.6	7.4	7.5
California	1,847.2	1,876.9	1,884.0	637.4	649.9	656.6	2,958.6	2,983.8	3,004.0
Bakersfield	9.4	9.8	9.8	9.0	9.1	9.2	42.1	43.3	43.4
Fresno	28.8	29.3	29.2	13.8	14.2	14.4	66.3	64.9	65.9
Los Angeles-Long Beach	646.5	656.2	655.3	203.8	205.9	207.2	839.6	840.8	845.7
Modesto	24.5	25.9	25.8	5.4	5.7	5.7	32.0	32.1	32.4
Oakland	113.3	115.2	115.5	58.2	60.8	61.3	208.0	207.5	209.0
Orange County	212.8	217.4	217.9	42.6	43.3	43.6	297.2	300.0	301.7
Riverside-San Bernardino	99.0	102.0	102.6	41.2	43.0	43.3	209.5	214.7	214.9
Sacramento	42.9	43.7	44.1	25.0	25.5	25.6	133.3	134.5	135.3
Salinas	9.5	9.1	9.2	5.4	5.4	5.4	30.9	30.9	31.2
San Diego	116.6	117.6	117.9	37.9	38.0	38.3	233.6	235.3	235.7
San Francisco	75.4	76.8	76.5	76.0	77.1	77.4	198.6	198.8	200.3
San Jose	246.3	251.5	253.2	25.0	25.5	25.8	172.3	177.9	178.6
Santa Barbara-Santa Maria-Lompoc	16.2	16.7	17.2	5.4	5.4	5.4	35.3	35.1	35.5
Santa Rosa	22.9	24.0	24.3	6.1	6.0	6.1	40.6	41.0	41.2
Stockton-Lodi	22.7	21.7	22.1	11.6	11.7	11.7	38.8	38.9	38.9
Vallejo-Fairfield-Napa	17.0	17.5	17.8	5.7	5.8	5.9	38.1	37.9	38.1
Ventura	30.8	30.9	31.3	10.1	9.8	9.8	58.8	59.9	60.1
Colorado	194.9	196.4	196.2	120.3	116.5	115.2	459.6	467.9	467.8
Boulder-Longmont	29.7	29.7	29.8	3.7	3.5	3.5	33.0	34.7	35.3
Colorado Springs	24.6	24.8	25.1	11.1	11.4	11.3	47.0	46.9	47.6
Denver	89.2	90.0	89.3	84.9	81.2	80.9	246.7	248.7	250.7
Connecticut	275.4	274.0	273.6	73.9	74.5	75.7	345.4	343.9	349.8
Bridgeport	40.0	40.0	39.7	7.2	7.3	7.4	40.7	40.2	40.6
Danbury	19.0	18.9	19.1	2.8	2.8	2.9	21.6	21.4	21.7
Hartford	90.1	91.7	92.0	26.2	26.4	26.4	123.4	119.5	120.5
New Haven-Meriden	39.4	38.8	38.2	15.7	15.9	16.1	50.6	51.9	53.0
New London-Norwich	26.5	24.5	24.1	6.4	6.4	6.6	27.8	26.9	28.0
Stamford-Norwalk	28.4	28.3	28.2	9.7	9.9	10.0	43.6	43.8	44.2
Waterbury	18.7	18.4	18.6	3.5	3.5	3.5	16.7	17.0	17.3
Delaware	60.6	57.9	58.3	15.9	15.9	15.9	84.7	83.9	85.9
Dover	6.6	6.5	6.5	1.7	1.6	1.7	13.3	13.1	13.4
Wilmington-Newark	45.0	42.2	42.3	14.0	13.8	13.9	60.2	60.6	61.4
District of Columbia	12.9	13.1	13.5	19.3	18.6	18.7	49.1	49.6	49.2
Washington PMSA	95.2	97.4	97.9	111.4	112.1	112.7	462.9	472.0	475.2
Florida	489.4	491.4	492.2	313.0	323.3	323.2	1,805.0	1,681.6	1,660.9
Daytona Beach	13.9	14.0	14.1	3.5	3.3	3.3	43.0	44.5	44.7
Fort Lauderdale	42.7	43.6	43.8	30.7	32.2	32.3	170.4	176.0	175.7
Fort Myers-Cape Coral	6.7	7.1	7.1	6.6	6.5	6.6	42.5	44.1	43.2
Gainesville	5.6	5.5	5.4	2.3	2.3	2.3	23.9	25.1	25.2
Jacksonville	36.4	37.2	37.4	34.5	35.8	35.8	124.2	128.5	129.0
Lakeland-Winter Haven	21.1	21.8	21.5	9.0	9.0	8.8	46.1	48.1	47.8
Melbourne-Titusville-Palm Bay	25.9	25.8	25.8	4.6	4.9	4.9	40.7	41.9	42.2
Miami	77.8	77.5	77.8	79.3	82.1	82.4	246.3	249.0	249.7
Orlando	51.4	52.8	52.8	39.3	40.4	40.5	184.8	194.1	194.5
Pensacola	11.8	11.4	11.5	6.5	6.7	6.7	37.4	39.2	39.7
Sarasota-Bradenton	20.4	20.3	20.4	5.3	5.4	5.4	57.5	60.5	59.7
Tallahassee	5.2	5.3	5.3	3.6	3.9	3.9	29.3	30.4	30.5
Tampa-St. Petersburg-Clearwater	87.0	87.6	88.0	45.2	46.0	45.9	255.8	267.1	266.3
West Palm Beach-Boca Raton	28.6	29.4	29.2	15.3	15.9	16.0	108.6	113.2	112.9

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
Alabama	81.3	83.1	83.6	404.9	415.1	416.0	348.5	346.5	349.6
Birmingham	32.6	33.7	33.9	127.5	129.7	129.4	69.6	69.4	69.7
Huntsville	4.6	4.7	4.7	42.3	44.6	44.6	38.9	36.6	36.6
Mobile	9.5	9.7	9.7	57.1	59.5	59.8	34.5	34.8	34.6
Montgomery	8.8	9.1	9.2	39.9	40.7	40.9	36.6	36.6	36.8
Tuscaloosa	2.4	2.5	2.5	13.4	13.8	13.6	21.4	21.5	21.3
Alaska	11.8	11.4	11.7	63.4	62.0	65.0	73.8	74.6	73.5
Anchorage	7.1	7.0	7.1	33.6	33.6	34.3	27.6	28.4	27.6
Arizona	113.5	121.4	121.6	560.0	591.4	590.7	324.1	337.5	338.0
Phoenix-Mesa	92.9	101.4	101.8	396.3	427.5	427.5	175.4	182.7	182.6
Tucson	12.2	12.6	12.6	97.6	100.1	100.5	71.1	73.0	73.0
Arkansas	43.1	43.6	44.0	247.8	250.6	252.4	182.6	184.5	184.7
Fayetteville-Springdale-Rogers	4.6	4.8	4.7	25.8	26.6	26.7	18.5	19.0	19.1
Fort Smith	3.0	3.1	3.1	23.5	23.5	23.5	9.7	9.9	10.1
Little Rock-North Little Rock	17.1	17.3	17.4	85.0	86.0	86.7	57.5	59.0	58.7
Pine Bluff	1.4	1.3	1.3	8.5	8.5	8.5	7.8	7.9	8.0
California	731.4	732.0	733.7	3,909.0	4,057.0	4,079.8	2,152.4	2,179.4	2,189.2
Bakersfield	6.0	6.3	6.3	41.6	42.2	42.2	48.6	49.6	50.0
Fresno	14.2	13.9	13.8	68.4	68.4	69.3	66.8	67.0	67.2
Los Angeles-Long Beach	217.1	215.4	215.7	1,247.6	1,283.7	1,285.5	539.8	543.1	544.0
Modesto	4.4	4.5	4.5	30.5	31.2	31.4	24.4	24.1	24.6
Oakland	51.4	51.3	51.1	265.7	274.1	275.4	169.7	170.6	171.0
Orange County	85.3	85.9	86.2	365.2	373.4	376.1	132.9	135.5	136.3
Riverside-San Bernardino	29.9	30.1	30.1	212.4	220.3	220.7	169.7	173.9	174.2
Sacramento	39.3	39.0	39.3	165.6	173.1	171.6	168.5	168.9	169.3
Salinas	6.1	6.0	6.0	31.7	32.5	32.8	26.7	28.2	28.2
San Diego	56.9	56.2	56.4	318.4	326.9	328.6	193.6	194.9	195.5
San Francisco	97.5	98.7	98.7	342.5	361.7	361.7	125.4	126.8	127.3
San Jose	29.9	30.3	30.4	284.7	297.1	300.5	89.6	90.1	90.3
Santa Barbara-Santa Maria-Lompoc	7.0	7.2	7.0	47.0	47.1	47.2	30.3	31.1	31.4
Santa Rosa	9.4	9.3	9.3	45.1	45.2	45.8	25.7	26.3	27.2
Stockton-Lodi	8.3	8.4	8.4	40.7	41.3	41.8	33.9	34.6	34.8
Vallejo-Fairfield-Napa	5.6	5.7	5.7	38.3	38.6	38.9	31.4	31.4	31.6
Ventura	11.7	11.6	12.0	73.3	76.5	76.8	44.6	44.4	44.5
Colorado	117.4	121.0	119.8	556.8	586.4	579.8	316.3	316.2	318.2
Boulder-Longmont	5.3	5.6	5.5	46.0	48.9	49.2	26.9	26.5	27.0
Colorado Springs	10.5	10.7	10.7	69.0	71.6	72.4	34.4	34.8	34.8
Denver	78.3	79.2	79.7	304.2	309.6	311.6	142.9	143.9	144.5
Connecticut	130.4	128.9	129.6	481.9	492.7	497.6	226.5	232.6	230.3
Bridgeport	10.3	10.5	10.5	56.7	57.0	57.4	20.2	20.0	19.9
Danbury	3.9	4.2	4.2	23.7	23.9	24.3	9.5	9.7	9.5
Hartford	70.0	66.4	66.4	166.8	168.9	169.6	95.3	95.4	93.3
New Haven-Meriden	13.5	13.7	13.7	85.5	86.1	85.4	31.3	31.2	31.2
New London-Norwich	3.5	3.6	3.7	33.7	33.6	34.4	31.8	35.0	35.5
Stamford-Norwalk	22.2	23.2	23.1	68.1	69.1	70.0	17.7	17.6	17.5
Waterbury	4.4	4.5	4.5	25.2	25.3	25.9	12.8	12.7	12.7
Delaware	43.2	46.1	46.4	102.7	104.0	105.6	53.8	54.4	54.4
Dover	2.3	2.5	2.5	11.2	12.0	12.3	15.0	15.0	15.3
Wilmington-Newark	37.5	39.9	40.2	84.1	64.2	85.3	38.0	38.0	38.0
District of Columbia	28.2	27.7	27.7	260.5	267.0	265.0	241.4	230.5	230.4
Washington PMSA	129.2	128.5	128.9	903.4	922.7	930.3	602.1	590.9	591.8
Florida	393.2	405.1	406.1	2,117.7	2,228.8	2,229.5	940.2	959.4	960.0
Daytona Beach	6.7	6.6	6.6	50.7	53.4	52.9	23.4	24.1	24.3
Fort Lauderdale	43.4	43.4	43.4	202.9	215.0	214.0	83.0	84.6	84.9
Fort Myers-Cape Coral	8.3	8.3	8.3	48.9	49.9	49.4	23.5	24.5	24.3
Gainesville	4.9	5.2	5.2	30.6	31.3	31.2	38.4	38.9	38.7
Jacksonville	51.3	52.6	53.1	153.2	160.7	162.8	87.0	70.1	70.8
Lakeland-Winter Haven	7.7	7.8	7.9	45.0	47.8	47.3	25.3	25.8	26.0
Melbourne-Titusville-Palm Bay	5.7	5.8	5.7	59.2	60.8	60.9	24.8	24.8	24.8
Miami	67.2	68.0	68.1	301.9	314.7	318.7	133.2	137.1	136.3
Orlando	44.4	46.1	48.1	304.1	328.1	328.0	83.0	85.5	85.4
Pensacola	5.9	5.8	5.9	47.1	48.0	48.0	28.2	28.3	28.2
Sarasota-Bradenton	11.4	11.9	11.8	95.6	103.0	103.8	22.9	24.0	24.0
Tallahassee	5.5	5.6	5.9	37.4	38.7	38.9	58.9	58.9	58.7
Tampa-St. Petersburg-Clearwater	70.3	74.0	74.8	382.1	400.8	398.8	131.9	134.6	132.8
West Palm Beach-Boca Raton	28.5	29.5	29.5	157.7	168.8	165.2	53.5	54.3	54.3

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry --- Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Georgia	3,529.3	3,588.5	3,590.1	7.8	7.8	7.7	168.5	163.5	164.2
Albany	58.7	59.3	59.3	(2)	(2)	(2)	4.1	3.9	3.9
Athens	71.9	72.6	73.3	(1)	(1)	(1)	2.6	2.5	2.5
Atlanta	1,903.7	1,936.8	1,948.2	1.6	1.6	1.8	93.3	92.6	92.2
Augusta-Aiken	192.5	195.2	195.3	.4	.4	.4	10.6	10.4	10.5
Columbus	111.3	112.3	113.0	(1)	(1)	(1)	5.1	5.1	5.2
Macon	145.2	147.4	147.0	1.2	1.1	1.0	6.1	6.2	6.3
Savannah	129.9	133.1	132.9	(1)	(1)	(1)	7.4	8.0	7.3
Hawaii	532.7	530.7	530.9	(1)	(1)	(1)	23.6	21.3	21.0
Honolulu	408.0	402.9	404.1	(1)	(1)	(1)	18.1	18.0	15.9
Idaho	491.9	498.1	502.3	3.1	3.2	3.2	31.1	31.2	32.1
Boise City	186.4	193.2	195.6	(1)	(1)	(1)	13.0	14.2	14.6
Illinois	5,694.5	5,717.8	5,761.8	12.6	12.2	12.5	223.4	214.3	223.7
Bloomington-Normal	77.0	78.0	77.2	(1)	(1)	(1)	2.5	2.5	2.6
Champaign-Urbana	97.1	98.0	98.8	(1)	(1)	(1)	3.2	2.8	3.0
Chicago	3,973.4	3,994.5	4,029.2	1.7	1.6	1.6	154.8	149.3	154.9
Davenport-Moline-Rock Island	174.5	174.4	176.2	(1)	(1)	(1)	8.7	8.2	8.7
Decatur	57.8	57.1	57.7	(1)	(1)	(1)	3.8	3.5	3.8
Kankakee	43.1	43.3	43.5	(1)	(1)	(1)	2.1	2.0	2.1
Peoria-Pekin	166.7	165.8	167.2	(1)	(1)	(1)	7.4	6.8	7.5
Rockford	174.7	174.0	176.1	(1)	(1)	(1)	6.9	6.2	6.8
Springfield	112.2	111.8	112.4	(1)	(1)	(1)	4.9	4.6	4.8
Indiana	2,841.9	2,835.7	2,865.4	6.3	6.4	6.6	138.3	133.1	137.7
Bloomington	60.9	65.7	64.4	(1)	(1)	(1)	3.1	3.3	3.4
Elkhart-Goshen	118.1	116.4	117.5	(1)	(1)	(1)	4.4	4.8	4.6
Evansville-Henderson	152.1	151.0	152.4	1.4	1.4	1.5	9.6	8.8	9.4
Fort Wayne	264.8	267.7	269.4	(1)	(1)	(1)	12.2	13.5	14.1
Gary	260.2	265.4	265.5	(1)	(1)	(1)	16.1	17.7	17.3
Indianapolis	618.2	623.6	627.3	.8	.7	.7	42.8	44.1	48.1
Kokomo	52.9	52.4	53.3	(1)	(1)	(1)	1.5	1.8	2.0
Lafayette	91.0	91.4	89.0	(1)	(1)	(1)	3.6	3.9	4.1
Muncie	60.9	60.9	61.2	(1)	(1)	(1)	2.6	2.6	2.7
South Bend	131.3	132.8	135.9	(1)	(1)	(1)	7.1	7.1	7.3
Terre Haute	68.9	69.8	69.0	.2	.2	.2	3.1	3.3	3.3
Iowa	1,396.9	1,403.9	1,417.5	2.3	2.1	2.2	60.7	60.2	64.1
Cedar Rapids	109.0	111.1	111.6	(1)	(1)	(1)	5.6	5.5	5.7
Des Moines	269.3	270.4	271.7	(1)	(1)	(1)	12.2	11.5	12.1
Dubuque	49.7	49.9	50.4	(1)	(1)	(1)	2.0	1.8	2.0
Iowa City	65.5	65.5	66.6	(1)	(1)	(1)	2.3	2.1	2.3
Sioux City	64.9	64.4	65.1	(1)	(1)	(1)	3.3	3.5	3.7
Waterloo-Cedar Falls	70.2	69.8	70.3	(1)	(1)	(1)	2.7	2.6	2.8
Kansas	1,239.5	1,284.5	1,271.5	7.9	7.7	7.6	58.1	59.2	60.6
Lawrence	45.9	45.3	45.5	(1)	(1)	(1)	2.1	2.0	1.9
Topeka	101.4	99.4	98.9	(1)	(1)	(1)	4.4	4.2	4.3
Wichita	286.0	272.1	273.5	1.4	1.5	1.5	13.7	13.9	13.9
Kentucky	1,681.0	1,700.7	1,713.4	23.0	22.5	22.3	77.7	76.5	79.1
Lexington	262.1	268.3	268.7	.2	.2	.3	12.4	12.4	12.9
Louisville	537.9	544.9	549.0	.6	.7	.7	28.7	26.6	27.1
Owensboro	42.4	42.7	43.5	.3	.3	.3	3.0	3.1	3.2
Louisiana	1,616.5	1,835.7	1,838.3	48.8	50.9	51.4	113.7	113.2	113.2
Alexandria	53.7	53.3	53.5	.1	.1	.1	3.3	3.1	3.2
Baton Rouge	277.0	285.0	285.6	.8	.9	1.0	31.3	30.8	31.5
Houma	68.3	71.5	72.2	6.0	6.7	7.1	3.2	3.4	3.4
Lafayette	152.6	157.3	158.7	13.5	14.4	14.6	8.0	6.6	6.9
Lake Charles	83.6	83.9	83.4	1.4	1.3	1.3	9.5	8.6	8.2
Monroe	67.7	67.5	67.7	.2	.2	.2	3.6	3.6	3.6
New Orleans	606.1	607.6	610.1	14.4	14.2	14.5	28.2	28.1	28.5
Shreveport-Bossier City	168.1	168.3	166.6	2.4	2.4	2.4	9.7	9.7	9.9
Maine	540.9	536.0	548.3	.1	.1	.1	23.2	21.1	24.2
Lewiston-Auburn	40.3	40.6	41.1	(2)	(2)	(2)	1.6	1.5	1.7
Portland	134.9	137.0	139.0	(2)	(2)	(2)	6.1	6.0	6.4

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Georgia	581.6	585.9	587.6	221.7	224.9	226.0	890.1	903.2	908.1
Albany	8.4	8.5	8.8	2.8	2.9	2.8	14.0	14.3	14.1
Athens	11.7	11.9	12.0	1.9	2.0	2.0	18.1	18.9	18.9
Atlanta	213.5	218.3	219.1	158.1	159.8	160.7	508.3	516.0	519.8
Augusta-Aiken	41.2	41.1	41.3	6.2	6.6	6.5	42.5	44.3	44.2
Columbus	21.4	21.1	20.8	3.8	3.5	3.5	25.1	24.9	25.0
Macon	19.9	20.9	20.8	5.1	5.3	5.3	33.9	34.3	34.0
Savannah	16.8	17.3	17.3	9.2	9.3	9.6	33.4	34.4	34.5
Hawaii	16.6	18.4	16.3	40.8	41.1	40.9	134.0	134.1	133.7
Honolulu	12.8	12.7	12.7	33.0	33.3	33.1	100.7	99.0	96.7
Idaho	71.7	72.1	72.8	22.9	23.1	23.4	124.2	126.7	127.9
Boise City	33.7	34.4	34.8	8.8	9.1	9.2	44.4	46.0	46.7
Illinois	968.4	976.8	978.2	330.5	338.8	340.9	1,300.3	1,287.4	1,300.4
Bloomington-Normal	8.6	9.0	8.9	2.8	2.8	2.8	17.3	17.3	17.4
Champaign-Urbana	12.0	12.3	12.2	2.5	2.5	2.5	21.2	21.5	21.5
Chicago	652.9	660.4	661.0	244.3	250.0	251.3	899.3	893.7	903.0
Davenport-Moline-Rock Island	29.3	30.0	30.1	9.1	8.9	9.2	47.2	46.8	47.4
Decatur	13.8	13.6	13.6	5.2	5.2	5.2	12.4	12.3	12.4
Kankakee	8.4	8.6	8.5	1.9	1.9	1.9	10.7	10.5	10.6
Peoria-Pekin	31.1	31.6	31.7	9.1	9.1	9.1	40.4	40.3	40.6
Rockford	52.9	53.6	53.8	8.2	8.1	8.2	36.7	37.0	37.3
Springfield	4.5	4.6	4.5	4.9	4.8	4.8	24.1	23.7	24.0
Indiana	677.3	670.4	674.4	140.2	139.6	140.1	682.2	677.8	689.5
Bloomington	10.0	9.9	10.1	1.8	1.9	2.0	14.8	14.8	14.4
Elkhart-Goshen	59.1	58.5	59.0	3.5	3.4	3.3	22.0	22.2	22.3
Evansville-Henderson	32.3	31.2	31.5	7.3	7.4	7.4	37.2	36.5	36.5
Fort Wayne	73.2	74.0	74.2	12.7	12.5	12.5	63.2	63.0	63.8
Gary	51.6	50.6	50.6	15.4	15.1	15.1	62.9	62.1	63.2
Indianapolis	125.1	125.3	125.3	49.0	48.9	48.9	215.8	217.7	219.1
Kokomo	21.8	20.8	21.1	1.3	1.3	1.3	11.4	11.4	11.6
Lafayette	22.0	22.1	22.2	2.3	2.3	2.3	19.0	19.1	19.0
Muncie	11.1	10.9	10.9	3.9	4.1	4.1	13.6	13.4	13.6
South Bend	22.4	21.7	21.9	5.8	6.0	6.2	33.8	33.8	34.3
Terre Haute	11.9	11.5	11.8	3.3	3.3	3.2	20.4	20.1	20.0
Iowa	247.7	247.9	248.4	62.8	65.0	65.4	343.6	338.9	343.4
Cedar Rapids	20.8	21.1	21.1	7.6	7.9	7.9	25.0	24.5	24.8
Des Moines	24.8	24.7	24.8	13.1	13.6	13.7	70.9	70.8	71.1
Dubuque	11.1	11.7	11.8	2.1	2.0	2.0	12.1	11.9	12.1
Iowa City	4.6	4.7	4.8	2.1	1.9	1.9	12.2	12.7	12.8
Sioux City	13.0	12.5	12.5	3.8	3.8	3.8	16.0	15.5	15.7
Waterloo-Cedar Falls	14.6	14.4	14.5	2.0	2.1	2.1	16.6	16.3	16.4
Kansas	195.4	202.0	202.3	70.2	72.4	72.6	303.2	307.0	309.5
Lawrence	5.1	5.1	5.1	1.2	1.2	1.2	11.6	11.6	11.7
Topeka	10.8	10.1	9.0	6.4	6.7	6.7	21.6	21.5	21.6
Wichita	61.1	67.3	68.1	10.5	10.4	10.4	61.9	61.9	62.5
Kentucky	310.8	313.4	312.8	93.4	95.6	96.2	402.3	406.1	411.5
Lexington	43.9	44.9	45.3	10.2	10.3	10.4	59.5	60.4	60.5
Louisville	87.8	88.8	87.3	38.4	38.3	38.9	133.2	135.4	136.8
Owensboro	6.9	6.8	6.9	2.0	2.2	2.2	10.7	11.0	11.2
Louisiana	188.8	187.3	187.3	108.5	109.1	109.5	422.1	430.0	431.2
Alexandria	3.3	3.5	3.5	2.8	2.6	2.6	11.6	12.0	12.0
Baton Rouge	24.4	24.2	24.5	12.8	12.3	12.4	63.6	66.1	66.5
Houma	5.8	6.5	6.6	7.1	7.5	7.6	18.7	17.0	16.9
Lafayette	15.5	16.0	16.1	9.1	9.5	9.5	39.1	40.4	40.7
Lake Charles	11.6	11.9	12.0	4.4	4.5	4.3	17.7	18.2	18.2
Monroe	8.3	7.9	7.9	3.8	3.8	3.8	16.7	16.6	16.7
New Orleans	47.5	47.5	47.8	42.3	42.4	42.6	150.3	152.1	152.3
Shreveport-Bossier City	19.9	20.1	17.6	8.5	8.1	8.2	38.7	38.7	38.8
Maine	87.7	86.1	87.2	22.4	22.1	22.6	136.1	131.5	137.5
Lewiston-Auburn	7.7	7.9	8.0	1.7	1.7	1.8	10.0	9.9	10.1
Portland	13.9	14.8	14.9	6.2	6.3	6.4	38.4	38.4	39.2

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
Georgia	179.3	184.7	186.3	904.7	925.4	935.6	575.6	573.1	574.6
Albany	2.2	2.3	2.3	14.5	14.6	14.9	12.7	12.8	12.7
Athens	2.2	2.2	2.3	15.0	15.2	15.6	20.4	19.9	20.0
Atlanta	122.0	124.4	125.0	555.6	567.2	572.8	253.3	256.9	257.0
Augusta-Aiken	6.3	6.2	6.2	45.5	45.7	45.7	39.8	40.5	40.5
Columbus	7.1	7.7	7.8	28.4	29.7	30.0	20.4	20.3	20.7
Macon	8.2	8.0	8.0	37.9	38.3	38.3	32.9	33.3	33.3
Savannah	4.2	4.2	4.2	37.9	38.8	38.6	21.0	21.3	21.4
Hawaii	36.9	35.9	35.8	165.5	168.4	168.4	115.3	113.5	114.8
Honolulu	29.8	29.1	28.9	120.4	121.3	122.0	93.2	91.5	92.8
Idaho	25.3	25.4	25.6	114.4	116.7	117.1	99.2	99.7	100.2
Boise City	11.5	11.7	11.7	46.1	47.6	48.5	28.9	30.2	30.3
Illinois	385.0	388.4	389.6	1,646.8	1,674.3	1,688.6	827.5	825.6	827.9
Bloomington-Normal	13.5	13.8	13.9	18.3	18.2	18.3	14.0	14.4	13.3
Champaign-Urbana	3.4	3.4	3.4	20.2	20.3	20.3	34.6	35.2	35.9
Chicago	300.5	303.8	304.6	1,219.7	1,243.6	1,255.9	500.2	492.1	496.9
Davenport-Moline-Rock Island	8.0	8.2	8.3	45.4	45.6	45.6	26.8	26.7	26.9
Decatur	1.9	1.9	1.9	13.9	13.9	14.0	6.8	6.7	6.8
Kankakee	1.7	1.7	1.7	11.3	11.6	11.7	7.0	7.0	7.0
Peoria-Pekin	7.9	8.1	8.1	51.9	51.3	51.5	18.9	18.6	18.7
Rockford	7.3	7.3	7.3	45.1	44.8	45.1	17.6	17.2	17.6
Springfield	7.8	7.9	7.8	32.2	32.6	32.8	33.8	33.6	33.7
Indiana	134.9	137.7	138.4	680.3	670.2	678.2	404.4	400.5	400.5
Bloomington	2.4	2.1	2.1	12.4	12.4	12.4	16.6	21.3	20.0
Elkhart-Goshen	2.8	2.7	2.6	18.8	17.7	18.3	7.5	7.3	7.4
Evansville-Henderson	7.3	7.4	7.4	42.0	43.2	43.1	15.0	15.1	15.6
Fort Wayne	14.3	14.7	14.6	61.8	62.5	62.6	27.4	27.5	27.6
Gary	9.3	9.5	9.6	65.9	73.2	72.1	37.0	37.2	37.6
Indianapolis	58.8	60.8	60.9	214.2	216.3	218.1	111.7	109.8	110.2
Kokomo	1.5	1.5	1.5	8.4	8.3	8.4	7.0	7.3	7.4
Lafayette	3.8	3.6	3.6	16.7	16.0	16.1	23.6	24.4	21.7
Muncie	1.8	1.8	1.7	15.1	15.4	15.5	12.8	12.7	12.7
South Bend	6.4	6.8	6.7	42.6	43.7	45.5	13.2	13.9	14.0
Terre Haute	2.3	2.4	2.4	16.4	16.6	18.6	11.3	12.4	11.7
Iowa	77.8	78.2	78.6	361.9	375.2	377.0	240.1	236.4	238.4
Cedar Rapids	5.7	5.7	5.7	32.8	35.5	35.1	11.5	10.9	11.3
Des Moines	36.7	37.1	37.5	76.4	78.4	78.2	35.2	34.3	34.3
Dubuque	1.6	1.6	1.6	17.1	17.1	17.1	3.7	3.8	3.8
Iowa City	1.7	1.8	1.8	14.2	14.0	14.6	28.4	28.3	28.4
Sioux City	2.6	2.6	2.6	18.7	19.0	19.1	7.5	7.5	7.7
Waterloo-Cedar Falls	3.2	3.3	3.3	18.1	18.1	18.2	13.0	13.0	13.0
Kansas	58.4	59.8	59.9	301.7	311.1	312.8	244.6	245.3	246.0
Lawrence	2.0	1.9	1.9	10.4	10.3	10.3	13.5	13.2	13.4
Topeka	6.6	6.9	6.9	27.1	27.0	27.0	24.3	23.0	23.4
Wichita	11.2	11.1	11.1	72.1	71.7	71.7	34.1	34.3	34.3
Kentucky	67.2	68.5	68.9	409.9	420.3	424.2	296.7	297.8	298.4
Lexington	9.9	10.3	10.2	69.4	72.5	72.6	56.6	57.3	56.5
Louisville	28.5	28.6	28.9	153.3	156.7	158.9	69.4	69.8	70.4
Owensboro	1.9	1.8	1.8	10.6	10.6	10.8	7.0	6.9	7.1
Louisiana	82.6	83.5	83.6	486.2	493.8	495.2	385.8	387.9	386.9
Alexandria	2.3	2.3	2.3	16.6	16.5	16.6	13.5	13.2	13.2
Baton Rouge	16.7	17.0	17.2	70.7	73.1	73.6	56.9	60.6	58.9
Houma	2.2	2.3	2.3	14.3	15.0	15.1	13.0	13.1	13.2
Lafayette	5.7	5.8	5.8	38.3	39.0	39.6	23.4	23.6	23.5
Lake Charles	2.7	2.6	2.7	23.1	23.5	23.3	13.2	13.3	13.4
Monroe	4.4	4.7	4.7	17.6	17.7	17.8	13.1	13.0	13.0
New Orleans	30.5	30.8	30.9	168.0	189.6	190.2	104.9	102.9	103.3
Shreveport-Bossier City	6.7	6.5	6.4	49.5	50.0	50.5	32.7	32.8	32.8
Maine	26.7	27.0	27.3	149.9	151.8	154.5	94.6	96.3	94.9
Lewiston-Auburn	1.9	2.1	2.1	12.5	12.6	12.6	4.9	4.9	4.8
Portland	11.9	12.3	12.4	40.4	40.6	41.2	18.0	18.6	18.5

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Maryland	2,220.4	2,236.3	2,253.5	1.2	1.2	1.2	132.3	137.0	141.3
Baltimore PMSA	1,145.8	1,145.3	1,151.3	.2	.2	.2	62.5	64.4	65.6
Baltimore City	405.5	404.3	405.2	(1)	(1)	(1)	12.4	13.0	13.3
Suburban Maryland-D.C.	816.2	823.8	829.3	(1)	(1)	(1)	56.0	59.2	60.5
Massachusetts	3,039.2	3,081.8	3,111.0	1.3	1.2	1.3	95.4	93.9	100.5
Barnstable-Yarmouth	55.7	53.1	56.0	(1)	(1)	(1)	2.5	2.5	2.5
Boston	1,851.4	1,878.0	1,891.4	.4	.4	.4	53.0	52.8	55.5
Brockton	92.0	91.0	91.7	(2)	(2)	(2)	3.2	2.9	3.1
Fitchburg-Leominster	50.7	50.8	51.1	(2)	(2)	(2)	1.5	1.4	1.5
Lawrence	147.9	148.4	149.5	(2)	(2)	(2)	5.8	5.2	5.8
Lowell	110.9	110.2	110.8	(1)	(1)	(1)	5.1	4.3	4.8
New Bedford	62.2	62.1	62.8	(2)	(2)	(2)	2.2	2.0	2.1
Pittsfield	41.1	41.0	41.8	.1	.1	.1	1.5	1.5	1.6
Springfield	247.9	246.8	249.4	.1	.1	.1	7.7	7.3	8.0
Worcester	217.4	219.6	221.3	.2	.2	.2	6.6	6.6	7.2
Michigan	4,372.3	4,379.6	4,439.0	7.7	7.3	7.6	171.4	172.0	189.4
Ann Arbor	259.9	263.4	262.9	(1)	(1)	(1)	9.4	8.9	9.8
Benton Harbor	72.1	71.3	72.6	(1)	(1)	(1)	2.1	2.2	2.2
Detroit	2,053.6	2,080.1	2,104.4	.8	.8	.8	72.7	75.9	82.5
Flint	184.1	180.1	182.3	(1)	(1)	(1)	6.8	6.2	6.8
Grand Rapids-Muskegon-Holland ..	535.6	546.4	553.0	(1)	(1)	(1)	24.5	24.4	25.8
Jackson	60.6	60.3	61.4	(1)	(1)	(1)	2.2	2.0	2.3
Kalamazoo-Battle Creek	205.7	207.9	207.3	(1)	(1)	(1)	7.6	7.4	8.0
Lansing-East Lansing	232.8	232.2	234.2	(1)	(1)	(1)	8.2	7.9	8.8
Saginaw-Bay City-Midland	176.7	176.4	179.4	(1)	(1)	(1)	8.8	8.7	9.5
Minnesota	2,446.4	2,458.9	2,496.2	8.0	7.7	8.1	90.6	82.5	94.4
Duluth-Superior	108.6	109.1	111.3	5.0	5.0	5.1	3.6	3.4	4.0
Minneapolis-St. Paul	1,585.6	1,593.3	1,612.8	(2)	(2)	(2)	57.2	53.2	59.4
Rochester	70.1	70.6	71.3	(1)	(1)	(1)	2.5	2.3	2.6
St. Cloud	86.0	85.2	86.2	(1)	(1)	(1)	3.7	3.3	3.8
Mississippi	1,095.3	1,099.8	1,104.3	5.3	4.9	5.1	49.8	48.4	49.9
Jackson	216.5	217.3	218.6	(2)	(2)	(2)	10.7	10.5	11.1
Missouri	2,587.2	2,610.4	2,628.5	4.8	4.7	4.7	115.6	115.1	118.9
Kansas City	881.0	896.8	904.8	(1)	(1)	(1)	43.3	45.7	47.8
St. Louis	1,274.2	1,291.5	1,296.7	(1)	(1)	(1)	62.0	63.2	64.7
Springfield	157.3	158.6	159.3	(1)	(1)	(1)	6.8	6.4	6.6
Montana	362.7	358.5	366.0	5.3	5.2	5.5	17.1	15.8	18.2
Nebraska	838.6	848.1	852.1	1.3	1.1	1.1	37.7	37.2	38.8
Lincoln	143.6	145.4	145.9	(1)	(1)	(1)	8.2	6.0	6.2
Omaha	385.6	390.4	393.8	(1)	(1)	(1)	17.6	17.9	18.7
Nevada	837.7	885.9	892.2	14.6	14.9	15.0	72.1	82.0	82.9
Las Vegas	567.5	628.8	631.6	2.1	2.1	2.2	58.0	63.7	63.7
Reno	172.4	176.3	177.5	.6	.6	.6	11.8	12.9	13.3
New Hampshire	562.5	563.5	573.1	.5	.5	.5	20.9	20.1	22.1
Manchester	93.5	94.8	95.2	(1)	(1)	(1)	4.1	4.3	4.6
Nashua	87.3	88.1	89.6	(1)	(1)	(1)	2.6	2.3	2.4
Portsmouth-Rochester	112.0	111.4	113.9	(1)	(1)	(1)	3.3	3.0	3.1
New Jersey	3,648.1	3,673.8	3,703.9	2.0	2.1	2.1	127.1	122.6	127.9
Atlantic-Cape May	177.1	174.7	181.0	(1)	(1)	(1)	7.1	8.0	8.8
Bergen-Passaic	627.0	631.7	633.8	(1)	(1)	(1)	21.7	20.1	21.1
Camden	459.2	467.3	470.8	(1)	(1)	(1)	20.1	19.7	20.3
Jersey City	238.2	239.8	241.6	(1)	(1)	(1)	3.8	4.0	4.0
Middlesex-Somerset-Hunterdon ..	579.8	591.8	596.0	.5	.6	.6	19.3	18.5	19.1
Monmouth-Ocean	358.1	353.9	383.1	(1)	(1)	(1)	17.3	16.6	17.3
Newark	931.4	938.2	938.9	.7	.7	.7	30.3	28.4	29.0
Trenton	196.1	196.2	197.5	(1)	(1)	(1)	4.3	4.1	4.3
Vineland-Milville-Bridgeton	57.4	57.3	58.4	.3	.3	.3	1.9	1.8	1.9
New Mexico	696.6	702.3	708.0	15.4	15.0	15.2	43.6	41.1	42.2
Albuquerque	326.3	330.6	333.0	(1)	(1)	(1)	22.4	21.9	22.4
Las Cruces	50.4	51.7	51.9	(1)	(1)	(1)	3.5	3.3	3.3
Santa Fe	70.1	69.1	69.9	(1)	(1)	(1)	3.4	3.3	3.4

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Maryland	174.2	172.8	173.2	106.8	106.7	106.7	530.1	527.7	534.5
Baltimore PMSA	101.2	100.6	100.5	57.6	56.9	57.2	265.7	262.9	265.9
Baltimore City	32.4	32.3	32.4	19.6	19.7	19.6	66.0	64.2	65.2
Suburban Maryland-D.C.	36.5	37.0	37.0	34.4	33.1	33.2	195.1	197.0	198.7
Massachusetts	444.6	444.8	446.7	129.0	131.2	132.7	692.9	690.6	702.1
Barnstable-Yarmouth	2.1	1.8	1.8	2.9	3.0	3.0	18.7	16.9	18.5
Boston	220.7	219.5	220.5	80.9	82.3	82.9	401.4	397.6	401.7
Brockton	10.9	10.6	10.5	5.2	4.9	5.0	30.8	30.4	30.7
Fitchburg-Leominster	13.5	13.6	13.6	1.9	2.0	2.0	12.2	11.9	12.1
Lawrence	37.8	37.8	37.9	4.9	5.0	5.1	34.7	34.9	35.6
Lowell	27.6	28.2	28.5	6.3	6.5	6.6	23.4	23.9	23.4
New Bedford	13.6	14.0	14.1	2.3	2.3	2.4	16.1	15.8	16.1
Pittsfield	7.6	7.4	7.4	1.2	1.2	1.2	10.1	10.0	10.2
Springfield	38.8	39.1	39.3	9.4	9.0	9.0	57.0	56.9	57.6
Worcester	41.2	42.2	42.3	9.0	8.9	9.1	48.6	47.3	48.3
Michigan	966.9	953.5	958.8	169.0	167.5	169.5	1,023.8	1,022.7	1,043.9
Ann Arbor	53.0	52.4	53.3	5.7	5.7	5.7	51.6	51.8	52.4
Benton Harbor	21.1	20.9	21.0	2.9	2.9	2.9	16.0	15.7	16.2
Detroit	444.8	442.3	444.5	92.7	94.0	94.9	485.2	490.7	499.4
Flint	46.0	41.1	40.9	5.1	5.1	5.1	45.4	46.2	47.3
Grand Rapids-Muskegon-Holland	150.9	154.8	155.9	18.5	19.1	19.2	132.6	136.2	138.9
Jackson	12.9	13.0	13.1	3.6	3.6	3.6	15.3	15.4	15.6
Kalamazoo-Battle Creek	50.4	49.4	49.7	6.9	6.9	7.0	45.8	46.0	46.6
Lansing-East Lansing	30.5	29.9	30.2	6.1	6.1	6.2	50.4	50.5	51.2
Saginaw-Bay City-Midland	39.6	39.3	39.4	7.1	7.1	7.3	45.2	44.8	45.6
Minnesota	426.1	431.3	434.0	120.0	122.0	123.1	594.0	594.8	600.6
Duluth-Superior	8.2	8.3	8.3	6.6	7.3	7.3	27.7	27.4	27.9
Minneapolis-St. Paul	273.1	273.9	274.9	85.9	85.6	86.7	380.1	382.8	385.4
Rochester	10.3	10.8	10.6	2.1	2.0	2.0	14.3	14.3	14.4
St. Cloud	15.7	15.8	15.8	3.0	2.8	2.9	26.2	25.9	26.0
Mississippi	247.5	241.8	243.5	52.8	51.4	52.0	233.7	232.1	233.3
Jackson	21.2	21.6	22.2	15.3	14.7	14.8	51.3	51.3	51.1
Missouri	417.6	408.4	410.6	160.2	162.2	162.3	616.2	612.4	616.5
Kansas City	106.5	104.9	107.1	69.0	69.9	69.8	216.7	222.0	223.5
St. Louis	197.5	195.5	194.8	80.4	81.9	82.0	303.0	306.6	310.5
Springfield	23.6	23.9	23.8	10.5	11.3	11.5	45.4	43.9	44.5
Montana	23.3	23.1	23.5	20.9	20.0	20.5	99.0	95.8	98.3
Nebraska	112.7	114.0	114.2	50.2	52.8	52.7	207.0	206.9	208.0
Lincoln	16.5	16.7	16.8	8.9	9.2	9.3	30.2	30.4	30.3
Omaha	39.1	39.5	39.3	25.8	28.8	27.0	92.1	91.0	91.7
Nevada	38.6	39.6	39.8	42.0	43.9	44.1	167.5	178.2	180.1
Las Vegas	21.4	22.2	22.3	29.8	31.2	31.3	118.8	127.7	128.8
Reno	13.0	13.3	13.2	10.8	11.0	11.1	38.9	39.9	40.3
New Hampshire	104.8	106.4	106.9	19.7	19.4	19.6	145.1	144.4	148.9
Manchester	13.1	13.4	13.5	5.5	5.5	5.4	22.5	23.1	23.4
Nashua	27.0	27.3	27.4	2.2	2.1	2.1	21.4	21.5	22.3
Portsmouth-Rochester	18.9	19.0	19.3	3.9	4.3	4.4	29.3	28.6	29.8
New Jersey	485.8	482.8	483.1	253.8	257.1	256.7	852.4	852.0	864.4
Atlantic-Cape May	6.4	6.4	6.4	7.2	7.3	7.4	36.3	34.1	36.0
Bergen-Passaic	106.9	104.9	105.0	33.6	34.3	34.6	172.2	173.0	174.1
Camden	55.2	55.3	55.7	22.4	22.9	22.8	123.0	126.1	127.7
Jersey City	28.9	27.7	28.8	28.8	28.8	28.4	56.7	56.4	56.5
Middlesex-Somerset-Hunterdon	92.9	94.1	93.0	46.2	47.2	48.0	134.8	135.1	136.7
Monmouth-Ocean	22.0	22.1	22.5	21.1	21.2	21.6	96.1	93.7	97.6
Newark	135.4	135.6	134.7	80.6	81.3	81.4	186.2	187.1	188.6
Trenton	20.5	19.9	19.9	7.3	7.6	7.7	32.0	31.1	31.7
Vineland-Millville-Bridgeton	12.9	12.9	13.3	2.9	3.0	3.1	11.3	11.1	11.2
New Mexico	45.5	45.7	46.1	31.8	31.0	31.2	164.1	165.3	167.8
Albuquerque	29.5	30.1	30.3	15.1	14.7	14.6	78.3	79.8	80.4
Las Cruces	2.5	2.6	2.7	1.8	1.8	1.8	10.6	10.8	10.9
Santa Fe	2.0	2.0	2.0	1.3	1.3	1.3	15.0	14.5	14.9

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Maryland	127.7	127.1	127.4	720.0	735.0	740.3	428.1	428.8	428.9
Baltimore PMSA	71.6	69.9	69.9	374.5	379.1	380.4	212.5	211.3	211.6
Baltimore City	33.7	33.0	32.9	152.9	153.9	153.9	88.5	88.2	87.9
Suburban Maryland-D.C.	48.1	47.9	47.7	273.2	278.4	281.2	172.9	171.2	171.0
Massachusetts	206.3	213.4	214.8	1,064.0	1,098.0	1,103.7	405.7	408.7	409.4
Barnstable-Yarmouth	3.3	3.4	3.6	18.7	17.7	18.7	7.5	7.8	7.9
Boston	152.7	157.4	158.4	721.9	746.3	749.3	220.4	221.7	222.7
Brockton	3.0	3.0	3.0	23.4	23.5	23.8	15.5	15.7	15.6
Fitchburg-Leominster	1.5	1.5	1.5	12.7	12.6	12.6	7.4	7.8	7.8
Lawrence	4.5	4.4	4.4	42.1	42.4	42.8	18.3	18.7	18.1
Lowell	3.7	3.8	3.8	30.5	29.1	29.3	14.3	14.4	14.4
New Bedford	1.9	1.9	2.0	16.1	16.1	16.1	10.0	10.0	10.0
Pittsfield	1.9	1.9	1.9	13.8	13.9	14.3	4.9	5.0	5.1
Springfield	12.4	11.7	11.9	76.5	77.0	77.5	46.0	45.7	46.0
Worcester	14.8	15.3	15.4	64.4	66.0	65.5	32.6	33.1	33.3
Michigan	200.2	202.0	203.1	1,175.4	1,194.4	1,207.2	657.8	660.1	659.4
Ann Arbor	9.7	9.9	9.9	61.9	63.0	63.4	68.7	71.7	68.3
Benton Harbor	2.6	2.6	2.6	16.6	18.5	18.9	8.8	8.6	8.8
Detroit	109.6	111.7	111.7	617.5	634.1	639.9	230.2	230.6	230.7
Flint	6.6	6.6	6.7	49.2	49.5	49.8	25.3	25.3	25.6
Grand Rapids-Muskegon-Holland	21.1	21.6	22.0	133.6	136.2	136.9	54.2	54.0	54.5
Jackson	1.9	1.8	1.8	14.2	14.3	14.5	10.4	10.3	10.5
Kalamazoo-Battle Creek	10.7	10.9	10.8	51.5	52.2	52.2	32.8	35.1	33.1
Lansing-East Lansing	13.2	13.3	13.3	54.9	55.8	55.1	69.6	68.6	68.4
Saginaw-Bay City-Midland	6.7	8.7	6.8	46.5	46.8	47.7	22.8	22.9	23.2
Minnesota	142.5	144.3	144.4	674.7	686.8	696.6	390.5	389.5	395.0
Duluth-Superior	3.3	3.4	3.5	30.4	30.8	31.2	23.8	23.5	24.0
Minneapolis-St. Paul	112.4	113.2	113.4	452.6	464.7	468.5	223.7	219.4	223.9
Rochester	2.4	2.3	2.4	31.3	32.0	32.2	7.2	7.1	7.1
St. Cloud	2.9	3.0	3.0	21.2	21.2	21.3	13.3	13.2	13.4
Mississippi	40.8	41.3	41.3	246.1	254.7	253.2	219.5	225.2	226.0
Jackson	15.3	15.8	15.8	58.4	56.1	56.9	45.7	46.6	46.0
Missouri	149.2	154.2	155.3	715.6	729.5	734.4	408.0	423.9	423.8
Kansas City	62.5	63.2	63.2	253.0	256.8	258.8	130.0	134.3	134.6
St. Louis	77.3	77.8	77.5	394.9	404.5	404.8	159.1	162.0	162.4
Springfield	6.6	6.8	6.8	44.7	46.3	46.1	19.7	20.0	20.0
Montana	16.0	16.4	16.7	102.2	102.4	103.4	78.9	79.8	79.9
Nebraska	52.8	54.4	54.6	220.4	227.9	227.6	156.5	154.0	155.1
Lincoln	9.1	9.7	9.7	36.3	37.4	37.0	36.4	36.0	36.6
Omaha	32.7	33.2	33.6	126.6	131.6	132.6	51.7	50.4	50.9
Nevada	37.6	39.0	39.2	383.7	380.7	383.0	101.6	107.6	108.1
Las Vegas	28.7	29.9	30.0	269.1	285.6	286.9	61.6	66.4	66.4
Reno	7.4	7.8	7.9	67.3	67.4	67.6	22.8	23.4	23.5
New Hampshire	28.3	28.3	28.4	162.4	160.7	164.0	80.8	83.7	82.7
Manchester	7.4	6.7	6.7	30.4	31.1	31.1	10.5	10.7	10.5
Nashua	3.2	3.1	3.2	22.4	23.4	24.0	8.3	8.4	8.2
Portsmouth-Rochester	5.8	5.7	5.8	29.5	28.3	29.4	21.3	22.5	22.1
New Jersey	230.3	233.3	234.4	1,125.8	1,148.4	1,161.2	570.9	575.5	572.1
Atlantic-Cape May	5.9	6.0	6.0	85.6	84.4	86.2	28.6	28.5	28.2
Bergen-Passaic	33.9	34.4	34.3	187.3	192.5	193.9	71.4	72.5	70.8
Camden	22.1	22.5	22.5	138.0	141.6	143.7	78.4	79.2	78.1
Jersey City	23.5	24.9	25.0	56.8	58.9	59.8	39.7	39.1	39.1
Middlesex-Somerset-Hunterdon	42.1	43.1	43.4	167.3	175.3	177.9	76.7	77.9	77.3
Monmouth-Ocean	17.7	18.2	18.4	119.6	119.3	122.1	64.3	62.8	63.6
Newark	70.2	69.4	69.1	286.5	290.8	291.0	141.5	144.9	144.4
Trenton	10.7	11.1	11.1	68.0	68.7	69.1	53.3	53.7	53.7
Vineyard-Hillville-Bridgeton	3.3	3.3	3.3	11.9	11.9	12.1	12.9	13.0	13.2
New Mexico	31.7	32.0	32.2	191.9	195.7	196.5	172.6	176.5	176.8
Albuquerque	17.2	17.4	17.4	101.2	102.7	103.6	62.6	64.0	64.1
Las Cruces	1.9	1.9	1.9	10.5	11.3	11.2	19.6	20.0	20.1
Santa Fe	3.2	3.3	3.3	21.2	20.9	21.3	24.0	23.8	23.7

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
New York	7,954.4	7,958.8	8,033.4	4.8	4.7	5.1	253.9	248.6	264.3
Albany-Schenectady-Troy	428.4	428.3	430.3	.5	.5	.5	13.9	12.9	14.4
Binghamton	110.8	112.3	113.9	(1)	(1)	(1)	3.8	3.5	4.0
Buffalo-Niagara Falls	542.2	533.6	542.5	(1)	(1)	(1)	21.0	19.1	21.4
Dutchess County	107.0	107.0	107.7	(1)	(1)	(1)	4.1	4.2	4.6
Elmira	42.2	43.3	43.5	(1)	(1)	(1)	1.3	1.4	1.5
Glens Falls	49.6	47.9	49.9	(1)	(1)	(1)	2.0	1.8	1.9
Nassau-Suffolk	1,107.2	1,104.7	1,119.9	(1)	(1)	(1)	45.5	44.9	46.9
New York PMSA	3,864.5	3,892.1	3,909.0	(1)	(1)	(1)	113.1	114.7	117.1
New York City	3,361.4	3,391.0	3,403.2	.3	.3	.3	90.2	91.4	92.8
Newburgh	119.4	117.7	119.0	(1)	(1)	(1)	4.1	4.2	4.2
Rochester	531.4	527.6	534.4	.7	.4	.4	16.3	15.2	16.9
Rockland County	98.6	99.5	99.7	(1)	(1)	(1)	3.4	4.0	4.0
Syracuse	332.7	333.0	334.1	(1)	(1)	(1)	12.5	10.8	12.4
Utica-Rome	127.0	125.7	127.2	(1)	(1)	(1)	3.0	2.7	3.3
Westchester County	385.1	381.9	386.0	(1)	(1)	(1)	17.8	17.4	18.3
North Carolina	3,556.7	3,627.0	3,649.7	3.8	3.9	4.0	189.3	198.1	200.1
Asheville	103.1	106.2	106.8	(1)	(1)	(1)	5.7	5.8	6.0
Charlotte-Gastonia-Rock Hill	730.3	740.4	741.4	(1)	(1)	(1)	43.2	44.8	44.9
Greensboro-Winston-Salem-High Point	611.6	618.4	618.6	(1)	(1)	(1)	29.1	30.2	30.3
Raleigh-Durham-Chapel Hill	573.4	591.0	592.5	(1)	(1)	(1)	30.6	32.5	33.1
North Dakota	312.3	311.3	318.8	4.2	4.0	4.4	15.6	12.9	16.6
Bismarck	47.9	47.6	48.9	(1)	(1)	(1)	2.6	2.2	2.6
Fargo-Moorhead	92.6	93.8	95.0	(1)	(1)	(1)	5.5	4.9	6.2
Grand Forks	48.7	49.0	46.3	(1)	(1)	(1)	2.3	1.9	2.3
Ohio	5,329.4	5,322.6	5,382.6	13.9	13.7	13.8	215.9	211.1	222.4
Akron	321.6	318.6	323.3	.4	.3	.4	12.8	12.4	13.3
Canton-Massillon	178.3	179.6	181.2	.6	.7	.7	8.0	8.2	8.5
Cincinnati	826.0	828.1	836.2	.7	.7	.7	37.0	39.6	40.7
Cleveland-Lorain-Elyria	1,124.0	1,126.4	1,138.6	.9	.9	.9	42.3	41.9	44.7
Columbus	800.9	804.0	811.6	.7	.6	.6	32.8	32.5	34.1
Dayton-Springfield	468.6	470.0	472.1	.4	.4	.4	17.0	17.2	17.9
Hamilton-Middletown	113.3	113.8	114.2	(1)	(1)	(1)	6.1	6.5	6.6
Lima	77.4	77.7	78.6	(1)	(1)	(1)	3.6	3.8	3.9
Mansfield	79.5	80.3	81.0	(1)	(1)	(1)	2.5	2.3	2.5
Steubenville-Weirton	52.2	47.2	47.5	.4	.4	.4	1.7	1.6	1.6
Toledo	315.8	312.9	316.0	.2	.2	.2	15.3	14.7	15.2
Youngstown-Warren	244.6	242.5	244.3	.6	.6	.6	9.6	9.2	9.8
Oklahoma	1,361.2	1,380.0	1,391.6	32.0	31.2	31.6	50.9	50.8	51.2
Enid	23.6	22.8	24.0	1.0	1.0	1.1	.9	1.1	1.1
Lawton	38.1	38.1	38.7	.1	.1	.1	1.4	1.5	1.5
Oklahoma City	495.1	498.8	501.2	7.0	7.0	7.0	18.9	18.7	19.0
Tulsa	360.8	372.5	376.6	7.7	7.5	7.7	14.3	14.4	14.7
Oregon	1,467.4	1,509.9	1,522.4	1.8	1.8	1.9	75.3	78.6	81.8
Eugene-Springfield	133.7	136.0	137.5	.2	.2	.2	5.2	6.0	6.3
Medford-Ashland	64.9	65.3	66.7	.1	.1	.1	2.8	2.8	2.9
Portland-Vancouver	873.4	906.1	913.7	1.0	1.1	1.2	49.6	51.4	54.2
Salem	126.7	130.2	131.0	.2	.3	.3	6.6	6.5	6.7
Pennsylvania	5,336.3	5,407.3	5,450.1	19.6	19.7	19.9	205.4	206.7	214.9
Allentown Bethlehem-Easton	261.2	262.4	263.8	(1)	(1)	(1)	10.2	10.2	10.2
Altoona	56.9	57.1	57.0	(1)	(1)	(1)	2.6	2.5	2.5
Erie	127.7	128.7	128.9	(1)	(1)	(1)	4.5	4.2	4.6
Harrisburg-Lebanon-Carlisle	346.8	349.0	352.0	(1)	(1)	(1)	12.8	12.3	12.7
Johnstown	88.1	87.6	88.5	(1)	(1)	(1)	4.7	4.5	4.6
Lancaster	206.5	211.3	211.9	.4	.4	.4	11.6	12.1	12.2
Philadelphia PMSA	2,228.7	2,239.5	2,249.9	(1)	(1)	(1)	80.1	79.3	81.7
Philadelphia City	678.3	682.6	679.8	(1)	(1)	(1)	10.4	10.2	10.2
Pittsburgh	1,063.8	1,061.2	1,069.3	4.1	4.2	4.2	48.5	45.4	47.5
Reading	161.5	163.8	166.3	(1)	(1)	(1)	6.8	6.6	6.9
Scranton-Wilkes-Barre-Hazleton	273.4	272.9	275.3	.5	.5	.5	10.1	9.2	10.0
Sharon	47.0	46.8	47.5	(1)	(1)	(1)	1.5	1.4	1.6
State College	66.8	68.5	67.6	(1)	(1)	(1)	2.7	2.4	2.4
Williamsport	53.2	53.7	54.6	(1)	(1)	(1)	2.3	2.3	2.4
York	161.8	162.0	162.9	.5	.4	.4	7.8	7.7	8.0

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
New York	923.9	911.7	916.6	404.6	404.8	409.0	1,616.5	1,606.7	1,632.5
Albany-Schenectady-Troy	39.6	38.9	38.9	16.1	17.0	17.1	91.2	92.2	93.2
Binghamton	24.5	25.4	25.5	4.7	4.7	4.8	23.2	23.2	23.4
Buffalo-Niagara Falls	89.5	88.8	88.3	28.3	25.6	28.2	129.0	127.4	129.8
Dutchess County	17.3	17.5	17.5	4.0	3.8	3.9	20.4	20.3	20.8
Elmira	9.2	9.6	9.3	1.5	1.5	1.5	10.5	11.0	11.1
Glens Falls	8.5	8.0	8.1	1.4	1.3	1.4	11.0	10.7	11.2
Nassau-Suffolk	110.7	109.2	109.6	50.1	48.8	49.4	283.7	281.0	286.0
New York PMSA	320.8	313.6	315.6	230.8	231.3	232.1	673.0	672.5	679.3
New York City	268.1	260.6	262.6	204.7	205.2	205.8	562.1	561.8	566.8
Newburgh	12.4	11.5	11.5	6.7	6.5	6.5	32.7	32.3	33.0
Rochester	127.4	126.2	126.2	18.0	17.9	18.0	110.6	110.8	113.3
Rockland County	11.8	12.0	12.0	5.8	5.9	6.1	22.3	22.6	22.7
Syracuse	49.4	49.4	49.6	18.3	18.3	18.3	78.1	77.8	79.4
Utica-Rome	20.1	18.7	18.7	3.9	4.1	4.1	27.0	26.8	27.3
Westchester County	41.2	39.3	39.3	19.6	19.5	19.5	84.5	84.0	85.4
North Carolina	844.5	837.1	838.5	167.4	172.4	172.7	811.7	814.9	824.6
Asheville	20.2	19.7	19.8	4.8	4.9	4.9	25.3	25.4	25.5
Charlotte-Gastonia-Rock Hill	148.1	146.1	145.8	52.4	51.5	51.8	175.9	176.5	177.4
Greensboro-Winston-Salem-High Point	166.0	164.2	165.0	33.1	32.7	32.6	142.2	140.9	140.9
Raleigh-Durham-Chapel Hill	81.8	82.0	82.3	25.4	26.2	26.2	120.6	122.7	122.8
North Dakota	21.7	22.4	22.7	18.2	18.4	18.4	81.3	80.1	81.5
Bismarck	2.6	2.5	2.7	3.2	3.1	3.1	12.0	11.7	12.1
Fargo-Moorhead	7.4	8.0	8.2	5.4	5.4	5.4	28.7	26.7	27.0
Grand Forks	3.8	3.8	3.8	2.2	2.3	2.0	13.8	13.5	12.0
Ohio	1,094.4	1,082.0	1,084.4	231.9	233.1	234.6	1,299.3	1,303.7	1,320.8
Akron	65.0	63.5	63.6	14.8	14.6	14.5	78.8	79.1	80.0
Canton-Massillon	46.3	46.0	46.0	5.6	5.5	5.6	44.3	43.7	44.5
Cincinnati	140.4	141.3	141.9	43.4	43.6	44.1	215.3	214.6	216.9
Cleveland-Lorain-Elyria	228.5	222.1	223.3	45.4	44.6	45.1	264.9	267.1	269.8
Columbus	91.5	91.5	91.4	35.6	36.3	38.2	215.8	214.2	216.2
Dayton-Springfield	99.8	99.5	99.7	19.0	19.0	18.9	109.2	108.6	109.4
Hamilton-Middletown	21.2	21.0	21.0	4.5	4.8	4.8	31.0	31.0	31.0
Lima	20.1	19.8	19.8	2.9	2.9	2.9	18.4	18.7	19.1
Mansfield	22.4	23.1	23.1	4.1	4.3	4.3	18.2	18.0	18.1
Steubenville-Weirton	14.4	10.9	10.9	2.9	2.7	2.7	11.2	10.7	10.8
Toledo	61.0	60.8	61.3	14.4	13.9	13.9	77.6	77.8	78.4
Youngstown-Warren	58.8	58.9	58.8	10.0	10.1	10.2	62.4	62.0	61.9
Oklahoma	173.3	173.5	174.1	77.8	77.4	78.1	318.2	322.8	325.6
Enid	1.8	1.9	1.9	2.0	2.0	2.0	6.0	5.9	6.0
Lawton	3.7	3.7	3.7	1.8	1.7	1.7	8.8	8.8	8.9
Oklahoma City	52.5	49.0	49.1	23.7	24.2	24.2	117.4	119.5	120.1
Tulsa	54.7	56.9	57.4	28.7	28.9	29.1	85.6	87.6	89.0
Oregon	229.8	238.4	241.2	72.1	73.7	73.5	361.8	369.0	373.1
Eugene-Springfield	19.2	21.1	21.5	4.4	4.5	4.5	33.9	34.8	35.0
Medford-Ashland	8.9	8.9	9.1	3.2	3.1	3.2	18.9	18.9	19.4
Portland-Vancouver	139.8	144.5	146.1	49.5	51.0	51.3	215.9	225.6	227.3
Salem	16.5	16.2	16.4	3.4	3.4	3.4	27.3	27.8	28.1
Pennsylvania	929.4	930.4	932.2	273.6	271.9	273.9	1,206.7	1,218.2	1,238.4
Allentown Bethlehem-Easton	56.8	56.8	56.3	14.6	15.0	15.0	53.9	53.7	54.3
Alltoona	9.8	10.2	9.6	4.3	4.2	4.2	15.1	15.0	15.2
Erie	34.0	33.9	33.4	4.6	4.6	4.6	29.1	28.8	29.3
Harrisburg-Lebanon-Carlisle	45.4	45.2	44.9	22.9	23.9	24.1	77.0	77.8	78.6
Johnstown	12.7	12.9	13.0	5.1	4.9	5.0	20.7	20.5	20.9
Lancaster	55.9	56.6	56.5	8.0	8.6	8.6	51.4	52.2	53.2
Philadelphia PMSA	305.6	306.4	306.9	106.0	105.2	105.5	493.6	493.8	499.1
Philadelphia City	60.3	60.5	60.7	32.9	33.4	33.1	114.4	112.8	114.3
Pittsburgh	133.7	132.3	133.4	66.3	65.4	66.0	257.7	254.2	256.7
Reading	43.2	43.8	44.2	7.3	7.5	7.7	37.4	38.3	38.7
Scranton-Wilkes-Barre-Hazleton	55.7	54.1	54.3	14.8	15.0	14.9	65.8	64.4	65.3
Sharon	11.0	10.4	10.7	2.1	2.1	2.1	12.2	12.5	12.8
State College	8.7	8.6	8.6	2.2	2.1	2.1	12.5	12.8	12.6
Williamsport	12.8	13.2	13.4	2.0	1.9	2.0	12.7	12.6	12.9
York	48.3	48.6	49.0	6.9	7.3	7.3	39.5	39.2	39.7

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
New York	718.8	720.7	723.7	2,620.5	2,670.6	2,685.5	1,411.8	1,391.0	1,398.8
Albany-Schenectady-Troy	25.7	25.8	25.8	130.0	131.8	130.9	111.4	109.4	109.5
Binghamton	3.9	4.0	4.0	28.7	29.1	29.5	22.1	22.5	22.7
Buffalo-Niagara Falls	27.9	28.4	28.6	159.3	157.4	159.6	89.3	87.0	88.6
Dutchess County	4.3	4.2	4.3	33.6	33.8	33.7	23.2	23.1	23.2
Elmira	1.4	1.4	1.4	10.7	11.0	10.9	7.5	7.5	7.7
Glens Falls	2.2	2.5	2.5	14.4	13.5	14.8	10.0	10.0	10.0
Nassau-Suffolk	78.9	78.1	78.5	353.5	357.2	362.6	184.7	185.8	188.9
New York PMSA	501.4	506.2	507.5	1,404.7	1,443.4	1,447.0	620.7	610.5	610.4
New York City	469.5	474.0	475.2	1,231.4	1,269.2	1,271.4	537.0	528.7	528.3
Newburgh	5.3	5.2	5.3	30.8	30.9	31.1	27.3	27.2	27.4
Rochester	23.3	23.2	23.4	154.3	153.7	155.6	80.8	80.0	80.5
Rockland County	4.9	5.0	5.0	30.5	30.5	30.3	19.9	19.6	19.7
Syracuse	18.2	17.9	17.9	95.6	97.7	95.4	60.6	61.0	61.1
Utica-Rome	7.8	7.7	7.8	36.6	37.6	37.6	28.6	28.2	28.3
Westchester County	25.8	26.0	26.2	136.6	137.7	139.2	59.5	58.1	58.1
North Carolina	152.0	159.3	160.1	816.6	847.5	857.5	571.4	593.8	592.2
Asheville	3.1	3.2	3.2	26.6	32.0	32.1	15.4	15.2	15.3
Charlotte-Gastonia-Rock Hill	47.4	49.4	49.6	177.2	181.4	181.0	86.1	90.7	90.9
Greensboro-Winston-Salem-High Point	30.5	32.3	32.2	144.3	148.8	149.1	66.4	69.3	68.5
Raleigh-Durham-Chapel Hill	27.1	27.9	27.8	171.3	175.9	176.2	116.6	123.6	124.1
North Dakota	14.3	14.9	15.1	84.8	87.3	87.9	72.2	71.3	72.2
Bismarck	2.3	2.4	2.4	15.0	15.6	15.6	10.2	10.1	10.4
Fargo-Moorhead	5.6	6.0	6.1	27.5	28.4	28.6	14.5	14.4	13.5
Grand Forks	1.5	1.5	1.5	13.3	13.3	12.8	12.0	12.7	12.1
Ohio	276.6	279.4	280.6	1,425.3	1,434.5	1,452.0	772.1	765.1	774.0
Akron	12.7	12.6	12.7	87.8	87.1	86.9	49.3	49.0	49.9
Canton-Massillon	5.8	5.8	5.9	47.9	50.0	50.0	19.6	19.7	20.0
Cincinnati	52.1	52.2	52.5	233.6	232.9	236.2	103.5	103.2	103.2
Cleveland-Lorain-Elyria	71.5	73.3	73.4	327.6	333.0	335.7	144.9	143.5	145.7
Columbus	67.2	68.2	68.4	221.5	225.2	228.7	135.8	135.5	136.0
Dayton-Springfield	17.8	17.5	17.7	131.3	136.3	135.4	74.3	71.5	72.8
Hamilton-Middletown	4.4	4.3	4.3	25.6	25.2	25.6	20.5	21.2	21.1
Lima	2.1	2.1	2.1	19.9	20.0	20.4	10.4	10.4	10.4
Mansfield	2.9	2.7	2.7	18.8	19.7	19.8	10.6	10.2	10.5
Steubenville-Weirton	1.4	1.4	1.4	13.4	13.2	13.4	6.8	6.3	6.3
Toledo	10.7	11.0	11.0	86.1	86.5	87.5	48.3	48.0	48.5
Youngstown-Warren	9.3	9.3	9.3	62.2	61.3	61.7	31.9	31.1	32.0
Oklahoma	87.2	86.6	89.4	363.6	379.2	362.7	278.0	276.5	278.9
Enid	1.0	1.0	1.0	6.6	6.7	6.6	4.3	4.2	4.3
Lawton	1.8	1.8	1.8	8.6	8.5	8.8	11.9	12.0	12.2
Oklahoma City	27.8	28.2	28.5	143.4	148.1	149.1	104.4	104.1	104.2
Tulsa	19.9	20.2	20.4	107.4	113.9	114.9	42.5	43.1	43.4
Oregon	90.1	93.6	94.1	382.3	400.1	399.9	254.4	254.7	258.9
Eugene-Springfield	7.0	7.1	7.0	36.6	38.3	36.8	26.2	26.0	26.4
Medford-Ashland	3.0	3.0	3.1	17.2	18.0	18.2	10.8	10.5	10.7
Portland-Vancouver	62.8	66.1	66.8	238.3	249.9	250.3	116.5	116.5	116.5
Salem	6.4	6.5	6.6	30.2	32.1	32.1	36.1	37.4	37.4
Pennsylvania	307.3	310.4	312.6	1,656.9	1,709.0	1,718.9	737.4	741.0	739.3
Allentown Bethlehem-Easton	13.7	13.3	13.3	80.9	82.6	83.5	31.1	30.8	31.2
Altoona	2.0	1.9	2.0	15.0	15.3	15.7	6.1	6.0	7.8
Erie	5.5	5.5	5.5	34.6	38.0	35.9	15.4	15.7	15.6
Harrisburg-Lebanon-Carlisle	25.0	24.8	24.8	91.3	92.1	93.9	72.4	73.1	73.0
Johnstown	4.5	4.6	4.6	26.3	26.3	26.5	14.1	13.9	13.9
Lancaster	9.0	9.1	9.1	51.2	53.3	52.9	19.0	19.0	19.0
Philadelphia PMSA	154.3	154.8	156.3	780.9	794.2	794.3	308.0	305.8	306.1
Philadelphia City	53.8	53.2	53.7	277.7	285.1	280.6	129.0	127.4	127.0
Pittsburgh	61.4	61.0	61.9	367.2	372.4	373.5	124.9	126.3	126.0
Reading	9.0	9.1	9.2	36.3	39.3	40.1	19.5	19.2	19.5
Scranton-Wilkes-Barre-Hazleton	13.6	14.1	14.0	77.3	80.3	81.2	35.6	35.3	35.1
Sharon	1.4	1.4	1.4	13.1	13.5	13.4	5.7	5.5	5.5
State College	2.0	2.2	2.2	13.7	13.9	13.9	25.0	26.5	25.8
Williamsport	2.3	2.2	2.3	13.9	14.4	14.3	7.2	7.1	7.3
York	5.1	4.9	4.9	36.8	37.3	37.1	16.9	16.4	16.5

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Rhode Island	445.5	441.8	447.4	.2	.2	.2	14.3	13.9	14.9
Providence-Fall River-Warwick	501.5	494.4	499.4	.2	.2	.2	16.0	14.5	15.5
South Carolina	1,690.5	1,700.6	1,714.0	1.8	1.8	1.8	94.2	95.9	97.1
Charleston-North Charleston	214.7	215.4	218.2	(1)	(1)	(1)	13.9	13.9	14.2
Columbia	273.2	278.7	280.1	(1)	(1)	(1)	14.1	14.7	15.0
Greenville-Spartanburg-Anderson	450.2	456.7	459.1	(1)	(1)	(1)	28.2	28.8	29.2
South Dakota	352.8	347.3	356.6	2.4	2.3	2.5	15.4	13.1	15.2
Rapid City	45.9	45.4	47.0	(1)	(1)	(1)	3.0	2.6	3.2
Sioux Falls	98.9	100.2	101.5	(1)	(1)	(1)	4.7	4.0	4.8
Tennessee	2,538.0	2,549.6	2,560.9	4.6	4.6	4.6	116.8	113.9	119.4
Chattanooga	218.9	215.0	214.5	(1)	(1)	(1)	9.3	9.6	9.6
Johnson City-Kingsport-Bristol	194.2	195.3	194.8	(1)	(1)	(1)	10.2	9.7	9.7
Knoxville	319.8	313.1	315.3	.5	.5	.5	20.8	18.6	18.8
Memphis	544.0	552.2	553.5	(1)	(1)	(1)	22.7	23.3	23.6
Nashville	608.9	612.1	614.8	(1)	(1)	(1)	29.5	29.5	29.9
Texas	8,245.8	8,414.3	8,454.3	155.0	160.5	160.7	435.8	447.0	454.5
Abilene	54.0	54.7	54.5	1.5	1.4	1.4	2.1	2.2	2.2
Amarillo	92.8	94.3	95.0	.7	.6	.8	4.4	4.6	4.7
Austin-San Marcos	541.1	548.4	545.9	1.1	1.2	1.2	27.8	26.7	28.8
Beaumont-Port Arthur	150.8	152.2	152.6	.7	.7	.7	12.2	12.8	13.0
Brazoria	71.8	73.3	73.2	1.4	1.4	1.4	8.5	7.8	7.9
Brownsville-Harlingen-San Benito	93.5	95.3	95.2	(1)	(1)	(1)	3.0	3.4	3.5
Bryan-College Station	65.5	67.8	67.6	.7	.7	.7	2.7	2.8	2.9
Corpus Christi	151.5	155.3	155.6	2.5	2.3	2.3	13.2	13.3	13.6
Dallas	1,656.3	1,716.4	1,726.4	11.7	12.2	12.2	74.3	78.6	79.8
El Paso	235.6	238.4	239.8	(1)	(1)	(1)	10.6	11.6	11.7
Ft. Worth-Arlington	679.8	695.1	698.8	4.4	4.5	4.5	33.2	34.5	34.9
Galveston-Texas City	87.2	87.3	87.6	.8	.8	.8	4.7	4.3	4.5
Houston	1,809.3	1,832.3	1,845.7	64.2	66.3	65.9	125.8	129.1	131.1
Killeen Temple	94.7	95.3	95.6	(1)	(1)	(1)	3.8	4.0	4.1
Laredo	58.2	58.7	59.1	2.9	3.5	3.5	2.3	2.1	2.1
Longview-Marshall	84.6	88.2	86.1	3.1	3.2	3.2	3.9	3.9	3.8
Lubbock	109.9	111.7	112.0	.1	.1	.1	4.1	4.1	4.2
McAllen-Edinburg-Mission	127.5	131.8	131.5	1.0	1.0	1.0	6.8	6.8	6.9
Odessa Midland	97.5	98.4	98.5	11.8	11.9	11.7	5.5	5.8	5.6
San Angelo	41.9	42.5	42.7	.8	.7	.7	1.8	1.8	1.9
San Antonio	637.5	647.8	651.5	1.8	1.9	1.9	31.8	33.2	33.5
Sherman-Denison	42.1	42.2	42.6	(1)	(1)	(1)	1.8	1.9	2.0
Texarkana	49.8	50.3	50.3	(1)	(1)	(1)	2.2	2.2	2.2
Tyler	72.8	76.0	76.2	1.4	1.5	1.5	2.7	2.7	2.7
Victoria	33.5	33.8	34.0	1.4	1.5	1.5	2.0	2.1	2.1
Waco	91.7	94.8	93.6	(1)	(1)	(1)	4.1	4.3	4.3
Wichita Falls	58.2	58.8	59.0	1.2	1.2	1.2	2.2	2.3	2.3
Utah	948.8	981.4	986.7	7.8	7.8	7.8	59.8	60.5	63.4
Provo-Orem	126.2	134.8	132.9	(1)	(1)	(1)	9.2	9.1	8.6
Salt Lake City-Ogden	640.4	660.8	666.5	3.0	3.0	3.0	38.9	40.3	42.4
Vermont	273.2	275.2	276.0	.8	.8	.7	12.8	10.8	12.1
Barre-Montpelier	30.2	29.7	29.8	(1)	(1)	(1)	1.5	1.4	1.4
Burlington	97.8	98.2	99.0	(1)	(1)	(1)	4.8	4.0	4.4
Virginia	3,129.8	3,194.3	3,212.2	10.8	10.8	11.0	175.9	180.3	183.7
Bristol	37.2	37.2	37.4	(1)	(1)	(1)	1.5	1.6	1.8
Charlottesville	76.6	80.5	79.2	(1)	(1)	(1)	4.2	4.4	4.5
Danville	44.3	45.4	45.5	(1)	(1)	(1)	2.2	2.5	2.5
Lynchburg	96.4	97.9	97.9	(1)	(1)	(1)	5.5	5.9	6.0
Norfolk-Virginia Beach-Newport News	643.7	660.1	663.0	(1)	(1)	(1)	40.0	41.7	42.1
Northern Virginia	952.6	983.3	992.6	.6	.7	.7	52.1	55.0	58.3
Richmond-Petersburg	507.9	511.1	511.7	.8	.7	.7	31.0	31.5	31.9
Roanoke	140.0	141.4	142.9	(1)	(1)	(1)	8.0	8.3	8.4
Washington	2,410.7	2,465.5	2,492.4	3.4	3.5	3.5	125.4	128.0	131.7
Seattle-Bellevue-Everett	1,217.7	1,273.2	1,283.3	.7	.7	.8	59.1	62.0	62.3
Spokane	182.7	180.1	182.5	(1)	(1)	(1)	11.1	9.2	9.8
Tacoma	220.5	230.1	231.4	.2	.2	.2	12.0	12.3	12.6

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Rhode Island	83.3	80.6	81.1	15.0	14.9	15.0	97.8	97.0	99.3
Providence-Fall River-Warwick	105.6	102.1	102.6	17.4	17.3	17.4	114.7	111.9	113.9
South Carolina	367.2	359.4	359.7	73.5	74.2	74.8	401.6	405.0	411.1
Charleston-North Charleston	20.6	20.6	20.7	11.0	11.0	11.0	55.3	55.0	55.9
Columbia	25.4	25.0	25.0	12.5	12.5	12.5	62.5	65.0	65.6
Greenville-Spartanburg-Anderson	125.4	124.2	124.0	20.0	19.9	20.1	112.2	115.4	116.4
South Dakota	47.5	48.7	49.7	18.4	15.9	16.1	88.0	86.2	88.8
Rapid City	4.1	4.4	4.4	1.9	2.1	2.0	13.8	13.7	14.0
Sioux Falls	13.4	13.5	13.6	6.4	6.4	6.5	25.5	25.5	25.6
Tennessee	523.5	517.9	516.1	143.2	141.8	142.1	592.2	597.9	602.4
Chattanooga	43.8	43.5	43.6	8.3	8.3	8.3	51.8	51.2	51.2
Johnson City-Kingsport-Bristol	53.6	53.0	52.8	7.8	7.9	7.8	43.6	43.8	43.8
Knoxville	48.2	47.8	48.2	14.3	14.0	13.9	81.9	80.9	81.7
Memphis	62.5	62.6	62.8	60.7	60.7	61.1	139.4	142.9	143.9
Nashville	98.2	95.2	95.3	31.2	31.7	31.8	145.9	147.5	148.1
Texas	1,052.1	1,063.7	1,066.6	487.6	492.1	494.5	1,982.6	2,019.5	2,033.0
Abilene	3.1	3.2	3.3	2.7	2.5	2.5	14.5	14.4	14.4
Amarillo	9.5	9.6	9.6	5.6	5.5	5.4	25.9	26.6	27.0
Austin-San Marcos	73.0	72.2	72.1	17.5	18.0	17.9	114.6	117.3	117.1
Beaumont-Port Arthur	24.3	24.4	24.5	6.3	8.0	8.0	35.3	35.4	35.6
Brazoria	16.4	16.8	16.7	2.9	3.1	3.1	13.9	14.3	14.2
Brownsville-Harlingen-San Benito	12.6	11.9	11.8	4.1	4.1	4.1	23.5	23.9	23.7
Bryan-College Station	3.5	3.7	3.7	1.3	1.3	1.3	14.0	14.4	14.4
Corpus Christi	13.6	13.5	13.6	6.5	6.3	6.4	35.1	35.6	35.7
Dallas	235.9	240.3	241.3	109.3	118.2	119.2	413.1	425.7	428.1
El Paso	44.3	43.0	43.2	12.8	12.8	12.8	56.0	57.0	57.2
Ft. Worth-Arlington	106.9	108.1	108.3	64.8	62.4	62.6	172.2	175.5	176.9
Galveston-Texas City	8.0	8.0	8.0	4.1	4.0	4.0	19.1	18.5	18.8
Houston	198.0	201.5	201.5	124.5	125.8	126.5	420.8	423.3	428.8
Killeen Temple	9.8	9.3	9.3	3.4	3.4	3.4	22.6	22.2	22.4
Laredo	1.4	1.5	1.5	8.4	9.3	9.4	15.4	16.0	16.2
Longview-Marshall	18.0	18.4	18.3	3.9	3.9	3.9	21.5	21.6	21.6
Lubbock	7.4	7.5	7.5	5.7	5.6	5.8	31.4	31.7	31.8
McAllen-Edinburg-Mission	12.8	12.7	12.6	4.7	4.7	4.7	35.7	35.9	35.9
Odessa Midland	6.8	7.0	7.0	4.1	4.0	4.1	26.7	26.0	25.9
San Angelo	5.3	5.4	5.4	2.2	2.1	2.1	10.4	10.0	10.0
San Antonio	49.6	49.9	49.8	30.2	31.3	31.6	157.8	159.1	160.4
Sherman-Denison	10.6	10.4	10.4	1.6	1.5	1.5	9.5	9.2	9.3
Texarkana	8.0	5.9	5.9	2.1	2.1	2.1	12.9	13.1	13.1
Tyler	11.4	11.3	11.3	3.4	3.6	3.6	18.7	19.2	19.1
Victoria	3.0	3.2	3.2	1.5	1.4	1.4	9.2	9.2	9.4
Waco	18.7	18.5	16.5	3.7	3.5	3.5	21.2	21.3	21.3
Wichita Falls	8.2	8.1	8.1	2.8	2.8	2.8	13.5	13.7	13.8
Utah	128.4	130.3	130.7	53.5	55.5	55.7	227.5	234.4	237.3
Provo-Orem	18.4	19.5	19.6	2.3	2.3	2.3	28.9	29.7	30.4
Salt Lake City-Ogden	81.0	81.9	82.3	41.7	42.9	43.1	155.2	160.7	162.4
Vermont	46.1	45.8	48.3	12.3	12.3	12.5	63.7	64.8	65.6
Barre-Montpelier	3.4	3.3	3.2	1.1	1.1	1.1	6.4	6.6	6.7
Burlington	17.9	17.8	16.1	4.6	4.6	4.8	21.9	21.5	21.8
Virginia	398.3	395.8	398.5	180.0	184.3	185.0	708.3	718.8	727.1
Bristol	10.1	10.1	10.1	1.3	1.2	1.1	9.9	9.7	9.9
Charlottesville	8.1	8.1	8.1	2.4	2.4	2.4	16.0	16.2	16.4
Danville	15.3	15.5	15.8	1.1	1.1	1.0	9.6	9.6	9.6
Lynchburg	26.0	25.4	25.5	3.7	3.7	3.7	21.3	21.4	21.7
Norfolk-Virginia Beach-Newport News	66.8	66.6	66.7	31.0	32.8	32.9	151.1	154.9	157.0
Northern Virginia	40.5	41.8	42.0	57.0	59.1	59.1	210.5	214.3	217.4
Richmond-Petersburg	59.4	59.6	59.6	28.2	26.5	26.7	119.9	120.0	120.8
Roanoke	19.8	19.2	19.2	8.5	8.4	8.5	37.1	38.3	38.6
Washington	339.3	359.7	363.8	122.2	124.4	125.5	586.0	591.3	600.2
Seattle-Bellevue-Everett	192.6	213.4	215.2	73.9	74.7	75.5	291.0	299.8	305.5
Spokane	22.1	21.8	22.0	7.8	8.2	8.2	46.1	44.3	45.1
Tacoma	23.2	26.5	26.8	10.0	10.3	10.4	54.8	56.2	58.8

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Rhode Island	24.9	25.8	25.8	147.3	146.4	147.3	62.7	63.0	63.8
Providence-Fall River-Warwick	28.8	28.0	28.1	155.9	155.5	156.4	64.9	64.9	65.3
South Carolina	72.5	73.5	74.2	380.0	383.8	388.6	299.7	307.0	306.7
Charleston-North Charleston	8.6	8.4	8.5	56.6	57.1	58.0	48.7	49.4	49.9
Columbia	19.7	19.7	19.8	66.2	69.7	70.3	72.8	72.1	71.9
Greenville-Spartanburg-Anderson	15.3	15.3	15.4	93.6	97.4	98.2	55.5	55.7	55.8
South Dakota	19.6	20.7	20.8	90.3	89.0	91.3	73.0	71.4	72.2
Rapid City	1.7	1.7	1.8	13.9	13.5	14.1	7.5	7.4	7.5
Sioux Falls	10.5	11.6	11.7	28.6	29.5	29.5	9.8	9.7	9.8
Tennessee	116.8	119.3	119.8	657.0	665.0	667.5	383.9	389.2	389.0
Chattanooga	14.2	14.5	14.7	53.9	53.5	53.7	35.8	34.4	33.4
Johnson City-Kingsport-Bristol	5.7	5.5	5.6	44.6	46.5	46.2	28.7	29.1	29.3
Knoxville	13.1	13.3	13.2	84.6	81.9	83.2	58.4	56.1	56.0
Memphis	28.2	29.3	29.3	151.4	152.8	152.3	79.1	80.6	80.5
Nashville	36.2	37.4	37.6	187.9	191.9	193.0	80.0	78.9	79.1
Texas	442.5	448.9	451.2	2,215.8	2,288.4	2,300.3	1,474.4	1,494.2	1,493.5
Abilene	2.0	2.2	2.2	18.2	18.8	18.5	9.9	10.0	10.0
Amarillo	4.6	4.7	4.7	25.4	25.7	26.0	16.7	17.0	17.0
Austin-San Marcos	28.9	29.3	29.4	150.2	153.5	153.3	128.0	130.2	128.1
Beaumont-Port Arthur	4.8	4.9	4.9	39.4	39.6	39.5	25.8	26.4	26.4
Brazoria	1.8	1.8	1.8	13.3	13.8	13.9	13.6	14.3	14.2
Brownsville-Harlingen-San Benito	3.7	3.7	3.7	24.6	25.9	26.0	22.0	22.4	22.4
Bryan-College Station	2.4	2.4	2.4	13.5	14.2	14.2	27.4	28.3	28.0
Corpus Christi	6.5	6.4	6.5	42.4	46.3	46.6	31.7	31.6	30.9
Dallas	129.5	131.9	132.2	489.9	515.8	518.0	192.6	195.7	195.6
El Paso	8.8	8.6	8.7	52.1	53.6	54.2	51.0	51.8	52.0
Ft. Worth-Arlington	30.4	31.8	32.0	178.2	185.4	186.5	69.7	92.9	93.1
Galveston-Texas City	5.4	5.4	5.5	17.4	17.6	17.7	27.7	28.7	28.3
Houston	95.5	96.4	96.8	531.2	538.6	544.3	249.3	251.3	252.8
Killeen Temple	3.9	4.0	4.0	24.8	25.6	25.8	26.4	26.8	26.6
Laredo	2.1	2.1	2.1	9.8	10.1	10.3	13.9	14.1	14.0
Longview-Marshall	3.0	3.1	3.1	19.6	20.2	20.3	11.8	11.9	11.9
Lubbock	5.2	5.3	5.4	31.2	32.2	32.1	24.8	25.2	25.3
McAllen-Edinburg-Mission	4.6	4.8	4.8	27.0	29.2	29.3	34.9	36.7	36.3
Odessa Midland	3.5	3.4	3.5	22.0	23.1	23.4	17.3	17.4	17.3
San Angelo	1.7	1.6	1.5	11.3	12.1	12.2	8.6	8.8	8.9
San Antonio	42.6	43.1	43.4	190.6	195.7	197.0	133.1	133.6	133.9
Sherman-Denison	2.0	2.1	2.1	11.1	11.5	11.6	5.5	5.6	5.7
Texarkana	1.7	1.7	1.7	13.1	13.6	13.6	11.8	11.7	11.7
Tyler	3.7	3.9	3.9	20.5	22.3	22.4	11.0	11.5	11.7
Victoria	1.6	1.7	1.6	8.6	8.6	8.7	6.2	6.1	6.1
Waco	5.6	5.7	5.7	25.4	28.3	27.2	15.0	15.2	15.1
Wichita Falls	2.2	2.2	2.2	15.5	15.8	15.9	12.6	12.7	12.7
Utah	50.4	51.6	51.7	249.8	268.0	266.0	171.6	173.3	174.1
Provo-Orem	3.6	3.9	3.9	46.3	51.7	48.7	17.5	18.6	18.4
Salt Lake City-Ogden	41.6	42.4	42.4	168.5	179.1	180.0	110.5	110.5	110.9
Vermont	12.1	12.3	12.4	78.3	80.7	79.4	47.5	47.9	47.0
Barre-Montpelier	2.5	2.5	2.5	7.7	7.9	7.8	7.6	6.9	7.1
Burlington	4.6	4.9	4.9	28.6	29.1	29.3	15.6	16.3	15.7
Virginia	161.7	163.9	165.4	911.9	948.1	956.6	602.9	612.3	606.9
Bristol	1.1	1.1	1.2	7.8	7.9	7.8	5.5	5.6	5.7
Charlottesville	3.9	3.9	4.0	19.0	19.6	19.8	23.0	25.9	24.0
Danville	1.4	1.4	1.4	8.6	9.2	9.3	6.1	6.1	6.1
Lynchburg	4.1	4.2	4.3	23.2	24.4	23.7	12.6	12.9	13.0
Norfolk-Virginia Beach-Newport News	29.6	30.6	31.0	167.2	194.4	194.5	138.0	139.1	138.8
Northern Virginia	52.8	52.1	52.3	360.5	381.4	385.4	178.8	178.9	179.4
Richmond-Petersburg	42.9	43.1	43.4	130.6	131.0	131.5	97.1	98.7	97.1
Roanoke	9.0	8.9	9.2	39.8	40.9	41.4	17.8	17.4	17.6
Washington	123.7	125.4	126.0	650.5	670.7	676.2	460.2	462.5	465.5
Seattle-Bellevue-Everett	74.7	76.3	76.4	347.0	364.8	365.3	176.7	181.5	182.3
Spokane	10.4	10.8	10.9	54.1	54.7	55.0	31.1	31.1	31.5
Tacoma	11.3	11.4	11.4	61.7	64.7	64.3	47.5	48.5	48.9

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Total			Mining			Construction		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
West Virginia	714.8	705.9	713.5	25.7	24.6	24.6	35.0	35.0	36.4
Charleston	126.6	128.5	128.5	1.9	1.9	2.0	6.9	6.2	6.3
Huntington-Ashland	119.9	120.1	119.6	1.3	1.6	1.6	6.1	5.8	5.7
Parkersburg-Marietta	68.8	68.4	69.6	.4	.4	.4	4.2	4.4	4.6
Wheeling	65.1	64.6	64.9	1.5	1.7	1.7	2.3	2.2	2.2
Wisconsin	2,605.3	2,621.0	2,657.4	2.7	2.5	2.8	106.0	103.4	113.3
Appleton-Oshkosh-Neenah	189.4	190.3	192.4	(1)	(1)	(1)	10.5	10.9	12.1
Eau Claire	69.1	70.8	71.7	(1)	(1)	(1)	2.9	2.8	3.0
Green Bay	130.1	131.9	132.4	(1)	(1)	(1)	6.6	6.7	7.2
Janesville-Beloit	68.0	66.7	67.6	(1)	(1)	(1)	2.7	2.5	2.7
Kenosha	49.2	48.7	49.4	(1)	(1)	(1)	2.1	2.0	2.1
La Crosse	67.9	69.0	68.9	(1)	(1)	(1)	2.6	2.5	2.8
Madison	261.6	266.9	268.9	(1)	(1)	(1)	12.0	12.3	13.4
Milwaukee-Waukesha	811.8	817.7	824.2	(1)	(1)	(1)	28.8	28.0	30.0
Racine	80.4	80.8	82.0	(1)	(1)	(1)	3.0	2.9	3.2
Sheboygan	57.9	58.6	59.8	(1)	(1)	(1)	2.3	2.3	2.5
Wausau	62.0	62.3	63.5	(1)	(1)	(1)	2.6	2.3	2.6
Wyoming	223.4	215.4	223.4	15.7	15.1	15.3	14.6	12.9	14.8
Casper	29.6	29.8	30.5	1.7	1.8	1.8	1.8	1.7	1.9
Puerto Rico	955.7	962.4	964.4	1.1	1.1	1.0	54.5	57.3	57.0
Caguas	62.2	64.2	65.4	(1)	(1)	(1)	2.5	4.2	4.3
Mayaguez	69.7	68.2	66.0	(1)	(1)	(1)	3.6	3.4	3.5
Ponce	74.5	73.5	74.1	(1)	(1)	(1)	4.7	4.5	4.5
San Juan-Bayamon	601.3	606.5	606.4	.6	.6	.5	38.7	38.6	38.5
Virgin Islands	40.8	42.6	42.3	(1)	(1)	(1)	2.2	2.2	2.2

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
West Virginia	82.4	81.5	82.3	39.3	38.4	38.8	160.2	161.4	164.4
Charleston	9.7	10.0	9.9	9.0	9.2	9.2	31.3	31.2	31.4
Huntington-Ashland	17.3	17.1	17.0	7.1	6.8	6.8	31.4	31.2	31.2
Parkersburg-Marietta	13.3	12.7	13.0	2.7	2.8	2.9	17.5	17.4	17.7
Wheeling	6.2	6.0	6.0	3.2	3.0	3.1	16.2	16.2	16.4
Wisconsin	598.3	597.1	599.9	122.4	121.5	123.4	595.7	591.3	603.0
Appleton-Oshkosh-Neenah	59.0	58.6	58.4	7.5	7.5	7.6	39.3	39.5	40.0
Eau Claire	11.1	11.6	11.6	3.6	3.5	3.5	18.9	18.9	19.1
Green Bay	27.4	27.6	27.7	9.4	9.4	9.6	30.6	31.3	31.7
Janesville-Beloit	21.1	20.7	21.2	2.5	2.5	2.5	15.8	15.1	15.3
Kenosha	11.4	11.3	11.3	1.8	1.8	1.7	12.9	12.5	12.7
La Crosse	11.4	11.4	11.5	3.1	3.0	3.1	19.5	19.9	19.8
Madison	28.7	28.2	28.3	8.8	8.8	9.0	55.9	55.9	56.5
Milwaukee-Waukesha	174.8	175.4	175.4	38.9	38.3	38.7	177.6	174.9	176.8
Racine	25.2	25.0	25.1	3.0	3.0	3.2	16.5	16.3	16.7
Sheboygan	23.6	23.6	24.0	1.8	1.7	1.7	10.8	11.0	11.2
Wausau	17.3	17.5	18.1	3.4	3.4	3.4	15.0	15.3	15.5
Wyoming	10.7	10.5	10.7	13.8	13.5	13.7	51.7	50.1	51.8
Casper	1.6	1.5	1.5	1.5	1.6	1.6	8.4	8.3	8.5
Puerto Rico	154.8	152.5	149.1	24.4	24.4	23.7	190.8	192.5	194.0
Caguas	15.9	16.4	16.3	.7	.7	.7	13.5	13.7	13.8
Mayaguez	19.9	19.0	16.0	.7	.8	.8	11.2	11.2	11.6
Ponce	11.1	11.0	10.8	2.4	2.6	2.4	12.9	12.4	12.4
San Juan-Bayamon	70.8	69.5	69.3	18.5	18.8	18.2	127.4	128.5	128.8
Virgin Islands	2.4	2.2	2.2	2.3	2.4	2.4	9.2	9.9	9.8

See footnotes at end of table.

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

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
West Virginia	27.3	27.5	27.8	192.4	195.5	197.5	152.5	142.0	141.7
Charleston	7.0	7.2	7.3	38.4	39.3	39.0	24.4	23.5	23.4
Huntington-Ashland	3.8	3.8	3.8	31.5	32.3	32.5	21.4	21.5	21.0
Parkersburg-Marietta	2.5	2.5	2.5	17.0	17.7	17.9	11.2	10.5	10.6
Wheeling	2.7	2.7	2.7	22.0	22.4	22.2	11.0	10.6	10.6
Wisconsin	137.9	140.5	141.3	653.0	670.3	678.9	389.3	394.3	394.8
Appleton-Oshkosh-Neenah	9.3	9.2	9.4	42.0	41.6	42.0	21.8	22.9	22.9
Eau Claire	2.4	2.4	2.4	18.0	19.4	19.7	12.3	12.3	12.3
Green Bay	10.0	9.6	9.4	30.5	31.8	31.4	15.7	15.6	15.4
Janesville-Beloit	1.8	1.8	1.7	15.5	15.2	15.2	6.5	9.0	8.9
Kenosha	1.8	1.5	1.5	12.0	12.2	12.5	7.5	7.5	7.7
La Crosse	2.7	2.8	2.9	19.1	19.1	19.3	9.5	10.2	9.5
Madison	20.0	19.7	19.6	65.0	67.5	68.0	71.2	74.4	74.1
Milwaukee-Waukesha	56.4	57.6	58.0	246.3	254.3	255.2	89.0	89.2	90.1
Racine	2.3	2.4	2.4	20.8	21.6	21.9	9.5	9.5	9.5
Sheboygan	2.3	2.4	2.4	11.0	11.5	11.8	6.3	6.4	6.4
Wausau	4.7	4.8	4.8	11.5	11.8	11.9	7.4	7.2	7.3
Wyoming	7.9	7.8	7.9	47.9	45.3	48.0	61.1	60.2	61.2
Casper	1.1	1.2	1.2	7.9	8.4	8.5	5.6	5.3	5.5
Puerto Rico	44.5	44.7	45.2	179.4	183.3	182.7	306.2	306.6	311.7
Caguas	1.7	1.7	1.7	10.8	11.1	10.7	17.1	16.4	17.9
Mayaguez	2.0	2.1	2.1	11.2	10.9	11.0	21.1	20.8	21.0
Ponce	2.3	2.2	2.2	14.8	15.1	15.3	26.3	25.7	28.5
San Juan-Bayamon	34.7	35.1	35.5	125.2	126.6	126.0	185.4	189.0	189.6
Virgin Islands	1.8	1.9	1.9	8.9	10.4	10.2	14.0	13.6	13.6

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

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1996 benchmarks.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Total private		34.3	34.9	34.4	34.5	34.9	-	-	-	-	-
Goods-producing		41.0	41.4	41.1	41.4	41.5	-	-	-	-	-
Mining		45.2	46.0	45.1	45.9	45.7	-	-	-	-	-
Metal mining	10	43.2	43.9	44.1	44.0	-	-	-	-	-	-
Iron ores	101	43.9	44.2	45.5	45.4	-	-	-	-	-	-
Copper ores	102	44.6	45.4	46.2	45.3	-	-	-	-	-	-
Coal mining	12	45.6	46.7	45.1	45.4	-	-	-	-	-	-
Bituminous coal and lignite mining	122	45.7	46.9	45.2	45.5	-	-	-	-	-	-
Oil and gas extraction	13	44.7	45.3	44.6	45.3	-	-	-	-	-	-
Crude petroleum and natural gas	131	40.9	42.6	41.9	41.6	-	-	-	-	-	-
Oil and gas field services	138	46.9	46.8	45.9	47.2	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	47.1	48.2	47.1	48.6	-	-	-	-	-	-
Crushed and broken stone	142	48.1	49.5	48.9	50.6	-	-	-	-	-	-
Construction		38.9	39.6	38.7	39.7	39.5	-	-	-	-	-
General building contractors	15	38.2	38.6	38.4	38.6	-	-	-	-	-	-
Residential building construction	152	36.8	37.3	37.1	37.3	-	-	-	-	-	-
Operative builders	153	41.5	41.0	40.4	40.0	-	-	-	-	-	-
Nonresidential building construction	154	39.5	39.8	39.6	39.9	-	-	-	-	-	-
Heavy construction, except building	16	42.2	43.7	42.1	44.3	-	-	-	-	-	-
Highway and street construction	161	43.2	45.6	42.3	46.0	-	-	-	-	-	-
Heavy construction, except highway	162	41.7	42.8	42.1	43.4	-	-	-	-	-	-
Special trade contractors	17	38.2	38.9	38.0	38.9	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	39.8	40.1	39.1	39.5	-	-	-	-	-	-
Painting and paper hanging	172	36.2	37.1	36.5	37.3	-	-	-	-	-	-
Electrical work	173	39.8	40.1	39.8	40.0	-	-	-	-	-	-
Masonry, stonework, and plastering	174	35.6	36.4	35.6	36.5	-	-	-	-	-	-
Carpentry and floor work	175	35.9	35.6	35.7	35.4	-	-	-	-	-	-
Roofing, siding, and sheet metal work	176	33.8	35.8	34.0	35.4	-	-	-	-	-	-
Manufacturing		41.6	41.9	41.8	41.9	42.0	4.3	4.5	4.6	4.7	4.7
Durable goods		42.4	42.7	42.7	42.8	42.9	4.7	4.9	5.0	5.0	5.0
Lumber and wood products	24	41.2	41.6	41.2	41.4	41.6	4.3	4.5	4.4	4.5	-
Logging	241	41.7	42.8	41.1	40.8	-	5.5	6.0	5.7	5.9	-
Sawmills and planing mills	242	42.0	42.7	42.4	42.7	-	4.9	5.4	5.2	5.4	-
Sawmills and planing mills, general	2421	42.4	43.2	42.7	43.0	-	5.3	5.8	5.7	5.9	-
Hardwood dimension and flooring mills	2426	40.8	40.7	41.2	41.3	-	3.3	3.6	3.3	3.6	-
Millwork, plywood, and structural members	243	41.3	41.7	41.7	41.8	-	4.3	4.5	4.5	4.6	-
Millwork	2431	41.3	41.5	40.8	41.3	-	3.7	3.7	3.5	3.9	-
Wood kitchen cabinets	2434	39.3	40.3	41.6	41.0	-	3.6	4.2	5.2	4.8	-
Hardwood veneer and plywood	2435	42.2	42.5	42.9	42.1	-	5.1	4.9	5.2	4.8	-
Softwood veneer and plywood	2436	43.7	44.1	45.4	45.6	-	6.3	6.2	5.7	6.1	-
Wood containers	244	39.1	39.1	39.0	39.0	-	3.4	3.7	3.3	3.4	-
Wood buildings and mobile homes	245	40.4	39.8	38.4	39.4	-	3.4	3.1	2.2	2.8	-
Mobile homes	2451	40.6	39.8	38.7	39.8	-	3.5	2.8	2.0	2.6	-
Miscellaneous wood products	249	40.7	41.2	41.2	41.0	-	3.3	3.5	3.7	3.8	-
Furniture and fixtures	25	39.1	39.5	39.5	39.7	39.8	2.8	3.0	3.0	3.1	-
Household furniture	251	37.9	38.1	38.5	38.4	-	2.2	2.2	2.5	2.5	-
Wood household furniture	2511	38.3	38.2	39.0	38.8	-	2.1	2.2	2.6	2.7	-
Upholstered household furniture	2512	36.4	36.7	37.2	36.5	-	1.5	1.5	1.6	1.4	-
Metal household furniture	2514	41.9	42.1	41.2	42.1	-	4.7	4.2	4.8	5.3	-
Mattresses and bedsprings	2515	37.3	38.2	38.0	39.0	-	2.1	2.5	2.7	3.1	-
Office furniture	252	40.0	41.2	40.3	41.3	-	3.0	3.4	3.3	3.6	-
Public building and related furniture	253	42.0	42.9	40.1	40.0	-	4.0	6.0	3.6	3.7	-
Partitions and fixtures	254	41.8	42.1	42.5	43.1	-	3.9	4.3	4.2	4.7	-
Miscellaneous furniture and fixtures	259	37.8	38.9	39.6	39.4	-	3.2	3.0	3.2	2.9	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Total private		\$11.72	\$11.75	\$12.17	\$12.16	\$12.16	\$402.00	\$410.08	\$418.65	\$419.52	\$424.38
Goods-producing		13.37	13.45	13.77	13.83	13.86	548.17	556.83	565.95	572.56	575.19
Mining		15.44	15.58	16.05	16.00	16.19	697.89	716.68	723.86	734.40	739.88
Metal mining	10	17.30	17.24	17.86	17.88	-	747.36	756.84	787.63	786.72	-
Iron ores	101	18.60	18.42	18.48	18.92	-	816.54	814.16	840.84	858.97	-
Copper ores	102	15.54	15.41	16.55	16.44	-	693.08	699.61	764.61	744.73	-
Coal mining	12	18.61	18.66	18.87	18.81	-	848.62	871.42	851.04	853.97	-
Bituminous coal and lignite mining	122	18.90	18.95	19.20	19.12	-	863.73	888.76	867.84	869.96	-
Oil and gas extraction	13	14.64	14.85	15.52	15.44	-	654.41	672.71	692.19	699.43	-
Crude petroleum and natural gas	131	19.19	19.40	21.01	21.07	-	784.87	826.44	880.32	876.51	-
Oil and gas field services	138	12.31	12.44	12.96	12.91	-	577.34	582.19	594.86	609.35	-
Nonmetallic minerals, except fuels	14	13.69	13.81	14.05	14.21	-	644.80	665.64	661.76	690.61	-
Crushed and broken stone	142	13.14	13.25	13.45	13.69	-	632.03	655.88	657.71	692.71	-
Construction		15.29	15.34	15.75	15.83	15.86	594.78	607.46	609.53	628.45	626.47
General building contractors	15	14.60	14.48	14.99	14.98	-	557.72	558.93	575.62	578.23	-
Residential building construction	152	13.43	13.22	13.93	13.94	-	494.22	493.11	516.80	519.96	-
Operative builders	153	13.91	13.76	14.95	15.05	-	577.27	564.16	603.98	602.00	-
Nonresidential building construction	154	15.70	15.68	15.98	15.94	-	620.15	624.06	632.81	636.01	-
Heavy construction, except building	16	14.91	15.20	15.24	15.48	-	629.20	664.24	641.60	685.76	-
Highway and street construction	161	15.03	15.48	15.06	15.56	-	649.30	705.89	637.04	715.76	-
Heavy construction, except highway	162	14.86	15.06	15.31	15.44	-	619.66	644.57	644.55	670.10	-
Special trade contractors	17	15.63	15.67	16.13	16.20	-	597.07	609.56	612.94	630.18	-
Plumbing, heating, and air conditioning	171	16.00	16.04	16.57	16.62	-	636.80	643.20	647.89	656.49	-
Painting and paper hanging	172	14.25	14.20	14.34	14.37	-	515.85	526.82	523.41	536.00	-
Electrical work	173	16.98	17.07	17.61	17.57	-	675.80	684.51	700.88	702.80	-
Masonry, stonework, and plastering	174	15.68	15.63	15.97	16.14	-	558.21	568.93	568.53	589.11	-
Carpentry and floor work	175	15.33	15.37	15.68	15.69	-	550.35	547.17	559.78	555.43	-
Roofing, siding, and sheet metal work	176	13.20	13.39	13.82	13.94	-	446.16	479.36	469.88	493.48	-
Manufacturing		12.71	12.75	13.09	13.09	13.11	528.74	534.23	547.16	548.47	550.62
Durable goods		13.27	13.35	13.64	13.65	13.68	562.65	569.19	582.43	584.22	586.87
Lumber and wood products	24	10.34	10.45	10.64	10.71	10.75	426.01	434.72	438.37	443.39	447.20
Logging	241	11.64	11.90	11.93	12.22	-	485.39	509.32	490.32	498.58	-
Sawmills and planing mills	242	10.49	10.61	10.78	10.78	-	440.58	453.05	457.07	460.31	-
Sawmills and planing mills, general	2421	10.85	10.98	11.20	11.16	-	460.04	474.34	478.24	479.88	-
Hardwood dimension and flooring mills	2426	9.05	9.14	9.11	9.21	-	369.24	372.00	375.33	380.37	-
Millwork, plywood, and structural members	243	10.44	10.48	10.81	10.83	-	431.17	437.02	450.78	452.69	-
Millwork	2431	10.68	10.66	10.90	10.88	-	441.08	442.39	444.72	449.34	-
Wood kitchen cabinets	2434	9.93	10.00	10.54	10.56	-	390.25	403.00	438.46	432.96	-
Hardwood veneer and plywood	2435	9.13	9.13	9.46	9.47	-	385.29	388.03	405.83	398.69	-
Softwood veneer and plywood	2436	12.46	12.64	12.87	12.87	-	544.50	557.42	584.30	586.87	-
Wood containers	244	7.96	7.98	8.24	8.31	-	311.24	312.02	321.36	324.09	-
Wood buildings and mobile homes	245	10.51	10.65	10.68	10.83	-	424.60	423.87	410.11	426.70	-
Mobile homes	2451	10.66	10.83	10.83	11.05	-	432.80	431.03	419.12	439.79	-
Miscellaneous wood products	249	9.83	9.89	10.12	10.23	-	400.08	407.47	416.94	419.43	-
Furniture and fixtures	25	10.08	10.11	10.42	10.47	10.53	394.13	399.35	411.59	415.66	419.09
Household furniture	251	9.53	9.53	9.84	9.88	-	361.19	363.09	378.84	379.39	-
Wood household furniture	2511	9.13	9.13	9.45	9.47	-	349.68	348.77	368.55	367.44	-
Upholstered household furniture	2512	10.23	10.22	10.48	10.52	-	372.37	375.07	389.86	383.98	-
Metal household furniture	2514	9.25	9.26	9.58	9.49	-	387.58	389.85	394.70	399.53	-
Mattresses and bedsprings	2515	10.04	10.09	10.45	10.61	-	374.49	385.44	397.10	413.79	-
Office furniture	252	10.91	10.82	11.43	11.57	-	436.40	445.78	460.63	477.84	-
Public building and related furniture	253	10.67	10.94	11.34	11.39	-	448.14	469.33	454.73	455.60	-
Partitions and fixtures	254	11.08	11.09	11.20	11.22	-	463.14	466.89	476.00	483.58	-
Miscellaneous furniture and fixtures	259	10.08	10.08	10.37	10.31	-	381.02	392.11	410.65	406.21	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Durable goods—Continued											
Stone, clay, and glass products	32	43.6	44.1	42.9	43.7	43.5	5.9	6.3	5.7	6.3	-
Flat glass	321	46.6	46.6	45.7	46.4	-	8.4	8.7	8.4	8.6	-
Glass and glassware, pressed or blown	322	43.2	42.6	42.3	42.1	-	4.5	4.5	4.7	4.7	-
Glass containers	3221	44.5	44.2	43.8	43.9	-	5.5	5.5	6.2	6.3	-
Pressed and blown glass, nec	3229	42.2	41.4	41.3	40.9	-	3.7	3.8	3.7	3.7	-
Products of purchased glass	323	41.8	42.1	41.3	40.7	-	3.9	4.3	4.1	4.5	-
Cement, hydraulic	324	44.3	44.9	45.1	44.7	-	4.9	5.0	5.8	5.0	-
Structural clay products	325	41.4	41.4	42.7	42.7	-	4.3	4.3	4.8	5.1	-
Pottery and related products	326	41.2	40.9	40.6	40.6	-	4.2	4.2	4.1	4.2	-
Concrete, gypsum, and plaster products	327	45.3	46.6	44.0	45.9	-	7.9	8.7	6.9	8.2	-
Concrete block and brick	3271	47.3	48.7	45.9	46.9	-	8.7	9.3	6.3	9.2	-
Concrete products, nec	3272	43.6	44.4	42.9	43.6	-	6.2	6.7	5.5	6.1	-
Ready-mixed concrete	3273	45.8	47.2	43.7	46.8	-	8.8	9.7	7.3	9.2	-
Misc. nonmetallic mineral products	329	42.4	43.0	42.3	42.6	-	4.8	5.2	5.2	5.4	-
Abrasive products	3291	41.7	42.5	42.9	42.3	-	3.8	3.8	3.9	3.6	-
Asbestos products	3292	44.6	47.1	47.0	47.0	-	5.0	6.1	7.9	7.9	-
Primary metal industries	33	44.1	44.3	44.7	44.7	44.6	6.1	6.3	6.5	6.5	-
Blast furnaces and basic steel products	331	44.3	44.5	44.9	44.7	44.7	6.1	6.4	6.3	6.3	-
Blast furnaces and steel mills	3312	44.6	44.7	45.2	45.1	-	6.4	6.6	6.5	6.6	-
Steel pipe and tubes	3317	43.1	43.6	44.8	44.3	-	5.5	6.1	6.4	6.1	-
Iron and steel foundries	332	44.5	45.0	46.0	45.8	-	6.2	6.5	6.9	6.7	-
Gray and ductile iron foundries	3321	45.1	45.9	46.7	46.3	-	6.9	7.2	7.8	7.5	-
Malleable iron foundries	3322	47.4	48.9	49.0	50.5	-	7.3	7.8	9.5	10.0	-
Steel foundries, nec	3325	42.9	43.4	43.5	43.6	-	4.8	5.4	4.7	4.7	-
Primary nonferrous metals	333	43.6	42.7	44.0	43.9	-	5.6	5.5	5.9	5.9	-
Primary aluminum	3334	43.7	42.7	43.8	43.5	-	5.4	5.4	5.7	5.7	-
Nonferrous rolling and drawing	335	44.7	44.9	44.5	44.9	-	7.0	7.2	7.3	7.4	-
Copper rolling and drawing	3351	44.6	44.9	43.8	44.0	-	7.4	7.5	7.5	6.9	-
Aluminum sheet, plate, and foil	3353	47.0	46.6	47.1	46.9	-	7.7	8.0	8.1	8.3	-
Nonferrous wire drawing and insulating	3357	43.7	43.8	43.9	44.5	-	6.4	6.6	6.9	7.3	-
Nonferrous foundries (castings)	336	42.7	43.0	43.7	43.7	-	4.8	4.9	5.3	5.0	-
Aluminum foundries	3365	43.0	43.3	43.1	43.4	-	5.2	5.8	5.1	5.3	-
Fabricated metal products	34	42.3	42.8	42.4	42.5	42.7	4.6	4.9	4.9	4.9	-
Metal cans and shipping containers	341	41.6	42.9	42.6	43.1	-	5.6	6.5	6.2	6.2	-
Metal cans	3411	42.2	43.5	42.6	43.2	-	5.8	6.5	6.1	6.1	-
Cutlery, handtools, and hardware	342	42.6	42.8	42.3	42.0	-	3.9	4.3	4.3	4.1	-
Hand and edge tools, and blades and handsaws	3423.5	42.6	42.6	41.9	41.8	-	3.5	3.8	4.0	3.9	-
Hardware, nec	3429	42.4	42.7	42.7	41.9	-	4.1	4.6	4.5	4.1	-
Plumbing and heating, except electric	343	40.7	41.7	42.1	41.9	-	3.2	4.2	4.2	3.8	-
Plumbing fixture fittings and trim	3432	40.7	42.0	42.2	41.5	-	2.7	3.9	3.8	3.5	-
Heating equipment, except electric	3433	40.3	40.4	39.8	40.3	-	2.8	3.4	2.7	2.6	-
Fabricated structural metal products	344	42.1	42.7	41.6	41.8	-	4.5	5.0	4.5	4.5	-
Fabricated structural metal	3441	42.6	43.1	42.7	42.5	-	5.1	5.6	5.8	5.6	-
Metal doors, sash, and trim	3442	41.9	42.5	40.4	41.1	-	3.9	4.4	3.3	3.6	-
Fabricated plate work (boiler shops)	3443	42.7	43.6	42.5	42.6	-	4.9	5.6	5.2	5.2	-
Sheet metal work	3444	41.4	41.9	41.2	41.2	-	4.0	4.3	4.0	3.7	-
Architectural metal work	3446	41.9	41.6	40.8	42.0	-	4.0	4.2	3.7	4.2	-
Screw machine products, bolts, etc	345	43.0	43.3	43.8	43.9	-	4.9	5.2	5.9	5.9	-
Screw machine products	3451	42.2	42.2	42.9	42.7	-	4.4	4.6	5.2	5.1	-
Bolts, nuts, rivets, and washers	3452	44.0	44.8	44.9	45.4	-	5.6	5.9	6.7	6.8	-
Metal forgings and stampings	346	44.0	44.2	44.1	44.3	-	8.0	8.0	6.1	6.1	-
Iron and steel forgings	3462	42.9	43.2	45.4	44.7	-	4.8	5.0	7.0	8.6	-
Automotive stampings	3465	46.0	45.7	45.3	45.6	-	7.5	7.2	6.8	6.9	-
Metal stampings, nec	3469	41.5	42.1	42.0	42.2	-	4.0	4.3	4.7	4.7	-
Metal services, nec	347	41.1	41.7	41.7	41.7	-	4.3	4.7	4.8	4.8	-
Plating and polishing	3471	40.6	41.2	41.0	41.1	-	3.9	4.4	4.5	4.6	-
Metal coating and allied services	3479	41.8	42.5	42.7	42.6	-	4.9	5.2	5.2	5.1	-
Ordnance and accessories, nec	348	41.2	41.7	39.4	39.8	-	3.0	3.2	2.5	2.8	-
Ammunition, except for small arms, nec	3483	41.8	42.5	40.7	40.3	-	2.9	3.2	2.6	2.5	-
Misc. fabricated metal products	349	41.8	42.0	42.3	42.5	-	4.0	4.1	4.5	4.6	-
Valves and pipe fittings, nec	3494	41.7	41.8	42.0	42.0	-	3.8	3.9	4.1	4.1	-
Misc. fabricated wire products	3496	40.7	41.1	40.4	41.1	-	3.4	3.8	3.5	3.7	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Durable goods—Continued											
Stone, clay, and glass products	32	\$12.74	\$12.82	\$13.06	\$13.12	\$13.12	\$555.46	\$565.36	\$560.27	\$573.34	\$570.72
Flat glass	321	17.93	18.47	18.39	18.50	-	835.54	860.70	840.42	858.40	-
Glass and glassware, pressed or blown	322	14.31	14.41	14.94	14.90	-	618.19	613.87	631.96	627.29	-
Glass containers	3221	15.12	15.11	15.91	15.63	-	672.84	667.86	696.86	686.16	-
Pressed and blown glass, nec	3229	13.69	13.87	14.27	14.38	-	577.72	574.22	589.35	588.14	-
Products of purchased glass	323	11.27	11.18	11.90	11.92	-	471.09	470.68	491.47	485.14	-
Cement, hydraulic	324	16.80	16.58	17.33	17.13	-	744.24	744.44	781.58	765.71	-
Structural clay products	325	11.48	11.54	11.51	11.56	-	475.27	477.76	491.46	493.61	-
Pottery and related products	326	10.84	10.95	11.40	11.45	-	446.61	447.86	462.84	464.87	-
Concrete, gypsum, and plaster products	327	12.26	12.39	12.39	12.57	-	555.38	577.37	545.16	576.96	-
Concrete block and brick	3271	11.72	11.74	12.04	12.28	-	554.36	571.74	552.64	575.93	-
Concrete products, nec	3272	10.93	10.97	10.98	11.10	-	476.55	487.07	471.04	483.96	-
Ready-mixed concrete	3273	12.97	13.16	13.16	13.34	-	594.03	621.15	575.09	624.31	-
Misc. nonmetallic mineral products	329	13.33	13.35	13.51	13.59	-	565.19	574.05	571.47	578.93	-
Abrasive products	3291	11.75	11.66	11.56	11.73	-	489.98	495.55	495.92	496.18	-
Asbestos products	3292	15.69	15.86	15.59	15.79	-	699.77	747.01	732.73	742.13	-
Primary metal industries	33	14.82	14.91	15.15	15.10	15.16	653.56	660.51	677.21	674.97	676.14
Blast furnaces and basic steel products	331	17.52	17.64	17.88	17.84	17.94	776.14	784.98	802.81	797.45	801.92
Blast furnaces and steel mills	3312	18.99	19.13	19.45	19.36	-	846.95	855.11	879.14	873.14	-
Steel pipe and tubes	3317	13.68	13.90	14.01	14.14	-	589.61	606.04	627.65	626.40	-
Iron and steel foundries	332	13.52	13.59	13.75	13.67	-	601.64	611.55	632.50	626.09	-
Gray and ductile iron foundries	3321	14.33	14.41	14.57	14.47	-	646.28	661.42	680.42	669.96	-
Malleable iron foundries	3322	16.24	15.87	17.38	16.97	-	769.78	776.04	851.62	856.99	-
Steel foundries, nec	3325	12.32	12.38	12.37	12.43	-	528.53	537.29	538.10	541.95	-
Primary nonferrous metals	333	15.81	15.97	16.56	16.50	-	689.32	681.92	728.64	724.35	-
Primary aluminum	3334	15.56	15.74	16.59	16.55	-	679.97	672.10	726.64	719.93	-
Nonferrous rolling and drawing	335	13.94	14.03	14.42	14.36	-	623.12	629.95	641.69	644.76	-
Copper rolling and drawing	3351	14.13	14.22	14.39	14.34	-	630.20	638.48	630.28	630.96	-
Aluminum sheet, plate, and foil	3353	15.75	15.57	16.46	16.47	-	740.25	725.56	775.27	772.44	-
Nonferrous wire drawing and insulating	3357	14.17	14.42	14.44	14.43	-	619.23	631.60	633.92	642.14	-
Nonferrous foundries (castings)	336	11.84	11.90	12.13	12.07	-	505.57	511.70	530.08	527.46	-
Aluminum foundries	3365	11.19	11.31	11.42	11.48	-	481.17	489.72	492.20	498.23	-
Fabricated metal products	34	12.46	12.53	12.80	12.80	12.79	527.06	536.28	542.72	544.00	546.13
Metal cans and shipping containers	341	15.99	16.13	16.32	16.39	-	668.38	691.98	695.23	706.41	-
Metal cans	3411	16.98	17.06	17.39	17.46	-	716.56	742.11	740.81	754.27	-
Cutlery, handtools, and hardware	342	12.28	12.39	12.45	12.54	-	523.13	530.29	526.64	526.68	-
Hand and edge tools, and blades and handsaws	3423.5	11.50	11.58	11.85	11.92	-	489.90	493.31	496.52	498.26	-
Hardware, nec	3429	12.30	12.42	12.57	12.67	-	521.52	530.33	536.74	530.87	-
Plumbing and heating, except electric	343	11.10	11.35	11.60	11.51	-	451.77	473.30	488.36	482.27	-
Plumbing fixture fittings and trim	3432	10.59	10.80	11.25	11.19	-	431.01	453.60	474.75	464.39	-
Heating equipment, except electric	3433	11.13	11.36	11.56	11.54	-	448.54	458.94	460.09	465.06	-
Fabricated structural metal products	344	11.59	11.67	12.05	12.03	-	487.94	498.31	501.28	502.85	-
Fabricated structural metal	3441	11.71	11.73	12.06	12.03	-	498.85	505.56	514.96	511.28	-
Metal doors, sash, and trim	3442	9.87	9.86	10.26	10.28	-	413.55	419.05	414.50	422.51	-
Fabricated plate work (boiler shops)	3443	12.86	13.11	13.45	13.42	-	549.12	571.60	571.63	571.69	-
Sheet metal work	3444	11.79	11.87	12.28	12.27	-	488.11	497.35	505.94	505.52	-
Architectural metal work	3446	10.93	11.00	11.44	11.48	-	457.97	457.60	466.75	482.16	-
Screw machine products, bolts, etc	345	12.31	12.47	12.86	12.81	-	529.33	539.95	563.27	562.36	-
Screw machine products	3451	11.74	11.86	12.12	12.07	-	495.43	500.49	519.95	515.39	-
Bolts, nuts, rivets, and washers	3452	12.97	13.15	13.69	13.63	-	570.68	586.49	614.68	618.80	-
Metal forgings and stampings	346	14.86	14.93	15.20	15.22	-	653.84	659.91	670.32	674.25	-
Iron and steel forgings	3462	13.83	13.85	14.31	14.28	-	593.31	598.32	649.67	638.32	-
Automotive stampings	3465	17.13	17.29	17.61	17.67	-	787.98	790.15	797.73	805.75	-
Metal stampings, nec	3469	11.73	11.78	12.18	12.18	-	486.80	495.94	511.56	514.00	-
Metal services, nec	347	10.49	10.44	10.78	10.79	-	431.14	435.35	449.53	449.94	-
Plating and polishing	3471	10.38	10.34	10.61	10.63	-	421.43	426.01	435.01	436.89	-
Metal coating and allied services	3479	10.67	10.60	11.05	11.04	-	448.01	450.50	471.84	470.30	-
Ordnance and accessories, nec	348	14.29	14.22	14.77	14.93	-	588.75	592.97	581.94	594.21	-
Ammunition, except for small arms, nec	3483	15.48	15.46	15.64	15.72	-	647.06	657.05	636.55	633.52	-
Misc. fabricated metal products	349	11.83	11.87	12.13	12.16	-	494.49	498.54	513.10	516.80	-
Valves and pipe fittings, nec	3494	12.02	12.15	12.32	12.41	-	501.23	507.87	517.44	521.22	-
Misc. fabricated wire products	3496	10.40	10.53	10.77	10.78	-	423.28	432.78	435.11	443.06	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Durable goods—Continued											
Industrial machinery and equipment	35	43.0	43.3	43.6	43.4	43.5	4.7	4.8	5.5	5.3	-
Engines and turbines	351	42.0	42.0	42.6	43.5	-	3.8	4.3	5.0	5.2	-
Turbines and turbine generator sets	3511	41.0	41.2	42.0	41.9	-	3.5	4.2	4.3	4.1	-
Internal combustion engines, nec	3519	42.3	42.3	42.8	44.0	-	3.9	4.3	5.2	5.6	-
Farm and garden machinery	352	41.9	42.3	44.2	43.3	-	3.7	3.5	6.1	5.2	-
Farm machinery and equipment	3523	42.4	43.0	44.1	43.5	-	4.0	4.0	6.2	5.6	-
Construction and related machinery	353	43.9	44.2	44.6	44.2	-	5.0	5.1	5.9	5.9	-
Construction machinery	3531	44.0	43.8	44.4	44.1	-	5.0	4.9	5.4	5.3	-
Mining machinery	3532	41.1	42.0	43.3	42.6	-	3.3	3.9	5.1	4.4	-
Oil and gas field machinery	3533	48.1	49.4	49.2	48.6	-	7.5	8.0	9.5	9.9	-
Conveyors and conveying equipment	3535	42.6	42.8	42.9	42.7	-	4.7	4.8	5.7	5.4	-
Industrial trucks and tractors	3537	41.4	41.4	41.6	41.4	-	3.5	3.2	3.7	3.9	-
Metalworking machinery	354	43.4	43.4	44.3	44.2	-	5.4	5.6	6.4	6.2	-
Machine tools, metal cutting types	3541	44.4	44.3	44.6	44.2	-	5.6	5.4	6.2	5.8	-
Machine tools, metal forming types	3542	43.5	43.1	45.2	44.3	-	5.6	5.3	6.0	5.9	-
Special dies, tools, jigs, and fixtures	3544	43.5	43.2	44.4	44.4	-	5.8	6.0	7.0	6.9	-
Machine tool accessories	3545	43.1	43.5	43.6	43.5	-	4.7	4.7	5.1	5.0	-
Power driven handtools	3546	40.4	41.5	42.2	41.9	-	3.1	4.1	4.1	3.9	-
Special industry machinery	355	42.6	42.7	43.2	43.2	-	4.6	4.6	5.0	5.0	-
Textile machinery	3552	41.2	41.4	40.8	41.3	-	3.4	3.2	3.2	3.3	-
Printing trades machinery	3555	42.3	42.8	41.7	41.2	-	4.2	4.3	4.0	4.0	-
Food products machinery	3556	42.0	42.8	42.1	41.3	-	4.5	5.0	4.7	4.1	-
General industrial machinery	356	42.5	43.1	43.3	43.1	-	4.3	4.8	5.3	5.0	-
Pumps and pumping equipment	3561	42.0	42.5	42.7	42.2	-	4.2	4.9	5.2	4.6	-
Ball and roller bearings	3562	43.7	44.2	44.6	44.2	-	5.6	6.3	6.7	6.4	-
Air and gas compressors	3563	43.1	43.4	44.0	43.4	-	4.8	4.8	5.8	5.3	-
Blowers and fans	3564	42.0	44.3	43.0	42.9	-	2.9	4.1	3.9	3.7	-
Speed changers, drives, and gears	3566	43.3	43.4	44.9	44.1	-	5.0	5.2	6.6	6.1	-
Power transmission equipment, nec	3568	42.3	41.5	42.6	41.9	-	4.6	4.4	5.3	4.8	-
Computer and office equipment	357	42.0	42.7	42.3	42.3	-	2.2	3.0	3.4	3.5	-
Electronic computers	3571	42.7	43.0	41.3	41.9	-	.6	2.0	2.3	2.6	-
Computer terminals, calculators, and office machines, nec	3575,8,9	40.7	42.0	43.0	42.4	-	3.8	4.6	4.6	4.7	-
Refrigeration and service machinery	358	44.6	44.6	43.2	43.5	-	5.7	5.7	4.9	5.0	-
Refrigeration and heating equipment	3585	45.7	45.4	43.6	43.8	-	6.5	6.3	5.3	5.2	-
Misc. industrial and commercial machinery	359	42.7	42.9	43.4	43.3	-	5.1	5.0	5.8	5.7	-
Carburetors, pistons, rings, valves	3592	42.3	43.3	42.4	41.6	-	5.4	5.8	5.1	4.6	-
Scales, balances, and industrial machinery, nec	3596,9	42.7	42.8	43.3	43.2	-	5.1	5.0	5.8	5.8	-
Electronic and other electrical equipment	36	41.1	41.6	41.8	41.9	41.9	3.6	3.9	4.0	4.0	-
Electric distribution equipment	361	40.9	41.5	41.2	41.4	-	3.3	4.0	3.8	4.1	-
Transformers, except electronic	3612	41.0	41.6	41.5	41.8	-	3.1	3.5	3.2	3.6	-
Switchgear and switchboard apparatus	3613	40.7	41.4	41.0	41.1	-	3.6	4.5	4.3	4.5	-
Electrical industrial apparatus	362	41.6	42.3	41.7	41.9	-	3.5	4.2	3.8	3.8	-
Motors and generators	3621	41.8	42.9	41.8	42.1	-	3.5	4.4	3.8	3.9	-
Relays and industrial controls	3625	40.7	40.9	40.8	41.2	-	3.3	3.7	3.6	3.6	-
Household appliances	363	41.3	41.3	40.0	40.2	-	2.7	2.6	2.7	2.6	-
Household refrigerators and freezers	3632	40.9	40.7	38.4	39.8	-	1.7	1.1	2.3	2.6	-
Household laundry equipment	3633	39.2	38.3	40.8	39.7	-	1.9	1.9	1.7	1.5	-
Electric housewares and fans	3634	41.0	41.7	40.9	40.6	-	2.4	2.9	2.5	2.4	-
Electric lighting and wiring equipment	364	41.3	41.7	42.1	42.3	-	3.5	3.9	4.3	4.2	-
Electric lamps	3641	43.3	42.6	43.7	43.1	-	3.7	3.3	5.6	4.9	-
Current-carrying wiring devices	3643	40.5	40.8	42.0	42.1	-	3.0	3.3	4.6	4.5	-
Noncurrent-carrying wiring devices	3644	41.8	42.2	42.1	42.2	-	2.9	4.0	3.4	3.3	-
Residential lighting fixtures	3645	38.1	39.7	39.2	38.8	-	2.4	2.8	2.7	1.9	-
Household audio and video equipment	365	40.0	40.1	41.4	41.9	-	3.8	3.7	3.6	4.1	-
Household audio and video equipment	3651	40.4	41.5	40.7	41.0	-	3.4	3.5	2.6	3.3	-
Communications equipment	366	42.1	42.6	42.3	41.9	-	3.2	3.5	3.6	3.6	-
Telephone and telegraph apparatus	3661	42.7	43.7	44.6	43.6	-	3.1	3.9	4.5	4.1	-
Electronic components and accessories	367	40.5	41.0	42.1	42.1	-	3.7	4.0	4.4	4.5	-
Electron tubes	3671	39.7	38.8	39.8	40.5	-	3.7	3.9	4.1	4.4	-
Semiconductors and related devices	3674	39.6	39.9	42.8	42.7	-	4.3	4.7	4.5	4.6	-
Electronic components, nec	3679	41.4	41.6	42.2	42.2	-	3.4	3.8	3.8	4.1	-
Misc. electrical equipment and supplies	369	42.0	42.8	42.1	41.8	-	4.8	5.1	4.2	4.2	-
Storage batteries	3691	41.6	42.6	41.4	42.0	-	4.0	4.2	3.5	4.0	-
Engine electrical equipment	3694	42.9	43.7	42.8	42.1	-	6.0	6.3	4.7	4.7	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a
Durable goods—Continued											
Industrial machinery and equipment	35	\$13.45	\$13.51	\$13.94	\$13.92	\$13.97	\$578.35	\$584.98	\$607.78	\$604.13	\$607.70
Engines and turbines	351	16.20	16.40	16.87	16.95	-	680.40	688.80	718.66	737.33	-
Turbines and turbine generator sets	3511	17.90	18.10	19.38	19.21	-	733.90	745.72	813.96	804.90	-
Internal combustion engines, nec	3519	15.64	15.82	16.02	16.21	-	661.57	669.19	685.66	713.24	-
Farm and garden machinery	352	13.16	13.39	13.54	13.52	-	551.40	566.40	598.47	585.42	-
Farm machinery and equipment	3523	14.19	14.38	15.00	14.79	-	601.66	618.34	661.50	643.37	-
Construction and related machinery	353	13.02	13.00	13.46	13.47	-	571.58	574.60	600.32	595.37	-
Construction machinery	3531	13.53	13.51	13.79	13.81	-	595.32	591.74	612.28	609.02	-
Mining machinery	3532	13.90	13.77	14.40	14.29	-	571.29	578.34	623.52	608.75	-
Oil and gas field machinery	3533	12.58	12.61	13.23	13.32	-	605.10	622.93	650.92	647.35	-
Conveyors and conveying equipment	3535	12.76	12.85	13.57	13.48	-	543.58	549.98	582.15	575.60	-
Industrial trucks and tractors	3537	11.99	11.97	12.27	12.27	-	496.39	495.56	510.43	507.98	-
Metalworking machinery	354	14.18	14.27	14.81	14.83	-	615.41	619.32	656.08	655.49	-
Machine tools, metal cutting types	3541	14.25	14.21	14.53	14.46	-	632.70	629.50	648.04	639.13	-
Machine tools, metal forming types	3542	14.73	14.64	15.15	15.33	-	640.76	630.98	684.78	679.12	-
Special dies, tools, jigs, and fixtures	3544	14.72	14.87	15.52	15.57	-	640.32	642.38	689.09	691.31	-
Machine tool accessories	3545	12.52	12.54	13.10	13.06	-	539.61	545.49	571.16	568.11	-
Power driven handtools	3546	11.97	12.05	12.24	12.04	-	483.59	500.08	516.53	504.48	-
Special industry machinery	355	13.92	14.04	14.51	14.51	-	592.99	599.51	626.83	626.83	-
Textile machinery	3552	12.05	12.10	12.61	12.58	-	496.46	500.94	514.49	519.55	-
Printing trades machinery	3555	15.41	15.59	15.53	15.41	-	651.84	667.25	647.60	634.89	-
Food products machinery	3556	13.63	13.72	14.15	14.13	-	572.46	587.22	595.72	583.57	-
General industrial machinery	356	13.19	13.28	13.72	13.70	-	560.58	572.37	594.08	590.47	-
Pumps and pumping equipment	3561	14.07	14.12	14.53	14.54	-	590.94	600.10	620.43	613.59	-
Ball and roller bearings	3562	14.10	14.32	15.03	14.83	-	616.17	632.94	670.34	655.49	-
Air and gas compressors	3563	13.86	13.78	14.04	14.21	-	597.37	598.05	617.76	616.71	-
Blowers and fans	3564	10.82	10.99	11.41	11.40	-	454.44	486.86	490.63	489.06	-
Speed changers, drives, and gears	3566	14.37	14.39	14.57	14.51	-	622.22	624.53	654.19	639.89	-
Power transmission equipment, nec	3568	12.83	12.95	13.23	13.32	-	542.71	537.43	563.60	558.11	-
Computer and office equipment	357	13.76	13.99	14.11	13.94	-	577.92	597.37	596.85	589.66	-
Electronic computers	3571	15.38	15.64	15.51	15.09	-	656.73	672.52	640.56	632.27	-
Computer terminals, calculators, and office machines, nec	3575,8,9	13.62	13.57	13.45	13.32	-	554.33	569.94	578.35	564.77	-
Refrigeration and service machinery	358	12.28	12.30	12.59	12.54	-	547.69	548.58	543.89	545.49	-
Refrigeration and heating equipment	3585	12.51	12.54	12.90	12.82	-	571.71	569.32	562.44	561.52	-
Misc. industrial and commercial machinery	359	13.06	13.01	13.55	13.51	-	557.66	558.13	588.07	584.98	-
Carburetors, pistons, rings, valves	3592	14.02	13.93	14.21	14.07	-	593.05	603.17	602.50	585.31	-
Scales, balances, and industrial machinery, nec	3596,9	12.82	12.75	13.35	13.30	-	547.41	545.70	578.06	574.56	-
Electronic and other electrical equipment	36	12.09	12.19	12.55	12.58	12.66	496.90	507.10	524.59	527.10	530.45
Electric distribution equipment	361	11.77	11.95	12.51	12.57	-	481.39	495.93	515.41	520.40	-
Transformers, except electronic	3612	10.96	11.17	11.55	11.63	-	449.36	464.67	479.33	486.13	-
Switchgear and switchboard apparatus	3613	12.63	12.78	13.46	13.49	-	514.04	529.09	551.86	554.44	-
Electrical industrial apparatus	362	11.43	11.46	12.10	12.05	-	475.49	484.76	504.57	504.90	-
Motors and generators	3621	10.81	10.81	11.29	11.27	-	451.86	463.75	471.92	474.47	-
Relays and industrial controls	3625	12.67	12.63	13.62	13.49	-	515.67	516.57	555.70	555.79	-
Household appliances	363	11.90	11.90	12.15	12.12	-	491.47	491.47	486.00	487.22	-
Household refrigerators and freezers	3632	13.65	13.68	13.26	13.26	-	558.29	556.78	509.18	527.75	-
Household laundry equipment	3633	13.69	13.80	14.21	14.27	-	536.65	528.54	579.77	566.52	-
Electric housewares and fans	3634	9.53	9.47	10.07	10.00	-	390.73	394.90	411.86	406.00	-
Electric lighting and wiring equipment	364	12.24	12.36	12.66	12.71	-	505.51	515.41	532.99	537.63	-
Electric lamps	3641	13.98	13.96	15.51	15.44	-	605.33	594.70	677.79	665.46	-
Current-carrying wiring devices	3643	12.17	12.24	12.80	12.91	-	492.89	499.39	537.60	543.51	-
Noncurrent-carrying wiring devices	3644	11.19	11.45	11.25	11.23	-	467.74	483.19	473.63	473.91	-
Residential lighting fixtures	3645	8.82	8.90	9.18	9.12	-	336.04	353.33	359.86	353.86	-
Household audio and video equipment	365	10.56	10.61	10.82	10.88	-	422.40	425.46	447.95	455.87	-
Household audio and video equipment	3651	10.90	10.74	10.57	10.67	-	440.36	445.71	430.20	437.47	-
Communications equipment	366	12.57	12.87	13.80	13.77	-	529.20	548.26	583.74	576.96	-
Telephone and telegraph apparatus	3661	13.88	14.37	15.14	15.02	-	592.68	627.97	675.24	654.87	-
Electronic components and accessories	367	11.97	11.99	12.27	12.32	-	484.79	491.59	516.57	518.67	-
Electron tubes	3671	13.53	13.71	14.10	14.24	-	537.14	531.95	561.18	576.72	-
Semiconductors and related devices	3674	15.56	15.51	15.71	15.70	-	616.18	618.85	672.39	670.39	-
Electronic components, nec	3679	9.97	10.00	10.35	10.35	-	412.76	416.00	436.77	436.77	-
Misc. electrical equipment and supplies	369	13.43	13.65	13.46	13.61	-	564.06	584.22	566.67	568.90	-
Storage batteries	3691	14.43	14.52	14.53	14.59	-	600.29	618.55	601.54	612.78	-
Engine electrical equipment	3694	14.08	14.33	13.76	13.99	-	604.03	626.22	588.93	588.98	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Durable goods—Continued											
Transportation equipment	37	44.5	44.5	44.7	44.6	45.0	6.3	6.2	6.5	6.4	-
Motor vehicles and equipment	371	45.9	45.8	45.4	45.4	46.1	7.4	7.1	7.0	6.9	-
Motor vehicles and car bodies	3711	46.5	45.8	45.3	46.8	-	7.8	6.9	7.0	7.5	-
Truck and bus bodies	3713	44.5	45.3	45.3	45.8	-	6.3	6.6	6.2	7.0	-
Motor vehicle parts and accessories	3714	46.2	46.3	45.9	45.0	-	7.6	7.6	7.4	6.9	-
Truck trailers	3715	40.6	41.1	41.8	42.2	-	3.2	3.0	4.1	3.9	-
Aircraft and parts	372	42.4	43.1	44.4	44.2	-	5.0	5.3	7.1	6.8	-
Aircraft	3721	40.9	41.7	43.8	43.9	-	3.9	4.4	7.2	6.9	-
Aircraft engines and engine parts	3724	44.1	44.4	44.9	44.5	-	5.7	6.1	6.5	6.3	-
Aircraft parts and equipment, nec	3728	43.4	44.1	44.9	44.4	-	5.9	6.0	7.5	7.0	-
Ship and boat building and repairing	373	41.7	42.0	42.4	42.5	-	4.2	4.2	4.4	4.3	-
Ship building and repairing	3731	42.5	43.3	43.8	44.2	-	4.9	4.9	5.3	5.0	-
Boat building and repairing	3732	40.5	39.9	40.3	39.9	-	3.1	3.0	3.1	3.2	-
Railroad equipment	374	44.5	44.5	43.4	43.6	-	5.0	5.0	4.2	4.1	-
Guided missiles, space vehicles, and parts	376	42.3	41.2	42.8	42.6	-	3.7	3.2	3.8	3.7	-
Guided missiles and space vehicles	3761	42.9	41.0	43.1	42.9	-	4.2	3.4	3.8	3.9	-
Misc. transportation equipment	379	38.7	38.9	40.7	40.3	-	2.6	2.6	4.0	3.6	-
Travel trailers and campers	3792	37.2	37.7	38.8	38.3	-	1.6	2.0	2.5	2.3	-
Instruments and related products	38	41.5	42.0	41.7	41.7	42.1	3.5	3.7	3.8	3.8	-
Search and navigation equipment	381	42.0	42.7	43.8	43.3	-	3.2	3.6	3.8	3.7	-
Measuring and controlling devices	382	41.7	42.4	41.6	41.6	-	3.1	3.3	3.3	3.4	-
Environmental controls	3822	41.5	41.5	40.0	40.0	-	3.2	3.3	3.0	3.0	-
Process control instruments	3823	42.0	42.8	41.5	41.4	-	3.4	3.7	3.5	3.3	-
Instruments to measure electricity	3825	41.3	42.9	41.5	41.7	-	2.3	2.7	3.0	3.3	-
Medical instruments and supplies	384	41.0	41.5	41.1	41.4	-	2.9	3.2	3.3	3.5	-
Surgical and medical instruments	3841	41.3	41.3	41.0	42.1	-	3.3	3.2	3.6	4.1	-
Surgical appliances and supplies	3842	40.0	41.1	40.8	40.4	-	2.7	3.4	3.1	2.8	-
Ophthalmic goods	385	40.0	39.7	39.1	39.6	-	2.7	2.4	1.8	2.0	-
Photographic equipment and supplies	386	43.1	43.0	43.7	43.7	-	8.3	8.1	9.0	8.1	-
Watches, clocks, watchcases, and parts	387	40.2	40.6	40.2	37.7	-	1.9	2.2	2.6	1.5	-
Miscellaneous manufacturing industries	39	39.5	39.7	40.2	40.0	40.2	2.8	2.9	3.1	3.0	-
Jewelry, silverware, and plated ware	391	38.0	38.8	39.3	38.7	-	2.0	2.3	2.3	1.9	-
Jewelry, precious metal	3911	37.0	37.5	38.7	38.0	-	1.7	2.0	2.2	1.7	-
Musical instruments	393	40.6	41.7	41.2	41.0	-	2.7	2.5	2.7	2.6	-
Toys and sporting goods	394	40.0	39.5	40.0	39.6	-	2.9	2.6	3.0	2.9	-
Dolls, games, toys, and children's vehicles	3942,4	38.2	37.8	38.8	38.7	-	1.8	1.8	2.0	2.2	-
Sporting and athletic goods, nec	3949	41.0	40.4	40.6	40.1	-	3.4	3.1	3.5	3.2	-
Pens, pencils, office, and art supplies	395	39.0	40.0	40.6	40.7	-	2.4	2.8	3.2	3.6	-
Costume jewelry and notions	396	38.2	39.4	40.3	40.3	-	1.9	2.5	3.0	2.8	-
Costume jewelry	3961	37.6	38.5	39.9	40.1	-	1.7	2.0	2.4	2.2	-
Miscellaneous manufactures	399	39.8	39.8	40.5	40.4	-	3.2	3.3	3.5	3.5	-
Signs and advertising specialties	3993	40.2	40.4	41.1	41.0	-	3.3	3.6	3.8	4.2	-
Nondurable goods		40.4	40.8	40.5	40.6	40.7	3.8	4.1	4.1	4.1	4.2
Food and kindred products	20	40.7	40.9	40.4	41.1	41.0	4.4	4.7	4.4	4.7	-
Meat products	201	39.7	40.1	39.6	40.3	-	3.8	4.1	3.6	4.2	-
Meat packing plants	2011	41.7	41.8	40.7	41.3	-	4.7	5.1	3.9	4.3	-
Sausages and other prepared meats	2013	41.4	41.3	40.8	41.8	-	5.2	4.9	4.4	5.3	-
Poultry slaughtering and processing	2015	37.9	38.7	38.6	39.2	-	2.7	3.2	3.1	3.8	-
Dairy products	202	42.2	42.2	42.1	42.4	-	5.3	5.3	5.0	5.0	-
Cheese, natural and processed	2022	40.6	40.7	41.3	41.6	-	4.6	4.4	4.1	4.3	-
Fluid milk	2026	42.0	42.1	42.2	42.1	-	4.7	4.8	4.9	4.8	-
Preserved fruits and vegetables	203	40.0	40.2	39.6	40.5	-	3.6	4.4	4.1	4.5	-
Canned specialties	2032	42.2	41.3	40.7	41.0	-	3.9	3.4	5.4	4.8	-
Canned fruits and vegetables	2033	39.9	39.9	39.1	39.8	-	3.3	4.5	3.4	4.0	-
Frozen fruits and vegetables	2037	39.1	37.5	39.6	40.3	-	3.0	3.0	4.1	4.3	-
Grain mill products	204	44.5	44.7	44.8	45.4	-	6.6	7.0	6.6	6.6	-
Flour and other grain mill products	2041	44.4	44.5	44.0	44.6	-	6.0	6.3	6.4	6.2	-
Prepared feeds, nec	2048	43.6	44.2	44.7	44.4	-	6.4	6.5	6.3	6.2	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^b	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^b
Durable goods—Continued											
Transportation equipment	37	\$17.19	\$17.23	\$17.48	\$17.47	\$17.46	\$764.96	\$766.74	\$781.36	\$779.16	\$785.70
Motor vehicles and equipment	371	17.84	17.84	18.01	17.99	17.95	818.86	817.07	817.65	816.75	827.50
Motor vehicles and car bodies	3711	21.13	21.09	21.58	21.47	-	982.55	965.92	977.57	1,004.80	-
Truck and bus bodies	3713	14.57	14.88	15.04	15.10	-	648.37	674.06	681.31	691.58	-
Motor vehicle parts and accessories	3714	16.58	16.62	16.76	16.72	-	766.00	769.51	769.28	752.40	-
Truck trailers	3715	11.02	10.94	11.14	11.12	-	447.41	449.63	465.65	469.26	-
Aircraft and parts	372	18.41	18.45	18.73	18.70	-	780.58	795.20	831.61	826.54	-
Aircraft	3721	(^c)	(^c)	(^c)	(^c)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$17.93	\$18.04	\$18.26	\$18.32	-	\$790.71	\$800.98	\$819.87	\$815.24	-
Aircraft parts and equipment, nec	3728	16.38	16.39	16.61	16.66	-	710.89	722.80	745.79	739.70	-
Ship and boat building and repairing	373	12.67	12.91	13.29	13.19	-	528.34	542.22	563.50	560.58	-
Ship building and repairing	3731	14.08	14.37	14.81	14.62	-	598.40	622.22	648.68	646.20	-
Boat building and repairing	3732	10.35	10.42	10.80	10.85	-	419.18	415.76	435.24	432.92	-
Railroad equipment	374	16.08	16.31	16.65	16.62	-	715.56	725.80	722.61	724.63	-
Guided missiles, space vehicles, and parts	376	18.30	18.25	19.40	19.30	-	774.09	751.90	830.32	822.18	-
Guided missiles and space vehicles	3761	(^c)	(^c)	(^c)	(^c)	-	-	-	-	-	-
Misc. transportation equipment	379	\$11.38	\$11.36	\$11.50	\$11.64	-	\$440.41	\$441.90	\$468.05	\$469.09	-
Travel trailers and campers	3792	11.34	11.35	11.23	11.51	-	421.85	427.90	435.72	440.83	-
Instruments and related products	38	13.04	13.09	13.47	13.54	13.56	541.16	549.78	561.70	564.62	570.88
Search and navigation equipment	381	16.76	16.76	16.73	16.99	-	703.92	715.65	732.77	735.67	-
Measuring and controlling devices	382	13.00	13.05	13.46	13.51	-	542.10	553.32	559.94	562.02	-
Environmental controls	3822	11.78	11.86	11.69	11.69	-	488.87	492.19	467.60	467.60	-
Process control instruments	3823	12.60	12.61	13.16	13.26	-	529.20	539.71	546.14	548.96	-
Instruments to measure electricity	3825	14.71	14.80	15.98	15.45	-	607.52	634.92	638.27	644.27	-
Medical instruments and supplies	384	11.90	11.92	12.40	12.49	-	487.90	494.68	509.64	517.09	-
Surgical and medical instruments	3841	11.47	11.49	11.66	11.79	-	473.71	474.54	478.06	496.36	-
Surgical appliances and supplies	3842	10.91	10.92	11.53	11.56	-	436.40	448.81	470.42	467.02	-
Ophthalmic goods	385	9.72	9.82	10.21	10.19	-	388.80	389.85	399.21	403.52	-
Photographic equipment and supplies	386	15.55	15.80	15.99	15.93	-	670.21	679.40	698.76	696.14	-
Watches, clocks, watchcases, and parts	387	9.52	9.47	9.90	9.89	-	382.70	384.48	397.98	372.85	-
Miscellaneous manufacturing industries	39	10.34	10.33	10.53	10.51	10.50	408.43	410.10	423.31	420.40	422.10
Jewelry, silverware, and plated ware	391	10.68	10.75	10.85	10.91	-	405.84	417.10	426.41	422.22	-
Jewelry, precious metal	3911	10.77	10.86	10.99	10.98	-	398.49	407.25	425.31	417.24	-
Musical instruments	393	10.48	10.41	10.65	10.75	-	425.49	434.10	438.78	440.75	-
Toys and sporting goods	394	9.82	9.80	10.04	9.92	-	392.80	387.10	401.60	392.83	-
Dolls, games, toys, and children's vehicles	3942,4	9.36	9.40	9.64	9.57	-	357.55	355.32	374.03	370.36	-
Sporting and athletic goods, nec	3949	10.03	10.00	10.23	10.09	-	411.23	404.00	415.34	404.61	-
Pens, pencils, office, and art supplies	395	11.01	11.00	11.06	11.16	-	429.39	440.00	449.04	454.21	-
Costume jewelry and notions	396	9.07	9.09	9.38	9.33	-	346.47	358.15	378.01	376.00	-
Costume jewelry	3961	7.94	7.91	8.24	8.30	-	298.54	304.54	328.78	332.83	-
Miscellaneous manufactures	399	10.67	10.64	10.83	10.82	-	424.67	423.47	438.62	437.13	-
Signs and advertising specialties	3993	10.92	10.99	11.25	11.27	-	438.98	444.00	462.38	462.07	-
Nondurable goods		11.89	11.92	12.27	12.27	12.27	480.36	486.34	496.94	498.16	499.39
Food and kindred products	20	11.18	11.22	11.45	11.46	11.42	455.03	458.90	462.58	471.01	468.22
Meat products	201	9.05	9.09	9.28	9.30	-	359.29	364.51	367.49	374.79	-
Meat packing plants	2011	9.68	9.75	10.00	9.97	-	403.66	407.55	407.00	411.76	-
Sausages and other prepared meats	2013	10.43	10.42	10.66	10.71	-	431.80	430.35	434.93	447.68	-
Poultry slaughtering and processing	2015	8.13	8.19	8.34	8.39	-	308.13	316.95	321.92	328.89	-
Dairy products	202	12.69	12.77	13.12	13.12	-	535.52	538.89	552.35	556.29	-
Cheese, natural and processed	2022	11.52	11.54	12.06	12.08	-	467.71	469.68	498.08	502.53	-
Fluid milk	2026	13.37	13.49	13.76	13.79	-	561.54	567.93	580.67	580.56	-
Preserved fruits and vegetables	203	10.72	10.61	11.03	10.94	-	428.80	426.52	436.79	443.07	-
Canned specialties	2032	14.08	14.04	14.35	14.17	-	594.18	579.85	584.05	580.97	-
Canned fruits and vegetables	2033	11.46	11.35	12.12	11.97	-	457.25	452.87	473.89	476.41	-
Frozen fruits and vegetables	2037	9.97	9.97	10.27	10.18	-	389.83	373.88	406.69	410.25	-
Grain mill products	204	13.76	13.98	14.19	14.29	-	612.32	624.91	635.71	648.77	-
Flour and other grain mill products	2041	11.78	11.87	12.16	12.37	-	523.03	528.22	535.04	551.70	-
Prepared feeds, nec	2048	11.06	10.92	11.25	11.25	-	482.22	482.66	502.88	499.50	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a
Nondurable goods—Continued											
Food and kindred products—Continued											
Bakery products	205	40.1	40.6	39.4	40.4	-	4.8	4.8	4.4	4.6	-
Bread, cake, and related products	2051	40.6	40.6	39.6	40.6	-	5.4	5.4	4.6	4.8	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	39.3	40.6	39.1	40.1	-	3.8	3.9	4.1	4.2	-
Sugar and confectionery products	206	39.5	39.6	39.5	39.5	-	3.0	3.3	3.3	3.0	-
Raw cane sugar	2061	40.8	38.6	41.5	40.7	-	3.8	3.5	4.8	4.0	-
Cane sugar refining	2062	46.8	46.7	46.8	45.3	-	10.7	11.5	9.1	8.8	-
Beet sugar	2063	39.5	40.4	42.7	41.5	-	1.6	1.6	4.4	2.2	-
Candy and other confectionery products	2064	38.6	38.5	38.0	38.2	-	2.7	2.9	2.4	2.3	-
Fats and oils	207	44.8	44.9	41.5	42.5	-	6.7	6.6	5.6	5.9	-
Beverages	208	43.4	43.8	43.0	44.7	-	6.0	6.4	5.4	6.1	-
Malt beverages	2082	47.3	48.4	45.4	48.0	-	7.6	8.5	7.6	8.5	-
Bottled and canned soft drinks	2086	42.8	42.6	43.4	45.0	-	5.9	5.9	5.8	6.5	-
Misc. food and kindred products	209	40.0	39.5	39.4	40.0	-	4.4	4.3	4.8	5.1	-
Tobacco products	21	39.9	41.0	38.4	38.8	39.5	5.1	5.5	2.5	2.7	-
Cigarettes	211	40.6	42.1	38.3	38.9	-	6.3	6.8	2.7	3.0	-
Textile mill products	22	40.6	41.4	41.3	41.1	41.5	4.1	4.6	4.5	4.4	-
Broadwoven fabric mills, cotton	221	42.0	42.9	42.2	42.4	-	5.8	6.4	5.6	5.5	-
Broadwoven fabric mills, synthetics	222	40.7	41.3	41.2	41.3	-	4.3	4.6	4.8	4.7	-
Broadwoven fabric mills, wool	223	40.9	39.6	41.4	42.9	-	4.6	4.3	5.3	6.4	-
Narrow fabric mills	224	39.4	40.4	40.6	40.7	-	2.4	3.2	3.3	3.3	-
Knitting mills	225	38.9	39.9	40.2	39.7	-	3.0	3.5	3.5	3.4	-
Women's hosiery, except socks	2251	37.7	39.4	37.8	36.5	-	2.2	3.0	2.6	2.0	-
Hosiery, nec	2252	36.7	37.7	37.9	37.9	-	2.6	2.7	3.1	2.8	-
Knit outerwear mills	2253	40.5	41.0	41.0	40.0	-	3.1	3.4	2.9	3.1	-
Knit underwear mills	2254	35.3	37.4	38.9	38.9	-	1.7	2.5	2.5	2.5	-
Weft knit fabric mills	2257	41.1	41.5	43.4	42.6	-	4.8	5.3	5.9	5.9	-
Textile finishing, except wool	226	42.6	43.3	43.2	42.8	-	5.0	5.6	5.9	5.6	-
Finishing plants, cotton	2261	43.8	43.9	43.3	43.5	-	5.2	5.4	6.0	6.1	-
Finishing plants, synthetics	2262	40.5	42.3	42.7	41.2	-	4.3	5.6	5.6	4.3	-
Carpets and rugs	227	41.3	42.2	40.5	39.0	-	4.5	5.2	4.3	4.1	-
Yarn and thread mills	228	40.8	41.7	41.6	41.8	-	4.0	4.5	4.5	4.6	-
Yarn spinning mills	2281	41.7	42.1	42.3	42.5	-	4.6	4.8	4.8	5.0	-
Throwing and winding mills	2282	37.9	39.4	37.8	37.9	-	2.8	3.7	3.2	2.9	-
Miscellaneous textile goods	229	41.3	41.7	42.8	42.5	-	3.8	4.3	4.8	4.8	-
Apparel and other textile products	23	37.3	37.9	37.2	37.2	37.7	2.0	2.2	2.0	2.0	-
Men's and boys' suits and coats	231	36.8	37.4	36.7	37.3	-	1.1	1.2	1.1	1.2	-
Men's and boys' furnishings	232	36.9	37.5	36.6	36.8	-	1.3	1.6	1.4	1.4	-
Men's and boys' shirts	2321	35.5	36.7	35.6	36.5	-	1.3	1.6	1.3	1.5	-
Men's and boys' trousers and slacks	2325	36.7	37.4	35.8	36.1	-	1.1	1.6	1.2	1.1	-
Men's and boys' work clothing	2326	37.3	37.4	37.0	37.3	-	1.1	1.2	1.7	1.6	-
Women's and misses' outerwear	233	35.7	36.3	35.8	35.3	-	1.7	1.7	1.5	1.5	-
Women's and misses' blouses and shirts	2331	34.9	36.5	35.5	34.9	-	.9	1.3	1.4	1.3	-
Women's, juniors', and misses' dresses	2335	37.4	37.0	37.2	37.0	-	2.3	1.9	2.4	2.1	-
Women's and misses' suits and coats	2337	35.4	35.7	34.3	35.2	-	1.5	1.7	1.3	1.5	-
Women's and misses' outerwear, nec	2339	35.5	36.1	35.8	35.0	-	1.7	1.8	1.3	1.3	-
Women's and children's undergarments	234	36.9	37.3	36.7	37.2	-	1.5	1.7	2.2	1.6	-
Women's and children's underwear	2341	36.6	37.0	35.5	36.3	-	1.3	1.4	1.6	1.3	-
Brassieres, girdles, and allied garments	2342	37.8	38.3	40.0	39.7	-	2.3	2.6	3.8	2.4	-
Girls' and children's outerwear	236	36.7	38.7	36.8	36.9	-	2.1	3.2	2.5	2.7	-
Girls' and children's dresses and blouses	2361	35.1	37.7	36.9	36.6	-	1.9	3.0	3.0	3.2	-
Misc. apparel and accessories	238	37.7	38.1	37.8	37.9	-	1.5	1.6	1.8	1.7	-
Misc. fabricated textile products	239	39.6	40.3	39.3	39.5	-	3.4	3.8	3.4	3.5	-
Curtains and draperies	2391	38.2	38.4	37.8	36.3	-	1.8	1.7	1.5	1.3	-
House furnishings, nec	2392	38.6	39.4	38.2	38.9	-	3.0	3.5	3.1	3.6	-
Automotive and apparel trimmings	2396	41.1	41.8	40.3	40.4	-	4.0	4.6	4.0	4.2	-
Paper and allied products	26	43.0	43.4	43.4	43.4	43.3	5.0	5.3	5.5	5.5	-
Paper mills	262	45.7	45.4	45.3	45.3	-	6.4	6.1	6.7	6.7	-
Paperboard mills	263	43.6	45.0	43.7	45.2	-	6.7	7.0	7.0	8.0	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Bakery products	205	\$12.19	\$12.17	\$12.80	\$12.45	-	\$488.82	\$494.10	\$496.44	\$502.98	-
Bread, cake, and related products	2051	12.43	12.36	12.59	12.50	-	504.66	501.82	498.58	507.50	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	11.73	11.81	12.62	12.35	-	460.99	479.49	493.44	495.24	-
Sugar and confectionery products	206	12.33	12.63	12.83	12.88	-	487.04	500.15	506.79	508.76	-
Raw cane sugar	2061	11.60	11.91	12.11	12.09	-	473.28	459.73	502.57	492.06	-
Cane sugar refining	2062	17.81	18.20	17.56	17.46	-	833.51	849.94	821.81	790.94	-
Beet sugar	2063	13.19	13.58	14.12	13.88	-	521.01	548.63	602.92	576.02	-
Candy and other confectionery products	2064	11.31	11.70	11.83	12.00	-	436.57	450.45	449.54	458.40	-
Fats and oils	207	12.11	12.14	12.58	12.74	-	542.53	545.09	522.07	541.45	-
Beverages	208	15.64	15.70	15.95	16.06	-	678.78	687.66	685.85	717.88	-
Malt beverages	2082	20.97	21.28	21.88	22.41	-	991.88	1,029.95	993.35	1,075.68	-
Bottled and canned soft drinks	2086	12.94	12.93	13.39	13.30	-	553.83	550.82	581.13	598.50	-
Misc. food and kindred products	209	10.24	10.18	10.08	10.15	-	409.60	402.11	397.15	406.00	-
Tobacco products	21	21.04	21.37	20.32	20.77	\$20.83	839.50	876.17	780.29	805.88	\$822.79
Cigarettes	211	24.72	25.14	24.36	24.54	-	1,003.63	1,058.39	932.99	954.61	-
Textile mill products	22	9.62	9.68	9.94	9.94	10.00	390.57	400.75	410.52	408.53	415.00
Broadwoven fabric mills, cotton	221	9.99	10.03	10.35	10.38	-	419.58	430.29	436.77	440.11	-
Broadwoven fabric mills, synthetics	222	10.63	10.70	10.92	10.90	-	432.64	441.91	449.90	450.17	-
Broadwoven fabric mills, wool	223	9.86	9.99	10.41	10.39	-	403.27	395.60	430.97	445.73	-
Narrow fabric mills	224	8.96	9.02	9.16	9.18	-	353.02	364.41	371.90	373.63	-
Knitting mills	225	8.82	8.85	9.11	9.09	-	343.10	353.12	366.22	360.87	-
Women's hosiery, except socks	2251	8.17	8.37	8.44	8.47	-	308.01	329.78	319.03	309.16	-
Hosiery, nec	2252	8.73	8.69	9.06	8.96	-	320.39	327.61	343.37	339.58	-
Knit outerwear mills	2253	8.21	8.22	8.40	8.53	-	332.51	337.02	344.40	341.20	-
Knit underwear mills	2254	8.69	8.73	9.10	9.09	-	306.76	326.50	353.99	353.60	-
Weft knit fabric mills	2257	9.66	9.70	10.07	10.05	-	397.03	402.55	437.04	428.13	-
Textile finishing, except wool	226	9.78	10.00	10.21	10.18	-	416.63	433.00	441.07	435.70	-
Finishing plants, cotton	2261	9.68	9.75	10.10	10.15	-	423.98	428.03	437.33	441.53	-
Finishing plants, synthetics	2262	10.23	10.76	10.63	10.51	-	414.32	455.15	453.90	433.01	-
Carpets and rugs	227	9.67	9.77	9.84	9.85	-	399.37	412.29	398.52	384.15	-
Yarn and thread mills	228	9.43	9.42	9.63	9.65	-	384.74	392.81	400.61	403.37	-
Yarn spinning mills	2281	9.41	9.39	9.63	9.65	-	392.40	395.32	407.35	410.13	-
Throwing and winding mills	2282	9.75	9.75	9.82	9.82	-	369.53	384.15	371.20	372.18	-
Miscellaneous textile goods	229	10.86	10.94	11.52	11.49	-	448.52	456.20	493.06	488.33	-
Apparel and other textile products	23	7.94	7.99	8.21	8.23	8.28	296.16	302.82	305.41	306.16	312.16
Men's and boys' suits and coats	231	8.17	8.16	8.40	8.44	-	300.66	305.18	308.28	314.81	-
Men's and boys' furnishings	232	7.33	7.38	7.67	7.68	-	270.48	276.75	280.72	282.62	-
Men's and boys' shirts	2321	7.15	7.17	7.53	7.53	-	253.83	263.14	268.07	274.85	-
Men's and boys' trousers and slacks	2325	7.38	7.45	7.79	7.76	-	270.85	278.63	278.88	280.14	-
Men's and boys' work clothing	2326	7.32	7.36	7.58	7.74	-	273.04	275.26	280.46	288.70	-
Women's and misses' outerwear	233	7.45	7.50	7.71	7.77	-	265.97	272.25	276.02	274.28	-
Women's and misses' blouses and shirts	2331	6.46	6.53	6.82	7.05	-	225.45	238.35	242.11	246.05	-
Women's, juniors', and misses' dresses	2335	8.35	8.39	8.70	8.76	-	312.29	310.43	323.64	324.12	-
Women's and misses' suits and coats	2337	7.92	7.91	7.92	7.96	-	280.37	282.39	271.66	280.19	-
Women's and misses' outerwear, nec	2339	7.30	7.36	7.58	7.60	-	259.15	265.70	271.36	266.00	-
Women's and children's undergarments	234	7.48	7.46	7.72	7.86	-	276.01	278.26	283.32	292.39	-
Women's and children's underwear	2341	7.29	7.31	7.58	7.73	-	266.81	270.47	269.09	280.60	-
Brassieres, girdles, and allied garments	2342	8.06	7.91	8.09	8.20	-	304.67	302.95	323.60	325.54	-
Girls' and children's outerwear	236	7.12	7.13	7.52	7.61	-	261.30	275.93	276.74	280.81	-
Girls' and children's dresses and blouses	2361	7.08	7.08	7.35	7.53	-	248.51	266.92	271.22	275.60	-
Misc. apparel and accessories	238	7.39	7.31	7.77	7.73	-	278.60	278.51	293.71	292.97	-
Misc. fabricated textile products	239	9.27	9.39	9.42	9.38	-	367.09	378.42	370.21	370.51	-
Curtains and draperies	2391	7.60	7.66	8.04	7.98	-	290.32	294.14	303.91	289.67	-
House furnishings, nec	2392	8.38	8.44	8.59	8.66	-	323.47	332.54	328.14	336.87	-
Automotive and apparel trimmings	2396	11.86	12.16	11.63	11.51	-	487.45	508.29	468.69	465.00	-
Paper and allied products	26	14.59	14.63	15.00	15.00	14.99	627.37	634.94	651.00	651.00	649.07
Paper mills	262	18.28	18.38	18.92	19.04	-	835.40	834.45	857.08	862.51	-
Paperboard mills	263	18.32	18.38	18.94	18.70	-	798.75	827.10	827.68	845.24	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Nondurable goods—Continued											
Paper and allied products—Continued											
Paperboard containers and boxes	265	42.7	43.4	43.1	42.9	-	4.8	5.3	5.4	5.2	-
Corrugated and solid fiber boxes	2653	43.0	43.9	43.4	43.2	-	5.1	5.8	5.6	5.4	-
Sanitary food containers	2656	42.8	43.0	42.3	43.0	-	4.9	5.4	5.1	5.4	-
Folding paperboard boxes	2657	42.6	43.0	43.1	43.1	-	4.8	5.1	5.6	5.6	-
Misc. converted paper products	267	41.2	41.7	42.2	42.1	-	3.9	4.4	4.4	4.3	-
Paper, coated and laminated, nec	2672	42.1	42.7	43.6	43.0	-	3.3	3.6	4.3	4.2	-
Bags: plastics, laminated, and coated	2673	41.7	41.9	41.9	42.3	-	4.7	4.9	4.6	4.7	-
Envelopes	2677	40.8	41.3	42.0	41.6	-	3.3	3.6	4.1	3.8	-
Printing and publishing	27	38.0	37.9	38.3	38.1	38.1	2.8	2.7	3.3	3.1	-
Newspapers	271	33.0	32.8	33.0	33.4	-	1.3	1.2	1.3	1.5	-
Periodicals	272	36.1	36.8	37.0	36.0	-	1.9	1.9	2.9	2.2	-
Books	273	39.8	38.6	39.7	38.3	-	3.3	2.3	4.2	3.9	-
Book publishing	2731	39.1	37.7	36.8	37.1	-	2.9	1.1	3.2	3.7	-
Book printing	2732	40.7	39.7	42.9	39.6	-	3.8	3.7	5.3	4.1	-
Miscellaneous publishing	274	35.6	35.6	36.4	36.1	-	1.9	1.8	2.3	2.6	-
Commercial printing	275	39.4	39.4	39.7	39.6	-	3.3	3.3	4.0	3.8	-
Commercial printing, lithographic	2752	39.1	39.1	39.7	39.5	-	3.2	3.1	4.0	3.7	-
Commercial printing, nec	2759	40.1	39.9	39.5	39.7	-	3.5	3.7	3.7	3.7	-
Manifold business forms	276	41.1	41.8	40.7	40.7	-	3.3	4.1	3.2	3.3	-
Blankbooks and bookbinding	278	39.4	39.6	39.7	39.8	-	2.5	2.4	2.8	2.9	-
Printing trade services	279	38.9	39.1	39.5	39.5	-	3.7	3.9	4.1	4.0	-
Chemicals and allied products	28	43.0	43.4	43.0	43.2	43.3	4.7	5.0	4.9	5.1	-
Industrial inorganic chemicals	281	46.0	46.3	46.9	46.3	-	5.5	5.7	5.9	6.0	-
Industrial inorganic chemicals, nec	2819	46.0	46.4	47.3	46.3	-	5.6	5.9	5.7	5.7	-
Plastics materials and synthetics	282	43.6	44.2	43.3	43.3	-	5.5	5.8	5.4	5.5	-
Plastics materials and resins	2821	44.4	45.0	44.6	44.8	-	5.8	5.9	5.5	5.6	-
Organic fibers, noncellulosic	2824	44.7	45.4	42.2	42.1	-	5.2	5.8	5.1	5.1	-
Drugs	283	41.3	41.8	41.5	41.5	-	4.0	4.0	4.5	4.6	-
Pharmaceutical preparations	2834	40.9	41.4	41.6	41.6	-	3.8	3.7	4.3	4.5	-
Soap, cleaners, and toilet goods	284	40.2	41.1	40.5	41.2	-	2.8	3.3	2.9	3.1	-
Soap and other detergents	2841	41.6	42.5	41.7	42.4	-	3.6	4.2	3.2	3.8	-
Polishing, sanitation, and finishing preparations	2842,3	40.5	40.3	40.8	41.4	-	2.8	3.1	3.4	3.6	-
Toilet preparations	2844	39.4	40.8	39.9	40.6	-	2.4	3.0	2.5	2.5	-
Paints and allied products	285	42.3	42.9	42.7	42.7	-	4.1	4.7	5.2	4.8	-
Industrial organic chemicals	286	45.1	45.2	44.5	45.0	-	6.2	6.3	5.9	6.5	-
Cyclic crudes and intermediates	2865	46.4	46.5	44.9	45.4	-	6.5	7.5	6.3	6.7	-
Industrial organic chemicals, nec	2869	44.8	44.9	44.4	44.9	-	6.1	6.0	5.7	6.4	-
Agricultural chemicals	287	45.7	46.3	45.2	44.9	-	6.7	6.7	6.4	6.0	-
Miscellaneous chemical products	289	42.9	42.8	43.0	43.4	-	4.5	4.7	5.0	5.1	-
Petroleum and coal products	29	42.6	44.7	42.4	42.4	42.7	5.6	6.2	5.8	6.0	-
Petroleum refining	291	41.7	44.5	42.2	41.5	-	4.6	5.0	5.3	5.0	-
Asphalt paving and roofing materials	295	45.3	46.0	43.3	45.2	-	9.1	10.1	7.9	9.1	-
Rubber and misc. plastics products	30	41.6	41.7	41.7	41.7	41.7	4.2	4.4	4.4	4.4	-
Tires and inner tubes	301	42.7	40.8	43.5	43.0	-	5.3	4.1	6.2	6.0	-
Rubber and plastics footwear	302	38.9	39.7	41.8	41.8	-	1.6	2.0	2.7	2.7	-
Hose, belting, gaskets, and packing	305	42.5	42.3	42.7	42.8	-	4.5	4.4	5.0	5.2	-
Rubber and plastics hose and belting	3052	43.4	43.5	44.2	43.7	-	4.6	4.7	6.1	5.8	-
Fabricated rubber products, nec	306	41.4	42.0	42.2	42.0	-	3.5	4.2	4.4	4.6	-
Miscellaneous plastics products, nec	308	41.4	41.8	41.4	41.4	-	4.2	4.5	4.2	4.2	-
Leather and leather products	31	38.2	39.1	38.1	38.1	38.6	1.8	2.1	2.0	2.0	-
Leather tanning and finishing	311	42.1	42.9	42.2	42.1	-	5.4	5.6	5.2	5.1	-
Footwear, except rubber	314	36.9	38.1	37.0	37.4	-	1.0	1.3	1.3	1.6	-
Men's footwear, except athletic	3143	35.9	37.5	36.9	37.6	-	.9	1.2	1.2	1.8	-
Women's footwear, except athletic	3144	38.4	39.8	37.1	37.8	-	.6	1.0	1.3	1.4	-
Luggage	316	36.7	38.6	38.0	37.6	-	1.1	2.4	2.7	1.7	-
Handbags and personal leather goods	317	38.6	38.1	38.3	37.8	-	1.1	1.3	1.9	1.5	-
Service-producing		32.5	33.2	32.6	32.7	33.2	-	-	-	-	-
Transportation and public utilities		39.2	40.1	39.2	39.3	39.6	-	-	-	-	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a
Nondurable goods—Continued											
Paper and allied products—Continued											
Paperboard containers and boxes	265	\$12.33	\$12.38	\$12.71	\$12.73	-	\$526.49	\$537.29	\$547.80	\$546.12	-
Corrugated and solid fiber boxes	2653	12.26	12.33	12.65	12.67	-	527.18	541.29	549.01	547.34	-
Sanitary food containers	2656	12.37	12.38	12.80	12.76	-	529.44	532.34	541.44	548.68	-
Folding paperboard boxes	2657	13.08	13.10	13.53	13.57	-	557.21	563.30	583.14	584.87	-
Misc. converted paper products	267	12.75	12.79	13.08	13.02	-	525.30	533.34	551.98	548.14	-
Paper, coated and laminated, nec	2672	14.97	15.20	15.01	14.84	-	630.24	649.04	654.44	638.12	-
Bags: plastics, laminated, and coated	2673	11.63	11.63	11.89	11.66	-	484.87	487.30	498.19	493.22	-
Envelopes	2677	11.88	11.85	11.84	11.88	-	484.70	489.41	497.28	494.21	-
Printing and publishing	27	12.54	12.54	12.99	12.92	\$12.90	476.52	475.27	497.52	492.25	\$491.49
Newspapers	271	12.43	12.40	12.84	12.76	-	410.19	406.72	423.72	426.18	-
Periodicals	272	13.65	13.72	14.25	14.31	-	492.77	504.90	527.25	515.16	-
Books	273	11.74	11.89	12.32	12.46	-	467.25	458.95	489.10	477.22	-
Book publishing	2731	11.24	11.35	11.97	12.26	-	439.48	427.90	440.50	454.85	-
Book printing	2732	12.30	12.47	12.66	12.67	-	500.61	495.06	543.11	501.73	-
Miscellaneous publishing	274	12.15	12.03	12.63	12.73	-	432.54	428.27	459.73	459.55	-
Commercial printing	275	12.74	12.72	13.22	13.08	-	501.96	501.17	524.83	517.97	-
Commercial printing, lithographic	2752	12.88	12.88	13.54	13.34	-	503.61	503.61	537.54	526.93	-
Commercial printing, nec	2759	12.28	12.23	12.44	12.41	-	492.43	487.98	491.38	492.68	-
Manifold business forms	276	13.40	13.46	13.55	13.62	-	550.74	562.63	551.49	554.33	-
Blankbooks and bookbinding	278	9.86	9.85	10.17	10.07	-	388.48	390.06	403.75	400.79	-
Printing trade services	279	15.48	15.47	16.00	16.03	-	602.17	604.88	632.00	633.19	-
Chemicals and allied products	28	16.04	16.11	16.42	16.51	16.55	689.72	699.17	706.06	713.23	716.62
Industrial inorganic chemicals	281	17.81	17.87	16.52	18.54	-	819.26	827.38	868.59	858.40	-
Industrial inorganic chemicals, nec	2819	18.11	18.23	18.81	18.76	-	833.06	845.87	889.71	868.59	-
Plastics materials and synthetics	282	16.67	16.77	17.07	17.19	-	726.81	741.23	739.13	744.33	-
Plastics materials and resins	2821	18.38	18.34	19.16	19.15	-	816.07	825.30	854.54	857.92	-
Organic fibers, noncellulosic	2824	14.46	14.64	14.68	14.75	-	646.36	664.66	619.50	620.98	-
Drugs	283	15.61	15.96	16.26	16.40	-	644.69	667.13	674.79	660.60	-
Pharmaceutical preparations	2834	15.41	15.84	16.13	16.29	-	630.27	655.78	671.01	677.66	-
Soap, cleaners, and toilet goods	284	12.96	12.80	13.11	13.10	-	520.99	526.08	530.96	539.72	-
Soap and other detergents	2841	16.15	16.06	16.22	16.58	-	671.84	682.55	676.37	702.99	-
Polishing, sanitation, and finishing preparations	2842,3	12.12	12.48	12.64	12.59	-	490.86	502.94	515.71	521.23	-
Toilet preparations	2844	11.77	11.36	11.89	11.76	-	463.74	463.49	474.41	477.46	-
Paints and allied products	285	13.44	13.49	14.06	14.05	-	568.51	578.72	600.36	599.94	-
Industrial organic chemicals	286	19.48	19.50	19.71	19.96	-	878.55	881.40	877.10	896.20	-
Cyclic crudes and intermediates	2865	19.34	19.69	19.69	19.59	-	897.38	915.59	884.08	889.39	-
Industrial organic chemicals, nec	2869	19.63	19.58	19.85	20.19	-	879.42	879.14	861.34	906.53	-
Agricultural chemicals	287	15.83	15.98	15.99	16.17	-	723.43	739.87	722.75	726.03	-
Miscellaneous chemical products	289	14.79	14.89	14.98	14.93	-	634.49	637.29	644.14	647.96	-
Petroleum and coal products	29	18.99	18.88	19.97	20.00	20.07	808.97	843.94	846.73	848.00	856.99
Petroleum refining	291	21.18	20.91	22.27	22.52	-	883.21	930.50	939.79	934.58	-
Asphalt paving and roofing materials	295	14.57	14.76	14.47	14.69	-	660.02	678.96	626.55	663.99	-
Rubber and misc. plastics products	30	11.20	11.16	11.53	11.50	11.53	465.92	465.37	480.80	479.55	480.80
Tires and inner tubes	301	17.91	17.65	18.70	18.57	-	764.76	720.12	813.45	798.51	-
Rubber and plastics footwear	302	9.08	9.11	9.69	9.65	-	353.21	361.67	405.04	403.37	-
Hose, belting, gaskets, and packing	305	11.40	11.35	11.79	11.64	-	484.50	480.11	503.43	498.19	-
Rubber and plastics hose and belting	3052	11.49	11.48	11.99	11.98	-	498.67	499.38	529.96	523.53	-
Fabricated rubber products, nec	306	10.69	10.73	11.16	11.06	-	442.57	450.66	470.95	464.52	-
Miscellaneous plastics products, nec	308	10.55	10.57	10.82	10.83	-	436.77	441.83	447.95	448.36	-
Leather and leather products	31	8.42	8.47	8.87	8.90	8.90	321.64	331.18	337.95	339.09	343.54
Leather tanning and finishing	311	11.32	11.61	11.82	11.84	-	476.57	498.07	498.80	498.46	-
Footwear, except rubber	314	7.92	7.87	8.34	8.40	-	292.25	299.85	308.58	314.16	-
Men's footwear, except athletic	3143	8.71	8.64	9.06	9.08	-	312.69	324.00	334.31	341.41	-
Women's footwear, except athletic	3144	7.00	6.88	7.36	7.41	-	268.80	273.82	273.06	280.10	-
Luggage	316	8.52	8.80	8.92	8.78	-	312.68	339.68	338.96	330.13	-
Handbags and personal leather goods	317	7.51	7.56	7.69	7.86	-	291.39	288.04	294.53	297.11	-
Service-producing		11.15	11.18	11.63	11.60	\$11.59	362.38	371.18	379.14	379.32	\$384.79
Transportation and public utilities		14.34	14.40	14.77	14.73	14.72	562.13	577.44	578.98	578.89	582.91

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Transportation and public utilities—Continued											
Railroad transportation:											
Class I railroads plus Amtrak ³	4011	47.0	48.9	49.0	49.0	-	-	-	-	-	-
Local and interurban passenger transit	41	34.7	34.5	33.9	34.8	-	-	-	-	-	-
Local and suburban transportation	411	38.5	38.8	38.0	38.2	-	-	-	-	-	-
Intercity and rural bus transportation	413	38.2	38.3	38.3	38.3	-	-	-	-	-	-
Trucking and warehousing	42	39.7	40.4	39.9	40.1	-	-	-	-	-	-
Trucking and courier services, except air	421	39.7	40.5	40.0	40.1	-	-	-	-	-	-
Public warehousing and storage	422	39.0	39.2	39.0	39.5	-	-	-	-	-	-
Water transportation:											
Water transportation services	449	37.7	38.0	38.0	37.9	-	-	-	-	-	-
Pipelines, except natural gas	46	44.1	45.1	43.3	43.3	-	-	-	-	-	-
Transportation services	47	37.6	38.6	38.0	38.2	-	-	-	-	-	-
Passenger transportation arrangement	472	37.2	37.8	37.7	37.9	-	-	-	-	-	-
Travel agencies	4724	36.9	37.5	37.3	37.5	-	-	-	-	-	-
Freight transportation arrangement	473	38.3	39.8	38.4	38.6	-	-	-	-	-	-
Communications	48	40.1	41.2	39.9	39.6	-	-	-	-	-	-
Telephone communications	481	41.9	43.2	41.6	41.3	-	-	-	-	-	-
Telephone communications, except radio	4813	42.4	43.6	42.3	41.8	-	-	-	-	-	-
Radio and television broadcasting	483	34.9	35.6	35.0	35.0	-	-	-	-	-	-
Cable and other pay television services	484	39.4	39.8	39.0	38.7	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.9	42.2	42.4	42.0	-	-	-	-	-	-
Electric services	491	41.7	42.1	42.4	41.7	-	-	-	-	-	-
Gas production and distribution	492	41.8	42.3	42.1	41.9	-	-	-	-	-	-
Combination utility services	493	42.0	41.9	43.5	43.4	-	-	-	-	-	-
Sanitary services	495	42.6	43.1	41.8	41.7	-	-	-	-	-	-
Wholesale trade		38.2	38.8	38.3	38.5	38.9	-	-	-	-	-
Durable goods	50	38.9	39.4	39.0	39.1	-	-	-	-	-	-
Motor vehicles, parts, and supplies	501	38.0	38.3	38.1	38.1	-	-	-	-	-	-
Furniture and home furnishings	502	37.4	37.8	37.1	37.2	-	-	-	-	-	-
Lumber and other construction materials	503	40.3	40.7	40.0	40.4	-	-	-	-	-	-
Professional and commercial equipment	504	38.8	39.9	39.2	39.3	-	-	-	-	-	-
Medical and hospital equipment	5047	38.5	39.5	39.3	39.3	-	-	-	-	-	-
Metals and minerals, except petroleum	505	41.2	41.7	41.7	41.8	-	-	-	-	-	-
Electrical goods	506	38.9	39.4	39.3	39.2	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.8	39.3	39.1	39.3	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.2	39.8	39.2	39.4	-	-	-	-	-	-
Misc. wholesale trade durable goods	509	38.2	38.3	38.1	38.3	-	-	-	-	-	-
Nondurable goods	51	37.3	37.8	37.3	37.7	-	-	-	-	-	-
Paper and paper products	511	36.9	37.3	35.6	36.1	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	38.0	38.8	36.1	36.0	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.5	36.7	36.9	36.8	-	-	-	-	-	-
Groceries and related products	514	38.1	38.7	38.5	38.7	-	-	-	-	-	-
Farm-product raw materials	515	35.3	36.0	34.6	36.0	-	-	-	-	-	-
Chemicals and allied products	516	39.5	40.4	40.4	40.0	-	-	-	-	-	-
Petroleum and petroleum products	517	37.2	38.1	37.5	37.8	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	37.4	37.9	37.7	38.1	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	519	36.9	37.0	36.5	37.3	-	-	-	-	-	-
Retail trade		28.7	29.4	28.6	28.9	29.5	-	-	-	-	-
Building materials and garden supplies	52	35.6	36.1	34.7	35.3	-	-	-	-	-	-
Lumber and other building materials	521	37.1	37.5	36.4	36.9	-	-	-	-	-	-
Paint, glass, and wallpaper stores	523	36.5	36.7	35.6	35.9	-	-	-	-	-	-
Hardware stores	525	31.7	32.8	30.8	31.0	-	-	-	-	-	-
Retail nurseries and garden stores	526	33.5	33.6	31.2	32.9	-	-	-	-	-	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Transportation and public utilities—Continued											
Railroad transportation:											
Class I railroads plus Amtrak ³	4011	\$17.52	\$17.88	\$18.10	\$17.98	-	\$823.44	\$874.33	\$886.90	\$881.02	-
Local and interurban passenger transit	41	10.58	10.72	10.91	10.86	-	367.13	369.84	389.85	377.93	-
Local and suburban transportation	411	11.30	11.26	11.40	11.31	-	435.05	436.89	433.20	432.04	-
Intercity and rural bus transportation	413	12.59	12.89	13.87	13.83	-	480.94	493.69	531.22	529.69	-
Trucking and warehousing	42	12.94	12.86	13.11	13.16	-	513.72	519.54	523.09	527.72	-
Trucking and courier services, except air	421	13.14	13.06	13.32	13.37	-	521.66	528.93	532.80	536.14	-
Public warehousing and storage	422	10.60	10.58	10.87	10.93	-	413.40	414.74	423.93	431.74	-
Water transportation:											
Water transportation services	449	16.86	16.74	18.81	18.64	-	635.62	638.12	714.78	706.46	-
Pipelines, except natural gas	46	20.11	20.60	20.67	20.61	-	886.85	929.06	895.01	892.41	-
Transportation services	47	12.90	12.87	12.87	13.09	-	485.04	496.78	489.06	500.04	-
Passenger transportation arrangement	472	12.99	12.90	12.66	13.14	-	483.23	487.62	477.28	498.01	-
Travel agencies	4724	13.42	13.25	12.88	13.55	-	495.20	496.88	480.42	508.13	-
Freight transportation arrangement	473	13.27	13.33	13.32	13.31	-	508.24	530.53	511.49	513.77	-
Communications	48	15.87	15.99	16.63	16.57	-	636.39	658.79	663.54	656.17	-
Telephone communications	481	16.52	16.56	17.27	17.18	-	692.19	715.39	718.43	709.53	-
Telephone communications, except radio	4813	16.86	16.92	17.71	17.64	-	714.86	737.71	749.13	737.35	-
Radio and television broadcasting	483	15.68	16.08	16.75	16.72	-	547.23	572.45	586.25	585.20	-
Cable and other pay television services	484	12.54	12.65	13.27	13.23	-	494.08	503.47	517.53	512.00	-
Electric, gas, and sanitary services	49	18.12	18.03	19.08	19.04	-	759.23	760.87	808.99	799.68	-
Electric services	491	19.25	19.13	20.04	20.07	-	802.73	805.37	849.70	836.92	-
Gas production and distribution	492	17.47	17.51	17.73	17.80	-	730.25	740.67	746.43	745.82	-
Combination utility services	493	21.45	21.50	23.33	23.10	-	900.90	900.65	1,014.86	1,002.54	-
Sanitary services	495	13.41	13.25	14.33	14.34	-	571.27	571.08	598.99	597.98	-
Wholesale trade		12.75	12.88	13.33	13.29	\$13.32	487.05	499.74	510.54	511.67	\$518.15
Durable goods	50	13.26	13.41	13.90	13.84	-	515.81	528.35	542.10	541.14	-
Motor vehicles, parts, and supplies	501	11.61	11.68	12.17	12.12	-	441.18	447.34	463.68	461.77	-
Furniture and home furnishings	502	11.78	11.87	12.47	12.43	-	440.57	448.69	462.64	462.40	-
Lumber and other construction materials	503	11.97	12.09	12.56	12.55	-	482.39	492.06	502.40	507.02	-
Professional and commercial equipment	504	15.98	16.15	16.51	16.30	-	620.02	644.39	647.19	640.59	-
Medical and hospital equipment	5047	14.50	14.67	15.72	15.96	-	558.25	579.47	617.80	627.23	-
Metals and minerals, except petroleum	505	12.95	13.01	13.39	13.36	-	533.54	542.52	558.36	558.45	-
Electrical goods	506	14.08	14.33	15.07	14.99	-	547.71	564.60	592.25	587.61	-
Hardware, plumbing, and heating equipment	507	12.49	12.67	13.05	13.09	-	484.61	497.93	510.26	514.44	-
Machinery, equipment, and supplies	508	13.29	13.39	13.94	13.98	-	520.97	532.92	546.45	550.81	-
Misc. wholesale trade durable goods	509	10.36	10.42	10.77	10.79	-	395.75	399.09	410.34	413.26	-
Nondurable goods	51	12.01	12.11	12.50	12.49	-	447.97	457.76	466.25	470.87	-
Paper and paper products	511	12.27	12.38	12.64	12.68	-	452.76	461.77	449.98	457.75	-
Drugs, proprietaries, and sundries	512	15.35	15.76	16.27	16.26	-	552.60	579.97	587.35	585.36	-
Apparel, piece goods, and notions	513	11.76	11.80	12.61	12.52	-	429.24	433.06	465.31	460.74	-
Groceries and related products	514	12.40	12.44	12.81	12.77	-	472.44	481.43	493.19	494.20	-
Farm-product raw materials	515	9.13	9.16	9.55	9.65	-	322.29	329.76	330.43	347.40	-
Chemicals and allied products	516	13.41	13.58	13.89	14.13	-	529.70	548.63	561.16	565.20	-
Petroleum and petroleum products	517	11.13	11.21	11.60	11.54	-	414.04	427.10	435.00	436.21	-
Beer, wine, and distilled beverages	518	13.80	13.91	14.54	14.50	-	516.12	527.19	548.16	552.45	-
Misc. wholesale trade nondurable goods	519	9.91	9.98	10.20	10.26	-	365.68	369.26	372.30	382.70	-
Retail trade		7.92	7.98	8.26	8.27	8.27	227.30	234.61	236.81	239.00	243.97
Building materials and garden supplies	52	9.32	9.33	9.76	9.76	-	331.79	336.81	338.67	344.53	-
Lumber and other building materials	521	9.80	9.76	10.18	10.21	-	363.58	366.00	370.55	376.75	-
Paint, glass, and wallpaper stores	523	9.89	10.00	10.17	10.29	-	360.99	367.00	362.05	369.41	-
Hardware stores	525	7.89	7.89	8.20	8.22	-	250.11	258.79	252.56	254.82	-
Retail nurseries and garden stores	526	8.02	8.08	8.61	8.54	-	268.67	271.49	268.63	280.97	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Retail trade—Continued											
General merchandise stores	53	29.1	29.7	29.0	29.4	-	-	-	-	-	-
Department stores	531	29.2	29.7	29.0	29.5	-	-	-	-	-	-
Variety stores	533	27.2	27.4	27.2	27.1	-	-	-	-	-	-
Misc. general merchandise stores	539	29.4	30.3	29.6	30.1	-	-	-	-	-	-
Food stores	54	29.4	30.3	29.3	29.6	-	-	-	-	-	-
Grocery stores	541	29.6	30.6	29.5	29.8	-	-	-	-	-	-
Retail bakeries	546	27.6	28.3	27.9	28.5	-	-	-	-	-	-
Automotive dealers and service stations	55	35.3	36.0	35.4	35.6	-	-	-	-	-	-
New and used car dealers	551	36.9	37.4	36.8	36.9	-	-	-	-	-	-
Auto and home supply stores	553	37.5	38.5	37.7	37.9	-	-	-	-	-	-
Gasoline service stations	554	31.7	32.5	31.8	32.1	-	-	-	-	-	-
Automotive dealers, nec	559	35.2	35.5	36.3	35.2	-	-	-	-	-	-
Apparel and accessory stores	56	26.2	27.1	26.4	26.4	-	-	-	-	-	-
Men's and boys' clothing stores	561	28.6	29.6	28.3	28.5	-	-	-	-	-	-
Women's clothing stores	562	24.7	25.1	24.9	24.9	-	-	-	-	-	-
Family clothing stores	565	26.8	28.1	27.3	27.0	-	-	-	-	-	-
Shoe stores	566	26.2	27.0	25.9	26.0	-	-	-	-	-	-
Furniture and home furnishings stores	57	32.4	33.2	32.5	32.7	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.1	33.7	32.9	32.8	-	-	-	-	-	-
Household appliance stores	572	33.3	33.8	34.3	34.0	-	-	-	-	-	-
Radio, television, and computer stores	573	31.5	32.6	31.8	32.3	-	-	-	-	-	-
Radio, television, and electronic stores	5731	31.5	32.3	32.1	32.4	-	-	-	-	-	-
Record and prerecorded tape stores	5735	25.3	26.3	24.6	24.9	-	-	-	-	-	-
Eating and drinking places ⁴	58	25.2	25.9	25.2	25.4	-	-	-	-	-	-
Miscellaneous retail establishments	59	29.9	30.3	29.1	29.5	-	-	-	-	-	-
Drug stores and proprietary stores	591	28.6	29.2	28.5	28.6	-	-	-	-	-	-
Used merchandise stores	593	30.8	31.1	30.6	30.7	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	27.9	29.1	27.5	27.7	-	-	-	-	-	-
Nonstore retailers	596	33.3	33.3	32.1	32.3	-	-	-	-	-	-
Fuel dealers	598	37.1	37.5	37.3	37.1	-	-	-	-	-	-
Retail stores, nec	599	32.2	31.4	29.6	31.1	-	-	-	-	-	-
Optical goods stores	5995	33.8	34.3	33.0	33.0	-	-	-	-	-	-
Miscellaneous retail stores, nec	5999	31.7	32.0	29.9	30.4	-	-	-	-	-	-
Finance, insurance, and real estate⁵		35.6	36.5	35.9	35.9	36.8	-	-	-	-	-
Depository institutions	60	34.8	36.2	35.1	34.9	-	-	-	-	-	-
Commercial banks	602	34.5	36.2	34.8	34.5	-	-	-	-	-	-
State commercial banks	6022	34.7	36.6	35.0	34.8	-	-	-	-	-	-
National and commercial banks, nec	6021,9	34.3	35.9	34.6	34.3	-	-	-	-	-	-
Credit unions	606	35.7	36.5	35.9	35.7	-	-	-	-	-	-
Nondepository institutions	61	37.7	39.0	37.7	37.7	-	-	-	-	-	-
Personal credit institutions	614	38.3	39.4	38.2	38.2	-	-	-	-	-	-
Security and commodity brokers: Security and commodity services	628	36.6	37.7	37.6	37.8	-	-	-	-	-	-
Insurance carriers	63	38.0	38.5	38.3	38.3	-	-	-	-	-	-
Life insurance	631	37.6	38.3	37.8	37.8	-	-	-	-	-	-
Medical service and health insurance	632	39.0	39.0	38.8	38.9	-	-	-	-	-	-
Hospital and medical service plans	6324	39.1	39.0	39.1	39.2	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	38.2	38.3	38.4	38.4	-	-	-	-	-	-
Services		32.2	32.8	32.4	32.4	32.8	-	-	-	-	-
Agricultural services	07	35.3	36.3	34.3	35.5	-	-	-	-	-	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Retail trade—Continued											
General merchandise stores	53	\$7.88	\$7.89	\$8.13	\$8.09	-	\$229.31	\$234.33	\$235.77	\$237.85	-
Department stores	531	7.94	7.95	8.17	8.14	-	231.85	236.12	236.93	240.13	-
Variety stores	533	7.20	7.23	7.57	7.44	-	195.84	198.10	205.90	201.62	-
Misc. general merchandise stores	539	7.57	7.57	7.90	7.90	-	222.56	229.37	233.84	237.79	-
Food stores	54	8.37	8.30	8.71	8.65	-	246.08	251.49	255.20	256.04	-
Grocery stores	541	8.47	8.40	8.82	8.76	-	250.71	257.04	260.19	261.05	-
Retail bakeries	546	7.41	7.40	7.63	7.67	-	204.52	209.42	212.88	218.60	-
Automotive dealers and service stations	55	10.87	11.19	11.32	11.36	-	383.71	402.84	400.73	404.42	-
New and used car dealers	551	13.67	14.37	14.26	14.33	-	504.42	537.44	524.77	528.78	-
Auto and home supply stores	553	8.99	9.04	9.35	9.44	-	337.13	348.04	352.50	357.78	-
Gasoline service stations	554	7.08	7.12	7.39	7.41	-	224.44	231.40	235.00	237.86	-
Automotive dealers, nec	559	11.66	11.80	12.33	12.60	-	410.43	418.90	447.58	443.52	-
Apparel and accessory stores	56	7.73	7.77	8.00	8.07	-	202.53	210.57	211.20	213.05	-
Men's and boys' clothing stores	561	9.21	9.43	9.59	9.59	-	263.41	279.13	271.40	273.32	-
Women's clothing stores	562	7.58	7.55	7.89	7.93	-	187.23	189.51	196.46	197.46	-
Family clothing stores	565	7.56	7.66	7.73	7.81	-	202.61	215.25	211.03	210.87	-
Shoe stores	566	7.64	7.69	7.93	7.98	-	200.17	207.63	205.39	207.48	-
Furniture and home furnishings stores	57	10.36	10.66	10.98	11.00	-	335.66	353.91	356.85	359.70	-
Furniture and home furnishings stores	571	9.96	10.14	10.34	10.42	-	329.68	341.72	340.19	341.78	-
Household appliance stores	572	10.15	10.61	10.40	10.37	-	338.00	358.62	356.72	352.58	-
Radio, television, and computer stores	573	10.94	11.36	11.91	11.85	-	344.61	370.34	378.74	382.76	-
Radio, television, and electronic stores	5731	10.36	10.90	10.89	10.82	-	326.34	352.07	349.57	350.57	-
Record and prerecorded tape stores	5735	6.52	6.68	6.99	7.04	-	164.96	175.68	171.95	175.30	-
Eating and drinking places ⁴	58	5.72	5.76	5.96	5.99	-	144.14	149.18	150.19	152.15	-
Miscellaneous retail establishments	59	8.70	8.73	9.06	9.08	-	260.13	264.52	263.65	267.86	-
Drug stores and proprietary stores	591	9.19	9.21	9.60	9.67	-	262.83	268.93	273.60	276.56	-
Used merchandise stores	593	7.29	7.26	7.60	7.51	-	224.53	225.79	232.56	230.56	-
Miscellaneous shopping goods stores	594	7.99	8.03	8.36	8.37	-	222.92	233.67	229.90	231.85	-
Nonstore retailers	596	9.36	9.39	9.65	9.75	-	311.69	312.69	309.77	314.93	-
Fuel dealers	598	11.50	11.53	12.16	12.05	-	426.65	432.38	453.57	447.06	-
Retail stores, nec	599	8.82	8.91	9.12	9.15	-	284.00	279.77	269.95	284.57	-
Optical goods stores	5995	11.05	11.06	11.34	11.27	-	373.49	379.36	374.22	371.91	-
Miscellaneous retail stores, nec	5999	9.15	9.18	9.40	9.53	-	290.06	293.76	281.06	289.71	-
Finance, insurance, and real estate⁵		12.74	12.75	13.09	13.16	\$13.20	453.54	465.38	469.93	472.44	\$485.76
Depository institutions	60	9.86	9.88	10.08	10.22	-	343.13	357.66	353.81	356.68	-
Commercial banks	602	9.40	9.44	9.62	9.75	-	324.30	341.73	334.78	336.38	-
State commercial banks	6022	9.23	9.22	9.54	9.61	-	320.28	337.45	333.90	334.43	-
National and commercial banks, nec	6021,9	9.51	9.58	9.67	9.85	-	326.19	343.92	334.58	337.86	-
Credit unions	606	9.77	9.82	10.05	10.07	-	348.79	358.43	360.80	359.50	-
Nondepository institutions	61	12.86	12.88	13.34	13.57	-	484.82	502.32	502.92	511.59	-
Personal credit institutions	614	10.74	10.86	11.61	11.72	-	411.34	427.88	443.50	447.70	-
Security and commodity brokers: Security and commodity services	628	18.17	18.18	18.66	18.56	-	665.02	685.39	701.62	701.57	-
Insurance carriers	63	15.30	15.37	15.55	15.60	-	581.40	591.75	595.57	597.48	-
Life insurance	631	14.65	14.55	14.35	14.29	-	550.84	557.27	542.43	540.16	-
Medical service and health insurance	632	14.16	14.38	14.58	14.62	-	552.24	560.82	565.70	568.72	-
Hospital and medical service plans	6324	14.45	14.63	14.89	14.91	-	565.00	570.57	582.20	584.47	-
Fire, marine, and casualty insurance	633	16.56	16.70	16.98	17.02	-	632.59	639.61	652.03	653.57	-
Services		11.67	11.66	12.20	12.16	12.14	375.77	382.45	395.28	393.98	398.19
Agricultural services	07	9.11	9.06	9.37	9.30	-	321.58	328.68	321.39	330.15	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a
Services—Continued											
Agricultural services—Continued											
Veterinary services	074	28.7	30.0	28.8	28.8	-	-	-	-	-	-
Landscape and horticultural services	076	37.8	38.7	36.6	38.2	-	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels ⁴	701	30.6	31.5	30.5	30.7	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	34.6	34.5	34.1	34.6	-	-	-	-	-	-
Beauty shops ⁴	723	27.8	27.9	27.8	28.1	-	-	-	-	-	-
Miscellaneous personal services	729	27.5	27.4	27.2	27.0	-	-	-	-	-	-
Business services											
Advertising	731	36.1	36.9	36.5	36.4	-	-	-	-	-	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services	7334	36.5	37.2	36.1	36.3	-	-	-	-	-	-
Services to buildings	734	28.8	28.9	28.9	28.8	-	-	-	-	-	-
Disinfecting and pest control services	7342	37.4	37.7	36.9	36.5	-	-	-	-	-	-
Building maintenance services, nec	7349	28.0	28.0	28.2	28.0	-	-	-	-	-	-
Miscellaneous equipment rental and leasing											
Miscellaneous equipment rental	735	39.5	40.4	39.0	39.7	-	-	-	-	-	-
Medical equipment rental	7352	37.5	38.7	37.7	38.1	-	-	-	-	-	-
Heavy construction equipment rental	7353	40.2	40.4	40.3	40.4	-	-	-	-	-	-
Equipment rental and leasing, nec	7359	39.7	40.8	38.9	39.9	-	-	-	-	-	-
Personnel supply services:											
Help supply services	7363	32.1	32.5	32.3	32.2	-	-	-	-	-	-
Computer and data processing services											
Computer and data processing services	737	37.5	38.3	38.1	38.0	-	-	-	-	-	-
Computer programming services	7371	36.1	38.7	38.5	38.4	-	-	-	-	-	-
Computer integrated systems design	7373	37.5	39.4	38.3	38.6	-	-	-	-	-	-
Information retrieval services	7375	37.9	38.6	38.0	37.6	-	-	-	-	-	-
Computer maintenance and repair	7378	39.8	39.6	38.1	38.9	-	-	-	-	-	-
Miscellaneous business services	738	32.9	33.5	32.9	33.1	-	-	-	-	-	-
Detective and armored car services	7381	34.1	34.5	34.3	34.4	-	-	-	-	-	-
Security systems services	7382	38.3	37.3	35.3	35.6	-	-	-	-	-	-
Auto repair, services, and parking											
Automotive rentals, without drivers	751	36.0	36.6	35.9	36.1	-	-	-	-	-	-
Passenger car rental	7514	36.2	36.8	38.0	36.0	-	-	-	-	-	-
Automobile parking	752	36.3	36.7	36.0	36.1	-	-	-	-	-	-
Automotive repair shops	753	32.5	33.5	32.8	33.1	-	-	-	-	-	-
Automotive and tire repair shops	7532,4	38.3	38.6	38.1	38.2	-	-	-	-	-	-
General automotive repair shops	7538	38.1	38.1	38.1	37.9	-	-	-	-	-	-
Automotive services, except repair	754	37.7	38.2	37.6	37.5	-	-	-	-	-	-
Carwashes	7542	31.1	32.7	31.0	31.9	-	-	-	-	-	-
Miscellaneous repair services	76	28.4	30.5	28.2	29.5	-	-	-	-	-	-
Miscellaneous repair services											
Motion pictures	78	38.0	38.3	38.5	38.5	-	-	-	-	-	-
Motion picture production and services	781	29.7	30.4	30.0	29.1	-	-	-	-	-	-
Video tape rental	784	39.5	39.4	39.3	38.8	-	-	-	-	-	-
Amusement and recreation services											
Bowling centers	79	23.5	24.5	23.7	23.5	-	-	-	-	-	-
Misc. amusement and recreation services	793	26.1	27.8	26.1	26.2	-	-	-	-	-	-
Physical fitness facilities	7991	24.0	24.5	24.6	23.8	-	-	-	-	-	-
Membership sports and recreation clubs	7997	26.1	28.1	25.5	25.9	-	-	-	-	-	-
Health services											
Offices and clinics of medical doctors	80	17.9	18.8	18.6	16.8	-	-	-	-	-	-
Offices and clinics of dentists	801	28.7	29.8	27.7	26.3	-	-	-	-	-	-
Offices and clinics of other health practitioners	802	32.5	32.8	32.9	32.9	-	-	-	-	-	-
Nursing and personal care facilities	805	32.6	33.1	33.0	32.9	-	-	-	-	-	-
Intermediate care facilities	8052	28.1	28.4	28.5	28.6	-	-	-	-	-	-
Hospitals	806	29.4	30.0	30.3	30.1	-	-	-	-	-	-
		32.0	32.8	32.1	32.1	-	-	-	-	-	-
		31.7	32.7	31.7	31.6	-	-	-	-	-	-
		34.2	34.4	34.7	34.7	-	-	-	-	-	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Services—Continued											
Agricultural services—Continued											
Veterinary services	074	\$9.10	\$9.00	\$9.41	\$9.43	-	\$261.17	\$270.00	\$271.01	\$271.58	-
Landscape and horticultural services	078	9.17	9.14	9.40	9.29	-	346.63	353.72	344.04	354.88	-
Hotels and other lodging places:											
Hotels and motels ⁴	701	8.10	8.03	8.46	8.46	-	247.86	252.95	258.03	259.72	-
Personal services:											
Laundry, cleaning, and garment services	721	7.72	7.73	8.00	7.97	-	267.11	266.69	272.80	275.76	-
Beauty shops ⁴	723	8.93	8.97	8.98	9.16	-	248.25	250.26	249.64	257.40	-
Miscellaneous personal services	729	8.80	8.80	7.92	9.16	-	242.00	241.12	215.42	247.32	-
Business services											
Advertising	731	11.09	11.18	11.70	11.73	-	367.08	375.65	390.78	391.78	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services	7334	10.54	10.65	10.84	10.89	-	384.71	396.18	391.32	395.31	-
Services to buildings	734	7.55	7.61	7.81	7.89	-	217.44	219.93	225.71	227.23	-
Disinfecting and pest control services	7342	9.87	10.19	10.16	10.47	-	369.14	384.16	374.90	382.16	-
Building maintenance services, nec	7349	7.26	7.28	7.51	7.57	-	203.28	203.84	211.78	211.96	-
Miscellaneous equipment rental and leasing	735	11.37	11.31	11.87	11.75	-	449.12	456.92	462.93	466.48	-
Medical equipment rental	7352	10.51	10.45	10.93	11.15	-	394.13	404.42	412.06	424.62	-
Heavy construction equipment rental	7353	14.91	15.07	15.71	15.60	-	599.38	608.83	633.11	630.24	-
Equipment rental and leasing, nec	7359	10.52	10.42	10.92	10.79	-	417.64	425.14	424.79	430.52	-
Personnel supply services:											
Help supply services	7363	9.13	9.15	9.62	9.73	-	293.07	297.38	310.73	313.31	-
Computer and data processing services	737	18.42	18.76	19.59	19.66	-	690.75	718.51	746.38	747.08	-
Computer programming services	7371	21.05	21.57	22.58	22.67	-	802.01	834.76	869.33	870.53	-
Computer integrated systems design	7373	19.25	19.48	20.02	20.33	-	721.88	767.51	766.77	784.74	-
Information retrieval services	7375	14.71	14.70	15.17	15.08	-	557.51	567.42	576.46	567.01	-
Computer maintenance and repair	7378	14.24	14.16	14.41	14.52	-	566.75	560.74	549.02	564.83	-
Miscellaneous business services	738	9.45	9.45	9.73	9.67	-	310.91	316.58	320.12	320.08	-
Detective and armored car services	7381	7.36	7.38	7.72	7.73	-	250.98	254.61	264.80	265.91	-
Security systems services	7382	11.50	11.72	12.06	12.09	-	417.45	437.16	425.72	430.40	-
Auto repair, services, and parking											
Automotive rentals, without drivers	751	10.17	10.14	10.46	10.47	-	366.12	371.12	375.51	377.97	-
Passenger car rental	7514	9.65	9.73	9.88	9.88	-	349.33	356.12	355.68	355.68	-
Automobile parking	752	8.66	8.75	8.85	8.89	-	314.36	321.13	318.60	320.93	-
Automotive repair shops	753	7.33	7.41	7.48	7.50	-	238.23	248.24	245.34	248.25	-
Automotive and tire repair shops	7532,4	11.41	11.38	11.81	11.84	-	437.00	439.27	449.96	452.29	-
General automotive repair shops	7538	11.97	11.90	12.39	12.46	-	456.06	453.39	472.06	472.23	-
Automotive services, except repair	754	11.41	11.39	11.74	11.80	-	430.16	435.10	441.42	442.50	-
Carwashes	7542	7.69	7.62	7.84	7.88	-	239.16	249.17	243.04	251.37	-
Miscellaneous repair services	76	6.72	6.65	6.97	6.91	-	190.85	202.83	196.55	203.85	-
Motion pictures											
Motion picture production and services	781	11.96	12.06	12.55	12.58	-	454.48	461.90	483.18	484.33	-
Video tape rental	784	13.68	12.99	14.12	13.69	-	406.30	394.90	423.60	398.38	-
Amusement and recreation services											
Bowling centers	793	19.20	18.78	19.59	18.85	-	758.40	739.93	769.89	731.38	-
Misc. amusement and recreation services	799	5.94	5.94	6.45	6.50	-	139.59	145.53	152.87	152.75	-
Physical fitness facilities	7991	8.80	8.38	9.30	9.10	-	229.68	232.96	242.73	238.42	-
Membership sports and recreation clubs	7997	7.02	7.15	7.26	7.49	-	168.48	175.18	178.60	178.26	-
Health services											
Offices and clinics of medical doctors	801	8.25	7.85	8.74	8.55	-	215.33	220.59	222.87	221.45	-
Offices and clinics of dentists	802	8.05	7.95	8.39	8.44	-	144.10	149.46	156.05	158.67	-
Offices and clinics of other health practitioners	804	8.64	8.23	9.04	8.89	-	247.97	245.25	250.41	251.59	-
Nursing and personal care facilities	805	12.77	12.78	13.16	13.17	-	415.03	419.18	432.96	433.29	-
Intermediate care facilities	8052	13.08	13.14	13.62	13.67	-	426.41	434.93	449.46	449.74	-
Hospitals	806	12.76	12.85	13.57	13.56	-	358.56	364.94	386.75	387.82	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a	May 1996	June 1996	Apr. 1997	May 1997 ^a	June 1997 ^a
Services—Continued											
Health services—Continued											
Home health care services	808	27.7	28.2	28.7	28.8	-	-	-	-	-	-
Legal services	81	34.6	35.6	34.7	34.6	-	-	-	-	-	-
Social services											
Individual and family services	83	30.9	31.5	31.0	31.1	-	-	-	-	-	-
Job training and related services	832	30.9	31.5	31.1	31.2	-	-	-	-	-	-
Child day care services	833	30.8	31.2	31.0	31.1	-	-	-	-	-	-
Residential care	835	29.8	30.4	29.8	29.9	-	-	-	-	-	-
Social services, nec	836	31.7	32.5	31.8	31.8	-	-	-	-	-	-
.....	839	31.5	31.1	31.6	31.8	-	-	-	-	-	-
Membership organizations:											
Professional organizations	862	34.5	35.4	34.9	34.9	-	-	-	-	-	-
Engineering and management services											
Engineering and architectural services	87	36.9	37.6	37.7	37.1	-	-	-	-	-	-
Engineering services	871	39.0	39.8	39.3	39.3	-	-	-	-	-	-
Architectural services	8711	39.3	40.1	39.7	39.7	-	-	-	-	-	-
Surveying services	8712	37.8	38.9	38.5	38.3	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	8713	38.3	38.1	37.6	37.9	-	-	-	-	-	-
Research and testing services	872	35.8	36.3	38.9	35.7	-	-	-	-	-	-
Commercial physical research	873	36.2	37.0	36.5	36.8	-	-	-	-	-	-
Commercial nonphysical research	8731	39.5	40.3	39.9	40.0	-	-	-	-	-	-
Noncommercial research organizations	8732	30.2	30.9	30.7	31.2	-	-	-	-	-	-
Management and public relations	8733	35.5	36.7	36.6	36.6	-	-	-	-	-	-
Management services	874	35.8	36.6	36.0	35.9	-	-	-	-	-	-
Management consulting services	8741	35.4	35.7	35.2	35.0	-	-	-	-	-	-
Public relations services	8742	35.3	36.3	36.4	36.3	-	-	-	-	-	-
.....	8743	35.0	35.2	34.5	35.0	-	-	-	-	-	-
Services, nec	89	36.0	36.9	35.6	35.3	-	-	-	-	-	-

See footnotes at end of table.

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

B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Services—Continued											
Health services—Continued											
Home health care services	808	\$11.13	\$11.08	\$11.24	\$11.27	-	\$308.30	\$312.46	\$322.59	\$324.58	-
Legal services	81	16.40	16.69	17.09	17.13	-	567.44	594.16	593.02	592.70	-
Social services	83	8.46	8.52	8.73	8.73	-	261.41	268.38	270.63	271.50	-
Individual and family services	832	8.97	9.07	9.26	9.25	-	277.17	285.71	287.99	288.60	-
Job training and related services	833	8.17	8.22	8.50	8.47	-	251.64	256.46	263.50	263.42	-
Child day care services	835	7.28	7.22	7.48	7.50	-	216.94	219.49	222.90	224.25	-
Residential care	836	8.64	8.64	8.87	8.88	-	273.89	280.80	282.07	282.38	-
Social services, nec	839	10.11	10.48	10.50	10.59	-	318.47	325.93	331.80	336.76	-
Membership organizations:											
Professional organizations	862	16.38	16.61	17.19	17.19	-	565.11	587.99	599.93	599.93	-
Engineering and management services	87	16.17	16.35	16.92	16.96	-	596.67	614.76	637.88	629.22	-
Engineering and architectural services	871	17.80	17.83	18.80	18.72	-	694.20	709.63	738.84	735.70	-
Engineering services	8711	18.47	18.50	19.65	19.57	-	725.87	741.85	780.11	776.93	-
Architectural services	8712	16.30	16.37	16.82	16.72	-	616.14	636.79	647.57	640.38	-
Surveying services	8713	13.01	13.04	13.30	13.35	-	498.28	496.82	500.08	505.97	-
Accounting, auditing, and bookkeeping	872	14.05	14.29	14.37	14.49	-	502.99	518.73	558.99	517.29	-
Research and testing services	873	17.00	17.27	17.73	17.54	-	615.40	638.99	647.15	645.47	-
Commercial physical research	8731	19.28	19.66	19.79	19.68	-	761.56	792.30	789.62	787.20	-
Commercial nonphysical research	8732	12.74	13.34	13.67	13.47	-	384.75	412.21	419.67	420.26	-
Noncommercial research organizations	8733	19.62	19.68	20.89	20.75	-	696.51	722.26	764.57	759.45	-
Management and public relations	874	15.03	15.26	16.04	16.05	-	538.07	558.52	577.44	576.20	-
Management services	8741	13.42	13.60	14.49	14.56	-	475.07	485.52	510.05	509.60	-
Management consulting services	8742	17.31	17.59	18.09	18.15	-	611.04	638.52	658.48	658.85	-
Public relations services	8743	14.50	14.77	14.69	14.69	-	507.50	519.90	506.81	514.15	-
Services, nec	89	15.69	16.28	16.85	16.80	-	564.84	600.73	599.86	593.04	-

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 B-15a 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 \$253.7 million or more in 1993 and to Amtrak.

⁴ Money payments only; tips, not included.

⁵ Excludes nonoffice commissioned real estate sales agents.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1996 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 bargaining agreement using lump-sum payments, were published in the June 1988 issue of *Employment and Earnings*. Current and year earlier data are presented in table B-15a 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.

B-15a. 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)			
	Apr. 1996	May 1996	Apr. 1997	May 1997 ^P	Apr. 1996	May 1996	Apr. 1997	May 1997 ^P
Average hourly earnings, excluding lump-sum payments	\$20.28	\$20.30	\$20.65	\$20.50	\$19.15	\$19.12	\$20.53	\$20.53
Average hourly earnings, including lump-sum payments	20.61	20.58	21.02	20.81	19.15	19.12	20.53	20.53

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

B-16. Average hourly earnings, excluding overtime,¹ of production workers on manufacturing payrolls

Industry	May 1996	June 1996	Apr. 1997	May 1997 ^p	June 1997 ^p
Manufacturing	\$12.08	\$12.10	\$12.40	\$12.40	\$12.42
Durable goods	12.58	12.61	12.88	12.89	12.92
Lumber and wood products	9.83	9.91	10.11	10.15	(9)
Furniture and fixtures	9.74	9.74	10.04	10.07	(9)
Stone, clay, and glass products	11.93	11.96	12.25	12.24	(9)
Primary metal industries	13.86	13.92	14.12	14.08	(9)
Fabricated metal products	11.82	11.85	12.10	12.11	(9)
Industrial machinery and equipment	12.76	12.80	13.12	13.11	(9)
Electronic and other electrical equipment	11.58	11.64	11.98	12.00	(9)
Transportation equipment	16.06	16.12	16.29	16.30	(9)
Instruments and related products	12.52	12.54	12.88	12.95	(9)
Miscellaneous manufacturing	9.99	9.97	10.14	10.12	(9)
Nondurable goods	11.35	11.35	11.68	11.67	\$11.67
Food and kindred products	10.61	10.61	10.86	10.84	(9)
Tobacco products	19.79	20.02	19.68	20.06	(9)
Textile mill products	9.16	9.17	9.43	9.43	(9)
Apparel and other textile products	7.73	7.76	8.00	8.02	(9)
Paper and allied products	13.78	13.79	14.11	14.11	(9)
Printing and publishing	12.11	12.11	12.46	12.41	(9)
Chemicals and allied products	15.21	15.24	15.53	15.59	(9)
Petroleum and coal products	17.81	17.65	18.68	18.68	(9)
Rubber and misc. plastics products	10.66	10.60	10.95	10.92	(9)
Leather and leather products	8.23	8.25	8.64	8.67	(9)

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 1996 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1996 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

B-17. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, in current and constant (1982) dollars

Industry	Average hourly earnings					Average weekly earnings				
	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P	May 1996	June 1996	Apr. 1997	May 1997 ^P	June 1997 ^P
Total private:										
Current dollars	\$11.72	\$11.75	\$12.17	\$12.16	\$12.16	\$402.00	\$410.08	\$418.65	\$419.52	\$424.38
Constant (1982) dollars	7.38	7.39	7.50	7.50	(²)	252.99	257.91	258.11	258.64	(²)
Mining:										
Current dollars	15.44	15.58	16.05	16.00	\$16.19	697.89	716.68	723.86	734.40	\$739.88
Constant (1982) dollars	9.72	9.80	9.90	9.86	(²)	439.20	450.74	446.28	452.77	(²)
Construction:										
Current dollars	15.29	15.34	15.75	15.83	\$15.86	594.78	607.46	609.53	628.45	\$626.47
Constant (1982) dollars	9.62	9.65	9.71	9.76	(²)	374.31	382.05	375.79	387.45	(²)
Manufacturing:										
Current dollars	12.71	12.75	13.09	13.09	\$13.11	528.74	534.23	547.16	548.47	\$550.62
Constant (1982) dollars	8.00	8.02	8.07	8.07	(²)	332.75	335.99	337.34	338.14	(²)
Transportation and public utilities:										
Current dollars	14.34	14.40	14.77	14.73	\$14.72	562.13	577.44	578.98	578.89	\$582.91
Constant (1982) dollars	9.02	9.06	9.11	9.08	(²)	353.76	363.17	356.95	356.90	(²)
Wholesale trade:										
Current dollars	12.75	12.88	13.33	13.29	\$13.32	487.05	499.74	510.54	511.67	\$518.15
Constant (1982) dollars	8.02	8.10	8.22	8.19	(²)	306.51	314.30	314.76	315.46	(²)
Retail trade:										
Current dollars	7.92	7.98	8.28	8.27	\$8.27	227.30	234.61	236.81	239.00	\$243.97
Constant (1982) dollars	4.98	5.02	5.10	5.10	(²)	143.05	147.55	146.00	147.35	(²)
Finance, insurance, and real estate:										
Current dollars	12.74	12.75	13.09	13.16	\$13.20	453.54	465.38	469.93	472.44	\$485.76
Constant (1982) dollars	8.02	8.02	8.07	8.11	(²)	285.42	292.69	289.72	291.27	(²)
Services:										
Current dollars	11.67	11.66	12.20	12.16	\$12.14	375.77	382.45	395.28	393.98	\$398.19
Constant (1982) dollars	7.34	7.33	7.52	7.50	(²)	236.48	240.53	243.70	242.90	(²)

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

² Not available.
^P = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1996 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1996 forward are subject to revision.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected area

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Alabama	41.2	41.3	41.7	\$11.53	\$11.75	\$11.78	\$475.04	\$485.28	\$491.23
Birmingham	41.8	42.1	42.8	12.47	12.50	12.53	521.25	526.25	533.78
Mobile	43.0	43.5	43.4	13.45	13.77	13.84	578.35	599.00	600.66
Alaska	45.3	42.7	43.0	11.51	11.36	11.86	521.40	485.07	509.98
Arizona	43.2	41.6	41.5	11.48	11.68	11.73	495.94	485.89	486.80
Arkansas	41.0	40.9	41.4	10.36	10.69	10.71	424.76	437.22	443.39
Fayetteville-Springdale-Rogers	40.1	40.4	41.6	9.83	10.36	10.26	394.18	418.54	426.82
Fort Smith	42.2	39.0	41.1	10.31	10.61	10.63	435.08	413.79	436.89
Little Rock-North Little Rock	41.4	41.8	42.2	11.02	11.45	11.57	456.23	478.61	488.25
Pine Bluff	43.1	41.5	40.7	11.73	12.31	12.35	505.56	510.87	502.65
California	41.1	41.6	41.6	12.73	13.10	13.13	523.20	544.96	546.21
Bakersfield	41.1	41.4	41.4	13.40	13.58	13.60	550.74	562.21	563.04
Fresno	40.8	40.7	40.8	11.11	11.80	11.80	451.07	480.26	481.44
Los Angeles-Long Beach	41.7	42.3	42.2	11.91	12.28	12.33	496.65	518.60	520.33
Modesto	41.2	42.8	42.3	12.71	13.44	13.54	523.65	572.54	572.74
Oakland	42.4	42.0	42.0	15.39	15.62	15.80	652.54	658.04	655.20
Orange County	42.2	42.5	43.0	12.72	12.82	12.83	536.78	544.85	551.69
Riverside-San Bernardino	41.5	41.5	41.7	11.56	11.84	11.87	479.74	491.36	494.98
Sacramento	40.7	41.1	41.2	13.72	14.13	14.08	558.40	580.74	580.10
Salinas	38.3	37.7	39.4	13.44	13.99	13.78	514.75	527.42	542.14
San Diego	39.3	39.8	39.4	12.70	13.20	13.24	499.11	525.36	521.66
San Francisco	40.5	40.8	40.7	13.84	14.20	14.28	580.52	576.52	581.20
San Jose	40.5	41.5	41.6	15.68	18.34	16.42	635.04	678.11	683.07
Santa Barbara-Santa Maria-Lompoc	43.4	40.8	41.5	12.76	13.57	13.39	553.78	553.66	555.89
Santa Rosa	38.9	39.9	39.8	14.42	14.85	14.88	580.94	592.52	589.25
Stockton-Lodi	43.1	42.5	42.4	12.93	13.17	13.17	557.28	559.73	558.41
Vallejo-Fairfield-Napa	40.5	41.0	41.3	14.81	15.30	15.17	591.71	627.30	626.52
Ventura	41.8	41.6	41.8	12.29	12.31	12.46	513.72	512.10	520.83
Colorado	40.8	41.3	41.4	12.71	13.27	13.34	518.57	546.05	552.28
Denver	40.8	40.5	40.7	12.70	13.12	13.08	515.62	531.36	532.36
Connecticut	42.7	42.5	42.5	13.88	14.30	14.38	592.68	607.75	610.30
Bridgeport	42.0	42.4	42.6	14.49	14.95	15.11	608.58	633.88	643.69
Danbury	46.1	43.5	43.5	14.22	14.87	14.84	655.54	648.65	645.54
Hartford	42.6	43.1	43.0	14.35	15.24	15.20	611.31	658.84	653.80
New Haven-Meriden	41.2	42.3	42.8	13.23	14.20	14.10	545.08	600.66	603.48
New London-Norwich	42.5	43.0	42.0	14.58	14.70	14.79	619.65	632.10	621.18
Stamford-Norwalk	40.5	40.9	40.7	14.05	13.64	13.86	569.03	557.88	564.10
Waterbury	43.3	44.8	44.1	13.05	13.51	13.54	585.07	602.55	597.11
Delaware	40.6	41.4	42.0	14.20	14.75	14.86	576.52	610.65	624.12
Dover	40.2	40.4	40.4	12.93	13.44	13.51	519.79	542.98	545.80
Wilmington-Newark	41.3	43.5	44.2	17.00	17.84	17.88	702.10	776.04	790.30
District of Columbia:									
Washington PMSA	39.0	38.9	38.7	13.84	14.05	13.96	531.96	546.55	540.25
Florida	41.2	41.1	41.4	10.44	10.79	10.71	430.13	443.47	443.39
Georgia	42.2	42.5	42.4	11.10	11.55	11.53	468.42	490.88	488.67
Atlanta	42.4	42.8	42.6	11.88	12.53	12.54	503.71	536.28	534.20
Savannah	49.2	46.6	45.8	14.08	13.90	13.80	692.74	647.74	632.04
Hawaii	38.3	38.2	37.1	12.79	13.40	12.96	489.88	511.88	480.82
Honolulu	38.9	39.3	38.7	12.95	13.41	12.89	503.76	527.01	498.84
Idaho	41.3	39.5	39.8	11.77	12.74	12.02	486.10	503.23	478.40
Illinois	41.6	42.4	42.3	12.99	13.34	13.35	540.38	565.62	564.71
Bloomington-Normal	40.6	40.3	40.3	16.80	18.93	16.84	682.08	682.28	678.65
Champaign-Urbana	40.6	41.4	41.1	10.75	10.85	10.89	436.45	449.19	447.58
Chicago	41.6	42.3	42.5	12.91	13.21	13.27	539.84	558.78	563.98
Davenport-Moline-Rock Island	41.9	42.2	42.5	14.85	15.22	15.33	622.22	642.28	651.53
Decatur	41.6	43.0	42.5	15.96	16.50	16.60	663.94	709.50	705.50
Kankakee	40.9	43.0	42.0	13.95	14.40	14.20	570.56	619.20	596.40
Peoria-Pekin	40.9	43.2	42.7	16.26	16.52	16.37	665.03	713.66	699.00
Rockford	42.5	42.9	42.7	14.99	15.13	15.10	637.08	649.08	644.77
Springfield	40.9	42.4	41.5	11.58	11.97	12.00	473.62	507.53	498.00

See footnotes at end of table.

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

B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected area — Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
Indiana	42.8	43.1	42.6	\$14.23	\$14.69	\$14.58	\$809.04	\$633.14	\$621.11
Bloomington	38.5	40.2	40.7	11.49	13.22	13.16	442.37	531.44	535.61
Elkhart-Goshen	39.8	39.8	40.1	11.93	12.27	12.30	474.81	488.35	493.23
Evansville-Henderson	41.8	43.3	43.3	13.20	14.51	14.45	551.76	628.28	625.69
Fort Wayne	42.3	41.6	41.5	14.46	14.60	14.59	611.86	607.36	605.49
Gary	42.1	42.4	41.6	18.61	18.39	18.44	783.48	779.74	787.10
Indianapolis	44.7	44.4	44.4	16.07	15.71	15.75	718.33	697.52	699.30
Kokomo	56.6	48.8	44.3	19.10	18.56	18.65	1081.06	905.73	826.20
Lafayette	42.7	43.5	44.5	14.69	14.66	14.90	627.28	846.41	863.05
Muncie	42.9	43.8	43.9	14.46	14.39	14.40	620.33	827.40	832.16
South Bend	43.5	41.7	41.8	12.13	13.14	12.97	527.66	547.94	542.15
Terre Haute	42.5	42.8	43.4	14.06	14.64	14.20	597.55	628.59	616.28
Iowa	41.9	42.2	42.8	13.04	13.50	13.49	546.38	569.70	577.37
Cedar Rapids	41.7	43.3	42.9	15.47	16.20	16.43	645.10	701.46	704.85
Des Moines	41.3	43.0	43.7	13.87	13.56	13.36	572.83	583.94	583.83
Dubuque	41.5	41.4	41.7	14.05	14.84	15.19	583.08	614.38	633.42
Sioux City	39.4	39.3	39.1	10.59	10.99	11.23	417.25	431.91	439.09
Kansas	42.0	42.2	42.3	12.73	13.44	13.27	534.86	567.17	561.32
Topeka	42.1	41.1	37.5	14.14	14.51	13.10	595.29	596.36	491.25
Wichita	43.5	44.0	43.9	14.75	15.63	15.60	641.63	687.72	684.84
Kentucky	41.2	41.6	41.4	12.84	13.23	13.22	520.77	550.37	547.31
Lexington	42.8	43.1	42.8	13.80	13.80	13.70	587.88	594.76	586.36
Louisville	40.9	41.5	41.1	14.02	14.67	14.70	573.42	608.81	604.17
Louisiana	44.5	43.8	44.1	13.69	13.94	13.94	609.21	610.57	614.75
Baton Rouge	43.7	42.1	42.2	16.29	16.16	16.13	711.87	680.34	680.69
New Orleans	44.2	44.4	45.4	14.05	14.14	14.11	621.01	627.82	840.59
Shreveport-Bossier City	43.0	42.6	42.0	14.05	13.90	12.69	604.15	592.14	532.98
Maine	40.1	40.6	41.0	12.56	13.15	13.03	503.86	536.52	534.23
Lewiston-Auburn	38.7	42.5	40.3	10.93	11.16	11.25	422.99	474.30	453.37
Portland	38.0	38.4	37.4	11.20	11.00	10.97	425.60	400.40	410.28
Maryland	41.5	41.0	41.4	13.58	14.16	14.11	563.57	580.56	564.15
Baltimore PMSA	42.3	41.3	41.6	14.35	14.84	14.71	607.01	612.69	611.94
Massachusetts	42.0	42.4	42.4	13.00	13.34	13.30	546.00	585.62	583.92
Boston	41.7	42.1	41.9	13.91	14.43	14.47	580.05	607.50	608.29
Springfield	42.2	41.9	42.8	12.47	12.85	12.80	526.23	538.42	547.84
Worcester	42.2	43.2	43.7	12.88	13.43	13.35	543.54	580.18	583.40
Michigan	44.6	44.8	44.3	16.77	17.00	16.89	747.94	756.20	746.23
Ann Arbor	45.8	46.2	45.6	17.58	17.68	17.65	804.25	818.82	817.53
Detroit	46.1	45.8	45.5	18.27	18.56	18.42	842.25	850.05	838.11
Flint	48.2	47.4	46.5	21.80	22.14	21.87	1050.76	1049.44	1016.95
Grand Rapids-Muskegon-Holland	41.6	42.2	41.9	14.22	14.62	14.47	591.55	616.96	608.29
Jackson	41.4	41.2	41.6	12.49	13.07	12.97	517.09	536.48	539.55
Kalamazoo-Battle Creek	43.6	44.2	45.5	15.80	15.37	15.17	692.04	679.35	690.23
Lansing East Lansing	45.8	44.8	44.1	18.21	18.29	18.12	834.02	819.39	799.09
Saginaw-Bay City-Midland	48.0	46.6	46.9	19.74	20.43	20.16	947.52	892.90	945.50
Minnesota	41.1	41.1	40.9	13.14	13.64	13.62	540.05	560.60	557.06
Duluth-Superior	39.2	39.1	37.8	11.15	12.15	12.08	437.08	475.07	456.62
Minneapolis-St. Paul	41.3	41.1	41.2	14.04	14.52	14.41	579.85	596.77	593.69
St. Cloud	41.3	41.7	41.3	12.00	12.74	12.60	495.80	531.26	520.36
Mississippi	40.8	41.1	40.6	10.15	10.42	10.36	414.12	428.26	423.50
Jackson	41.5	41.9	41.4	11.31	11.90	11.71	469.37	498.81	484.79
Missouri	41.6	41.0	41.4	12.54	12.76	12.95	521.66	523.16	536.13
Kansas City	43.4	43.2	43.5	14.13	14.21	14.36	813.24	813.87	824.66
St. Louis	42.7	42.6	43.2	15.12	14.88	14.97	645.82	633.69	646.70
Springfield	40.3	39.4	40.7	10.57	11.01	11.18	425.97	433.79	455.03
Montana	38.3	39.7	39.5	12.70	13.16	13.16	486.41	522.45	519.82
Nebraska	41.9	40.2	40.6	11.38	12.05	11.99	476.82	484.41	486.79
Lincoln	43.7	45.1	40.6	12.98	13.70	13.15	567.23	617.87	533.89
Omaha	41.2	41.5	41.2	12.43	13.28	13.42	512.12	551.12	552.90
Nevada	40.3	42.9	43.5	13.77	14.63	14.04	554.93	627.63	610.74
Las Vegas	38.9	41.5	41.5	13.96	15.83	15.10	543.04	656.95	626.65

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected area — Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P	May 1996	Apr. 1997	May 1997P
New Hampshire	41.7	42.5	42.3	\$12.13	\$12.34	\$12.51	\$505.82	\$524.45	\$529.17
Manchester	41.1	41.7	41.0	12.73	13.63	13.97	523.20	568.37	572.77
Nashua	41.5	41.6	41.4	14.75	14.49	14.70	612.13	602.78	608.58
Portsmouth-Rochester	40.0	42.7	42.3	11.93	11.43	11.68	477.20	488.06	494.06
New Jersey	42.1	41.8	41.8	13.67	14.16	14.16	575.51	591.89	591.89
New Mexico	39.9	40.1	40.0	11.14	11.31	11.34	444.49	453.53	453.60
Albuquerque	40.2	40.8	41.1	11.35	12.52	12.50	456.27	510.82	513.75
New York	41.0	41.1	41.2	12.76	13.13	13.12	523.16	539.64	540.54
Albany-Schenectady-Troy	40.3	41.2	42.3	13.92	14.55	14.44	560.98	599.46	610.81
Binghamton	41.7	40.8	40.4	10.17	10.44	10.70	424.09	425.95	432.28
Buffalo-Niagara Falls	43.7	43.3	43.7	16.28	16.42	16.48	711.44	710.99	720.18
Dutchess County	38.8	38.5	37.9	11.57	11.82	11.75	448.92	455.07	445.33
Elmira	41.7	41.5	41.9	11.89	12.04	12.09	495.81	499.66	506.57
Nassau-Suffolk	39.4	40.3	40.2	11.90	12.13	12.28	468.86	488.84	493.66
New York PMSA	38.9	38.7	38.8	11.54	11.89	11.86	448.91	460.14	460.17
New York City	38.6	38.3	38.4	11.24	11.67	11.65	433.86	446.96	447.36
Newburgh	39.7	37.9	42.0	11.63	11.24	11.64	461.71	426.00	488.88
Rochester	43.2	43.5	43.3	14.05	14.75	14.75	606.96	641.63	638.68
Rockland County	42.1	42.5	43.6	14.75	15.45	15.25	620.98	656.63	664.90
Syracuse	43.6	43.3	42.9	13.88	14.42	14.17	605.17	624.39	607.89
Utica-Rome	40.3	40.2	41.1	11.48	11.47	11.55	462.84	461.09	474.71
Westchester County	41.9	40.8	41.0	11.97	12.30	12.30	501.54	501.84	504.30
North Carolina	40.4	41.0	40.9	10.87	11.31	11.33	439.15	463.71	463.40
Asheville	41.2	41.3	41.7	10.42	10.99	10.94	429.30	453.89	456.20
Charlotte-Gastonia-Rock Hill	40.5	41.0	40.8	11.62	12.24	12.24	470.81	501.84	499.39
Greensboro-Winston-Salem-High Point	40.1	40.5	40.1	11.13	11.55	11.84	446.31	467.78	468.76
Raleigh-Durham-Chapel Hill	41.9	41.7	41.7	11.74	12.34	12.37	491.91	514.58	515.83
North Dakota	43.7	38.4	41.4	11.00	11.32	11.14	480.70	434.69	461.20
Fargo-Moorhead	41.4	38.1	42.0	11.24	11.42	11.19	465.34	435.10	469.98
Ohio	43.4	43.7	43.3	14.69	15.03	15.02	637.55	656.81	650.37
Akron	42.8	42.7	42.6	12.18	12.63	12.58	521.30	539.30	535.91
Canton-Massillon	40.6	41.3	41.7	13.05	13.30	13.38	529.83	549.29	557.95
Cincinnati	42.4	42.9	43.1	14.05	14.23	14.37	595.72	610.47	619.35
Cleveland-Lorain-Elyria	43.1	43.9	44.0	14.67	15.02	15.03	632.28	659.38	661.32
Columbus	41.9	42.3	42.1	13.47	14.20	14.15	564.39	600.66	595.72
Dayton-Springfield	45.9	45.2	44.7	16.00	16.18	16.09	734.40	731.34	719.22
Hamilton-Middletown	46.1	45.7	45.0	16.19	16.58	16.79	746.36	757.71	755.55
Lima	42.8	43.9	44.5	15.14	15.83	16.09	647.99	694.94	716.01
Mansfield	43.5	44.4	43.0	15.90	15.93	15.53	691.65	707.29	667.79
Steubenville-Weirton	42.7	42.3	43.5	16.89	15.94	15.76	721.20	674.26	685.56
Toledo	44.4	45.2	44.6	16.36	16.67	16.58	726.38	753.48	739.47
Youngstown-Warren	43.4	43.9	41.6	15.92	16.27	16.16	690.93	714.25	672.26
Oklahoma	42.2	41.7	41.5	11.75	11.76	11.75	495.85	490.39	487.63
Oklahoma City	43.4	42.2	41.9	13.09	12.15	12.22	568.11	512.73	512.02
Tulsa	41.2	42.3	41.5	12.66	12.75	12.65	521.59	539.33	524.98
Oregon	40.1	40.8	41.2	12.88	13.28	13.37	516.49	539.17	550.84
Eugene-Springfield	40.3	40.4	39.9	12.87	12.68	12.65	518.66	512.27	512.72
Medford-Ashland	40.5	39.7	40.7	11.93	12.02	12.31	483.17	477.19	501.02
Portland-Vancouver	40.0	40.8	42.1	12.88	13.16	13.18	515.20	538.93	554.88
Salem	38.9	39.8	40.5	11.69	11.48	11.79	454.74	456.90	477.50
Pennsylvania	41.4	41.8	41.9	13.26	13.66	13.64	548.96	570.99	571.52
Allentown-Bethlehem-Easton	41.0	41.4	41.9	13.37	13.62	13.71	548.17	563.87	574.45
Alltoona	39.5	40.7	40.5	11.39	11.32	11.49	449.91	460.72	465.35
Erie	43.2	44.1	43.9	13.42	13.78	13.79	579.74	606.82	605.38
Harrisburg-Lebanon-Carlisle	39.2	39.7	39.6	12.57	13.10	13.07	492.74	520.07	517.57
Johnstown	39.8	39.8	39.0	9.92	10.09	10.21	394.82	401.58	398.19
Lancaster	40.5	40.1	40.3	12.98	12.97	13.04	525.69	520.10	525.51
Philadelphia PMSA	40.6	41.3	41.6	14.22	14.61	14.59	577.33	603.39	606.94
Pittsburgh	42.3	42.1	42.6	14.37	14.74	14.69	607.85	620.55	625.79
Reading	41.7	42.8	42.4	14.30	14.97	14.93	596.31	640.72	633.03
Scranton-Wilkes-Barre-Hazleton	40.4	40.8	41.0	11.93	12.36	12.21	481.97	504.29	500.61
Sharon	41.1	44.1	42.6	13.96	14.33	14.40	573.76	631.95	613.44
State College	42.5	42.0	42.8	11.42	11.85	11.71	465.35	497.70	501.19
Williamsport	41.4	40.3	40.4	10.95	11.02	11.01	453.33	444.11	444.80
York	41.3	42.3	42.8	13.22	13.83	13.94	545.99	585.01	596.63

See footnotes at end of table.

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

B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected area — Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
Rhode Island	39.9	41.0	40.9	\$10.91	\$11.20	\$11.24	\$435.31	\$459.20	\$459.72
Providence-Fall River-Warwick	39.9	41.2	41.1	11.02	11.35	11.35	439.70	467.62	466.49
South Carolina	41.7	42.1	42.0	10.23	10.33	10.33	426.59	434.89	433.86
South Dakota	41.4	41.9	41.9	9.50	9.94	9.96	393.30	416.49	417.32
Rapid City	40.2	40.4	40.4	9.50	9.71	9.73	381.90	392.28	393.09
Sioux Falls	42.0	41.7	41.7	9.91	10.28	10.30	416.22	428.68	429.51
Tennessee	40.2	41.0	40.8	11.19	11.62	11.68	449.84	476.42	476.54
Chattanooga	41.9	42.7	42.5	10.83	10.81	10.68	453.78	461.59	453.90
Johnson City-Kingsport-Bristol	39.6	39.5	39.3	11.90	12.51	12.51	471.24	494.15	491.64
Knoxville	39.5	40.7	40.8	10.83	10.88	10.97	427.79	442.82	447.58
Memphis	41.2	42.2	42.5	11.63	11.98	11.86	479.16	505.56	504.05
Nashville	40.0	40.7	40.3	11.74	12.34	12.39	469.60	502.24	499.32
Texas	42.7	43.2	43.3	11.75	12.02	12.05	501.73	519.26	521.77
Dallas	43.5	43.8	43.6	11.43	12.10	12.25	497.21	529.98	534.10
Ft. Worth-Arlington	42.5	43.2	43.3	12.36	12.73	12.75	525.30	549.94	552.08
Houston	43.8	44.8	44.9	13.98	13.80	13.77	612.32	618.24	618.27
San Antonio	40.8	41.1	40.4	9.42	9.58	9.66	384.34	393.74	390.26
Utah	39.9	39.8	40.7	12.02	12.57	12.42	479.60	500.29	505.49
Salt Lake City-Ogden	40.0	40.6	41.1	12.15	12.32	12.14	486.00	500.19	498.95
Vermont	40.1	40.3	40.4	12.37	12.65	12.65	496.04	509.80	511.06
Burlington	43.6	43.1	43.7	12.46	13.07	12.89	543.26	563.32	563.29
Virginia	41.7	41.9	42.1	12.01	12.34	12.39	500.82	517.05	521.62
Bristol	42.0	41.7	41.4	10.12	10.55	10.72	425.04	439.94	443.81
Charlottesville	42.4	39.6	43.1	10.17	10.05	10.02	431.21	397.98	431.86
Danville	41.8	43.8	44.8	11.24	12.44	12.44	469.83	544.87	557.31
Lynchburg	39.9	41.7	41.3	11.69	12.05	11.47	466.43	502.49	473.71
Northern Virginia	40.4	41.0	41.5	12.34	12.88	12.44	498.54	519.86	516.26
Richmond-Petersburg	44.2	42.5	42.9	15.92	15.69	15.74	703.66	666.83	675.25
Roanoke	40.5	38.7	39.5	13.25	14.23	14.43	536.83	550.70	569.99
Washington	40.9	39.8	40.4	14.50	15.05	14.93	593.05	598.99	603.17
West Virginia	40.9	41.6	41.7	12.80	13.16	13.18	523.52	547.46	549.61
Charleston	47.0	46.7	46.5	14.28	14.51	14.86	671.16	677.62	690.99
Huntington-Ashland	41.6	42.5	41.5	14.20	14.33	14.54	590.72	609.03	603.41
Parkersburg-Marietta	42.5	44.4	42.8	15.99	17.32	16.80	679.58	769.01	719.04
Wheeling	39.6	41.6	41.9	16.34	14.38	14.30	647.08	598.21	599.17
Wisconsin	41.9	42.2	42.3	13.06	13.59	13.58	547.21	573.50	574.43
Appleton-Oshkosh-Neenah	44.2	43.8	43.8	14.13	14.81	14.66	624.55	639.92	642.11
Eau Claire	46.5	42.8	41.9	13.01	12.71	12.72	604.97	541.45	532.97
Green Bay	43.6	42.7	42.2	14.08	14.60	14.62	613.89	623.42	616.96
Janesville-Beloit	45.8	45.5	45.1	16.97	17.85	17.60	777.23	812.18	793.76
Kenosha	39.7	39.4	38.2	13.79	14.60	14.13	547.46	575.24	539.77
La Crosse	41.9	41.4	41.9	11.06	11.79	11.68	463.41	488.11	489.39
Madison	40.5	41.5	40.7	12.33	12.58	12.80	499.37	522.07	520.96
Milwaukee-Waukesha	41.8	42.2	42.0	14.15	14.92	14.92	591.47	629.62	626.64
Racine	41.0	41.9	42.5	13.41	13.90	13.88	549.81	582.41	589.90
Sheboygan	42.8	42.9	42.2	12.96	13.02	12.95	554.69	558.56	546.49
Wausau	41.9	43.0	43.5	12.58	13.05	13.03	527.10	561.15	566.81
Wyoming	39.8	39.9	40.6	13.11	14.34	14.47	521.78	572.17	587.48
Puerto Rico	39.0	39.6	39.6	7.45	7.92	8.01	290.55	313.63	317.20
Virgin Islands	41.6	41.8	42.1	16.64	17.99	17.94	692.22	751.98	755.27

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 1996 benchmarks.

**HOUSEHOLD DATA
REGIONS AND DIVISIONS
SEASONALLY ADJUSTED**

C-1. Employment status of the civilian population for census regions and divisions, seasonally adjusted¹

(Numbers in thousands)

Census region and division	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June
NORTHEAST													
Civilian noninstitutional population ²	39,739	39,746	39,754	39,766	39,780	39,788	39,794	39,798	39,788	39,783	39,784	39,784	39,788
Civilian labor force	25,675	25,723	25,779	25,829	25,827	25,859	25,844	26,120	26,155	26,046	26,137	26,279	26,243
Employed	24,255	24,279	24,434	24,452	24,432	24,442	24,413	24,610	24,698	24,610	24,720	24,820	24,755
Unemployed	1,420	1,444	1,345	1,377	1,394	1,417	1,431	1,510	1,458	1,436	1,417	1,459	1,488
Unemployment rate	5.5	5.6	5.2	5.3	5.4	5.5	5.5	5.8	5.6	5.5	5.4	5.6	5.7
New England													
Civilian noninstitutional population ²	10,307	10,313	10,318	10,323	10,329	10,333	10,339	10,342	10,341	10,343	10,346	10,348	10,353
Civilian labor force	7,045	6,953	7,000	7,072	7,059	7,077	7,047	7,113	7,056	7,111	7,225	7,203	7,246
Employed	6,702	6,633	6,708	6,739	6,727	6,753	6,705	6,774	6,758	6,780	6,875	6,824	6,907
Unemployed	343	320	291	332	333	324	342	339	298	331	349	379	338
Unemployment rate	4.9	4.6	4.2	4.7	4.7	4.6	4.9	4.8	4.2	4.7	4.8	5.3	4.7
Middle Atlantic													
Civilian noninstitutional population ²	29,432	29,433	29,436	29,443	29,451	29,455	29,455	29,456	29,447	29,440	29,438	29,436	29,435
Civilian labor force	18,630	18,770	18,779	18,758	18,768	18,783	18,797	19,008	19,099	18,935	18,912	19,076	18,998
Employed	17,553	17,646	17,725	17,713	17,706	17,690	17,709	17,836	17,939	17,830	17,844	17,996	17,848
Unemployed	1,077	1,124	1,054	1,045	1,062	1,093	1,089	1,171	1,160	1,105	1,068	1,080	1,150
Unemployment rate	5.8	6.0	5.6	5.6	5.7	5.8	5.8	6.2	6.1	5.8	5.6	5.7	6.1
SOUTH													
Civilian noninstitutional population ²	70,508	70,591	70,680	70,778	70,878	70,963	71,046	71,129	71,187	71,250	71,328	71,404	71,482
Civilian labor force	46,275	46,572	46,495	46,742	47,040	46,960	47,135	47,096	47,108	47,450	47,082	47,311	47,253
Employed	43,904	44,142	44,184	44,360	44,580	44,447	44,700	44,726	44,522	44,900	44,871	44,965	44,835
Unemployed	2,370	2,430	2,311	2,382	2,461	2,513	2,436	2,371	2,586	2,550	2,211	2,346	2,418
Unemployment rate	5.1	5.2	5.0	5.1	5.2	5.4	5.2	5.0	5.5	5.4	4.7	5.0	5.1
South Atlantic													
Civilian noninstitutional population ²	36,419	36,461	36,504	36,555	36,604	36,647	36,689	36,731	36,759	36,790	36,829	36,867	36,905
Civilian labor force	23,964	24,103	24,071	24,068	24,176	24,142	24,214	24,335	24,157	24,451	24,346	24,509	24,588
Employed	22,791	22,883	22,911	22,879	22,997	22,987	23,017	23,155	22,889	23,266	23,217	23,384	23,423
Unemployed	1,174	1,221	1,161	1,190	1,179	1,155	1,197	1,181	1,268	1,185	1,129	1,125	1,166
Unemployment rate	4.9	5.1	4.8	4.9	4.9	4.8	4.9	4.9	5.2	4.8	4.6	4.6	4.7
East South Central													
Civilian noninstitutional population ²	12,393	12,407	12,422	12,436	12,453	12,466	12,478	12,492	12,501	12,509	12,522	12,533	12,546
Civilian labor force	7,882	8,015	7,954	8,020	8,123	8,103	8,133	8,051	8,135	8,177	8,134	8,004	8,000
Employed	7,492	7,596	7,608	7,609	7,612	7,582	7,673	7,590	7,686	7,713	7,745	7,622	7,566
Unemployed	390	420	346	411	510	520	460	461	448	464	389	382	433
Unemployment rate	5.0	5.2	4.4	5.1	6.3	6.4	5.7	5.7	5.5	5.7	4.8	4.8	5.4
West South Central													
Civilian noninstitutional population ²	21,696	21,723	21,754	21,787	21,821	21,850	21,879	21,907	21,928	21,952	21,978	22,003	22,031
Civilian labor force	14,428	14,453	14,470	14,654	14,742	14,716	14,789	14,710	14,816	14,822	14,603	14,798	14,665
Employed	13,622	13,663	13,666	13,872	13,971	13,878	14,009	13,982	13,947	13,921	13,909	13,959	13,846
Unemployed	806	790	804	781	772	838	779	729	869	901	694	839	820
Unemployment rate	5.6	5.5	5.6	5.3	5.2	5.7	5.3	5.0	5.9	6.1	4.8	5.7	5.6

See footnotes at end of table.

**HOUSEHOLD DATA
REGIONS AND DIVISIONS
SEASONALLY ADJUSTED**

C-1. Employment status of the civilian population for census regions and divisions, seasonally adjusted¹—Continued

(Numbers in thousands)

Census region and division	1996							1997					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June
MIDWEST													
Civilian noninstitutional population ²	46,851	46,879	46,915	46,951	46,992	47,025	47,054	47,085	47,098	47,115	47,139	47,164	47,190
Civilian labor force	32,690	32,757	32,650	32,644	32,690	32,778	32,723	32,588	32,593	32,727	32,730	32,701	32,871
Employed	31,210	31,234	31,201	31,187	31,248	31,267	31,245	31,157	31,202	31,417	31,375	31,506	31,607
Unemployed	1,480	1,523	1,449	1,456	1,442	1,512	1,478	1,431	1,391	1,310	1,354	1,195	1,264
Unemployment rate	4.5	4.6	4.4	4.5	4.4	4.6	4.5	4.4	4.3	4.0	4.1	3.7	3.8
East North Central													
Civilian noninstitutional population ²	32,994	33,013	33,035	33,059	33,086	33,107	33,126	33,145	33,152	33,162	33,177	33,192	33,208
Civilian labor force	22,591	22,607	22,536	22,506	22,561	22,634	22,613	22,576	22,588	22,737	22,659	22,579	22,733
Employed	21,516	21,529	21,494	21,438	21,521	21,579	21,529	21,557	21,560	21,742	21,671	21,726	21,832
Unemployed	1,075	1,078	1,042	1,068	1,041	1,055	1,083	1,019	1,028	996	988	853	901
Unemployment rate	4.8	4.8	4.6	4.7	4.6	4.7	4.8	4.5	4.6	4.4	4.4	3.8	4.0
West North Central													
Civilian noninstitutional population ²	13,857	13,866	13,880	13,892	13,906	13,918	13,928	13,940	13,946	13,953	13,962	13,972	13,982
Civilian labor force	10,099	10,150	10,114	10,137	10,129	10,144	10,110	10,012	10,005	9,990	10,071	10,122	10,137
Employed	9,694	9,705	9,707	9,749	9,727	9,687	9,715	9,600	9,642	9,675	9,704	9,780	9,775
Unemployed	405	445	408	388	402	456	395	412	363	315	367	341	363
Unemployment rate	4.0	4.4	4.0	3.8	4.0	4.5	3.9	4.1	3.6	3.1	3.6	3.4	3.6
WEST													
Civilian noninstitutional population ²	43,823	43,884	43,948	44,018	44,087	44,151	44,213	44,274	44,316	44,366	44,424	44,481	44,539
Civilian labor force	29,393	29,400	29,409	29,549	29,544	29,684	29,680	29,848	29,704	29,992	30,031	29,833	29,868
Employed	27,533	27,503	27,545	27,700	27,691	27,791	27,800	28,050	28,005	28,198	28,311	28,236	28,205
Unemployed	1,860	1,898	1,864	1,850	1,853	1,894	1,880	1,798	1,699	1,794	1,720	1,597	1,663
Unemployment rate	6.3	6.5	6.3	6.3	6.3	6.4	6.3	6.0	5.7	6.0	5.7	5.4	5.6
Mountain													
Civilian noninstitutional population ²	12,080	12,108	12,138	12,168	12,199	12,229	12,258	12,287	12,309	12,334	12,362	12,390	12,418
Civilian labor force	8,298	8,272	8,314	8,331	8,325	8,391	8,439	8,430	8,320	8,398	8,406	8,411	8,439
Employed	7,871	7,825	7,858	7,893	7,904	7,983	8,022	8,034	7,927	8,005	8,041	8,033	8,064
Unemployed	427	447	456	438	421	408	417	395	393	393	365	378	375
Unemployment rate	5.1	5.4	5.5	5.3	5.1	4.9	4.9	4.7	4.7	4.7	4.3	4.5	4.4
Pacific													
Civilian noninstitutional population ²	31,743	31,776	31,810	31,850	31,888	31,922	31,955	31,987	32,007	32,032	32,062	32,091	32,121
Civilian labor force	21,096	21,129	21,095	21,218	21,219	21,293	21,241	21,418	21,383	21,594	21,625	21,422	21,430
Employed	19,662	19,678	19,688	19,806	19,787	19,808	19,778	20,015	20,078	20,193	20,270	20,203	20,141
Unemployed	1,433	1,451	1,408	1,412	1,432	1,486	1,463	1,403	1,306	1,400	1,355	1,219	1,288
Unemployment rate	6.8	6.9	6.7	6.7	6.7	7.0	6.9	6.6	6.1	6.5	6.3	5.7	6.0

¹ These estimates may differ from the results obtained from summing the official State estimates produced and published through the Local Area Unemployment Statistics (LAUS) program.

² The population figures are not adjusted for seasonal variation.

NOTE: The States (including the District of Columbia) that compose the various census divisions are: New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; Middle Atlantic: New Jersey, New York, and Pennsylvania; South Atlantic: Delaware, District of

Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia; East South Central: Alabama, Kentucky, Mississippi, and Tennessee; West South Central: Arkansas, Louisiana, Oklahoma, and Texas; East North Central: Illinois, Indiana, Michigan, Ohio, and Wisconsin; West North Central: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota; Mountain: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming; and Pacific: Alaska, California, Hawaii, Oregon, and Washington.

**STATE LABOR FORCE DATA
SEASONALLY ADJUSTED**

C-2. Labor force status by State, seasonally adjusted

(Numbers in thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
Alabama													
Civilian labor force	2,089.7	2,086.5	2,089.3	2,088.8	2,091.6	2,095.1	2,097.3	2,096.7	2,088.3	2,096.1	2,105.8	2,098.9	2,100.5
Employed	1,977.3	1,978.7	1,985.0	1,988.1	1,989.7	1,995.2	2,000.0	2,002.6	1,996.8	2,003.4	2,010.2	2,006.1	2,002.9
Unemployed	112.4	107.8	104.3	101.7	101.9	99.9	97.3	94.1	91.8	92.7	95.6	92.8	97.8
Unemployment rate	5.4	5.2	5.0	4.9	4.9	4.8	4.6	4.5	4.4	4.4	4.5	4.4	4.6
Alaska													
Civilian labor force	313.8	315.7	316.6	317.8	318.5	319.2	319.9	320.9	320.8	322.1	323.4	323.8	322.1
Employed	290.2	291.0	291.8	293.0	293.8	294.2	294.8	295.4	296.5	297.6	298.1	298.1	299.9
Unemployed	23.6	24.8	24.8	24.8	24.7	25.0	25.1	25.5	24.1	24.5	25.3	25.7	22.1
Unemployment rate	7.5	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.5	7.6	7.8	7.9	6.9
Arizona													
Civilian labor force	2,242.2	2,244.8	2,247.6	2,251.4	2,256.8	2,257.6	2,262.3	2,262.5	2,293.9	2,278.5	2,273.8	2,272.6	2,282.0
Employed	2,117.8	2,117.4	2,119.2	2,124.5	2,126.5	2,129.4	2,136.8	2,139.6	2,173.9	2,161.8	2,163.5	2,164.8	2,173.7
Unemployed	124.7	127.4	128.3	126.9	130.3	128.2	125.7	122.9	120.0	116.8	110.3	108.0	108.3
Unemployment rate	5.6	5.7	5.7	5.8	5.8	5.7	5.6	5.4	5.2	5.1	4.8	4.8	4.7
Arkansas													
Civilian labor force	1,231.7	1,234.9	1,235.8	1,238.5	1,239.1	1,239.4	1,239.8	1,239.7	1,242.5	1,245.2	1,250.2	1,241.3	1,238.5
Employed	1,166.7	1,167.8	1,166.8	1,168.8	1,169.1	1,170.3	1,171.4	1,173.2	1,175.8	1,177.7	1,182.1	1,183.7	1,182.1
Unemployed	65.0	67.1	69.0	69.7	70.0	69.1	68.2	66.5	66.7	67.5	68.1	57.6	56.4
Unemployment rate	5.3	5.4	5.6	5.6	5.6	5.6	5.5	5.4	5.4	5.4	5.4	4.6	4.6
California													
Civilian labor force	15,558.3	15,573.5	15,603.8	15,631.1	15,664.1	15,689.0	15,684.6	15,665.0	15,770.7	15,785.3	15,839.2	15,874.2	15,836.6
Employed	14,427.9	14,449.9	14,490.8	14,526.7	14,557.4	14,573.6	14,594.8	14,598.4	14,687.0	14,745.9	14,792.5	14,836.0	14,843.0
Unemployed	1,130.4	1,123.6	1,113.1	1,104.4	1,106.8	1,095.3	1,089.8	1,066.8	1,083.7	1,039.4	1,046.7	1,038.3	993.6
Unemployment rate	7.3	7.2	7.1	7.1	7.1	7.0	6.9	6.8	6.9	6.6	6.6	6.5	6.3
Colorado													
Civilian labor force	2,106.4	2,116.9	2,096.3	2,096.9	2,097.8	2,099.5	2,101.6	2,100.4	2,129.0	2,131.8	2,144.4	2,149.8	2,139.3
Employed	2,015.9	2,020.2	2,007.0	2,008.8	2,009.5	2,012.5	2,015.8	2,015.9	2,050.0	2,064.6	2,075.3	2,078.4	2,065.4
Unemployed	90.5	96.8	89.4	88.1	88.3	87.0	85.8	84.5	79.0	67.3	69.1	71.4	74.0
Unemployment rate	4.3	4.6	4.3	4.2	4.2	4.1	4.1	4.0	3.7	3.2	3.2	3.3	3.5
Connecticut													
Civilian labor force	1,717.9	1,719.7	1,721.6	1,721.9	1,721.5	1,724.1	1,723.3	1,722.0	1,735.6	1,731.4	1,732.6	1,741.5	1,741.6
Employed	1,621.3	1,622.4	1,623.8	1,624.4	1,622.9	1,624.4	1,624.0	1,623.0	1,645.9	1,646.0	1,646.9	1,651.7	1,651.3
Unemployed	96.6	97.2	97.8	97.5	98.5	99.6	99.3	99.0	89.7	85.4	85.7	89.8	90.3
Unemployment rate	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.7	5.2	4.9	4.9	5.2	5.2
Delaware													
Civilian labor force	381.5	382.3	382.6	382.6	382.4	383.4	383.9	384.4	393.1	393.2	393.6	390.7	389.3
Employed	362.4	362.8	362.9	361.9	361.9	362.9	363.5	364.2	373.6	374.5	375.2	374.4	373.5
Unemployed	19.1	19.5	19.7	20.7	20.5	20.5	20.2	20.2	19.4	18.6	18.4	16.3	15.8
Unemployment rate	5.0	5.1	5.2	5.4	5.4	5.4	5.3	5.3	4.9	4.7	4.7	4.2	4.1
District of Columbia													
Civilian labor force	271.7	270.4	270.7	270.5	270.5	270.1	269.5	270.0	267.6	266.1	269.2	266.7	266.6
Employed	247.9	247.6	247.5	247.3	247.4	247.3	247.5	247.3	246.7	246.4	248.1	247.5	248.6
Unemployed	23.7	22.9	23.3	23.3	23.1	22.7	22.0	22.7	20.9	19.7	21.1	19.3	18.0
Unemployment rate	8.7	8.5	8.6	8.6	8.5	8.4	8.2	8.4	7.8	7.4	7.8	7.2	6.8
Florida													
Civilian labor force	6,921.2	6,922.6	6,940.5	6,948.4	6,959.4	6,974.0	6,962.6	6,997.1	7,100.2	7,094.6	7,098.3	7,099.6	7,136.9
Employed	6,565.8	6,571.9	6,592.2	6,605.1	6,610.4	6,628.6	6,639.0	6,656.1	6,752.6	6,748.1	6,741.8	6,742.5	6,785.6
Unemployed	355.4	350.7	348.3	344.4	349.0	345.3	343.6	340.9	347.6	346.5	356.5	357.1	351.3
Unemployment rate	5.1	5.1	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	5.0	5.0	4.9

See footnotes at end of table.

**STATE LABOR FORCE DATA
SEASONALLY ADJUSTED**

C-2. Labor force status by State, seasonally adjusted—Continued

(Numbers in thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
Georgia													
Civilian labor force	3,742.0	3,757.8	3,773.7	3,769.8	3,777.9	3,787.9	3,798.0	3,803.6	3,826.3	3,835.0	3,842.1	3,848.9	3,853.7
Employed	3,570.6	3,585.8	3,603.3	3,597.5	3,601.9	3,613.7	3,621.3	3,625.3	3,648.6	3,655.3	3,663.2	3,680.1	3,681.3
Unemployed	171.4	172.0	170.4	172.3	176.0	174.3	176.8	178.2	177.7	179.7	178.9	168.7	172.4
Unemployment rate	4.6	4.6	4.5	4.6	4.7	4.6	4.7	4.7	4.6	4.7	4.7	4.3	4.5
Hawaii													
Civilian labor force	589.2	591.0	591.6	592.6	593.8	594.2	596.6	596.0	594.6	593.9	593.1	593.6	590.1
Employed	551.9	552.9	553.7	554.8	555.9	556.7	558.7	557.1	580.8	580.9	558.8	558.3	555.5
Unemployed	37.3	38.1	37.9	37.8	37.9	37.4	39.9	38.9	33.8	33.0	34.3	35.3	34.6
Unemployment rate	6.3	6.4	6.4	6.4	6.4	6.3	6.7	6.5	5.7	5.6	5.8	5.9	5.9
Idaho													
Civilian labor force	616.2	617.6	619.4	622.5	623.4	625.5	628.5	631.1	636.3	631.6	632.0	634.6	636.4
Employed	584.0	585.7	588.0	590.8	591.4	593.4	595.1	596.1	602.8	599.1	596.4	602.5	605.4
Unemployed	32.2	31.9	31.4	31.7	32.0	32.1	33.5	35.0	33.5	32.5	33.6	32.1	31.0
Unemployment rate	5.2	5.2	5.1	5.1	5.1	5.1	5.3	5.6	5.3	5.1	5.3	5.1	4.9
Illinois													
Civilian labor force	6,096.5	6,102.3	6,109.1	6,106.3	6,101.3	6,110.3	6,114.2	6,126.8	6,130.2	6,131.8	6,149.6	6,139.5	6,115.6
Employed	5,774.9	5,776.6	5,764.1	5,782.6	5,780.7	5,788.9	5,795.0	5,806.7	5,821.7	5,827.6	5,841.9	5,844.1	5,849.4
Unemployed	321.6	325.6	325.0	323.7	320.6	321.4	319.2	320.1	308.5	304.2	307.7	295.4	266.1
Unemployment rate	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.0	5.0	5.0	4.8	4.4
Indiana													
Civilian labor force	3,079.8	3,073.8	3,065.0	3,061.4	3,061.5	3,058.5	3,058.5	3,048.1	3,076.8	3,062.7	3,083.6	3,098.2	3,105.9
Employed	2,949.8	2,945.7	2,940.6	2,937.9	2,938.1	2,941.5	2,945.8	2,938.3	2,962.6	2,975.3	2,985.2	2,997.9	3,006.9
Unemployed	130.1	128.1	124.4	123.5	123.4	117.0	112.7	109.8	94.3	87.4	98.4	100.3	99.0
Unemployment rate	4.2	4.2	4.1	4.0	4.0	3.8	3.7	3.6	3.1	2.9	3.2	3.2	3.2
Iowa													
Civilian labor force	1,602.7	1,601.2	1,601.1	1,605.0	1,604.0	1,601.3	1,605.1	1,810.0	1,603.6	1,615.0	1,627.0	1,619.2	1,615.1
Employed	1,543.2	1,541.0	1,540.3	1,544.3	1,542.6	1,539.4	1,543.1	1,548.3	1,545.9	1,558.0	1,574.2	1,565.6	1,566.4
Unemployed	59.5	60.2	60.8	60.7	61.5	61.8	61.9	61.6	57.7	57.0	52.8	53.6	48.7
Unemployment rate	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.8	3.6	3.5	3.2	3.3	3.0
Kansas													
Civilian labor force	1,339.1	1,338.2	1,336.6	1,339.2	1,341.1	1,346.0	1,348.3	1,347.2	1,385.2	1,383.6	1,382.0	1,384.0	1,382.9
Employed	1,278.8	1,277.3	1,276.4	1,278.1	1,279.3	1,283.8	1,285.8	1,285.4	1,329.6	1,329.2	1,328.8	1,328.9	1,327.8
Unemployed	60.4	61.0	60.2	61.1	61.7	62.2	62.5	61.8	55.6	54.5	53.2	55.1	55.1
Unemployment rate	4.5	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.0	3.9	3.8	4.0	4.0
Kentucky													
Civilian labor force	1,862.9	1,863.7	1,867.3	1,867.2	1,867.2	1,874.5	1,876.1	1,880.1	1,913.8	1,911.3	1,916.0	1,924.0	1,919.7
Employed	1,759.5	1,760.1	1,762.7	1,763.7	1,762.7	1,768.4	1,769.0	1,770.6	1,808.4	1,805.9	1,813.5	1,824.4	1,821.0
Unemployed	103.5	103.5	104.6	103.5	104.5	106.1	107.2	109.6	105.4	105.5	102.5	99.6	98.7
Unemployment rate	5.6	5.6	5.6	5.5	5.6	5.7	5.7	5.8	5.5	5.5	5.4	5.2	5.1
Louisiana													
Civilian labor force	1,990.1	1,994.8	2,001.7	2,003.2	2,014.2	2,017.2	2,016.8	2,023.7	2,011.9	2,012.0	2,030.6	2,022.0	2,019.1
Employed	1,854.7	1,857.9	1,864.2	1,866.2	1,876.6	1,880.6	1,886.6	1,890.8	1,896.9	1,906.8	1,912.4	1,909.6	1,892.9
Unemployed	135.4	136.9	137.5	137.0	137.6	136.6	130.2	132.9	115.0	105.2	118.2	112.4	126.2
Unemployment rate	6.8	6.9	6.9	6.8	6.8	6.8	6.5	6.6	5.7	5.2	5.8	5.6	6.3
Maine													
Civilian labor force	666.7	669.6	669.9	672.0	673.7	673.8	674.0	674.7	667.8	666.8	672.6	669.1	668.3
Employed	631.8	634.4	635.1	637.6	639.9	640.8	641.9	643.1	638.1	637.9	643.3	637.3	636.3
Unemployed	34.9	35.2	34.8	34.4	33.8	33.0	32.0	31.6	29.7	29.0	29.3	31.8	32.0
Unemployment rate	5.2	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.4	4.3	4.4	4.7	4.8

See footnotes at end of table.

**STATE LABOR FORCE DATA
SEASONALLY ADJUSTED**

C-2. Labor force status by State, seasonally adjusted—Continued

(Numbers in thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
Maryland													
Civilian labor force	2,781.0	2,791.9	2,797.3	2,798.5	2,802.2	2,806.0	2,807.8	2,806.5	2,759.1	2,760.2	2,764.3	2,772.3	2,775.5
Employed	2,845.5	2,856.3	2,862.0	2,864.6	2,868.3	2,875.0	2,877.7	2,879.4	2,832.6	2,834.8	2,839.6	2,840.3	2,846.2
Unemployed	135.5	135.6	135.3	134.0	134.0	131.0	130.1	127.2	126.5	125.5	124.7	132.1	129.3
Unemployment rate	4.9	4.9	4.8	4.8	4.8	4.7	4.6	4.5	4.6	4.5	4.5	4.8	4.7
Massachusetts													
Civilian labor force	3,188.5	3,187.9	3,186.7	3,187.2	3,193.7	3,200.4	3,202.5	3,200.6	3,216.6	3,213.8	3,217.0	3,234.1	3,235.7
Employed	3,046.3	3,050.4	3,055.3	3,058.9	3,063.6	3,072.7	3,078.7	3,075.2	3,085.8	3,092.6	3,089.7	3,101.4	3,099.3
Unemployed	142.2	137.5	131.5	128.3	130.0	127.7	125.7	125.4	130.9	121.2	127.3	132.7	136.4
Unemployment rate	4.5	4.3	4.1	4.0	4.1	4.0	3.9	3.9	4.1	3.8	4.0	4.1	4.2
Michigan													
Civilian labor force	4,800.4	4,802.2	4,795.8	4,811.7	4,821.2	4,840.9	4,845.3	4,845.3	4,887.8	4,891.4	4,880.3	4,874.0	4,872.9
Employed	4,566.1	4,571.1	4,562.6	4,581.8	4,590.5	4,608.8	4,614.4	4,612.9	4,647.9	4,671.6	4,671.9	4,661.4	4,875.8
Unemployed	234.3	231.1	233.2	229.9	230.7	232.2	230.9	232.4	239.9	219.8	208.4	212.6	197.1
Unemployment rate	4.9	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.9	4.5	4.3	4.4	4.0
Minnesota													
Civilian labor force	2,606.5	2,609.8	2,612.0	2,613.4	2,613.7	2,613.1	2,613.2	2,613.8	2,648.4	2,650.3	2,652.3	2,656.2	2,658.1
Employed	2,502.6	2,503.5	2,505.2	2,506.7	2,507.1	2,508.3	2,509.8	2,511.2	2,555.8	2,570.7	2,571.4	2,566.3	2,571.0
Unemployed	103.8	106.3	106.8	106.7	106.5	104.9	103.6	102.6	92.6	79.6	80.9	89.9	87.1
Unemployment rate	4.0	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.5	3.0	3.1	3.4	3.3
Mississippi													
Civilian labor force	1,263.8	1,260.7	1,262.5	1,260.7	1,258.4	1,262.3	1,262.9	1,262.7	1,289.4	1,277.8	1,279.8	1,273.1	1,271.9
Employed	1,184.6	1,184.1	1,185.8	1,184.7	1,184.5	1,186.7	1,188.2	1,189.3	1,199.1	1,205.9	1,205.2	1,209.2	1,209.0
Unemployed	79.3	76.6	76.7	75.9	73.9	75.6	74.8	73.4	70.4	71.9	74.6	64.0	62.9
Unemployment rate	6.3	6.1	6.1	6.0	5.9	6.0	5.9	5.8	5.5	5.6	5.8	5.0	4.9
Missouri													
Civilian labor force	2,894.9	2,897.1	2,898.0	2,900.8	2,903.5	2,917.2	2,923.1	2,925.5	2,865.8	2,873.8	2,857.0	2,883.5	2,860.8
Employed	2,764.5	2,768.4	2,765.6	2,769.7	2,771.3	2,781.0	2,782.5	2,784.1	2,739.1	2,747.6	2,737.8	2,736.5	2,745.8
Unemployed	130.3	130.7	132.4	131.1	132.3	136.2	140.6	141.4	126.5	126.1	119.2	127.1	115.0
Unemployment rate	4.5	4.5	4.6	4.5	4.6	4.7	4.8	4.8	4.4	4.4	4.2	4.4	4.0
Montana													
Civilian labor force	447.1	447.4	448.6	446.5	447.0	450.4	451.0	449.3	454.4	453.0	456.0	456.7	456.5
Employed	422.7	423.5	423.1	423.8	424.3	428.4	429.3	427.7	432.5	432.4	433.5	432.4	436.1
Unemployed	24.3	24.0	23.5	22.9	22.7	22.0	21.7	21.8	21.9	20.7	22.5	24.3	22.4
Unemployment rate	5.4	5.4	5.3	5.1	5.1	4.9	4.8	4.8	4.8	4.8	4.9	5.3	4.9
Nebraska													
Civilian labor force	910.7	912.7	912.5	913.3	913.6	916.5	918.3	916.5	921.1	918.7	919.8	917.3	918.9
Employed	883.9	885.3	885.1	886.8	887.1	889.7	890.9	890.6	898.4	896.3	898.0	899.2	897.6
Unemployed	26.8	27.4	27.4	26.7	26.6	26.8	27.4	26.0	22.7	22.3	21.7	18.1	21.3
Unemployment rate	2.9	3.0	3.0	2.9	2.9	2.9	3.0	2.8	2.5	2.4	2.4	2.0	2.3
Nevada													
Civilian labor force	838.4	842.9	847.0	850.6	855.0	857.9	860.8	864.8	881.7	883.9	884.4	887.6	889.1
Employed	793.2	796.8	800.4	803.6	806.4	810.3	814.7	817.5	841.1	844.3	844.9	847.7	850.4
Unemployed	45.3	48.1	46.6	47.0	48.6	47.6	46.2	47.3	40.8	39.8	39.5	39.9	38.7
Unemployment rate	5.4	5.5	5.5	5.5	5.7	5.5	5.4	5.5	4.6	4.5	4.5	4.5	4.4
New Hampshire													
Civilian labor force	626.3	625.8	623.8	621.9	620.3	622.1	621.0	620.1	647.3	648.5	640.9	643.9	649.1
Employed	599.5	598.7	597.4	595.8	593.8	595.9	595.7	595.9	626.7	626.7	627.5	626.8	631.1
Unemployed	26.8	27.1	26.4	26.3	26.5	26.2	25.3	24.2	20.8	21.8	13.4	17.1	18.0
Unemployment rate	4.3	4.3	4.2	4.2	4.3	4.2	4.1	3.9	3.2	3.4	2.1	2.7	2.8

See footnotes at end of table.

**STATE LABOR FORCE DATA
SEASONALLY ADJUSTED**

C-2. Labor force status by State, seasonally adjusted—Continued

(Numbers in thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
New Jersey													
Civilian labor force	4,113.3	4,125.8	4,130.2	4,136.7	4,143.5	4,150.6	4,153.5	4,152.1	4,145.0	4,142.7	4,132.6	4,139.1	4,135.7
Employed	3,863.0	3,873.4	3,878.8	3,883.1	3,887.2	3,894.6	3,899.3	3,900.6	3,896.7	3,912.7	3,905.5	3,924.1	3,914.9
Unemployed	250.3	252.4	251.8	253.8	256.3	258.0	254.2	251.8	248.4	230.0	227.0	215.0	220.8
Unemployment rate	6.1	6.1	6.1	6.1	6.2	6.2	6.1	6.1	5.9	5.6	5.5	5.2	5.3
New Mexico													
Civilian labor force	797.5	802.6	802.8	801.7	799.5	801.9	802.4	802.3	818.7	818.3	814.2	817.4	820.7
Employed	734.9	734.9	734.7	734.7	733.7	735.0	735.5	736.8	765.0	763.0	760.9	765.0	788.8
Unemployed	62.5	67.6	68.1	67.0	65.7	66.9	66.9	65.5	53.7	55.3	53.3	52.4	51.9
Unemployment rate	7.8	8.4	8.5	8.4	8.2	8.3	8.3	8.2	6.6	6.8	6.5	6.4	6.3
New York													
Civilian labor force	8,637.1	8,643.8	8,657.7	8,653.0	8,854.8	8,667.8	8,680.6	8,688.6	8,877.2	8,891.9	8,705.9	8,715.9	8,750.7
Employed	8,093.5	8,103.2	8,118.4	8,121.2	8,128.1	8,137.0	8,143.3	8,147.1	8,129.5	8,144.7	8,157.1	8,165.0	8,195.9
Unemployed	543.5	540.8	541.4	531.9	528.7	530.8	537.4	539.5	547.8	547.2	548.8	550.8	554.8
Unemployment rate	6.3	6.3	6.3	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.3	6.3
North Carolina													
Civilian labor force	3,783.6	3,795.8	3,801.8	3,809.0	3,824.7	3,848.8	3,853.3	3,860.4	3,821.4	3,794.0	3,818.0	3,817.3	3,820.4
Employed	3,819.6	3,832.3	3,840.1	3,849.4	3,862.3	3,885.3	3,888.9	3,897.4	3,874.6	3,854.9	3,884.5	3,895.5	3,888.2
Unemployed	163.9	163.3	161.7	159.8	162.4	163.4	164.4	163.0	146.8	139.1	133.5	121.9	132.2
Unemployment rate	4.3	4.3	4.3	4.2	4.2	4.2	4.3	4.2	3.8	3.7	3.5	3.2	3.5
North Dakota													
Civilian labor force	342.8	344.2	344.4	345.2	345.5	345.2	346.3	346.9	347.0	347.2	347.1	347.6	350.9
Employed	332.4	333.2	333.5	334.4	334.8	335.2	335.6	335.9	338.4	338.1	337.6	337.5	339.5
Unemployed	10.2	11.0	10.9	10.8	10.7	10.0	10.8	11.0	10.7	9.0	9.6	10.0	11.4
Unemployment rate	3.0	3.2	3.2	3.1	3.1	2.9	3.1	3.2	3.1	2.6	2.8	2.9	3.2
Ohio													
Civilian labor force	5,836.6	5,844.7	5,840.3	5,850.3	5,846.1	5,857.5	5,870.9	5,872.2	5,789.4	5,792.0	5,753.7	5,755.2	5,742.1
Employed	5,360.8	5,385.9	5,388.3	5,378.1	5,370.3	5,379.3	5,383.6	5,389.0	5,478.3	5,474.5	5,482.1	5,480.6	5,482.0
Unemployed	275.8	278.8	272.0	272.2	275.8	278.1	287.3	283.2	291.1	317.5	271.5	274.6	280.2
Unemployment rate	4.9	4.9	4.8	4.8	4.9	4.9	5.1	5.0	5.0	5.5	4.7	4.8	4.5
Oklahoma													
Civilian labor force	1,574.2	1,575.9	1,578.8	1,582.0	1,583.2	1,587.5	1,588.7	1,590.1	1,602.1	1,608.0	1,601.1	1,598.1	1,601.9
Employed	1,510.3	1,512.8	1,515.0	1,519.2	1,520.0	1,524.9	1,526.4	1,528.8	1,540.8	1,551.8	1,544.3	1,543.3	1,546.2
Unemployed	63.8	63.2	63.6	62.9	63.2	62.8	62.3	61.3	61.4	54.2	56.8	54.8	55.7
Unemployment rate	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.4	3.5	3.4	3.5
Oregon													
Civilian labor force	1,728.4	1,718.8	1,716.3	1,712.0	1,724.9	1,729.8	1,738.7	1,743.1	1,731.0	1,704.1	1,713.8	1,730.3	1,708.1
Employed	1,624.9	1,617.9	1,613.4	1,610.2	1,621.2	1,624.4	1,630.3	1,633.3	1,636.2	1,608.7	1,614.2	1,633.0	1,622.5
Unemployed	101.4	101.0	103.0	101.8	103.7	105.4	108.4	109.8	94.8	95.4	99.5	97.3	85.6
Unemployment rate	5.9	5.9	6.0	5.9	6.0	6.1	6.2	6.3	5.5	5.8	5.8	5.6	5.0
Pennsylvania													
Civilian labor force	5,899.4	5,899.1	5,909.4	5,909.9	5,915.5	5,922.3	5,926.3	5,834.7	5,959.2	5,980.9	5,980.6	5,978.0	6,004.8
Employed	5,580.4	5,589.0	5,601.5	5,607.6	5,615.8	5,627.8	5,637.4	5,847.4	5,681.5	5,886.8	5,676.3	5,884.6	5,894.8
Unemployed	319.0	310.0	307.9	302.3	299.7	294.5	288.9	287.2	277.6	294.2	302.2	313.4	310.0
Unemployment rate	5.4	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.9	5.1	5.2	5.2
Rhode Island													
Civilian labor force	495.3	496.0	495.9	497.3	496.9	499.5	500.9	500.7	497.9	495.3	498.2	500.7	501.3
Employed	470.1	471.4	471.7	472.9	474.7	475.4	475.9	475.9	473.4	472.2	473.9	474.8	472.9
Unemployed	25.2	24.7	24.1	24.5	24.2	24.1	25.0	24.9	24.5	23.1	24.3	25.6	28.4
Unemployment rate	5.1	5.0	4.9	4.9	4.9	4.8	5.0	5.0	4.9	4.7	4.9	5.2	5.7

See footnotes at end of table.

**STATE LABOR FORCE DATA
SEASONALLY ADJUSTED**

C-2. Labor force status by State, seasonally adjusted—Continued

(Numbers in thousands)

State	1996								1997				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P
South Carolina													
Civilian labor force	1,848.2	1,853.4	1,846.3	1,844.1	1,845.1	1,845.2	1,846.7	1,846.0	1,888.4	1,885.8	1,893.7	1,886.2	1,891.7
Employed	1,737.9	1,738.4	1,732.8	1,730.6	1,730.4	1,730.2	1,732.3	1,733.7	1,782.0	1,782.1	1,794.1	1,798.8	1,800.6
Unemployed	110.3	115.0	113.5	113.5	114.7	115.0	114.4	112.3	104.5	103.7	99.6	87.4	91.1
Unemployment rate	6.0	6.2	6.1	6.2	6.2	6.2	6.2	6.1	5.5	5.5	5.3	4.6	4.8
South Dakota													
Civilian labor force	388.9	389.6	389.9	390.4	390.6	391.1	392.0	392.3	391.4	390.1	390.7	389.7	391.1
Employed	376.8	377.0	377.3	377.9	378.1	378.7	379.2	379.3	379.2	379.3	379.5	379.1	380.7
Unemployed	12.1	12.6	12.5	12.5	12.5	12.4	12.8	13.0	12.2	10.7	11.2	10.6	10.3
Unemployment rate	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.1	2.7	2.9	2.7	2.6
Tennessee													
Civilian labor force	2,741.6	2,748.2	2,752.0	2,753.2	2,757.1	2,766.2	2,771.8	2,769.8	2,758.9	2,758.7	2,755.8	2,761.7	2,753.5
Employed	2,602.5	2,608.9	2,611.6	2,615.7	2,619.0	2,625.0	2,627.9	2,629.0	2,619.5	2,621.7	2,613.6	2,622.1	2,618.4
Unemployed	139.2	139.3	140.5	137.5	138.1	141.1	143.8	140.8	139.4	137.0	142.2	139.6	135.1
Unemployment rate	5.1	5.1	5.1	5.0	5.0	5.1	5.2	5.1	5.1	5.0	5.2	5.1	4.9
Texas													
Civilian labor force	9,731.7	9,739.2	9,744.2	9,755.8	9,788.2	9,785.9	9,804.0	9,806.5	9,883.4	9,918.4	9,935.6	9,907.1	9,931.6
Employed	9,178.0	9,184.3	9,196.4	9,219.6	9,235.7	9,260.1	9,274.6	9,286.9	9,348.2	9,357.7	9,354.0	9,361.7	9,394.5
Unemployed	553.7	554.9	547.8	536.3	532.5	525.7	529.4	519.6	535.3	560.6	581.6	545.4	537.1
Unemployment rate	5.7	5.7	5.6	5.5	5.5	5.4	5.4	5.3	5.4	5.7	5.9	5.5	5.4
Utah													
Civilian labor force	994.0	997.1	999.9	1,003.2	1,005.1	1,007.9	1,010.7	1,013.0	1,034.5	1,037.2	1,041.1	1,046.7	1,045.4
Employed	959.2	961.9	965.0	968.1	970.0	973.0	976.0	979.0	1,001.7	1,004.1	1,011.6	1,014.9	1,014.0
Unemployed	34.8	35.2	34.9	35.2	35.1	35.0	34.7	33.9	32.8	33.1	29.6	31.8	31.4
Unemployment rate	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.2	3.2	2.8	3.0	3.0
Vermont													
Civilian labor force	324.3	324.3	323.4	324.4	324.8	325.4	325.9	325.8	328.0	329.0	328.5	328.0	328.4
Employed	310.0	309.5	308.4	309.5	309.8	310.4	310.8	310.9	315.0	316.1	315.6	315.3	315.8
Unemployed	14.3	14.9	15.0	15.0	14.9	15.0	15.2	14.9	12.9	12.9	12.9	12.7	12.6
Unemployment rate	4.4	4.6	4.6	4.6	4.6	4.6	4.7	4.6	3.9	3.9	3.9	3.9	3.8
Virginia													
Civilian labor force	3,388.0	3,382.9	3,376.1	3,370.1	3,368.6	3,369.5	3,368.4	3,370.6	3,518.2	3,514.8	3,521.0	3,525.3	3,524.3
Employed	3,240.4	3,232.4	3,226.7	3,223.6	3,220.7	3,223.1	3,223.4	3,227.4	3,375.1	3,366.2	3,373.4	3,371.5	3,374.4
Unemployed	147.5	150.5	149.4	146.5	147.9	146.4	145.0	143.2	143.1	148.6	147.6	153.8	149.9
Unemployment rate	4.4	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.1	4.2	4.2	4.4	4.3
Washington													
Civilian labor force	2,885.9	2,888.4	2,905.1	2,895.2	2,891.4	2,903.8	2,906.7	2,908.3	2,918.8	2,917.7	2,931.2	2,946.5	2,946.1
Employed	2,691.9	2,698.2	2,716.4	2,708.1	2,703.0	2,716.8	2,722.0	2,725.2	2,753.1	2,771.4	2,788.4	2,795.9	2,802.9
Unemployed	193.9	190.3	188.7	187.1	188.3	187.2	184.7	183.1	165.7	148.2	142.8	150.6	143.1
Unemployment rate	6.7	6.6	6.5	6.5	6.5	6.4	6.4	6.3	5.7	5.0	4.9	5.1	4.9
West Virginia													
Civilian labor force	812.6	806.9	806.3	808.5	811.2	813.9	814.7	814.1	803.3	807.8	804.8	809.5	795.3
Employed	753.3	748.2	748.3	749.5	750.8	753.0	753.9	753.5	745.9	747.0	748.5	749.1	747.6
Unemployed	59.3	58.7	57.9	59.0	60.4	60.9	60.8	60.6	57.4	60.8	56.3	60.4	47.7
Unemployment rate	7.3	7.3	7.2	7.3	7.5	7.5	7.5	7.4	7.1	7.5	7.0	7.5	6.0
Wisconsin													
Civilian labor force	2,910.4	2,916.2	2,921.4	2,926.2	2,926.8	2,934.3	2,941.6	2,944.3	2,926.9	2,926.7	2,918.2	2,919.5	2,916.4
Employed	2,807.0	2,813.5	2,817.5	2,824.3	2,826.6	2,835.8	2,841.8	2,842.6	2,822.5	2,824.7	2,818.9	2,819.3	2,817.5
Unemployed	103.4	102.7	103.9	101.9	100.1	98.5	99.8	101.7	106.4	102.1	101.4	100.2	98.9
Unemployment rate	3.6	3.5	3.6	3.5	3.4	3.4	3.4	3.5	3.6	3.5	3.5	3.4	3.4
Wyoming													
Civilian labor force	257.5	258.1	258.3	258.4	257.9	257.8	257.9	258.1	256.7	256.1	256.2	257.8	257.0
Employed	244.5	244.8	245.0	245.2	244.9	244.9	245.0	245.1	245.0	244.8	244.8	244.9	244.7
Unemployed	13.0	13.3	13.3	13.2	13.0	12.9	12.9	13.1	11.8	11.3	11.5	12.7	12.3
Unemployment rate	5.0	5.2	5.2	5.1	5.0	5.0	5.0	5.1	4.6	4.4	4.5	4.9	4.8

^P = preliminary.

NOTE: Data refer to place of residence. All estimates are provisional and will be

revised when new benchmark and population information becomes available.

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

C-3. Labor force status by State and selected metropolitan areas

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
Alabama	2,083.1	2,095.6	2,094.2	100.9	87.8	86.2	4.8	4.2	4.1
Birmingham	446.0	452.3	452.3	13.2	12.4	12.6	3.0	2.8	2.8
Huntsville	162.3	163.1	163.0	5.2	4.1	4.0	3.2	2.5	2.5
Mobile	257.5	263.8	264.9	12.9	11.1	10.7	5.0	4.2	4.1
Montgomery	155.6	158.3	158.5	5.8	5.5	5.3	3.8	3.5	3.4
Tuscaloosa	77.9	78.9	79.0	2.8	2.2	2.2	3.6	2.8	2.8
Alaska	313.7	317.9	321.8	23.9	26.4	22.5	7.6	8.3	7.0
Anchorage	135.2	139.7	137.8	7.4	8.2	7.1	5.4	5.9	5.1
Arizona	2,244.4	2,254.4	2,285.1	119.0	94.2	102.7	5.3	4.2	4.5
Phoenix-Mesa	1,454.1	1,477.8	1,495.2	52.5	40.0	42.4	3.8	2.7	2.8
Tucson	386.8	378.3	382.2	13.7	10.8	11.9	3.5	2.9	3.1
Arkansas	1,237.5	1,238.7	1,244.5	63.8	58.2	55.4	5.2	4.5	4.5
Fayetteville-Springdale-Rogers	138.1	141.1	141.5	3.7	3.8	3.7	2.7	2.7	2.6
Fort Smith	96.0	98.5	96.2	5.0	4.2	4.1	5.2	4.3	4.3
Little Rock-North Little Rock	298.3	299.1	300.8	10.7	10.0	10.1	3.6	3.4	3.4
Pine Bluff	37.1	37.2	37.5	2.8	2.5	2.6	7.6	6.6	6.8
California	15,483.5	15,750.1	15,760.8	1,078.1	1,012.2	940.7	7.0	6.4	6.0
Bakersfield	274.8	289.9	293.9	30.0	33.8	29.5	10.9	11.6	10.0
Fresno	423.0	417.3	418.5	50.7	59.0	51.8	12.0	14.2	12.4
Los Angeles-Long Beach	4,393.6	4,456.9	4,449.2	362.6	319.3	296.2	8.3	7.2	6.7
Modesto	197.3	196.0	200.3	29.2	28.7	27.9	14.8	14.6	13.9
Oakland	1,127.3	1,149.2	1,149.3	55.8	49.1	48.9	4.9	4.3	4.3
Orange County	1,336.2	1,359.3	1,381.1	55.1	43.5	43.2	4.1	3.2	3.2
Riverside-San Bernardino	1,303.3	1,339.5	1,341.2	94.1	86.9	85.4	7.2	6.5	6.4
Sacramento	715.2	730.7	729.5	42.5	38.7	38.7	5.9	5.3	5.3
Salinas	179.1	184.7	183.0	14.9	21.0	14.5	8.3	11.4	7.9
San Diego	1,223.5	1,241.2	1,238.9	64.0	54.1	51.5	5.2	4.4	4.2
San Francisco	896.7	924.5	921.3	35.8	29.4	29.2	4.0	3.2	3.2
San Jose	867.2	919.2	921.6	31.1	28.8	27.8	3.5	3.1	3.0
Santa Barbara-Santa Maria-Lompoc	193.0	193.9	193.5	9.2	9.5	7.8	4.7	4.9	4.1
Santa Rosa	229.4	233.3	234.8	10.1	9.1	8.5	4.4	3.9	3.6
Stockton-Lodi	243.1	242.7	245.4	25.5	27.2	24.8	10.5	11.2	10.1
Vallejo-Fairfield-Napa	231.8	231.7	233.7	16.2	14.4	14.0	7.0	6.2	6.0
Ventura	379.6	385.2	384.5	22.6	21.3	21.0	6.0	5.5	5.5
Colorado	2,092.2	2,115.5	2,125.5	89.8	64.2	73.5	4.3	3.0	3.5
Boulder-Longmont	161.9	164.2	168.8	8.1	4.2	4.8	3.8	2.6	2.9
Colorado Springs	240.4	241.6	245.5	11.0	8.0	9.3	4.6	3.3	3.8
Denver	1,056.0	1,054.7	1,062.8	41.1	26.3	31.3	3.9	2.7	2.9
Connecticut	1,711.5	1,724.0	1,735.0	93.6	83.9	87.1	5.5	4.9	5.0
Bridgeport	219.0	220.0	221.1	14.2	12.8	12.9	6.5	5.7	5.8
Danbury	107.0	108.3	109.2	4.0	3.4	3.5	3.7	3.1	3.2
Hartford	590.1	589.1	590.7	34.7	29.7	31.2	5.9	5.0	5.3
New Haven-Meriden	270.4	275.3	275.1	15.2	14.8	14.5	5.6	5.4	5.3
New London-Norwich	151.5	153.7	157.2	7.8	7.5	8.6	5.2	4.9	5.5
Stamford-Newark	187.9	191.4	192.9	6.7	5.6	6.0	3.6	2.9	3.1
Waterbury	116.9	118.2	119.8	7.1	6.9	6.9	6.1	5.8	5.7
Delaware	378.7	387.1	386.4	16.9	15.3	13.6	4.5	3.9	3.5
Dover	68.1	70.4	70.4	3.4	3.0	2.7	5.0	4.3	3.9
Wilmington-Newark	283.2	288.2	286.1	13.4	12.0	11.3	4.7	4.2	3.9
District of Columbia	266.5	263.4	263.4	23.6	18.0	17.9	8.8	6.8	6.8
Washington	2,531.6	2,564.6	2,576.2	98.2	84.8	87.0	3.9	3.3	3.4
Florida	6,932.4	7,049.3	7,148.2	339.8	327.1	335.5	4.9	4.6	4.7
Daytona Beach	188.2	190.1	192.5	7.6	7.1	7.1	4.0	3.7	3.7
Fort Lauderdale	733.3	747.6	756.9	38.1	36.8	37.5	5.2	4.9	5.0
Fort Myers-Cape Coral	170.6	172.0	171.7	6.6	6.0	5.5	3.9	3.5	3.2
Gainesville	101.1	101.6	102.7	2.8	2.9	3.0	2.8	2.9	3.0
Jacksonville	510.1	520.6	532.8	17.7	16.5	19.4	3.5	3.6	3.7
Lakeland-Winter Haven	193.3	197.9	199.9	10.8	10.6	11.3	5.6	5.4	5.7
Melbourne-Titusville-Palm Bay	198.4	198.9	199.1	10.8	9.6	9.1	5.5	4.9	4.6
Miami	1,025.4	1,037.6	1,052.1	75.2	75.4	77.6	7.3	7.3	7.4
Orlando	774.0	799.1	811.7	26.9	27.1	28.9	3.7	3.4	3.3
Pensacola	166.0	168.3	171.1	6.5	6.9	7.1	3.9	4.1	4.1
Sarasota-Bradenton	243.9	250.4	255.7	7.5	7.1	6.3	3.1	2.8	2.5
Tallahassee	142.2	143.0	145.7	4.5	4.2	4.8	3.2	3.0	3.3
Tampa-St. Petersburg-Clearwater	1,100.8	1,118.9	1,130.3	42.4	39.2	39.7	3.9	3.5	3.5
West Palm Beach-Boca Raton	465.0	475.9	482.0	26.8	27.8	29.1	6.2	5.8	6.0

See footnotes at end of table.

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

C-3. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
Georgia	3,727.7	3,829.1	3,839.6	157.4	152.6	158.3	4.2	4.0	4.1
Albany	55.2	56.8	56.6	3.1	3.1	3.4	5.7	5.5	5.9
Athens	71.6	73.1	73.3	2.1	1.8	1.8	2.9	2.4	2.5
Atlanta	1,952.1	2,028.4	2,033.3	67.2	68.8	89.0	3.4	3.3	3.4
Augusta-Aiken	200.3	205.6	205.7	12.5	11.0	11.4	6.2	5.3	5.5
Columbus	115.9	118.3	119.0	5.3	4.9	5.3	4.6	4.1	4.4
Macon	146.6	150.6	149.8	7.1	8.4	8.5	4.9	4.2	4.3
Savannah	128.7	134.3	133.9	5.8	5.8	5.8	4.4	4.3	4.4
Hawaii	588.1	594.5	588.9	37.2	35.7	34.6	6.3	6.0	5.9
Honolulu	427.3	428.3	425.2	22.5	21.0	20.1	5.3	4.9	4.7
Idaho	816.6	828.5	638.9	31.0	34.0	29.9	5.0	5.4	4.7
Boise City	203.5	212.9	213.3	7.8	7.7	8.7	3.7	3.6	3.1
Illinois	6,088.4	6,110.9	6,104.1	315.0	296.0	260.5	5.2	4.8	4.3
Bloomington-Normal	80.1	80.4	79.4	2.6	2.1	1.8	3.3	2.8	2.3
Champaign-Urbana	93.6	94.3	94.8	2.9	2.7	2.5	3.1	2.9	2.6
Chicago	4,035.1	4,068.8	4,087.8	199.5	191.7	168.8	4.9	4.7	4.2
Davenport-Moline-Rock Island	181.7	183.0	182.6	7.7	7.1	5.9	4.2	3.9	3.2
Decatur	60.0	59.4	59.3	4.5	4.4	3.9	7.5	7.3	6.6
Kankakee	51.6	52.0	51.9	2.9	3.1	2.7	5.8	6.0	5.1
Peoria-Pekin	180.7	177.3	177.0	11.4	8.3	7.0	6.3	4.7	4.0
Rockford	192.7	192.6	193.6	8.3	6.4	7.6	4.3	4.4	3.9
Springfield	105.9	105.8	105.8	4.5	4.4	4.0	4.3	4.2	3.8
Indiana	3,100.1	3,091.8	3,128.2	128.4	104.4	97.4	4.1	3.4	3.1
Bloomington	59.1	83.0	82.1	1.9	1.3	1.3	3.2	2.1	2.2
Elkhart-Goshen	95.9	93.9	95.4	3.4	2.7	2.6	3.5	2.9	2.7
Evansville-Henderson	157.7	156.6	157.6	7.8	8.8	6.0	4.9	4.3	3.8
Fort Wayne	265.0	265.1	268.2	9.7	7.3	8.9	3.7	2.8	2.6
Gary	302.3	308.3	308.3	15.9	13.1	11.7	5.3	4.3	3.8
Indianapolis	821.5	823.6	830.7	27.5	21.8	20.9	3.3	2.6	2.5
Kokomo	52.9	52.0	53.1	2.0	1.8	1.5	3.8	3.0	2.9
Lafayette	89.1	88.7	87.0	2.7	2.0	1.8	3.0	2.3	2.1
Muncie	64.6	64.2	64.8	2.9	2.4	2.1	4.5	3.8	3.3
South Bend	135.1	138.0	139.3	5.1	4.3	4.0	3.8	3.2	2.9
Terre Haute	74.4	74.3	73.9	5.2	4.2	4.0	7.0	5.6	5.4
Iowa	1,597.6	1,611.3	1,811.5	52.9	53.9	43.3	3.3	3.3	2.7
Cedar Rapids	107.6	111.6	110.5	3.0	3.2	2.5	2.8	2.8	2.2
Des Moines	254.2	280.8	259.0	5.8	6.9	5.9	2.3	2.7	2.3
Dubuque	50.3	50.1	49.8	2.9	2.2	1.8	5.8	4.3	3.3
Iowa City	65.9	88.6	86.9	1.7	1.5	1.4	2.6	2.3	2.1
Sioux City	66.4	66.6	66.7	2.2	2.5	2.0	3.3	3.7	3.0
Waterloo-Cedar Falls	88.7	89.4	68.9	2.8	2.8	2.3	4.0	4.0	3.3
Kansas	1,334.3	1,376.1	1,378.4	57.2	53.8	52.0	4.3	3.9	3.8
Lawrence	50.8	52.1	52.0	2.4	2.2	2.2	4.7	4.3	4.2
Topeka	88.4	89.5	88.6	3.9	4.3	4.1	4.4	4.8	4.7
Wichita	263.8	275.2	274.9	11.1	9.9	9.8	4.2	3.8	3.8
Kentucky	1,888.6	1,906.7	1,925.5	100.5	96.5	95.9	5.4	5.1	5.0
Lexington	242.1	253.0	254.2	8.5	6.3	6.1	2.7	2.5	2.4
Louisville	528.7	543.5	553.3	22.8	20.8	24.0	4.3	3.8	4.3
Owensboro	47.8	49.2	50.2	2.8	2.7	2.7	5.8	5.6	5.4
Louisiana	1,980.2	2,009.4	2,008.8	123.9	101.9	114.7	6.3	5.1	5.7
Alexandria	58.6	58.7	58.5	3.7	2.9	3.2	8.3	4.9	5.4
Baton Rouge	283.9	294.8	293.7	15.0	12.4	14.0	5.3	4.2	4.8
Houma	83.2	87.2	87.3	3.8	2.8	2.9	4.6	3.2	3.3
Lafayette	166.3	172.1	172.4	9.4	7.4	8.0	5.7	4.3	4.7
Lake Charles	88.1	89.6	88.7	5.2	4.8	5.3	5.9	5.3	5.9
Monroe	89.1	69.9	69.7	4.0	3.7	4.1	5.7	5.2	5.9
New Orleans	608.9	613.5	612.3	37.3	27.2	30.2	6.1	4.4	4.9
Shreveport-Bossier City	181.0	184.0	185.2	11.7	10.2	15.3	8.4	5.6	6.3
Maine	666.2	661.7	667.8	33.9	35.2	30.9	5.1	5.3	4.6
Lewiston-Auburn	51.8	52.0	51.7	3.1	2.8	2.4	6.1	5.4	4.7
Portland	130.7	133.0	133.1	3.8	3.4	3.1	2.9	2.5	2.3

See footnotes at end of table.

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

C-3. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
Maryland	2,770.1	2,739.3	2,764.4	130.4	120.9	124.1	4.7	4.4	4.5
Baltimore	1,300.3	1,279.1	1,289.8	69.0	62.8	65.4	5.3	4.9	5.1
Massachusetts	3,167.4	3,198.1	3,212.6	128.8	127.8	122.8	4.1	4.0	3.8
Barnstable-Yarmouth	71.1	68.6	71.5	3.0	3.8	3.1	4.2	5.5	4.3
Boston	1,749.3	1,782.2	1,786.4	62.0	58.9	59.1	3.5	3.3	3.3
Brockton	127.9	126.9	127.5	6.3	6.0	6.0	4.9	4.7	4.7
Fitchburg-Leominster	68.0	68.5	68.4	3.4	3.3	3.2	5.0	4.9	4.6
Lawrence	193.6	196.1	196.7	10.5	9.0	9.2	5.4	4.6	4.7
Lowell	155.7	156.0	155.8	5.9	5.9	5.7	3.8	3.8	3.7
New Bedford	80.3	80.5	80.5	6.2	6.1	6.4	7.7	7.6	6.8
Pittsfield	39.8	39.8	40.1	2.1	2.3	2.0	5.3	5.9	4.9
Springfield	278.7	279.6	280.4	11.3	11.6	10.9	4.0	4.1	3.9
Worcester	243.4	246.8	247.5	9.5	9.0	8.8	3.9	3.7	3.6
Michigan	4,809.7	4,811.2	4,881.8	219.7	205.8	182.6	4.6	4.3	3.7
Ann Arbor	278.0	279.6	279.0	7.1	7.4	6.0	2.6	2.7	2.1
Benton Harbor	82.8	81.0	82.8	4.7	4.1	4.1	5.7	5.0	4.9
Detroit	2,151.7	2,165.8	2,197.5	92.1	82.6	74.7	4.3	3.8	3.4
Flint	203.5	198.3	201.1	11.6	10.4	10.3	5.7	5.3	5.1
Grand Rapids-Muskegon-Holland	556.3	560.6	570.0	21.5	17.5	17.3	3.9	3.1	3.0
Jackson	74.9	73.9	75.2	3.9	3.3	3.1	5.2	4.5	4.1
Kalamazoo-Battle-Creek	221.6	222.1	222.3	9.3	8.3	7.9	4.2	3.7	3.6
Lansing-East Lansing	237.0	235.3	237.8	7.4	6.8	6.2	3.1	2.9	2.6
Saginaw-Bay City-Midland	193.1	192.1	195.5	9.0	8.6	7.9	4.7	4.5	4.1
Minnesota	2,603.3	2,646.9	2,654.7	88.1	92.3	71.3	3.4	3.5	2.7
Duluth-Superior	122.2	124.9	125.2	6.7	7.1	5.8	5.5	5.6	4.6
Minneapolis-St. Paul	1,606.3	1,643.5	1,646.2	42.3	40.3	34.2	2.6	2.5	2.1
Rochester	63.7	65.1	65.2	1.7	1.5	1.2	2.7	2.3	1.9
St. Cloud	94.6	95.0	94.5	3.6	4.4	3.1	3.8	4.6	3.2
Mississippi	1,267.0	1,264.4	1,275.2	83.0	59.3	66.6	6.6	4.7	5.2
Jackson	220.2	223.7	225.7	8.4	6.4	7.3	3.8	2.9	3.2
Missouri	2,903.9	2,866.5	2,870.2	123.2	121.8	108.1	4.2	4.2	3.8
Kansas City	934.9	948.9	947.1	37.3	38.5	32.3	4.0	4.1	3.4
St. Louis LMA	1,356.7	1,351.4	1,351.0	58.8	52.5	50.0	4.3	3.9	3.7
Springfield	170.5	168.2	168.4	5.4	5.6	5.2	3.2	3.3	3.1
Montana	447.0	457.3	458.5	22.3	23.6	20.4	5.0	5.2	4.4
Nebraska	912.5	914.2	920.8	25.3	16.6	19.8	2.8	1.8	2.1
Lincoln	139.0	142.8	142.6	3.6	2.0	2.4	2.6	1.4	1.7
Omaha	372.9	382.9	384.5	10.3	7.9	9.1	2.8	2.1	2.4
Nevada	833.4	881.0	884.0	42.6	37.9	36.1	5.1	4.3	4.1
Las Vegas	625.9	667.1	669.6	32.3	27.5	27.1	5.2	4.1	4.1
Reno	165.9	170.6	170.8	7.7	7.0	6.3	4.7	4.1	3.7
New Hampshire	622.8	639.9	645.7	25.5	18.0	16.7	4.1	2.8	2.6
Manchester	95.5	99.5	99.7	3.5	2.4	2.4	3.7	2.4	2.4
Nashua	94.8	97.9	98.0	3.8	2.2	2.2	4.0	2.3	2.2
Portsmouth-Rochester	119.0	121.6	122.6	4.0	3.2	2.6	3.3	2.8	2.1
New Jersey	4,108.2	4,104.8	4,130.4	243.3	204.6	213.4	5.9	5.0	5.2
Atlantic-Cape May	171.2	169.5	174.1	14.1	14.2	13.6	8.2	8.4	7.8
Bergen-Passaic	667.2	667.9	668.6	41.2	34.3	35.5	6.2	5.1	5.3
Jersey City	285.2	283.1	285.4	26.5	21.5	23.0	9.3	7.6	8.1
Middlesex-Somerset-Hunterdon	608.3	617.1	620.7	26.8	21.1	22.8	4.4	3.4	3.7
Monmouth-Ocean	514.3	506.7	518.2	26.6	23.6	24.1	5.2	4.7	4.6
Newark	1,004.0	1,004.4	1,004.1	60.5	49.8	52.6	6.0	5.0	5.2
Trenton	169.6	168.5	169.2	8.9	7.3	7.5	5.2	4.3	4.4
Vineland-Millville-Bridgeton	64.0	63.9	65.0	6.0	5.6	5.6	9.3	8.7	8.6
New Mexico	794.9	816.3	818.1	61.5	51.4	50.9	7.7	6.3	6.2
Albuquerque	342.2	356.2	357.2	16.8	14.1	14.7	4.9	4.0	4.1
Las Cruces	66.6	67.7	68.5	6.8	6.4	5.8	10.2	9.4	8.5
Santa Fe	72.5	72.9	73.0	3.7	2.8	2.8	5.2	3.8	3.8

See footnotes at end of table.

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

C-3. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
New York	8,574.1	8,646.3	8,688.3	523.3	539.5	535.1	6.1	6.2	6.2
Albany-Schenectady-Troy	445.7	446.8	449.1	20.7	16.8	17.3	4.7	3.8	3.8
Binghamton	120.7	123.3	124.7	5.4	4.9	4.7	4.5	4.0	3.8
Buffalo-Niagara Falls	567.9	566.1	574.7	27.7	27.1	27.5	4.9	4.8	4.8
Dutchess County	117.7	118.7	119.5	5.1	4.4	4.7	4.3	3.7	3.9
Elmira	43.3	44.8	45.0	1.9	1.8	1.8	4.4	3.7	4.0
Glens Falls	60.8	59.7	61.5	3.7	3.9	3.4	6.1	6.6	5.5
Nassau-Suffolk	1,357.6	1,360.3	1,381.5	56.5	43.9	49.0	4.2	3.2	3.5
New York	3,877.4	3,943.1	3,930.8	301.1	340.5	331.3	7.8	8.6	8.4
New York City	3,253.1	3,317.8	3,299.4	275.6	320.6	309.4	8.5	9.7	9.4
Newburgh	169.7	168.6	170.8	7.3	6.6	7.2	4.3	4.0	4.2
Rochester	567.5	569.1	576.5	23.0	20.6	21.7	4.1	3.6	3.8
Syracuse	360.2	381.8	363.0	18.0	15.7	15.7	5.0	4.3	4.3
Utica-Rome	141.1	141.3	142.5	7.2	7.4	7.0	5.1	5.2	4.9
North Carolina	3,781.8	3,782.3	3,817.2	180.9	112.7	129.0	4.3	3.0	3.4
Asheville	107.7	110.4	111.1	3.6	2.7	3.0	3.3	2.4	2.7
Charlotte-Gastonia-Rock Hill	732.8	739.0	741.3	26.1	18.9	22.0	3.6	2.6	3.0
Greensboro-Winston-Salem-High Point	827.5	630.4	631.0	19.8	14.7	18.8	3.2	2.3	2.7
Raleigh-Durham-Chapel Hill	574.9	589.5	591.2	12.9	9.4	11.0	2.3	1.6	1.9
North Dakota	343.9	345.7	352.0	8.8	10.1	9.5	2.5	2.9	2.7
Bismarck	52.2	53.0	53.8	1.2	1.6	1.2	2.2	3.0	2.2
Fargo-Moorhead	97.9	100.5	100.7	2.1	2.3	1.8	2.1	2.3	1.6
Grand Forks	54.7	55.7	54.4	1.7	1.7	3.5	3.2	3.1	6.4
Ohio	5,638.5	5,693.5	5,746.5	258.4	262.2	242.6	4.6	4.6	4.2
Akron	361.5	362.8	367.7	15.4	15.9	14.7	4.3	4.4	4.0
Canton-Massillon	200.7	203.6	205.3	11.0	10.4	10.0	5.5	5.1	4.9
Cincinnati	819.0	827.4	837.2	33.7	30.8	28.8	4.1	3.7	3.4
Cleveland-Lorain-Elyria	1,100.1	1,114.5	1,124.4	52.6	55.2	48.8	4.8	5.0	4.3
Columbus	792.4	800.9	811.2	23.8	22.8	22.1	3.0	2.8	2.7
Dayton-Springfield	471.0	475.4	479.2	18.4	18.4	18.1	4.1	3.9	3.8
Hamilton-Middletown	167.8	169.5	170.9	6.7	5.7	6.0	4.0	3.4	3.5
Lima	75.7	76.2	77.2	4.2	3.8	3.5	5.5	5.0	4.6
Mansfield	83.8	84.7	85.3	4.9	4.7	4.2	5.9	5.8	5.0
Steubenville-Weirton	58.6	57.7	57.4	3.5	7.6	6.5	6.0	13.2	11.3
Toledo	313.4	314.2	317.6	13.3	13.9	13.1	4.3	4.4	4.1
Youngstown-Warren	283.5	284.1	286.3	16.1	16.4	15.6	5.7	5.8	5.5
Oklahoma	1,574.3	1,599.0	1,602.4	65.8	52.6	57.7	4.2	3.3	3.6
Enid	26.7	27.0	27.0	1.0	.7	.8	3.7	2.5	2.9
Lawton	41.4	41.1	41.7	2.1	1.7	1.8	5.0	4.1	4.3
Oklahoma City	514.0	522.0	522.3	16.5	13.3	15.3	3.2	2.6	2.9
Tulsa	383.1	395.2	397.2	13.7	11.2	12.3	3.6	2.8	3.1
Oregon	1,726.3	1,723.0	1,708.6	95.0	99.0	79.3	5.5	5.7	4.6
Eugene-Springfield	162.1	160.5	159.1	8.6	9.0	7.2	5.3	5.6	4.5
Medford-Ashland	86.0	84.2	83.2	6.6	6.7	5.1	7.7	8.0	6.1
Portland-Vancouver	1,004.0	1,015.6	1,010.3	44.1	42.6	36.4	4.4	4.2	3.6
Salem	164.0	162.0	161.4	8.9	9.6	7.8	5.5	5.9	4.8
Pennsylvania	5,879.5	5,924.1	5,984.8	327.4	310.3	318.4	5.6	5.2	5.3
Allentown-Bethlehem-Easton	304.4	305.8	309.0	17.6	15.7	16.2	5.8	5.1	5.2
Alltoona	61.5	62.1	62.5	3.8	3.6	3.9	6.2	5.8	6.2
Erie	139.0	140.6	141.2	8.9	8.7	8.9	6.4	6.2	8.3
Harrisburg-Lebanon-Carlisle	343.0	347.6	351.9	12.0	11.2	11.7	3.5	3.2	3.3
Johnstown	107.1	107.3	108.2	8.4	8.7	8.3	7.9	8.1	7.7
Lancaster	232.1	237.8	240.9	8.1	6.4	6.8	3.5	2.7	2.8
Philadelphia	2,460.7	2,472.5	2,489.4	132.9	117.5	124.2	5.4	4.8	5.0
Pittsburgh	1,139.4	1,146.0	1,157.4	59.7	57.7	59.6	5.2	5.0	5.1
Reading	179.2	182.7	187.0	8.3	7.7	8.6	4.6	4.2	4.6
Scranton-Wilkes-Barre-Hazleton	309.3	312.0	315.3	22.3	22.7	23.0	7.2	7.3	7.3
Sharon	55.8	56.9	57.7	2.7	3.7	3.7	4.8	6.6	6.4
State College	64.8	67.1	66.4	1.9	1.9	1.8	2.9	2.8	2.6
Williamsport	57.1	58.1	59.3	3.8	3.7	3.8	6.6	6.3	6.3
York	192.5	193.0	195.1	9.7	8.2	8.7	5.1	4.3	4.5
Rhode Island	490.0	490.4	496.1	22.3	23.7	25.5	4.6	4.8	5.1
Providence-Fall River-Warwick	564.1	564.7	568.2	28.6	29.8	30.5	5.1	5.3	5.4

See footnotes at end of table.

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

C-3. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P	May 1996	Apr. 1997	May 1997 ^P
South Carolina	1,852.9	1,886.1	1,898.3	103.1	82.6	83.7	5.6	4.4	4.4
Charleston-North Charleston	242.4	247.6	250.8	12.9	10.4	10.5	5.3	4.2	4.2
Columbia	259.1	268.3	270.4	9.5	7.0	7.4	3.7	2.6	2.7
Greenville-Spartanburg-Anderson	487.6	483.1	486.3	16.6	15.2	15.7	4.0	3.1	3.2
South Dakota	392.0	388.8	394.2	10.9	10.3	9.1	2.8	2.6	2.3
Rapid City	44.9	45.8	46.2	1.3	1.3	1.2	3.0	2.8	2.5
Sioux Falls	93.4	95.2	94.2	1.8	1.6	1.5	1.9	1.7	1.8
Tennessee	2,714.6	2,721.2	2,726.0	127.7	129.9	123.5	4.7	4.8	4.5
Chattanooga	218.5	218.4	218.3	9.2	9.9	10.3	4.2	4.5	4.7
Johnson City-Kingsport-Bristol	225.2	227.4	226.8	10.1	10.1	10.3	4.5	4.4	4.5
Knoxville	344.0	337.7	338.9	13.1	14.4	12.5	3.8	4.3	3.7
Memphis	529.0	534.7	537.6	22.2	21.5	21.7	4.2	4.0	4.0
Nashville	612.3	612.8	617.0	18.2	18.4	18.4	3.0	3.2	3.0
Texas	9,668.6	9,832.0	9,871.2	521.1	507.8	504.9	5.4	5.2	5.1
Abilene	60.5	60.8	60.6	3.0	2.4	2.5	5.0	4.0	4.2
Amarillo	111.8	113.9	114.7	4.0	4.2	4.3	3.6	3.7	3.8
Austin-San Marcos	630.1	639.1	636.7	17.6	18.3	18.4	2.8	2.9	2.9
Beaumont-Port Arthur	179.2	179.3	179.3	16.1	14.6	14.1	9.0	8.1	7.8
Brazoria	104.0	106.9	106.8	6.7	7.6	7.7	6.5	7.1	7.2
Brownsville-Harlingen-San Benito	123.8	124.9	125.1	15.3	15.1	14.8	12.4	12.1	11.9
Bryan-College Station	89.8	71.8	71.7	1.7	1.4	1.5	2.5	2.0	2.0
Corpus Christi	177.6	181.8	181.9	13.5	13.9	13.7	7.6	7.6	7.5
Dallas	1,735.6	1,794.5	1,804.1	68.1	83.7	84.6	3.9	3.6	3.6
El Paso	286.6	289.4	291.4	31.9	31.3	31.5	11.1	10.8	10.8
Fort Worth-Arlington	834.1	847.4	852.8	32.3	29.3	29.7	3.9	3.5	3.5
Galveston-Texas City	128.0	126.5	126.6	9.8	10.3	9.9	7.7	8.1	7.8
Houston	2,001.6	2,025.8	2,037.8	102.2	102.5	101.8	5.1	5.1	5.0
Killeen-Temple	112.4	113.2	113.7	5.1	5.5	5.5	4.5	4.8	4.8
Laredo	68.5	69.9	70.0	8.4	7.3	6.9	12.3	10.5	9.8
Longview-Marshall	101.6	102.7	102.8	7.5	7.2	7.2	7.4	7.0	7.0
Lubbock	121.2	122.7	123.1	4.6	4.5	4.6	3.8	3.6	3.7
McAllen-Edinburg-Mission	190.8	194.6	194.4	31.4	31.8	30.8	16.5	16.4	15.9
Odessa-Midland	119.8	120.3	120.4	6.8	6.3	6.3	5.7	5.2	5.2
San Angelo	50.1	50.9	51.3	1.7	1.6	1.8	3.4	3.2	3.4
San Antonio	728.4	737.3	742.0	29.8	27.1	28.3	4.1	3.7	3.8
Sherman-Denison	49.3	49.4	49.6	2.1	2.3	2.3	4.3	4.7	4.6
Texarkana	56.7	56.9	57.2	4.0	4.0	4.2	7.0	7.0	7.3
Tyler	85.8	88.7	88.6	5.5	4.7	4.7	8.5	5.3	5.3
Victoria	41.4	42.1	42.2	2.0	2.2	2.2	4.8	5.2	5.1
Waco	98.2	101.0	100.1	4.2	4.2	4.4	4.3	4.2	4.4
Wichita Falls	65.6	65.9	65.9	2.8	2.8	2.7	4.3	4.2	4.0
Utah	984.9	1,030.4	1,036.4	32.8	29.7	29.5	3.3	2.9	2.8
Provo-Orem	142.7	154.3	151.9	4.1	3.7	3.7	2.8	2.4	2.4
Salt Lake City-Ogden	635.4	662.2	670.3	19.4	17.7	17.9	3.1	2.7	2.7
Vermont	322.8	328.0	327.0	13.5	13.6	11.9	4.2	4.2	3.6
Burlington	96.5	98.1	98.4	2.5	2.7	2.3	2.6	2.8	2.4
Virginia	3,397.9	3,515.7	3,532.8	146.1	137.5	148.2	4.3	3.9	4.2
Charlottesville	70.5	75.2	74.0	1.7	1.7	1.8	2.4	2.2	2.4
Danville	57.1	58.5	59.3	4.5	3.8	4.5	7.9	8.5	7.5
Lynchburg	102.8	106.4	106.2	3.6	3.9	4.0	3.5	3.6	3.8
Norfolk-Virginia Beach-Newport News	714.4	748.1	752.4	34.2	35.1	39.7	4.8	4.7	5.3
Richmond-Petersburg	492.7	505.1	504.9	18.7	17.1	18.9	3.8	3.4	3.7
Roanoke	127.9	133.0	133.9	3.4	4.6	4.6	2.6	3.8	3.6
Washington	2,879.2	2,920.4	2,939.9	184.1	147.2	133.6	6.4	5.0	4.5
Seattle-Bellevue-Everett	1,271.4	1,313.1	1,323.1	64.1	46.2	43.5	5.0	3.5	3.3
Spokane	203.3	200.2	201.5	10.7	9.8	8.3	5.3	4.8	4.1
Tacoma	318.0	329.3	330.6	19.9	15.5	14.6	6.3	4.7	4.4

See footnotes at end of table.

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

C-3. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	May 1986	Apr. 1997	May 1997 ^P	May 1986	Apr. 1997	May 1997 ^P	May 1986	Apr. 1997	May 1997 ^P
West Virginia	819.3	803.5	802.1	58.2	60.6	46.5	7.1	7.5	5.8
Charleston	130.5	129.7	129.6	7.0	7.0	5.6	5.3	5.4	4.3
Huntington-Ashland	136.8	138.0	137.5	9.5	9.2	8.5	8.9	6.7	6.2
Parkersburg-Marietta	77.4	76.8	77.9	5.0	4.5	3.9	6.4	5.9	5.0
Wheeling	73.3	74.8	73.9	4.2	5.8	4.4	5.8	7.7	6.0
Wisconsin	2,909.3	2,902.4	2,915.5	99.7	108.4	95.2	3.4	3.7	3.3
Appleton-Oshkosh-Neenah	220.1	219.5	219.8	6.2	6.9	5.9	2.8	3.1	2.7
Eau Claire	80.0	81.1	80.9	2.8	3.3	2.5	3.5	4.1	3.1
Green Bay	129.2	130.0	129.6	4.0	4.1	3.8	3.1	3.2	3.0
Janesville-Beloit	79.3	77.7	78.2	2.7	3.0	3.2	3.5	3.8	4.1
Kenosha	76.5	75.5	75.6	2.6	2.4	2.5	3.4	3.2	3.2
La Crosse	71.3	71.8	71.1	2.0	2.2	1.7	2.7	3.0	2.4
Madison	255.5	258.4	258.6	4.1	4.3	3.9	1.6	1.7	1.5
Milwaukee-Waukesha	796.0	796.7	798.7	28.6	26.6	27.6	3.6	3.3	3.5
Racine	93.9	93.7	94.3	3.8	3.7	3.5	4.0	3.9	3.7
Sheboygan	61.2	61.2	61.8	1.7	1.4	1.4	2.8	2.3	2.3
Wausau	71.3	70.4	71.1	2.5	2.7	2.2	3.5	3.9	3.1
Wyoming	255.6	256.2	255.1	11.9	13.3	11.1	4.6	5.2	4.4
Casper	32.5	33.7	33.1	2.0	1.9	1.7	6.1	5.7	5.2
Puerto Rico	1,274.3	1,294.3	1,295.7	184.1	175.9	175.5	14.4	13.8	13.5
Caguas	109.5	112.9	114.7	14.6	13.7	13.6	13.4	12.1	11.9
Mayaguez	91.9	91.8	91.6	14.8	14.7	16.5	16.1	16.0	18.0
Ponce	109.4	108.4	108.5	21.5	20.1	19.5	19.7	18.5	18.0
San Juan-Bayamon	894.0	702.1	702.2	80.0	74.5	73.2	11.5	10.6	10.4

^P = preliminary.

NOTE: Data refer to place of residence. All estimates are provisional and will

be revised when new benchmark and population information becomes available.

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

D-1. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Civilian noninstitutional population ¹	196,522	197,050	197,600	197,882	198,296	198,807	199,352	199,776	200,280	200,850	201,457	202,396	202,835
Civilian labor force	130,687	131,050	131,790	132,203	132,175	132,332	132,506	133,144	133,632	134,118	134,830	135,934	136,157
Percent of population	66.5	66.5	66.7	66.8	66.7	66.6	66.5	66.6	66.7	66.8	66.9	67.2	67.1
Employed	122,648	123,178	124,405	124,924	124,711	124,820	125,142	125,693	126,381	127,042	127,705	128,728	129,462
Employment-population ratio ²	62.4	62.5	63.0	63.1	62.9	62.8	62.8	62.9	63.1	63.3	63.4	63.6	63.8
Unemployed	8,039	7,872	7,385	7,279	7,464	7,512	7,364	7,451	7,251	7,076	7,124	7,206	6,695
Unemployment rate	6.2	6.0	5.6	5.5	5.6	5.7	5.6	5.6	5.4	5.3	5.3	5.3	4.9
Men, 16 years and over													
Civilian noninstitutional population ¹	94,203	94,474	94,764	94,815	95,029	95,292	95,578	95,787	96,048	96,337	96,651	97,324	97,560
Civilian labor force	70,517	70,744	71,319	71,522	71,355	71,278	71,306	71,755	72,051	72,122	72,380	73,120	73,225
Percent of population	74.9	74.9	75.3	75.4	75.1	74.8	74.6	74.9	75.0	75.0	74.9	75.1	75.1
Employed	66,171	66,450	67,304	67,606	67,347	67,252	67,319	67,708	68,124	68,349	68,648	69,291	69,708
Employment-population ratio ²	70.2	70.3	71.0	71.3	70.9	70.6	70.4	70.7	70.9	70.9	71.0	71.2	71.5
Agriculture	2,540	2,546	2,629	2,665	2,559	2,528	2,492	2,589	2,550	2,576	2,583	2,555	2,638
Nonagricultural industries	63,631	63,904	64,675	64,941	64,788	64,724	64,828	65,120	65,573	65,774	66,064	66,737	67,070
Unemployed	4,346	4,294	4,015	3,917	4,009	4,025	3,987	4,047	3,927	3,772	3,732	3,829	3,517
Unemployment rate	6.2	6.1	5.6	5.5	5.6	5.6	5.6	5.6	5.5	5.2	5.2	5.2	4.8
Not in labor force	23,686	23,730	23,445	23,293	23,673	24,014	24,271	24,032	23,997	24,216	24,271	24,203	24,336
Men, 20 years and over													
Civilian noninstitutional population ¹	87,014	87,231	87,528	87,574	87,702	87,888	88,082	88,295	88,513	88,666	88,950	89,536	89,758
Civilian labor force	66,641	66,836	67,395	67,519	67,320	67,208	67,272	67,710	67,971	68,107	68,344	68,979	69,124
Percent of population	76.6	76.6	77.0	77.1	76.8	76.5	76.4	76.7	76.8	76.8	76.8	77.0	77.0
Employed	63,061	63,279	64,064	64,315	64,052	63,947	64,043	64,412	64,765	65,071	65,338	65,899	66,309
Employment-population ratio ²	72.5	72.5	73.2	73.4	73.0	72.8	72.7	73.0	73.2	73.4	73.5	73.6	73.9
Agriculture	2,363	2,338	2,391	2,432	2,328	2,309	2,284	2,376	2,323	2,360	2,370	2,334	2,422
Nonagricultural industries	60,698	60,940	61,673	61,884	61,724	61,638	61,759	62,036	62,441	62,712	62,968	63,565	63,887
Unemployed	3,579	3,558	3,332	3,204	3,269	3,261	3,230	3,298	3,206	3,036	3,006	3,080	2,815
Unemployment rate	5.4	5.3	4.9	4.7	4.9	4.9	4.8	4.9	4.7	4.5	4.4	4.5	4.1
Not in labor force	20,373	20,395	20,133	20,055	20,382	20,680	20,809	20,585	20,542	20,559	20,606	20,557	20,634
Women, 16 years and over													
Civilian noninstitutional population ¹	102,319	102,576	102,837	103,067	103,267	103,515	103,774	103,988	104,232	104,512	104,807	105,072	105,275
Civilian labor force	60,171	60,306	60,471	60,681	60,820	61,054	61,200	61,389	61,581	61,996	62,450	62,813	62,932
Percent of population	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.1	59.3	59.6	59.8	59.8
Employed	56,478	56,729	57,101	57,319	57,364	57,568	57,823	57,985	58,257	58,692	59,058	59,437	59,754
Employment-population ratio ²	55.2	55.3	55.5	55.6	55.5	55.6	55.7	55.8	55.9	56.2	56.3	56.6	56.8
Agriculture	837	869	917	913	900	836	879	900	881	880	827	827	801
Nonagricultural industries	55,640	55,860	56,184	56,405	56,464	56,732	56,944	57,084	57,376	57,812	58,231	58,610	58,953
Unemployed	3,893	3,578	3,370	3,362	3,456	3,487	3,377	3,404	3,324	3,304	3,392	3,377	3,178
Unemployment rate	6.1	5.9	5.6	5.5	5.7	5.7	5.5	5.5	5.4	5.3	5.4	5.4	5.1
Not in labor force	42,148	42,270	42,366	42,386	42,447	42,461	42,574	42,599	42,651	42,516	42,357	42,259	42,343
Women, 20 years and over													
Civilian noninstitutional population ¹	95,339	95,557	95,808	96,008	96,148	96,334	96,558	96,757	96,927	97,145	97,371	97,577	97,762
Civilian labor force	56,526	56,761	56,880	56,968	57,081	57,323	57,474	57,672	57,870	58,239	58,578	58,922	59,103
Percent of population	59.3	59.4	59.4	59.3	59.4	59.5	59.5	59.6	59.7	60.0	60.2	60.4	60.5
Employed	53,439	53,751	54,076	54,181	54,232	54,457	54,702	54,861	55,113	55,486	55,768	56,160	56,488
Employment-population ratio ²	56.1	56.2	56.4	56.4	56.4	56.5	56.7	56.7	56.9	57.1	57.3	57.6	57.8
Agriculture	788	825	873	873	849	785	823	845	836	839	786	770	754
Nonagricultural industries	52,651	52,925	53,203	53,308	53,383	53,672	53,879	54,016	54,277	54,647	54,982	55,389	55,732
Unemployed	3,087	3,010	2,804	2,785	2,849	2,866	2,772	2,811	2,758	2,754	2,810	2,763	2,617
Unemployment rate	5.5	5.3	4.9	4.9	5.0	5.0	4.8	4.9	4.8	4.7	4.8	4.7	4.4
Not in labor force	38,813	38,796	38,927	39,040	39,067	39,011	39,084	39,086	39,057	38,906	38,793	38,654	38,659
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,169	14,262	14,264	14,302	14,446	14,585	14,712	14,723	14,839	15,038	15,136	15,283	15,315
Civilian labor force	7,521	7,453	7,514	7,718	7,774	7,801	7,760	7,763	7,790	7,771	7,907	8,033	7,929
Percent of population	53.1	52.3	52.7	54.0	53.8	53.5	52.7	52.7	52.5	51.7	52.2	52.6	51.8
Employed	6,148	6,149	6,265	6,428	6,427	6,416	6,397	6,420	6,504	6,485	6,599	6,669	6,667
Employment-population ratio ²	43.4	43.1	43.9	44.9	44.5	44.0	43.5	43.6	43.8	43.1	43.6	43.6	43.5
Agriculture	226	251	282	273	282	270	263	267	272	257	254	278	263
Nonagricultural industries	5,922	5,898	5,983	6,155	6,145	6,146	6,134	6,153	6,232	6,227	6,345	6,392	6,404
Unemployed	1,372	1,304	1,249	1,290	1,347	1,385	1,362	1,343	1,287	1,287	1,309	1,363	1,262
Unemployment rate	18.2	17.5	16.6	16.7	17.3	17.8	17.6	17.3	16.5	16.6	16.6	17.0	15.9
Not in labor force	6,648	6,809	6,750	6,584	6,672	6,784	6,952	6,961	7,049	7,267	7,229	7,251	7,388

¹ The population figures are not adjusted for seasonal variation.

² Employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the seasonally adjusted data shown in tables D-1 through D-10 will not necessarily add to totals because of the

independent seasonal adjustment of the various series. Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-2. 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	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
WHITE													
Civilian noninstitutional population ¹	165,361	165,701	166,067	166,442	166,715	167,063	167,438	167,760	168,098	168,491	168,918	169,499	169,785
Civilian labor force	110,758	111,142	111,667	111,831	111,823	112,062	112,093	112,562	112,895	113,126	113,811	114,482	114,646
Percent of population	67.0	67.1	67.2	67.2	67.1	67.1	66.9	67.1	67.2	67.1	67.4	67.5	67.5
Employed	104,833	105,315	106,239	106,489	106,301	106,589	106,584	107,074	107,558	107,977	108,610	109,326	109,901
Employment-population ratio ²	63.4	63.6	64.0	64.0	63.8	63.8	63.7	63.8	64.0	64.1	64.3	64.5	64.7
Unemployed	5,925	5,827	5,428	5,343	5,522	5,473	5,509	5,488	5,337	5,148	5,200	5,156	4,745
Unemployment rate	5.3	5.2	4.9	4.8	4.9	4.9	4.9	4.9	4.7	4.6	4.6	4.5	4.1
Men, 20 years and over													
Civilian labor force	57,159	57,420	57,748	57,817	57,649	57,662	57,763	58,104	58,273	58,374	58,570	59,057	59,097
Percent of population	77.0	77.2	77.4	77.4	77.1	76.9	76.9	77.2	77.3	77.3	77.4	77.6	77.5
Employed	54,447	54,748	55,236	55,376	55,143	55,209	55,299	55,631	55,873	56,090	56,309	56,756	57,050
Employment-population ratio ²	73.4	73.6	74.1	74.2	73.7	73.7	73.6	73.9	74.1	74.3	74.4	74.6	74.8
Unemployed	2,712	2,672	2,512	2,441	2,505	2,453	2,464	2,473	2,401	2,284	2,262	2,300	2,047
Unemployment rate	4.7	4.7	4.3	4.2	4.3	4.3	4.3	4.3	4.1	3.9	3.9	3.9	3.5
Women, 20 years and over													
Civilian labor force	47,179	47,418	47,531	47,468	47,586	47,861	47,813	47,888	48,028	48,183	48,541	48,694	48,820
Percent of population	59.0	59.2	59.3	59.0	59.1	59.4	59.2	59.2	59.3	59.4	59.7	59.9	60.0
Employed	44,972	45,203	45,508	45,487	45,511	45,799	45,759	45,851	46,023	46,241	46,528	46,804	47,026
Employment-population ratio ²	56.3	56.5	56.8	56.6	56.5	56.8	56.7	56.7	56.8	57.0	57.3	57.6	57.8
Unemployed	2,206	2,215	2,023	1,981	2,075	2,062	2,054	2,037	2,005	1,942	2,014	1,890	1,794
Unemployment rate	4.7	4.7	4.3	4.2	4.4	4.3	4.3	4.3	4.2	4.0	4.1	3.9	3.7
Both sexes, 16 to 19 years													
Civilian labor force	6,421	6,304	6,388	6,546	6,588	6,539	6,516	6,569	6,594	6,568	6,699	6,731	6,729
Percent of population	57.1	55.8	56.5	57.6	57.6	56.9	56.3	56.4	56.0	55.3	55.9	55.5	55.4
Employed	5,414	5,364	5,495	5,626	5,647	5,581	5,525	5,591	5,662	5,646	5,774	5,766	5,825
Employment-population ratio ²	48.1	47.5	48.6	49.5	49.4	48.5	47.7	48.0	48.1	47.5	48.2	47.5	47.9
Unemployed	1,007	940	893	920	941	958	991	978	932	922	925	965	904
Unemployment rate	15.7	14.9	14.0	14.1	14.3	14.6	15.2	14.9	14.1	14.0	13.8	14.3	13.4
Men	17.0	16.1	14.9	15.2	15.3	15.5	16.4	15.9	15.2	15.5	15.2	14.9	14.4
Women	14.2	13.6	13.0	12.8	13.2	13.7	13.9	13.8	12.9	12.4	12.3	13.8	12.4
BLACK													
Civilian noninstitutional population ¹	22,826	22,918	23,022	23,116	23,194	23,285	23,388	23,454	23,549	23,650	23,761	23,871	23,950
Civilian labor force	14,496	14,458	14,584	14,772	14,813	14,745	14,939	14,954	15,051	15,231	15,291	15,407	15,399
Percent of population	63.5	63.1	63.3	63.9	63.9	63.3	63.9	63.8	63.9	64.4	64.4	64.5	64.3
Employed	12,809	12,892	13,039	13,269	13,268	13,125	13,456	13,372	13,498	13,626	13,671	13,722	13,831
Employment-population ratio ²	56.1	56.3	56.6	57.4	57.2	56.4	57.5	57.0	57.3	57.6	57.5	57.5	57.7
Unemployed	1,687	1,566	1,545	1,503	1,545	1,620	1,483	1,583	1,553	1,605	1,620	1,685	1,568
Unemployment rate	11.6	10.8	10.6	10.2	10.4	11.0	9.9	10.6	10.3	10.5	10.6	10.9	10.2
Men, 20 years and over													
Civilian labor force	6,646	6,602	6,716	6,790	6,764	6,693	6,681	6,753	6,758	6,852	6,857	6,799	6,854
Percent of population	72.6	71.9	72.7	73.4	73.0	72.0	71.7	72.1	71.9	72.8	72.4	71.5	71.8
Employed	5,969	5,947	6,104	6,220	6,165	6,071	6,099	6,088	6,119	6,229	6,233	6,177	6,262
Employment-population ratio ²	65.2	64.8	66.1	67.3	66.6	65.3	65.5	65.0	65.1	66.1	65.8	64.9	65.6
Unemployed	677	655	613	570	599	622	582	665	639	623	624	622	592
Unemployment rate	10.2	9.9	9.1	8.4	8.9	9.3	8.7	9.8	9.5	9.1	9.1	9.2	8.6
Women, 20 years and over													
Civilian labor force	7,022	7,009	7,002	7,129	7,153	7,109	7,307	7,294	7,357	7,456	7,510	7,617	7,650
Percent of population	61.2	60.9	60.6	61.3	61.3	60.8	62.2	61.9	62.3	62.9	63.1	63.7	63.8
Employed	6,317	6,388	6,374	6,494	6,534	6,471	6,722	6,678	6,736	6,796	6,835	6,888	6,964
Employment-population ratio ²	55.1	55.5	55.1	55.9	56.0	55.3	57.2	56.7	57.0	57.3	57.5	57.6	58.1
Unemployed	705	621	628	635	619	638	586	616	620	661	675	729	686
Unemployment rate	10.0	8.9	9.0	8.9	8.7	9.0	8.0	8.4	8.4	8.9	9.0	9.6	9.0

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-2. 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	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	828	847	866	853	897	943	951	907	936	923	924	991	896
Percent of population	37.6	38.1	38.9	38.0	39.4	41.3	40.8	39.2	40.0	38.7	38.7	41.2	37.1
Employed	523	558	561	555	569	583	636	605	642	601	603	656	606
Employment-population ratio ²	23.7	25.1	25.2	24.7	25.0	25.5	27.3	26.2	27.5	25.2	25.2	27.3	25.1
Unemployed	305	290	304	298	328	360	315	302	294	322	321	334	290
Unemployment rate	36.8	34.2	35.2	34.9	36.5	38.1	33.2	33.3	31.4	34.9	34.7	33.7	32.4
Men	40.3	36.9	34.0	35.6	38.6	39.4	35.1	35.7	33.7	39.5	38.7	40.4	36.9
Women	33.0	31.2	36.5	34.2	34.5	36.9	31.3	30.9	29.0	30.0	31.0	27.5	27.9
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	18,042	18,193	18,338	18,413	18,555	18,702	18,845	18,977	19,132	19,292	19,452	20,067	20,236
Civilian labor force	11,958	11,967	12,146	12,072	12,243	12,365	12,379	12,563	12,593	12,811	13,107	13,699	13,708
Percent of population	66.3	65.8	66.2	65.6	66.0	66.1	65.7	66.2	65.8	66.4	67.4	68.3	67.7
Employed	10,736	10,767	11,024	10,941	11,116	11,229	11,209	11,361	11,435	11,701	12,054	12,561	12,652
Employment-population ratio ²	59.5	59.2	60.1	59.4	59.9	60.0	59.5	59.9	59.8	60.7	62.0	62.6	62.5
Unemployed	1,222	1,200	1,122	1,130	1,127	1,137	1,170	1,202	1,158	1,109	1,053	1,138	1,056
Unemployment rate	10.2	10.0	9.2	9.4	9.2	9.2	9.5	9.6	9.2	8.7	8.0	8.3	7.7

¹ The population figures are not adjusted for seasonal variation.

² 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. Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-3. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time status, sex, and age	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
EMPLOYED													
Full-time workers	99,433	100,258	100,960	101,404	101,491	101,659	102,146	102,457	103,174	103,895	104,632	105,321	106,173
Men, 16 years and over	58,802	59,019	59,675	60,016	59,865	59,870	59,994	60,134	60,631	60,987	61,293	61,719	62,226
Men, 20 years and over	57,492	57,860	58,503	58,815	58,631	58,637	58,752	58,936	59,400	59,754	60,065	60,505	60,923
Women, 16 years and over	40,841	41,225	41,295	41,356	41,639	41,817	42,142	42,274	42,555	42,929	43,334	43,472	43,936
Women, 20 years and over	40,068	40,511	40,549	40,603	40,819	41,003	41,326	41,488	41,735	42,109	42,465	42,606	43,130
Both sexes, 16 to 19 years	1,873	1,887	1,908	1,987	2,041	2,018	2,067	2,034	2,038	2,032	2,102	2,209	2,121
Part-time workers	23,145	23,011	23,457	23,458	23,157	23,222	23,054	23,195	23,143	23,222	23,135	23,458	23,231
Men, 16 years and over	7,511	7,483	7,649	7,523	7,441	7,462	7,347	7,512	7,458	7,452	7,367	7,496	7,439
Men, 20 years and over	5,524	5,493	5,575	5,454	5,362	5,379	5,312	5,431	5,312	5,395	5,289	5,376	5,326
Women, 16 years and over	15,645	15,510	15,616	15,933	15,734	15,755	15,700	15,679	15,703	15,762	15,758	15,950	15,615
Women, 20 years and over	13,359	13,246	13,548	13,557	13,402	13,451	13,403	13,364	13,364	13,364	13,338	13,565	13,353
Both sexes, 16 to 19 years	4,261	4,272	4,335	4,447	4,393	4,392	4,339	4,400	4,467	4,463	4,507	4,517	4,551
UNEMPLOYED													
Looking for full-time work	6,551	6,404	5,970	5,783	5,946	6,003	5,909	5,963	5,822	5,645	5,739	5,750	5,373
Men, 16 years and over	3,743	3,693	3,456	3,240	3,409	3,453	3,378	3,352	3,321	3,213	3,209	3,155	2,975
Men, 20 years and over	3,328	3,287	3,079	2,945	3,007	3,023	2,982	3,028	2,946	2,602	2,780	2,611	2,592
Women, 16 years and over	2,817	2,739	2,537	2,457	2,555	2,572	2,557	2,560	2,523	2,462	2,561	2,519	2,423
Women, 20 years and over	2,532	2,478	2,278	2,221	2,290	2,284	2,264	2,277	2,263	2,214	2,279	2,236	2,137
Both sexes, 16 to 19 years	692	639	614	617	649	695	663	658	613	630	681	704	644
Looking for part-time work	1,484	1,468	1,431	1,485	1,520	1,510	1,464	1,483	1,428	1,434	1,392	1,450	1,323
Men, 16 years and over	621	617	588	585	618	598	638	639	623	598	557	598	563
Men, 20 years and over	252	272	260	249	265	240	252	263	262	241	230	265	226
Women, 16 years and over	867	844	856	890	903	910	844	831	808	830	850	841	768
Women, 20 years and over	553	536	533	556	562	583	511	529	497	538	535	520	482
Both sexes, 16 to 19 years	679	660	638	678	694	687	701	691	670	655	627	666	615
UNEMPLOYMENT RATES¹													
Full-time workers	6.2	6.0	5.6	5.4	5.5	5.6	5.5	5.5	5.3	5.2	5.2	5.2	4.8
Men, 16 years and over	6.0	5.9	5.5	5.1	5.4	5.5	5.3	5.3	5.2	5.0	5.0	4.9	4.8
Men, 20 years and over	5.5	5.4	5.0	4.8	4.9	4.9	4.8	4.9	4.7	4.5	4.4	4.4	4.1
Women, 16 years and over	6.5	6.2	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.4	5.8	5.5	5.2
Women, 20 years and over	5.9	5.8	5.3	5.2	5.3	5.3	5.2	5.2	5.1	5.0	5.1	5.0	4.7
Both sexes, 16 to 19 years	27.0	25.3	24.3	23.7	24.1	25.6	24.3	24.4	23.1	23.7	24.5	24.2	23.3
Part-time workers	6.0	6.0	5.7	6.0	6.2	6.1	6.0	6.0	5.8	5.8	5.7	5.8	5.4
Men, 16 years and over	7.6	7.6	7.1	7.2	7.7	7.4	8.0	7.8	7.7	7.4	7.0	7.4	7.0
Men, 20 years and over	4.4	4.7	4.5	4.4	4.7	4.3	4.5	4.6	4.7	4.3	4.2	4.7	4.1
Women, 16 years and over	5.3	5.2	5.1	5.3	5.4	5.5	5.1	5.0	4.9	5.0	5.1	5.0	4.6
Women, 20 years and over	4.0	3.9	3.8	4.0	4.0	4.2	3.7	3.8	3.6	3.9	3.9	3.7	3.5
Both sexes, 16 to 19 years	13.7	13.4	12.8	13.2	13.6	13.5	13.9	13.6	13.0	12.8	12.2	12.9	11.9

¹ These rates reflect a refined definition of the full- and part-time labor force and differ from the rates published elsewhere in this publication prior to 1994.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-4. Employed persons by marital status, occupation, class of worker, and part-time status, seasonally adjusted

(In thousands)

Category	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
MARITAL STATUS													
Total	122,648	123,178	124,405	124,924	124,711	124,820	125,142	125,693	126,381	127,042	127,705	128,728	129,462
Married men, spouse present	41,327	41,426	41,576	41,976	41,963	42,105	42,155	42,233	42,347	42,474	42,618	42,644	42,350
Married women, spouse present	31,321	31,561	31,777	31,970	32,019	32,093	32,162	32,146	32,259	32,659	32,559	32,701	32,479
Women who maintain families	7,051	7,036	7,094	7,098	7,165	7,181	7,214	7,317	7,351	7,337	7,445	7,592	7,847
OCCUPATION													
Managerial and professional specialty	33,851	33,971	34,373	34,784	35,145	35,635	35,695	35,897	36,351	36,623	37,109	37,575	37,470
Technical, sales, and administrative support	36,964	37,299	37,680	37,449	37,397	37,525	37,274	37,418	37,612	37,797	37,891	38,132	38,218
Service occupations	16,969	16,827	16,867	17,036	16,957	16,815	16,912	16,844	17,181	17,353	17,325	17,211	17,356
Precision production, craft, and repair	13,402	13,464	13,617	13,698	13,550	13,432	13,436	13,662	13,533	13,608	13,556	14,080	14,348
Operators, fabricators, and laborers	17,894	18,004	18,068	18,179	18,087	17,875	18,141	18,166	18,225	18,131	18,268	18,231	18,553
Farming, forestry, and fishing	3,590	3,644	3,742	3,768	3,633	3,574	3,628	3,692	3,546	3,546	3,502	3,474	3,594
CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,677	1,715	1,813	1,889	1,793	1,792	1,799	1,913	1,897	1,836	1,840	1,942	1,953
Self-employed workers	1,655	1,636	1,680	1,653	1,618	1,530	1,527	1,543	1,488	1,543	1,500	1,405	1,424
Unpaid family workers	44	53	50	40	55	44	41	42	45	69	68	45	53
Nonagricultural industries:													
Wage and salary workers	110,120	110,623	111,809	112,344	112,322	112,358	112,754	113,175	113,839	114,527	115,121	116,027	116,744
Private industries	91,831	92,341	93,474	93,842	93,876	94,086	94,519	95,012	95,563	96,315	96,898	97,853	98,763
Private households	1,006	922	971	1,026	952	924	955	914	876	961	961	917	920
Other industries	90,824	91,419	92,503	92,816	92,924	93,162	93,564	94,098	94,688	95,354	95,938	96,935	97,843
Government	18,289	18,282	18,335	18,502	18,446	18,272	18,235	18,163	18,276	18,212	18,223	18,174	17,981
Self-employed workers	9,027	8,998	8,911	8,912	8,819	8,982	8,899	8,972	8,985	8,897	9,033	9,287	9,130
Unpaid family workers	137	132	124	117	113	108	103	103	117	126	142	135	135
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	4,789	4,378	4,445	4,525	4,469	4,475	4,423	4,363	4,367	4,326	4,202	4,280	4,149
Slack work or business conditions	2,480	2,390	2,394	2,406	2,459	2,499	2,527	2,435	2,409	2,462	2,239	2,381	2,389
Could only find part-time work	1,976	1,692	1,748	1,791	1,718	1,686	1,607	1,587	1,622	1,587	1,632	1,540	1,456
Part time for noneconomic reasons	17,427	17,686	17,791	17,898	17,821	17,890	17,491	17,600	17,772	17,961	17,860	18,177	18,278
Nonagricultural industries:													
Part time for economic reasons	4,601	4,187	4,237	4,297	4,259	4,298	4,261	4,129	4,174	4,154	4,032	4,066	3,941
Slack work or business conditions	2,379	2,268	2,256	2,275	2,320	2,374	2,420	2,293	2,293	2,339	2,121	2,266	2,251
Could only find part-time work	1,938	1,658	1,702	1,739	1,679	1,655	1,574	1,557	1,585	1,562	1,604	1,503	1,416
Part time for noneconomic reasons	16,832	17,040	17,111	17,244	17,128	17,286	16,868	16,965	17,135	17,336	17,224	17,585	17,701

¹Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who usually work full time but worked only 1 to 34 hours during

the reference week for reasons such as holidays, illness, and bad weather.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-5. Employed persons by age and sex, seasonally adjusted

(In thousands)

Age and sex	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	122,648	123,178	124,405	124,924	124,711	124,820	125,142	125,693	126,381	127,042	127,705	128,728	129,462
16 to 24 years	18,917	18,918	19,095	19,162	18,988	18,733	18,573	18,576	18,676	18,547	18,764	19,009	19,075
16 to 19 years	6,148	6,149	6,265	6,428	6,427	6,416	6,397	6,420	6,504	6,485	6,599	6,669	6,667
16 to 17 years	2,472	2,535	2,610	2,574	2,595	2,567	2,555	2,589	2,647	2,644	2,703	2,653	2,644
18 to 19 years	3,681	3,613	3,640	3,840	3,853	3,863	3,832	3,818	3,870	3,845	3,884	4,003	4,029
20 to 24 years	12,769	12,769	12,830	12,734	12,560	12,317	12,175	12,156	12,173	12,062	12,165	12,339	12,408
25 years and over	103,711	104,271	105,307	105,762	105,717	106,106	106,560	107,092	107,709	108,530	108,931	109,718	110,377
25 to 54 years	88,824	89,402	90,235	90,697	90,724	90,975	91,346	91,793	92,349	93,040	93,376	93,834	94,377
55 years and over	14,865	14,877	15,088	15,053	14,968	15,132	15,242	15,282	15,333	15,502	15,593	15,883	15,989
Men, 16 years and over	66,171	66,450	67,304	67,606	67,347	67,252	67,319	67,708	68,124	68,349	68,648	69,291	69,708
16 to 24 years	9,872	9,952	10,100	10,115	10,042	9,917	9,760	9,762	9,783	9,677	9,741	9,940	10,023
16 to 19 years	3,109	3,171	3,240	3,290	3,295	3,306	3,277	3,296	3,359	3,278	3,309	3,393	3,399
16 to 17 years	1,253	1,305	1,366	1,313	1,334	1,323	1,292	1,307	1,331	1,293	1,341	1,349	1,342
18 to 19 years	1,859	1,857	1,865	1,971	1,977	1,982	1,981	1,990	2,040	1,978	1,963	2,043	2,058
20 to 24 years	6,763	6,781	6,860	6,824	6,747	6,611	6,484	6,465	6,424	6,399	6,431	6,547	6,624
25 years and over	56,271	56,523	57,203	57,491	57,278	57,370	57,552	57,929	58,318	58,724	58,897	59,334	59,639
25 to 54 years	48,136	48,254	48,845	49,101	49,003	48,991	49,081	49,394	49,688	50,012	50,214	50,498	50,723
55 years and over	8,133	8,246	8,385	8,384	8,271	8,353	8,505	8,525	8,626	8,691	8,719	8,840	8,928
Women, 16 years and over	56,478	56,729	57,101	57,319	57,364	57,568	57,823	57,985	58,257	58,692	59,058	59,437	59,754
16 to 24 years	9,045	8,966	8,995	9,047	8,946	8,816	8,812	8,815	8,893	8,869	9,023	9,069	9,052
16 to 19 years	3,039	2,978	3,025	3,138	3,132	3,110	3,121	3,124	3,145	3,207	3,289	3,277	3,268
16 to 17 years	1,219	1,230	1,245	1,261	1,261	1,244	1,263	1,282	1,316	1,351	1,363	1,304	1,302
18 to 19 years	1,821	1,756	1,775	1,869	1,876	1,881	1,850	1,828	1,830	1,867	1,921	1,960	1,971
20 to 24 years	6,006	5,988	5,970	5,909	5,814	5,706	5,692	5,691	5,749	5,663	5,734	5,792	5,784
25 years and over	47,440	47,748	48,104	48,272	48,439	48,736	49,008	49,163	49,391	49,806	50,034	50,384	50,738
25 to 54 years	40,687	41,148	41,390	41,595	41,721	41,984	42,265	42,399	42,661	43,027	43,162	43,336	43,654
55 years and over	6,732	6,630	6,703	6,669	6,697	6,779	6,737	6,757	6,707	6,811	6,874	7,043	7,062

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

D-6. Unemployed persons by age and sex, seasonally adjusted

(In thousands)

Age and sex	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	8,039	7,872	7,385	7,279	7,464	7,512	7,364	7,451	7,251	7,076	7,124	7,206	6,695
16 to 24 years	2,754	2,661	2,505	2,511	2,563	2,700	2,592	2,647	2,532	2,478	2,512	2,587	2,416
16 to 19 years	1,372	1,304	1,249	1,290	1,347	1,385	1,362	1,343	1,287	1,267	1,309	1,363	1,262
16 to 17 years	668	625	580	634	650	668	657	638	626	607	598	620	583
18 to 19 years	714	673	677	646	701	713	717	694	662	678	724	732	679
20 to 24 years	1,382	1,357	1,256	1,221	1,217	1,315	1,230	1,304	1,245	1,192	1,204	1,224	1,154
25 years and over	5,285	5,216	4,895	4,753	4,902	4,815	4,783	4,792	4,719	4,605	4,621	4,606	4,282
25 to 54 years	4,639	4,593	4,304	4,192	4,309	4,228	4,211	4,219	4,158	4,064	4,110	4,099	3,780
55 years and over	633	619	597	567	586	584	574	574	548	543	514	512	494
Men, 16 years and over	4,346	4,294	4,015	3,917	4,009	4,025	3,987	4,047	3,927	3,772	3,732	3,829	3,517
16 to 24 years	1,531	1,502	1,391	1,362	1,392	1,481	1,440	1,458	1,420	1,371	1,371	1,405	1,288
16 to 19 years	767	737	683	713	740	764	757	749	721	736	726	749	702
16 to 17 years	375	335	308	340	352	361	359	358	348	352	329	347	324
18 to 19 years	403	395	382	363	395	400	407	381	376	381	407	391	380
20 to 24 years	765	765	707	650	652	717	683	709	700	634	645	655	587
25 years and over	2,817	2,800	2,629	2,541	2,619	2,553	2,548	2,578	2,507	2,411	2,359	2,417	2,230
25 to 54 years	2,453	2,437	2,278	2,223	2,277	2,224	2,234	2,271	2,212	2,106	2,070	2,117	1,955
55 years and over	363	361	346	325	343	329	307	309	293	307	285	305	274
Women, 16 years and over	3,693	3,578	3,370	3,362	3,456	3,487	3,377	3,404	3,324	3,304	3,392	3,377	3,178
16 to 24 years	1,223	1,159	1,114	1,149	1,171	1,219	1,152	1,188	1,111	1,108	1,141	1,183	1,128
16 to 19 years	606	567	565	577	607	621	605	594	566	550	583	614	561
16 to 17 years	293	290	272	294	298	307	298	281	278	254	269	272	260
18 to 19 years	311	277	295	283	306	314	310	313	285	297	317	341	298
20 to 24 years	617	592	549	572	565	598	547	595	545	557	558	568	567
25 years and over	2,468	2,415	2,266	2,212	2,283	2,262	2,235	2,214	2,212	2,193	2,262	2,190	2,051
25 to 54 years	2,187	2,156	2,026	1,969	2,032	2,004	1,977	1,948	1,946	1,958	2,041	1,982	1,824
55 years and over	270	258	251	242	243	256	267	265	255	236	229	207	220

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-7. Unemployment rates by age and sex, seasonally adjusted

Age and sex	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	6.2	6.0	5.6	5.5	5.6	5.7	5.6	5.6	5.4	5.3	5.3	5.3	4.9
16 to 24 years	12.7	12.3	11.6	11.6	11.9	12.6	12.2	12.5	11.9	11.8	11.8	12.0	11.2
16 to 19 years	18.2	17.5	16.6	16.7	17.3	17.8	17.6	17.3	16.5	16.6	16.6	17.0	15.9
16 to 17 years	21.3	19.8	18.2	19.8	20.0	20.7	20.5	19.8	19.1	18.7	18.1	18.9	18.1
18 to 19 years	16.2	15.7	15.7	14.4	15.4	15.6	15.8	15.4	14.6	15.0	15.7	15.5	14.4
20 to 24 years	9.8	9.6	8.9	8.8	8.8	9.6	9.2	9.7	9.3	9.0	9.0	9.0	8.5
25 years and over	4.8	4.8	4.4	4.3	4.4	4.3	4.3	4.3	4.2	4.1	4.1	4.0	3.7
25 to 54 years	5.0	4.9	4.6	4.4	4.5	4.4	4.4	4.4	4.3	4.2	4.2	4.2	3.9
55 years and over	4.1	4.0	3.8	3.6	3.8	3.7	3.6	3.6	3.5	3.4	3.2	3.1	3.0
Men, 16 years and over	6.2	6.1	5.6	5.5	5.6	5.6	5.6	5.6	5.5	5.2	5.2	5.2	4.8
16 to 24 years	13.4	13.1	12.1	11.9	12.2	13.0	12.9	13.0	12.7	12.4	12.3	12.4	11.4
16 to 19 years	19.8	18.9	17.4	17.8	18.3	18.8	18.8	18.5	17.7	18.3	18.0	18.1	17.1
16 to 17 years	23.1	20.4	18.4	20.6	20.9	21.4	21.7	21.5	20.7	21.4	19.7	20.5	19.4
18 to 19 years	17.8	17.6	17.0	15.5	16.6	16.8	17.1	16.1	15.6	16.1	17.2	16.1	15.6
20 to 24 years	10.2	10.1	9.3	8.7	8.8	9.8	9.5	9.9	9.8	9.0	9.1	9.1	8.1
25 years and over	4.8	4.7	4.4	4.2	4.4	4.3	4.2	4.3	4.1	3.9	3.9	3.9	3.6
25 to 54 years	4.8	4.8	4.5	4.3	4.4	4.3	4.4	4.4	4.3	4.0	4.0	4.0	3.7
55 years and over	4.3	4.2	4.0	3.7	4.0	3.8	3.5	3.5	3.3	3.4	3.2	3.3	3.0
Women, 16 years and over	6.1	5.9	5.6	5.5	5.7	5.7	5.5	5.5	5.4	5.3	5.4	5.4	5.1
16 to 24 years	11.9	11.4	11.0	11.3	11.6	12.1	11.6	11.9	11.1	11.1	11.2	11.5	11.1
16 to 19 years	16.6	16.0	15.7	15.5	16.2	16.6	16.2	16.0	15.3	14.6	15.0	15.8	14.6
16 to 17 years	19.4	19.1	18.0	18.9	19.1	19.8	19.1	18.0	17.5	15.8	16.5	17.3	16.6
18 to 19 years	14.6	13.6	14.3	13.2	14.0	14.3	14.3	14.6	13.5	13.7	14.2	14.8	13.2
20 to 24 years	9.3	9.0	8.4	8.8	8.9	9.5	8.8	9.5	8.7	9.0	8.9	8.9	8.9
25 years and over	4.9	4.8	4.5	4.4	4.5	4.4	4.4	4.3	4.3	4.2	4.3	4.2	3.9
25 to 54 years	5.1	5.0	4.7	4.5	4.6	4.6	4.5	4.4	4.4	4.4	4.4	4.5	4.0
55 years and over	3.9	3.8	3.6	3.5	3.5	3.6	3.8	3.8	3.7	3.3	3.2	2.9	3.0

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-8. Unemployment rates by occupation, industry, and selected demographic characteristics, seasonally adjusted

Category	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTIC													
Total	6.2	6.0	5.6	5.5	5.6	5.7	5.6	5.6	5.4	5.3	5.3	5.3	4.9
Men, 20 years and over	5.4	5.3	4.9	4.7	4.9	4.9	4.8	4.9	4.7	4.5	4.4	4.5	4.1
Women, 20 years and over	5.5	5.3	4.9	4.9	5.0	5.0	4.8	4.9	4.8	4.7	4.8	4.7	4.4
Both sexes, 16 to 19 years	18.2	17.5	16.6	16.7	17.3	17.8	17.6	17.3	16.5	16.6	16.6	17.0	15.9
White	5.3	5.2	4.9	4.8	4.9	4.9	4.9	4.9	4.7	4.6	4.6	4.5	4.1
Black and other	10.6	10.2	9.8	9.4	9.6	10.0	9.2	9.5	9.3	9.2	9.2	9.5	9.1
Black	11.6	10.8	10.6	10.2	10.4	11.0	9.9	10.6	10.3	10.5	10.6	10.9	10.2
Hispanic origin	10.2	10.0	9.2	9.4	9.2	9.2	9.5	9.6	9.2	8.7	8.0	8.3	7.7
Married men, spouse present	3.7	3.5	3.3	3.2	3.4	3.4	3.2	3.1	3.0	3.0	3.0	2.8	2.7
Married women, spouse present	4.1	4.1	3.8	3.8	3.9	4.1	3.8	3.7	3.7	3.4	3.6	3.3	3.2
Women who maintain families	9.0	8.5	8.7	8.4	8.5	7.7	7.5	7.8	7.8	8.6	8.5	9.1	7.7
OCCUPATION¹													
Managerial and professional specialty	2.6	2.5	2.4	2.4	2.4	2.5	2.5	2.4	2.4	2.3	2.3	2.1	2.0
Technical, sales, and administrative support	5.1	4.8	4.5	4.4	4.6	4.4	4.3	4.5	4.4	4.5	4.6	4.3	4.1
Precision production, craft, and repair	6.5	5.9	5.6	5.7	6.1	6.4	5.9	5.7	5.4	5.4	5.5	5.0	4.7
Operators, fabricators, and laborers	9.0	8.9	8.4	7.9	8.3	8.5	8.2	8.3	8.0	7.8	7.7	8.1	7.3
Farming, forestry, and fishing	7.3	9.1	8.0	7.7	8.2	7.6	8.0	7.9	8.0	6.7	7.5	7.4	7.0
INDUSTRY													
Nonagricultural private wage and salary workers	6.4	6.2	5.8	5.6	5.8	5.9	5.8	5.7	5.6	5.4	5.4	5.3	5.0
Goods-producing industries	6.9	6.7	6.3	6.1	6.5	6.6	6.5	6.3	6.1	5.7	5.9	5.7	5.3
Mining	6.3	5.9	4.3	5.0	4.5	4.0	7.4	6.0	3.9	4.2	6.1	4.7	2.4
Construction	11.9	10.9	10.8	11.1	11.7	12.0	11.5	10.7	10.0	9.4	9.7	9.6	8.5
Manufacturing	5.5	5.5	5.0	4.6	5.0	5.1	5.0	5.0	4.9	4.6	4.7	4.4	4.3
Durable goods	5.2	5.5	4.5	4.1	4.4	4.5	4.5	4.8	4.6	4.1	4.5	4.0	3.5
Nondurable goods	5.9	5.5	5.6	5.3	5.9	5.9	5.7	5.3	5.3	5.3	5.1	5.1	5.4
Service-producing industries	6.1	6.0	5.6	5.4	5.5	5.6	5.5	5.5	5.4	5.3	5.2	5.2	4.9
Transportation and public utilities	5.0	4.7	4.5	4.7	4.4	4.4	4.3	4.0	4.3	4.1	4.0	4.1	3.1
Wholesale and retail trade	7.4	7.3	7.0	6.4	6.5	6.7	6.4	6.6	6.5	6.3	6.2	6.4	6.2
Finance, insurance, and real estate	3.6	3.8	3.3	3.3	3.5	3.2	3.0	2.6	2.6	2.8	3.0	3.2	3.0
Services	6.0	5.7	5.4	5.3	5.5	5.5	5.5	5.6	5.5	5.3	5.1	4.9	4.7
Government workers	3.5	3.4	3.0	3.0	3.0	2.9	2.8	2.8	3.0	2.9	2.9	2.9	2.5
Agricultural wage and salary workers	9.3	12.0	10.0	10.3	11.7	10.4	11.9	10.6	10.3	9.2	10.4	8.9	9.1

¹ Seasonally adjusted data for service occupations are not available because the seasonal component, which is small relative to the trend-cycle and/or irregular components, cannot be separated with sufficient

precision.

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-9. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reason	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
NUMBER OF UNEMPLOYED													
Job losers and persons who completed temporary jobs	3,694	3,733	3,541	3,438	3,460	3,495	3,525	3,546	3,448	3,226	3,218	3,198	3,009
On temporary layoff	888	973	930	1,016	1,027	1,039	1,043	1,059	1,054	967	979	973	924
Not on temporary layoff	2,806	2,760	2,611	2,422	2,432	2,455	2,482	2,486	2,394	2,260	2,238	2,226	2,085
Job leavers	803	801	716	767	854	857	819	789	704	776	822	820	795
Reentrants	2,925	2,699	2,574	2,491	2,582	2,547	2,485	2,506	2,544	2,477	2,523	2,563	2,362
New entrants	604	607	581	582	580	581	576	605	553	567	596	631	544
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 and persons who completed temporary jobs	46.0	47.6	47.8	47.2	46.3	46.7	47.6	47.6	47.6	45.8	44.9	44.3	44.8
On temporary layoff	11.1	12.4	12.5	14.0	13.7	13.9	14.1	14.2	14.5	13.7	13.7	13.5	13.6
Not on temporary layoff	35.0	35.2	35.2	33.3	32.5	32.8	33.5	33.4	33.0	32.1	31.3	30.9	31.1
Job leavers	10.0	10.2	9.7	10.5	11.4	11.5	11.1	10.6	9.7	11.0	11.5	11.4	11.8
Reentrants	36.4	34.4	34.7	34.2	34.5	34.0	33.6	33.7	35.1	35.1	35.2	35.5	35.2
New entrants	7.5	7.7	7.8	8.0	7.8	7.8	7.8	8.1	7.6	8.0	8.3	8.8	8.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers and persons who completed temporary jobs	2.8	2.8	2.7	2.6	2.6	2.6	2.7	2.7	2.6	2.4	2.4	2.4	2.2
Job leavers .....	.6	.6	.5	.6	.6	.6	.6	.6	.5	.6	.6	.6	.6
Reentrants	2.2	2.1	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.7
New entrants .....	.5	.5	.4	.4	.4	.4	.4	.5	.4	.4	.4	.5	.4

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

D-10. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Duration	1994			1995				1996				1997	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
NUMBER OF UNEMPLOYED													
Less than 5 weeks	2,736	2,702	2,555	2,661	2,669	2,723	2,743	2,714	2,583	2,553	2,682	2,680	2,472
5 to 14 weeks	2,449	2,403	2,191	2,222	2,346	2,435	2,367	2,322	2,280	2,250	2,291	2,328	2,130
15 weeks and over	2,813	2,783	2,718	2,336	2,419	2,354	2,336	2,366	2,365	2,292	2,219	2,127	2,075
15 to 26 weeks	1,172	1,221	1,223	1,023	1,136	1,100	1,079	1,104	1,066	1,012	1,019	989	1,060
27 weeks and over	1,640	1,562	1,495	1,313	1,283	1,254	1,257	1,261	1,299	1,280	1,200	1,138	1,015
Average (mean) duration, in weeks	19.0	18.9	18.5	17.1	16.7	16.3	16.4	16.7	17.1	17.0	18.2	15.8	15.1
Median duration, in weeks	9.1	9.1	9.3	8.1	8.3	8.3	8.1	8.2	8.4	8.5	7.9	8.0	7.9
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	34.2	34.3	34.2	36.9	35.9	36.2	36.8	36.7	35.7	36.0	37.3	37.8	37.0
5 to 14 weeks	30.6	30.5	29.4	30.8	31.8	32.4	31.8	31.4	31.6	31.7	31.9	32.6	31.9
15 weeks and over	35.2	35.3	36.4	32.4	32.5	31.3	31.4	32.0	32.7	32.3	30.9	29.8	31.1
15 to 26 weeks	14.7	15.5	16.4	14.2	15.3	14.8	14.5	14.9	14.7	14.3	14.2	13.9	15.9
27 weeks and over	20.5	19.8	20.0	18.2	17.3	16.7	16.9	17.0	18.0	18.0	16.7	15.9	15.2

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-11. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	1996	1997	1996	1997	1996	1997	1996	1997
TOTAL								
Civilian noninstitutional population	200,280	202,835	168,098	169,785	23,549	23,950	19,132	20,236
Civilian labor force	133,718	136,233	112,972	114,728	15,069	15,413	12,521	13,632
Percent of population	66.8	67.2	67.2	67.6	64.0	64.4	65.4	67.4
Employed	126,495	129,552	107,677	110,007	13,494	13,827	11,408	12,615
Agriculture	3,612	3,612	3,451	3,413	97	131	685	800
Nonagricultural industries	122,883	125,941	104,226	106,594	13,397	13,696	10,722	11,815
Unemployed	7,223	6,681	5,295	4,722	1,576	1,586	1,114	1,017
Unemployment rate	5.4	4.9	4.7	4.1	10.5	10.3	8.9	7.5
Not in labor force	66,562	66,602	55,126	55,056	8,480	8,537	6,610	6,604
Men, 16 years and over								
Civilian noninstitutional population	96,048	97,560	81,373	82,463	10,549	10,737	9,565	10,324
Civilian labor force	72,247	73,419	61,935	62,796	7,251	7,325	7,568	8,266
Percent of population	75.2	75.3	76.1	76.1	68.7	68.2	79.1	80.1
Employed	68,323	69,897	59,016	60,246	6,438	6,554	6,964	7,716
Agriculture	2,689	2,770	2,559	2,596	81	121	614	705
Nonagricultural industries	65,634	67,127	56,457	57,649	6,357	6,433	6,349	7,011
Unemployed	3,923	3,522	2,919	2,550	812	771	604	551
Unemployment rate	5.4	4.8	4.7	4.1	11.2	10.5	8.0	6.7
Not in labor force	23,801	24,141	19,438	19,868	3,298	3,412	1,997	2,057
Men, 20 years and over								
Civilian noninstitutional population	88,513	89,758	75,364	76,221	9,400	9,548	8,578	9,209
Civilian labor force	68,053	69,209	58,356	59,189	6,767	6,863	7,066	7,733
Percent of population	76.9	77.1	77.4	77.7	72.0	71.9	82.4	84.0
Employed	64,911	66,449	56,007	57,183	6,135	6,278	6,567	7,290
Agriculture	2,419	2,519	2,293	2,355	78	117	574	669
Nonagricultural industries	62,492	63,930	53,714	54,828	6,057	6,161	5,993	6,621
Unemployed	3,142	2,760	2,349	2,006	632	584	499	442
Unemployment rate	4.6	4.0	4.0	3.4	9.3	8.5	7.1	5.7
Not in labor force	20,461	20,549	17,008	17,032	2,632	2,685	1,512	1,477
Women, 16 years and over								
Civilian noninstitutional population	104,232	105,275	86,725	87,322	13,000	13,213	9,567	9,913
Civilian labor force	61,471	62,814	51,037	51,933	7,819	8,088	4,953	5,366
Percent of population	59.0	59.7	58.8	59.5	60.1	61.2	51.8	54.1
Employed	58,172	59,655	48,661	49,761	7,055	7,273	4,444	4,899
Agriculture	923	841	892	816	16	10	71	95
Nonagricultural industries	57,249	58,814	47,769	48,945	7,040	7,263	4,373	4,804
Unemployed	3,299	3,159	2,376	2,172	783	815	509	467
Unemployment rate	5.4	5.0	4.7	4.2	9.8	10.1	10.3	8.7
Not in labor force	42,761	42,461	35,687	35,389	5,181	5,125	4,613	4,547
Women, 20 years and over								
Civilian noninstitutional population	96,927	97,762	80,965	81,413	11,811	11,988	8,616	8,914
Civilian labor force	57,672	58,896	47,847	48,632	7,335	7,623	4,838	4,986
Percent of population	59.5	60.2	59.1	59.7	62.1	63.6	53.8	55.9
Employed	55,014	56,372	45,930	46,916	6,729	6,954	4,213	4,608
Agriculture	875	789	844	764	16	10	69	90
Nonagricultural industries	54,140	55,583	45,086	46,152	6,713	6,944	4,144	4,518
Unemployed	2,658	2,524	1,917	1,716	606	669	425	378
Unemployment rate	4.6	4.3	4.0	3.5	8.3	8.8	9.2	7.6
Not in labor force	39,255	38,867	33,118	32,781	4,476	4,365	3,978	3,929
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,839	15,315	11,769	12,151	2,339	2,414	1,938	2,113
Civilian labor force	7,993	8,128	6,769	6,907	967	928	818	914
Percent of population	53.9	53.1	57.5	56.8	41.4	38.4	42.2	43.3
Employed	6,570	6,731	5,740	5,908	629	594	627	717
Agriculture	318	303	315	294	3	4	42	41
Nonagricultural industries	6,252	6,428	5,425	5,614	627	590	585	676
Unemployed	1,423	1,398	1,029	999	338	333	190	197
Unemployment rate	17.8	17.2	15.2	14.5	34.9	35.9	23.3	21.6
Not in labor force	6,846	7,187	5,000	5,244	1,372	1,486	1,120	1,199

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.

Beginning in January 1997, data reflect revised population controls used in the household survey.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

D-12. Employment status of the Mexican, Puerto Rican, and Cuban-origin population by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1996	1997	1996	1997	1996	1997	1996	1997
TOTAL								
Civilian noninstitutional population	19,132	20,236	11,683	12,453	1,924	1,938	1,001	1,047
Civilian labor force	12,521	13,632	7,729	8,505	1,108	1,175	627	667
Percent of population	65.4	67.4	66.2	68.3	57.6	60.6	62.6	63.7
Employed	11,408	12,615	6,980	7,902	1,010	1,074	586	619
Agriculture	685	800	600	676	18	14	5	6
Nonagricultural industries	10,722	11,815	6,380	7,225	993	1,060	581	613
Unemployed	1,114	1,017	749	603	98	101	41	48
Unemployment rate	8.9	7.5	9.7	7.1	8.8	8.6	6.5	7.2
Not in labor force	6,610	6,604	3,953	3,948	816	763	374	380
Men, 16 years and over								
Civilian noninstitutional population	9,565	10,324	5,957	6,530	861	875	530	544
Civilian labor force	7,568	8,266	4,820	5,309	589	632	399	410
Percent of population	79.1	80.1	80.9	81.3	68.4	72.3	75.3	75.3
Employed	6,964	7,716	4,415	4,971	536	579	374	386
Agriculture	614	705	535	595	15	9	4	5
Nonagricultural industries	6,349	7,011	3,880	4,377	521	571	369	381
Unemployed	604	551	404	337	53	53	26	24
Unemployment rate	8.0	6.7	8.4	6.4	9.0	8.4	6.4	5.9
Not in labor force	1,997	2,057	1,137	1,221	272	243	131	135
Men, 20 years and over								
Civilian noninstitutional population	8,578	9,209	5,352	5,808	747	781	497	520
Civilian labor force	7,066	7,733	4,483	4,965	551	594	377	395
Percent of population	82.4	84.0	83.8	85.5	73.8	76.1	75.8	75.9
Employed	6,567	7,290	4,151	4,689	513	556	352	372
Agriculture	574	689	497	561	15	9	4	5
Nonagricultural industries	5,993	6,621	3,654	4,128	498	547	348	367
Unemployed	499	442	332	276	39	38	24	23
Unemployment rate	7.1	5.7	7.4	5.6	7.0	6.4	6.5	5.7
Not in labor force	1,512	1,477	869	843	195	187	120	125
Women, 16 years and over								
Civilian noninstitutional population	9,567	9,913	5,726	5,923	1,063	1,063	471	503
Civilian labor force	4,953	5,366	2,910	3,196	519	543	228	258
Percent of population	51.8	54.1	50.8	54.0	48.8	51.0	48.4	51.2
Employed	4,444	4,899	2,565	2,930	474	495	213	234
Agriculture	71	95	65	82	3	5	1	2
Nonagricultural industries	4,373	4,804	2,500	2,849	471	489	212	232
Unemployed	509	467	345	266	45	48	15	24
Unemployment rate	10.3	8.7	11.8	8.3	8.6	8.9	6.7	9.3
Not in labor force	4,613	4,547	2,816	2,727	544	520	243	245
Women, 20 years and over								
Civilian noninstitutional population	8,616	8,914	5,090	5,289	974	936	453	490
Civilian labor force	4,638	4,986	2,687	2,943	495	500	223	252
Percent of population	53.8	55.9	52.8	55.6	50.8	53.4	49.4	51.5
Employed	4,213	4,608	2,404	2,735	454	463	209	228
Agriculture	69	90	63	78	3	4	1	2
Nonagricultural industries	4,144	4,518	2,341	2,657	451	459	208	227
Unemployed	425	378	282	208	41	37	14	24
Unemployment rate	9.2	7.6	10.5	7.1	8.2	7.4	6.4	9.5
Not in labor force	3,978	3,929	2,403	2,346	479	436	229	238
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,938	2,113	1,241	1,356	203	221	51	38
Civilian labor force	818	914	560	596	62	80	27	20
Percent of population	42.2	43.3	45.1	44.0	30.5	36.4	(²)	(²)
Employed	627	717	425	477	44	55	25	19
Agriculture	42	41	40	37	-	1	-	-
Nonagricultural industries	585	676	386	440	43	54	25	19
Unemployed	190	197	134	119	18	26	2	2
Unemployment rate	23.3	21.6	24.0	20.0	29.7	32.2	(²)	(²)
Not in labor force	1,120	1,199	681	760	141	141	25	17

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

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

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-13. Employed white, black, and Hispanic-origin workers by sex, occupation, class of worker, and full- or part-time status

(In thousands)

Category	Total		White		Black		Hispanic origin	
	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997
SEX								
Total (all civilian workers)	126,495	129,552	107,677	110,007	13,494	13,827	11,408	12,615
Men	68,323	69,897	59,016	60,246	6,438	6,554	6,964	7,716
Women	58,172	59,655	48,661	49,761	7,055	7,273	4,444	4,899
OCCUPATION								
Managerial and professional specialty	36,291	37,409	32,028	32,959	2,636	2,678	1,625	1,831
Executive, administrative, and managerial	17,760	18,335	15,880	16,376	1,158	1,214	842	985
Professional specialty	18,531	19,074	16,147	16,583	1,478	1,464	783	846
Technical, sales, and administrative support	37,529	38,116	32,012	32,410	3,878	3,995	2,688	2,944
Technicians and related support	3,856	4,196	3,228	3,522	395	411	238	257
Sales occupations	15,305	15,737	13,481	13,708	1,170	1,262	982	1,198
Administrative support, including clerical	18,367	18,183	15,304	15,180	2,313	2,322	1,468	1,489
Service occupations	17,298	17,478	13,502	13,657	2,979	2,969	2,275	2,486
Private household	733	755	579	615	122	118	179	185
Protective service	2,140	2,305	1,706	1,809	386	424	166	204
Service, except private household and protective	14,425	14,418	11,217	11,233	2,471	2,428	1,930	2,097
Precision production, craft, and repair	13,495	14,301	12,001	12,649	1,031	1,186	1,548	1,690
Mechanics and repairers	4,486	4,598	4,040	4,082	316	377	463	447
Construction trades	5,067	5,565	4,574	5,034	364	400	616	781
Other precision production, craft, and repair	3,932	4,138	3,387	3,533	351	409	469	462
Operators, fabricators, and laborers	18,165	18,487	14,618	14,835	2,842	2,826	2,516	2,813
Machine operators, assemblers, and inspectors	7,775	7,924	6,116	6,228	1,249	1,227	1,222	1,409
Transportation and material moving occupations	5,305	5,471	4,417	4,506	772	831	548	571
Handlers, equipment cleaners, helpers, and laborers	5,085	5,093	4,085	4,100	821	769	745	833
Construction laborers	814	829	679	702	119	105	164	190
Other handlers, equipment cleaners, helpers, and laborers	4,270	4,264	3,406	3,398	702	663	581	644
Farming, forestry, and fishing	3,717	3,762	3,515	3,497	127	173	756	851
CLASS OF WORKER								
Agriculture:								
Wage and salary workers	2,043	2,101	1,917	1,959	78	100	595	707
Self-employed workers	1,520	1,454	1,486	1,397	19	31	89	93
Unpaid family workers	48	56	48	56	-	-	2	-
Nonagricultural industries:								
Wage and salary workers	113,753	116,648	95,932	98,201	12,934	13,239	10,125	11,233
Government	18,383	18,094	14,784	14,486	2,888	2,860	1,320	1,283
Private industries	95,370	98,555	81,148	83,715	10,047	10,380	8,805	9,950
Private households	854	894	672	707	143	160	207	212
Other industries	94,516	97,661	80,476	83,008	9,903	10,220	8,598	9,738
Self-employed workers	9,010	9,154	8,191	8,273	461	456	580	569
Unpaid family workers	120	138	103	120	1	-	18	13
FULL- OR PART-TIME STATUS								
Full-time workers	103,427	106,395	87,583	89,720	11,439	11,920	9,619	10,559
Part-time workers	23,068	23,157	20,094	20,286	2,054	1,907	1,789	2,055

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.

Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-14. Employed Mexican, Puerto Rican, and Cuban-origin workers by sex, occupation, class of worker, and full- or part-time status

(In thousands)

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997
SEX								
Total (all civilian workers)	11,408	12,615	6,980	7,902	1,010	1,074	586	619
Men	6,964	7,716	4,415	4,971	536	579	374	386
Women	4,444	4,899	2,565	2,930	474	495	213	234
OCCUPATION								
Managerial and professional specialty	1,625	1,831	861	955	201	193	124	188
Executive, administrative, and managerial	842	985	459	513	88	89	65	114
Professional specialty	783	846	402	442	113	104	59	74
Technical, sales, and administrative support	2,688	2,944	1,457	1,720	330	305	189	193
Technicians and related support	238	257	115	150	28	25	25	16
Sales occupations	982	1,198	540	701	92	82	65	92
Administrative support, including clerical	1,468	1,489	802	869	211	198	99	85
Service occupations	2,275	2,486	1,301	1,471	200	215	81	79
Private household	179	185	79	94	8	5	1	4
Protective service	166	204	91	114	34	38	14	11
Service, except private household and protective	1,930	2,097	1,130	1,263	158	172	66	64
Precision production, craft, and repair	1,548	1,690	1,028	1,187	87	120	79	45
Mechanics and repairers	463	447	278	283	35	48	24	23
Construction trades	616	781	434	595	23	45	29	13
Other precision production, craft, and repair	469	462	317	309	29	28	26	8
Operators, fabricators, and laborers	2,516	2,813	1,678	1,856	168	223	102	107
Machine operators, assemblers, and inspectors	1,222	1,409	819	945	87	110	40	38
Transportation and material moving occupations	548	571	346	344	41	61	29	37
Handlers, equipment cleaners, helpers, and laborers	745	833	513	567	41	52	34	31
Construction laborers	164	190	125	147	3	4	7	3
Other handlers, equipment cleaners, helpers, and laborers	581	644	387	420	37	48	27	29
Farming, forestry, and fishing	756	851	655	712	22	18	11	8
CLASS OF WORKER								
Agriculture:								
Wage and salary workers	595	707	523	619	16	10	2	2
Self-employed workers	89	93	75	58	2	5	3	5
Unpaid family workers	2	-	2	-	-	-	-	-
Nonagricultural industries:								
Wage and salary workers	10,125	11,233	6,044	6,859	954	1,032	538	566
Government	1,320	1,283	815	827	196	177	52	48
Private industries	8,805	9,950	5,228	6,032	759	855	486	519
Private households	207	212	96	106	8	6	2	4
Other industries	8,598	9,738	5,132	5,926	751	849	484	514
Self-employed workers	580	569	328	354	38	28	43	47
Unpaid family workers	18	13	9	12	-	-	-	-
FULL- OR PART-TIME STATUS								
Full-time workers	9,619	10,559	5,894	6,620	854	874	488	535
Part time workers	1,789	2,055	1,086	1,282	156	200	98	85

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

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-15. Employed persons by age, sex, race, and Hispanic origin

(In thousands)

Age and sex	Total		White		Black		Hispanic origin	
	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997
Total, 16 years and over	126,495	129,552	107,677	110,007	13,494	13,827	11,408	12,615
16 to 19 years	6,570	6,731	5,740	5,908	629	594	627	717
16 to 17 years	2,636	2,635	2,318	2,361	234	202	196	233
18 to 19 years	3,934	4,096	3,422	3,547	395	392	432	484
20 to 24 years	12,232	12,471	10,196	10,462	1,458	1,465	1,639	1,813
25 years and over	107,693	110,350	91,741	93,637	11,407	11,768	9,141	10,086
25 to 54 years	92,357	94,369	78,115	79,473	10,192	10,511	8,326	9,176
55 years and over	15,336	15,982	13,626	14,164	1,214	1,257	815	910
Men, 16 years and over	68,323	69,897	59,016	60,246	6,438	6,554	6,964	7,716
16 to 19 years	3,412	3,448	3,009	3,063	303	276	397	426
16 to 17 years	1,341	1,354	1,191	1,224	103	95	120	129
18 to 19 years	2,071	2,093	1,818	1,839	200	180	276	297
20 to 24 years	6,461	6,669	5,455	5,731	704	656	1,011	1,201
25 years and over	58,450	59,781	50,552	51,452	5,431	5,622	5,556	6,089
25 to 54 years	49,783	50,813	42,765	43,433	4,836	5,002	5,044	5,530
55 years and over	8,667	8,968	7,787	8,019	595	620	512	560
Women, 16 years and over	58,172	59,655	48,661	49,761	7,055	7,273	4,444	4,899
16 to 19 years	3,158	3,283	2,731	2,845	326	318	231	291
16 to 17 years	1,295	1,281	1,127	1,137	131	107	76	104
18 to 19 years	1,863	2,002	1,604	1,709	195	212	155	187
20 to 24 years	5,771	5,802	4,741	4,731	754	809	628	612
25 years and over	49,243	50,570	41,189	42,185	5,975	6,146	3,585	3,997
25 to 54 years	42,574	43,556	35,350	36,040	5,357	5,509	3,282	3,646
55 years and over	6,669	7,014	5,840	6,145	619	637	303	350

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

D-16. Unemployment rates by age, sex, race, and Hispanic origin

Age and sex	Total		White		Black		Hispanic origin	
	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997
Total, 16 years and over	5.4	4.9	4.7	4.1	10.5	10.3	8.9	7.5
16 to 19 years	17.8	17.2	15.2	14.5	34.9	35.9	23.3	21.6
16 to 17 years	21.6	20.7	19.0	18.0	39.1	40.5	31.1	30.0
18 to 19 years	15.0	14.8	12.4	12.0	32.2	33.3	19.1	16.8
20 to 24 years	9.2	8.4	7.9	6.5	17.0	19.4	11.1	9.6
25 years and over	4.1	3.6	3.6	3.1	7.6	7.1	7.3	5.9
25 to 54 years	4.2	3.7	3.6	3.2	7.9	7.5	7.2	5.8
55 years and over	3.4	2.9	3.2	2.7	4.9	4.0	7.7	6.7
Men, 16 years and over	5.4	4.8	4.7	4.1	11.2	10.5	8.0	6.7
16 to 19 years	18.6	18.1	15.9	15.1	37.3	40.4	21.0	20.3
16 to 17 years	22.9	21.7	20.3	18.3	43.9	47.2	29.1	26.4
18 to 19 years	15.6	15.6	12.8	12.8	33.2	36.0	16.9	17.3
20 to 24 years	9.7	8.0	8.6	6.3	17.5	20.3	10.9	8.1
25 years and over	4.0	3.5	3.5	3.1	8.2	6.9	6.3	5.2
25 to 54 years	4.2	3.6	3.6	3.1	8.5	7.3	6.3	5.1
55 years and over	3.2	2.9	3.0	2.8	5.6	3.4	6.6	6.2
Women, 16 years and over	5.4	5.0	4.7	4.2	9.8	10.1	10.3	8.7
16 to 19 years	16.9	16.2	14.4	13.8	32.6	31.5	26.9	23.4
16 to 17 years	20.2	19.5	17.7	17.6	34.7	33.0	34.1	33.9
18 to 19 years	14.4	14.0	11.9	11.1	31.1	30.8	22.8	16.0
20 to 24 years	8.7	8.9	7.2	6.7	16.5	18.7	11.4	12.3
25 years and over	4.1	3.7	3.6	3.2	7.1	7.3	8.7	6.8
25 to 54 years	4.2	3.9	3.7	3.2	7.4	7.6	8.7	6.7
55 years and over	3.5	2.9	3.4	2.7	4.2	4.5	9.7	7.4

NOTE: Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-17. Unemployed persons by reason for unemployment, race, and Hispanic origin

(Numbers in thousands)

Reasons	Total		White		Black		Hispanic origin	
	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997
NUMBER OF UNEMPLOYED								
Total unemployed	7,223	6,681	5,295	4,722	1,576	1,586	1,114	1,017
Job losers and persons who completed temporary jobs ...	3,297	2,875	2,550	2,129	618	612	552	453
On temporary layoff	938	826	798	687	105	114	165	151
Not on temporary layoff	2,359	2,048	1,752	1,442	514	498	387	301
Permanent job losers	1,708	1,430	1,303	1,012	342	333	264	185
Persons who completed temporary jobs	650	618	449	430	171	165	124	117
Job leavers	658	739	507	580	119	130	69	99
Reentrants	2,615	2,426	1,791	1,613	677	660	350	335
New entrants	653	641	447	400	162	184	143	130
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers and persons who completed temporary jobs ..	45.6	43.0	48.2	45.1	39.2	38.6	49.6	44.5
On temporary layoff	13.0	12.4	15.1	14.5	6.7	7.2	14.8	14.9
Not on temporary layoff	32.7	30.7	33.1	30.5	32.6	31.4	34.8	29.6
Job leavers	9.1	11.1	9.6	12.3	7.6	8.2	6.2	9.7
Reentrants	36.2	36.3	33.8	34.2	42.9	41.6	31.4	32.9
New entrants	9.0	9.6	8.4	8.5	10.3	11.6	12.8	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers and persons who completed temporary jobs ..	2.5	2.1	2.3	1.9	4.1	4.0	4.4	3.3
Job leavers .....	.5	.5	.4	.5	.8	.8	.5	.7
Reentrants	2.0	1.8	1.6	1.4	4.5	4.3	2.8	2.5
New entrants .....	.5	.5	.4	.3	1.1	1.2	1.1	1.0

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.

Beginning in January 1997, data reflect revised population controls used in the household survey.

D-18. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

Duration	Total		White		Black		Hispanic origin	
	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997	II 1996	II 1997
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,223	6,681	5,295	4,722	1,576	1,586	1,114	1,017
Less than 5 weeks	2,735	2,626	2,133	1,955	476	542	396	393
5 to 14 weeks	1,986	1,856	1,426	1,327	476	439	300	265
15 weeks and over	2,501	2,200	1,737	1,440	624	605	417	359
15 to 26 weeks	1,142	1,137	824	768	258	304	190	171
27 weeks and over	1,359	1,063	913	672	366	301	228	188
Average (mean) duration, in weeks	17.5	15.5	16.5	14.2	20.5	18.2	19.0	17.1
Median duration, in weeks	8.5	7.9	7.8	7.1	10.9	9.6	9.5	8.3
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	37.9	39.3	40.3	41.4	30.2	34.2	35.6	38.6
5 to 14 weeks	27.5	27.8	26.9	28.1	30.2	27.7	27.0	26.1
15 weeks and over	34.6	32.9	32.8	30.5	39.6	38.1	37.5	35.3
15 to 26 weeks	15.8	17.0	15.6	16.3	16.4	19.2	17.0	16.8
27 weeks and over	18.8	15.9	17.2	14.2	23.2	19.0	20.5	18.5

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.

Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-19. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	II 1996	II 1997	II 1996	II 1997
SEX AND AGE				
Total, 16 years and over	90,956	93,387	\$486	\$499
Men, 16 years and over	52,140	53,329	554	572
16 to 24 years	6,079	6,321	302	316
25 years and over	46,061	47,008	599	609
Women, 16 years and over	38,817	40,058	414	428
16 to 24 years	4,337	4,511	273	289
25 years and over	34,480	35,548	439	457
RACE, HISPANIC ORIGIN, AND SEX				
White	76,144	77,856	502	515
Men	44,604	45,493	578	589
Women	31,540	32,363	425	443
Black	10,864	11,338	383	397
Men	5,314	5,490	411	424
Women	5,550	5,847	353	379
Hispanic origin	8,790	9,789	336	352
Men	5,706	6,462	350	368
Women	3,084	3,327	313	320

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. Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-20. Median weekly earnings of part-time wage and salary workers by selected characteristics

Age, race, and Hispanic origin	Number of workers (in thousands)		Median weekly earnings	
	II 1996	II 1997	II 1996	II 1997
SEX AND AGE				
Total, 16 years and over	20,770	20,853	\$142	\$147
Men, 16 years and over	6,383	6,584	129	138
16 to 24 years	3,361	3,461	108	113
25 years and over	3,023	3,123	168	180
Women, 16 years and over	14,387	14,268	148	151
16 to 24 years	4,390	4,365	111	111
25 years and over	9,996	9,903	171	173
RACE, HISPANIC ORIGIN, AND SEX				
White	17,926	18,090	144	148
Men	5,356	5,541	131	136
Women	12,570	12,549	149	153
Black	2,025	1,883	131	138
Men	704	677	125	143
Women	1,321	1,206	134	136
Hispanic origin	1,758	1,999	140	142
Men	664	723	143	159
Women	1,094	1,276	138	132

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. Beginning in January 1997, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-21. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings	
	1996	1997	1996	1997
TOTAL				
Managerial and professional specialty	27,282	28,160	\$718	\$727
Executive, administrative, and managerial	13,335	13,978	705	694
Professional specialty	13,947	14,183	729	748
Technical, sales, and administrative support	26,058	26,540	438	449
Technicians and related support	3,233	3,443	566	567
Sales occupations	8,864	9,340	478	466
Administrative support, including clerical	13,961	13,757	404	418
Service occupations	10,085	10,039	303	311
Private household	303	338	224	214
Protective service	1,850	1,915	524	510
Service, except private household and protective	7,932	7,786	285	295
Precision production, craft, and repair	10,832	11,671	527	545
Mechanics and repairers	3,697	3,970	554	568
Construction trades	3,717	4,057	498	541
Other precision production, craft, and repair	3,417	3,644	543	526
Operators, fabricators, and laborers	14,984	15,230	392	402
Machine operators, assemblers, and inspectors	7,089	7,186	380	385
Transportation and material moving occupations	4,163	4,522	487	502
Handlers, equipment cleaners, helpers, and laborers	3,732	3,521	333	340
Farming, forestry, and fishing	1,716	1,748	286	291
Men				
Managerial and professional specialty	14,015	14,131	867	862
Executive, administrative, and managerial	7,240	7,339	865	850
Professional specialty	6,775	6,792	870	878
Technical, sales, and administrative support	10,004	10,278	575	589
Technicians and related support	1,620	1,806	649	680
Sales occupations	5,099	5,167	591	592
Administrative support, including clerical	3,284	3,306	488	530
Service occupations	5,096	5,012	358	366
Private household	12	19	(1)	(1)
Protective service	1,594	1,604	\$540	\$527
Service, except private household and protective	3,490	3,388	308	314
Precision production, craft, and repair	9,970	10,675	545	562
Mechanics and repairers	3,556	3,789	562	571
Construction trades	3,635	3,991	500	541
Other precision production, craft, and repair	2,779	2,895	585	582
Operators, fabricators, and laborers	11,538	11,674	427	438
Machine operators, assemblers, and inspectors	4,511	4,604	444	437
Transportation and material moving occupations	3,901	4,198	495	511
Handlers, equipment cleaners, helpers, and laborers	3,126	2,872	352	357
Farming, forestry, and fishing	1,517	1,558	293	296
Women				
Managerial and professional specialty	13,267	14,029	609	622
Executive, administrative, and managerial	6,095	6,638	584	599
Professional specialty	7,172	7,391	634	653
Technical, sales, and administrative support	16,054	16,261	391	398
Technicians and related support	1,612	1,637	495	484
Sales occupations	3,765	4,173	336	348
Administrative support, including clerical	10,677	10,451	392	397
Service occupations	4,989	5,027	270	283
Private household	290	319	221	212
Protective service	257	311	429	428
Service, except private household and protective	4,442	4,398	269	281
Precision production, craft, and repair	861	996	373	380
Mechanics and repairers	141	180	431	504
Construction trades	82	66	(1)	(1)
Other precision production, craft, and repair	638	749	\$365	\$352
Operators, fabricators, and laborers	3,447	3,555	301	315
Machine operators, assemblers, and inspectors	2,579	2,582	301	315
Transportation and material moving occupations	261	325	372	361
Handlers, equipment cleaners, helpers, and laborers	607	649	282	301
Farming, forestry, and fishing	199	189	224	256

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

controls used in the household survey.

NOTE: Beginning in January 1997, data reflect revised population

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

D-22. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	|| 1996	|| 1997	Total		Employed		Unemployed			
			|| 1996	|| 1997	|| 1996	|| 1997	Number		Percent of labor force	
							|| 1996	|| 1997	|| 1996	|| 1997
VIETNAM-ERA VETERANS										
Total, 40 years and over	7,730	7,809	6,651	6,721	6,455	6,506	195	215	2.9	3.2
40 to 54 years	6,487	6,342	5,901	5,760	5,715	5,576	186	183	3.2	3.2
40 to 44 years	1,290	1,066	1,164	956	1,129	916	35	40	3.0	4.2
45 to 49 years	3,048	2,751	2,803	2,526	2,706	2,454	97	72	3.5	2.8
50 to 54 years	2,149	2,525	1,934	2,277	1,880	2,206	54	72	2.8	3.1
55 years and over	1,243	1,466	750	961	741	930	9	31	1.2	3.3
NONVETERANS										
Total, 40 to 54 years	18,268	19,328	16,495	17,536	15,843	16,972	652	564	4.0	3.2
40 to 44 years	8,529	8,900	7,850	8,203	7,513	7,930	337	273	4.3	3.3
45 to 49 years	5,793	6,114	5,238	5,567	5,026	5,390	212	177	4.1	3.2
50 to 54 years	3,946	4,314	3,407	3,766	3,305	3,652	102	114	3.0	3.0

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. Beginning in January 1997, data reflect revised population controls used in the household survey.

D-23. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	|| 1996	|| 1997	|| 1996	|| 1997	|| 1996	|| 1997	|| 1996	|| 1997	|| 1996	|| 1997	|| 1996	|| 1997
Total, 40 to 54 years												
Civilian noninstitutional population	5,754	5,614	605	604	239	269	15,382	16,327	1,885	1,989	1,747	1,916
Civilian labor force	5,262	5,134	522	515	214	224	14,131	15,040	1,490	1,584	1,550	1,703
Employed	5,103	4,974	499	492	206	208	13,630	14,633	1,383	1,470	1,441	1,603
Unemployed	158	160	23	22	8	16	501	407	107	114	108	100
Unemployment rate	3.0	3.1	4.4	4.3	3.7	7.2	3.5	2.7	7.2	7.2	7.0	5.9
40 to 44 years												
Civilian noninstitutional population	1,088	903	171	128	67	52	7,214	7,523	858	936	828	893
Civilian labor force	981	816	155	105	62	36	6,753	7,035	694	775	748	809
Employed	954	779	147	103	60	32	6,497	6,838	631	713	695	757
Unemployed	27	37	7	3	3	4	256	197	63	61	54	51
Unemployment rate	2.7	4.5	4.6	2.6	4.6	(¹)	3.8	2.8	9.1	7.9	7.2	6.4
45 to 49 years												
Civilian noninstitutional population	2,691	2,428	297	283	106	106	4,898	5,185	579	631	511	550
Civilian labor force	2,494	2,251	253	240	92	91	4,501	4,788	464	502	464	473
Employed	2,412	2,190	241	230	88	88	4,330	4,661	438	468	425	450
Unemployed	83	62	12	10	4	3	171	127	26	34	39	23
Unemployment rate	3.3	2.7	4.9	4.0	4.4	3.5	3.8	2.6	5.7	6.7	8.5	4.9
50 to 54 years												
Civilian noninstitutional population	1,975	2,283	137	193	66	111	3,270	3,619	448	423	408	474
Civilian labor force	1,787	2,067	114	170	59	97	2,878	3,217	332	308	337	421
Employed	1,738	2,005	111	160	58	88	2,804	3,134	314	289	322	396
Unemployed	49	61	3	10	1	9	74	84	18	19	15	25
Unemployment rate	2.7	3.0	3.0	5.9	(¹)	9.4	2.6	2.6	5.5	6.2	4.5	6.0

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

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

Explanatory Notes and Estimates of Error

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 the Current Population Survey (CPS), 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, classified by 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 50,000 households (beginning with January 1996 data) located in 754 sample areas. These areas are chosen to represent all counties and independent cities in the U.S., 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 and telephone interviews by the Bureau of Labor Statistics, in cooperation with State agencies. The Current Employment Statistics (CES) survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of about 390,000 establishments employing about 48 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of variations in definitions and coverage, source 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 data 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, and unpaid workers who worked 15 hours or more during the reference week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonfarm establishments.

Multiple jobholding. The household survey provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once. 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 reference week—that is, were not working but had jobs from which they were temporarily absent because of illness, vacation, bad weather, childcare problems, 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 those on leave without pay for the entire payroll period are not.

Hours of work

The household survey measures hours worked for all workers whereas the payroll survey measures hours for private production and nonsupervisory workers paid for by employers. In the household survey, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours at work. In the pay-

roll 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 the 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 various earnings series available from the household and establishment surveys, see *BLS Measures of Compensation*, BLS Bulletin 2239 (1986).

COMPARABILITY OF HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job during the reference week, were currently available for a job, 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 U.S. Department of Labor, exclude, in addition to otherwise ineligible persons who do not file claims for benefits, 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).

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 Unemploy-

ment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*.

Agricultural employment estimates of the U.S. Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the National Agricultural 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 data collecting and estimating methods, which cannot be readily measured in terms of their impact on differences in the levels and trends of the two series.

COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

County Business Patterns, Bureau of the Census. Data in *County Business Patterns* (CBP) 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 most of government, and coverage is incomplete for some of the nonprofit agencies.

Employment covered by State unemployment insurance programs. Most nonfarm wage and salary workers are covered by the unemployment insurance programs. However, some employees, such as those working in parochial schools and churches, are not covered by unemployment insurance, whereas they are included in the BLS establishment statistics.

Household Data

("A" tables, monthly; "D" tables, quarterly)

COLLECTION AND COVERAGE

Statistics on the employment status of the population and related data are compiled by BLS using data from the Current Population Survey (CPS). This monthly survey of households is conducted for BLS by the Bureau of the Census 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 day of the month. This is known as the "reference week." Actual field interviewing is conducted in the following week, referred to as the "survey week."

Each month about 50,000 occupied units are eligible for interview. Some 3,200 of these households are contacted 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 that ranges between 6 and 7 percent. In addition to the 50,000 occupied units, there are about 9,000 sample units in an average month which are visited but found to be vacant or otherwise not eligible for enumeration. Part of the sample is changed each month. The rotation plan, as will be explained later, 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 in use as of January 1994 are as follows:

Civilian noninstitutional population. Included are persons 16 years of age and older residing in the 50 States and the District of Columbia who are not inmates of institutions (e.g., penal and mental facilities, homes for the aged), and who are not on active duty in the Armed Forces.

Employed persons. All persons who, during the reference week, (a) did any work at all (at least 1 hour) as paid employees, worked 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 vacation, illness, bad weather, child-care problems, maternity or paternity leave, labor-management dispute, job training, or other family or personal reasons,

whether or not they were paid for the time off or were seeking other jobs.

Each employed person is counted only once, even if he or she holds more than one job. For purposes of occupation and industry classification, multiple jobholders are counted in the job at which they worked the greatest number of hours during the reference 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 their own house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and other organizations.

Unemployed persons. All persons who had no employment during the reference week, were available for work, except for temporary illness, and had made specific efforts to find employment some time during the 4-week-period ending with the reference week. Persons who were waiting to be recalled to a job from which they had been laid off need not have been looking for work to be classified as unemployed.

Duration of unemployment. This represents the length of time (through the current reference week) that persons classified as unemployed had been looking for work. For persons on layoff, duration of unemployment represents the number of full weeks they had been on layoff. Mean duration is the arithmetic average computed from single weeks of unemployment; median duration is the midpoint of a distribution of weeks of unemployment.

Reason for 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 five major groups: (1) *Job losers*, comprised of (a) persons *on temporary layoff*, who have been given a date to return to work or who expect to return within 6 months (persons on layoff need not be looking for work to qualify as unemployed), and (b) *permanent job losers*, whose employment ended involuntarily and who began looking for work; (2) *Job leavers*, persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work; (3) *Persons who completed temporary jobs*, who began looking for work after the jobs ended; (4) *Reentrants*, persons who previously worked but were out of the labor force prior to beginning their job search; and (5) *New entrants*, persons who never worked. Each of these five categories of the unemployed can be expressed as a proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers. (For statistical presentation purposes, "job losers" and "persons who completed temporary jobs" are combined into a

single category until seasonal adjustments can be developed for the separate categories.)

Jobseekers. All unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week are classified as jobseekers. Jobseekers do not include persons classified as on temporary layoff, who although often looking for work, are not required to do so to be classified as unemployed. Jobseekers are grouped by the methods used to seek work. Only active methods—which have the potential to result in a job offer without further action on the part of the jobseeker—qualify as job search. Examples include going to an employer directly or to a public or private employment agency, seeking assistance from friends or relatives, placing or answering ads, or using some other active 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. Passive methods, which do not qualify as job search, include reading (as opposed to answering or placing) “help wanted” ads and taking a job training course.

Labor force. This group comprises all persons classified as employed or unemployed in accordance with the criteria described above.

Unemployment rate. The unemployment rate represents the number unemployed as a percent of the labor force.

Participation rate. This represents the proportion of the population that is in the labor force.

Employment-population ratio. This represents the proportion of the population that is employed.

Not in the labor force. Included in this group are all persons in the civilian noninstitutional population who are neither employed nor unemployed. Information is collected on their desire for and availability to take a job at the time of the CPS interview, job search activity in the prior year, and reason for not looking in the 4-week period prior to the survey week. This group includes discouraged workers, defined as persons not in the labor force who want and are available for a job and who have looked for work sometime in the past 12 months (or since the end of their last job if they held one within the past 12 months), but are not currently looking, because they believe there are no jobs available or there are none for which they would qualify.

Persons classified as not in the labor force who are in the sample for either their fourth or eighth month are asked additional questions relating to job history and workseeking intentions. These latter data are available on a quarterly basis.

Occupation, industry, and class of worker. This information for the employed applies to the job held in the reference week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours. The unemployed are classified according to their last job.

The occupational and industrial classification of CPS data is based on the coding systems used in the 1990 census.

The class-of-worker breakdown assigns workers to the following categories: Private and government wage and salary workers, self-employed workers, and unpaid family workers. Wage and salary workers receive wages, salary, commissions, 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, trade, or farm. Only the unincorporated self-employed are included in the self-employed category in the class of worker typology. Self-employed persons who respond that their businesses are incorporated are included among wage and salary workers, because technically, they are paid employees of a corporation. 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.

Multiple jobholders. These are employed persons who, during the reference week, had either two or more jobs as a wage and salary worker, were self-employed and also held a wage and salary job, or worked as an unpaid family worker and also held a wage and salary job. A person employed only in private households (cleaner, gardener, babysitter, etc.) who worked for two or more employers during the reference week is not counted as a multiple jobholder, since working for several employers is considered an inherent characteristic of private household work. Also excluded are self-employed persons with multiple businesses and persons with multiple jobs as unpaid family workers.

Hours of work. These statistics relate to the actual number of hours worked during the reference 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 published figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job. Unpublished data are available for the hours worked in each job and for usual hours.

At work part time for economic reasons. Sometimes referred to as involuntary part time, this category refers to individuals who gave an economic reason for working 1 to 34 hours during the reference week. Economic reasons include slack work or unfavorable business conditions, inability to find full-time work, and seasonal declines in demand. Those who usually work part time must also indicate that they want and are available to work full time to be classified as on part time for economic reasons.

At work part time for noneconomic reasons. This group includes those persons who usually work part time and were at work 1 to 34 hours during the reference week for a noneconomic reason. Noneconomic reasons include, for ex-

ample: Illness or other medical limitations, child-care problems or other family or personal obligations, school or training, retirement or Social Security limits on earnings, and being in a job where full-time work is less than 35 hours. The group also includes those who gave an economic reason for usually working 1 to 34 hours but said they do not want to work full time or were unavailable for such work.

Usual full- or part-time status. Data on persons "at work" exclude persons who were temporarily absent from a job and therefore classified 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. In order to differentiate a person's normal schedule from their activity during the reference week, persons are also classified according to their usual full- or part-time status. In this context, *full-time workers* are those who usually worked 35 hours or more (at all jobs combined). This group will include some individuals who worked less than 35 hours in the reference week for either economic or noneconomic reasons and those who are temporarily absent from work. Similarly, *part-time workers* are those who usually work less than 35 hours per week (at all jobs), regardless of the number of hours worked in the reference week. This may include some individuals who actually worked more than 34 hours in the reference week, as well as those who are temporarily absent from work. The *full-time labor force* includes all employed persons who usually work full time and unemployed persons who are either looking for full-time work or are on layoff from full-time jobs. The *part-time labor force* consists of employed persons who usually work part time and unemployed persons who are seeking or are on layoff from part-time jobs. Unemployment rates for full- and part-time workers are calculated using the concepts of the *full- and part-time labor force*.

White, black, and other. These are terms used to describe the race of persons. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. Because of the relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

Hispanic origin. This refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican, 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. These are persons who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Published data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are persons who never served in the Armed Forces.

Usual weekly earnings. Data represent earnings before taxes and other deductions, and include any overtime pay, commissions, or tips usually received (at the main job in the case of multiple jobholders.) Earnings reported on a basis other than weekly (e.g., annual, monthly, hourly) are converted to weekly. 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 self-employed persons who respond that their business's were incorporated) who usually work full time on their sole or primary job.

Median earnings. These figures 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. These are the 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 living in 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 relates to persons who are separated due to marital problems, as well as husbands and wives who are living apart because one or the other was employed elsewhere, on duty with the Armed Forces, or any other reasons.

Household. A household consists of all persons—related family members and all unrelated persons—who occupy a housing unit and have no other usual address. 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. A family is defined as 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. 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 person

maintaining the family is either self-employed or in the Armed Forces.

HISTORICAL COMPARABILITY

Changes in concepts and methods

While current survey concepts and methods are very similar to those introduced at the inception of the survey in 1940, a number of changes have been made over the years to improve the accuracy and usefulness of the data. Some of the most important changes include:

- In 1945, the questionnaire was radically changed with the introduction of four basic employment questions. Prior to that time, the survey did not contain specific question wording, but rather relied on a complicated scheme of activity prioritization.
- In 1953, the current 4-8-4 rotation system was adopted, whereby households are interviewed for 4 consecutive months, leave the sample for 8 months, and then return to the sample for the same 4 months of the following year. Before this system was introduced, households were interviewed for 6 consecutive months and then replaced. The new system provided some year-to-year overlap in the sample, thereby improving measurement over time.
- In 1955, the survey reference week was changed to the calendar week including the 12th day of the month, for greater consistency with the reference period used for other labor-related statistics. Previously, the calendar week containing the 8th day of the month had been used as the reference week.
- In 1957, the employment definition was modified slightly as a result of a comprehensive interagency review of labor force concepts and methods. Two relatively small groups of persons classified as employed, under "with a job but not at work," were assigned to different classifications. Persons on layoff with definite instructions to return to work within 30 days of the layoff date, and persons volunteering that they were waiting to start a new wage and salary job within 30 days of interview, were, for the most part, reassigned to the unemployed classification. The only exception was the small subgroup in school during the reference week but waiting to start new jobs, which was transferred to not in the labor force.
- In 1967, more substantive changes were made as a result of the recommendations of the President's Committee to Appraise Employment and Unemployment Statistics (the Gordon Committee). The principal improvements were as follows:
 - a) A 4-week job search period and specific questions on jobseeking activity were introduced. Previously, the questionnaire was ambiguous as to the time period for jobseeking and there were no specific questions concerning job search methods.

- b) An availability test was introduced whereby a person must be currently available for work in order to be classified as unemployed. Previously, there was no such requirement. This revision to the concept mainly affected students, who, for example, may begin to look for summer jobs in the spring although they will not be available until June or July. Such persons, until 1967, had been classified as unemployed but since have been assigned to the "not in the labor force" category.

- c) Persons "with a job but not at work" because of strikes, bad weather, etc., who volunteered that they were looking for work, were shifted from unemployed status to employed.

- d) The lower age limit for official statistics on employment, unemployment, and other labor force concepts was raised from 14 to 16 years. Historical data for most major series have been revised to provide consistent information based on the new minimum age limit.

- e) New questions were added to obtain additional information on persons not in the labor force, including those referred to as "discouraged workers," defined as persons who indicate that they want a job but are not currently looking because they believe there are no jobs available or none for which they would qualify.

- f) New "probing" questions were added to the questionnaire in order to increase the reliability of information on hours of work, duration of unemployment, and self-employment.

- In 1994, major changes to the Current Population Survey (CPS) were introduced, which included a complete redesign of the questionnaire and the use of computer-assisted interviewing for the entire survey. In addition, there were revisions to some of the labor force concepts and definitions, including the implementation of some changes recommended in 1979 by the National Commission on Employment and Unemployment Statistics (NCEUS, also known as the Levitan Commission). Some of the major changes to the survey were:

- a) The introduction of a redesigned and automated questionnaire. The CPS questionnaire was totally redesigned in order to obtain more accurate, comprehensive, and relevant information, and to take advantage of state-of-the-art computer interviewing techniques.

- b) The addition of two, more objective, criteria to the definition of discouraged workers. Prior to 1994, to be classified as a discouraged worker, a person must have wanted a job and be reported as not currently looking because of a belief that no jobs were available or that there were none for which he or she would qualify. Beginning in 1994, persons classified as discouraged must also have looked for a job within the past year (or since their last job, if they worked during the year), and must have been available for work

during the reference week (a direct question on availability was added in 1994; prior to 1994, availability had been inferred from responses to other questions). These changes were made because the NCEUS and others felt that the previous definition of discouraged workers was too subjective, relying mainly on an individual's stated desire for a job and not on prior testing of the labor market.

c) Similarly, the identification of persons employed part time for economic reasons (working less than 35 hours in the reference week because of poor business conditions or because of an inability to find full-time work) was tightened by adding two new criteria for persons who usually work part time: They must want and be available for full-time work. Previously, such information was inferred. (Persons who usually work full time but worked part time for an economic reason during the reference week are assumed to meet these criteria.)

d) Specific questions were added about the expectation of recall for persons who indicate that they are on layoff. To be classified as "on temporary layoff," persons must expect to be recalled to their jobs. Previously, the questionnaire did not include explicit questions about the expectation of recall.

e) Persons volunteering that they were waiting to start a new job within 30 days must have looked for work in the 4 weeks prior to the survey in order to be classified as unemployed. Previously, such persons did not have to meet the job search requirement in order to be included among the unemployed.

For additional information on changes in CPS concepts and methods, see *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463, October 1976 and "Overhauling the Current Population Survey—Why is it Necessary to Change?," "Redesigning the Questionnaire," and "Evaluating Changes in the Estimates," *Monthly Labor Review*, September 1993, and "Revisions in the Current Population Survey Effective January 1994," in the February 1994 issue of this publication.

Noncomparability of labor force levels

In addition to the refinements in concepts, definitions, and methods made over the years, other changes have also affected the comparability of the labor force data.

- 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.

- 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.

- 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.

- 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; unemployment levels and rates were essentially unchanged.

- In March 1973, a subsequent population adjustment based on the 1970 census was introduced. 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.

- Beginning in January 1974, the method 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 this publication.

- Effective in July 1975, as a result of the large inflow 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, with all of the changes being confined to the "other" component of the 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 this publication.

- 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 adjustment 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 this publication.

- Beginning in January 1982, the second-stage ratio adjustment method was changed. 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 this publication. 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 the total population and in the 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 also is described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 (described above), and data users should consider them when comparing estimates from different periods.

- Beginning in January 1983, the first-stage ratio adjustment method was updated to incorporate data 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 this publication. 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 method 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 population and labor force estimates were raised by about 425,000 and 305,000, respectively, and Hispanic 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 were 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.

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

- Beginning in January 1994, 1990 census-based population controls, adjusted for the estimated undercount, were introduced into the second stage estimation procedure. This change resulted in substantial increases in total population and in all major labor force categories. Effective February 1996, these controls were introduced into the estimates for 1990-93. Under the new population controls, the civilian noninstitutional population for 1990 increased by about 1.1 million, employment by about 880,000, and unemployment by approximately 175,000. The overall unemployment rate rose by about 0.1 percentage point. For further information, see "Revisions in the Current Population Survey Effective January 1994," and "Revisions in Household Survey Data Effective February 1996" in the February 1994 and March 1996 issues, respectively, of this publication.

Additionally, for the period January through May 1994, the composite estimation procedure was suspended due to technical and logistical reasons.

- Beginning in January 1997, the population controls used in the second-stage ratio adjustment method were revised to reflect updated information on the demographic characteristics of immigrants to, and emigrants from, the United States. As a result, the civilian noninstitutional population 16 years and over was raised by about 470,000. The labor force and employment levels were increased by about 320,000, and 290,000, respectively. The Hispanic-origin population and labor force estimates were raised by about 450,000 and 250,000 respectively, and Hispanic employment by 325,000. Overall and subgroup unemployment rates and other percentages of labor market participation were not affected. An explanation of the changes and their effect on national labor force estimates appear in "Revisions in the Current Population Survey Effective January 1997" in the February 1997 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 this publication.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. The 1980 census occupational classification system evolved from the Standard Occupational Classification (SOC) system and was 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 was based on the 1972 Standard Industrial Classification (SIC) system, as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "whole-

sale" 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 this publication.

Beginning in January 1992, the occupational and industrial classification systems used in the 1990 census were introduced into the CPS. (These systems were largely based on the 1980 Standard Occupational Classification (SOC) and 1987 Standard Industrial Classification (SIC) systems, respectively.) There were a few breaks in comparability between the 1980 and 1990 census-based systems, particularly within the "technical, sales, and administrative support" categories. The most notable changes in industry classification were the shift of several industries from "business services" to "professional services" and the splitting of some industries into smaller, more detailed categories. A number of industry titles were changed as well, with no change in content.

Sampling

Since the inception of the survey, there have been various changes in the design of the CPS sample. The sample is traditionally redesigned and a new sample selected after each decennial census. Also, the number of sample areas and the number of sample persons are changed occasionally. Most of these changes are made in order to improve the efficiency of the sample design, increase the reliability of the sample estimates, or control cost.

Changes in this regard since 1960 are as follows: When Alaska and Hawaii received statehood in 1959 and 1960, respectively, three sample areas were added to the existing sample to account for the population of these States. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia, was designed to provide more reliable annual average estimates for States. In October 1978, a coverage improvement sample of approximately 450 sample household units representing 237,000 occupied mobile homes and 600,000 new construction housing units was added. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added. A sample reduction of about 6,000 units was implemented in May 1981. In January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to the Standard Metropolitan Statistical Areas (SMSA's), which were redefined in 1973. In January 1985, a new State-based CPS sample was selected based on 1980 census information. A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989. A redesigned CPS sample based on the 1990 decennial census was selected for use during the 1990's. Households from this new sample were phased into the CPS between April 1994 and July 1995. The July 1995 sample was the first monthly sample based

entirely on the 1990 census. For further information on the 1990 sample redesign, see "Redesign of the Sample for the Current Population Survey" in the May 1994 issue of this publication.

The original 1990 census-based sample design included about 66,000 housing units per month located in 792 selected geographic areas called primary sampling units (PSU's). The sample was initially selected to meet specific reliability criteria for the Nation, for each of the 50 States and the District of Columbia, and for the sub-State areas of New York City and the Los Angeles-Long Beach metropolitan area. In 1996, the original sample design reliability criteria were modified to reduce costs. The current criteria, given below, are based on the coefficient of variation (CV) of the unemployment level, where the CV is defined as the standard error of the estimate divided by the estimate, expressed as a percentage. These CV controls assume a 6-percent unemployment rate to establish a consistent specification of sampling error.

The current sample design, introduced in January 1996, includes about 59,000 households from 754 sample areas and maintains a 1.9-percent CV on national monthly estimates of unemployment level. This translates into a change of 0.2 percentage point in the unemployment rate being significant at a 90-percent confidence level. For each of the fifty States and for the District of Columbia, the design maintains a CV of at most 8-percent on the annual average estimate of unemployment level, assuming a 6-percent unemployment rate. Due to the national reliability criterion, estimates for several large States are substantially more reliable than the State design criterion requires. Annual average unemployment estimates for California, Florida, New York, and Texas, for example, carry a CV of less than 4 percent.

In the first stage of sampling, the 754 sample areas are chosen. In the second stage, ultimate sampling unit clusters composed of about four housing units each are selected. Each month, about 59,000 housing units are assigned for data collection, of which about 50,000 are occupied and thus eligible for interview. The remainder are units found to be destroyed, vacant, converted to nonresidential use, containing persons whose usual place of residence is elsewhere, or ineligible for other reasons. Of the 50,000 housing units, about 6.5 percent are not interviewed in a given month due to temporary absence (vacation, etc.), other failures to make contact after repeated attempts, inability of persons contacted to respond, unavailability for other reasons, and refusals to cooperate (about half of the noninterviews). Information is obtained each month for about 94,000 persons 16 years of age or older.

Selection of sample areas. The entire area of the United States, consisting of 3,141 counties and independent cities, is divided into 2,007 sample units (PSU's). In most States, a PSU consists of a county or a number of contiguous counties. In New England and Hawaii, minor civil divisions are used instead of counties.

Metropolitan areas within a State are used as a basis for forming PSU's. Outside of metropolitan areas, counties normally are combined except when the geographic area of an individual county is too large. Combining counties to form PSU's provides greater heterogeneity; a typical PSU includes urban and rural residents of both high and low economic levels and encompasses, to the extent feasible, diverse occupations and industries. Another important consideration is that the PSU be sufficiently compact so that, with a small sample spread throughout, it can be efficiently canvassed without undue travel cost.

The 2,007 PSU's are grouped into strata within each State. Then one PSU is selected from each stratum with the probability of selection proportional to the population of the PSU. Nationally, there are a total of 428 PSU's in strata by themselves. These strata are self-representing and are generally the most populous PSU's in each State. The 326 remaining strata are formed by combining PSU's that are similar in such characteristics as unemployment, proportion of housing units with three or more persons, number of persons employed in various industries, and average monthly wages for various industries. The single PSU randomly selected from each of these strata is non-self-representing because it represents not only itself but the entire stratum. The probability of selecting a particular PSU in a non-self-representing stratum is proportional to its 1990 population. For example, within a stratum, the chance that a PSU with a population of 50,000 would be selected for the sample is twice that for a PSU having a population of 25,000.

Selection of sample households. Because the sample design is State based, the sampling ratio differs by State and depends on State population size as well as both national and State reliability requirements. The State sampling ratios range roughly from 1 in every 100 households to 1 in every 3,000 households. The sampling ratio occasionally is modified slightly to hold the size of the sample relatively constant given the overall growth of the population. The sampling ratio used within a sample PSU depends on the probability of selection of the PSU and the sampling ratio for the State. In a sample PSU with a probability of selection of 1 in 10 and a State sampling ratio of 3,000, a within-PSU sampling ratio of 1 in 300 achieves the desired ratio of 1 in 3,000 for the stratum.

The 1990 within-PSU sample design was developed using block-level data from the 1990 census. (The 1990 census was the first decennial census that produced data at the block level for the entire country.) Normally, census blocks are bounded by streets and other prominent physical features such as rivers or railroad tracks. County, Minor Civil Division, and census place limits also serve as block boundaries. In cities, blocks can be bounded by four streets and be quite small in land area. In rural areas, blocks can be several square miles in size.

For the purpose of sample selection, census blocks were grouped into three strata: Unit, group quarters, and area.

(Occasionally, units within a block were split between the unit and group quarters strata.) The unit stratum contained regular housing units with addresses that were easy to locate (e.g. most single family homes, townhouses, condominiums, apartment units, and mobil homes). The group quarters stratum contained housing units where residents shared common facilities or received formal or authorized care or custody. Unit and group quarters blocks exist primarily in urban areas. The area stratum contains blocks with addresses that are more difficult to locate. Area blocks exist primarily in rural areas.

To reduce the variability of the survey estimates and to ensure that the within-PSU sample would reflect the demographic and socioeconomic characteristics of the PSU, blocks within the unit, group quarters, and area strata were sorted using geographic and block-level data from the census. Examples of the census variables used for sorting include proportion of minority renter-occupied housing units, proportion of housing units with female householders, and proportion of owner-occupied housing units. The specific sorting variables used differed by type of PSU (urban or rural) and stratum.

Within each block, housing units were sorted geographically and grouped into clusters of approximately four units. A systematic sample of these clusters was then selected independently from each stratum using the appropriate within-PSU sampling ratio. The geographic clustering of the sample units reduces field representative travel costs. Prior to interviewing, special listing procedures are used to locate the particular sample addresses in the group quarters and area blocks.

Units in the three strata described above all existed at the time of the 1990 decennial census. Through a series of additional procedures, a sample of building permits is included in the CPS to represent housing units built after the decen-

nial census. Adding these newly built units keeps the sample up-to-date and representative of the population. It also helps to keep the sample size stable: over the life of the sample, the addition of newly built housing units compensates for the loss of "old" units which may be abandoned, demolished, or converted to nonresidential use.

Rotation of sample. Part of the sample is changed each month. Each monthly sample is divided into eight representative subsamples or rotation groups. A given rotation group is interviewed for a total of 8 months, divided into two equal periods. It is in the sample for 4 consecutive months, leaves the sample during the following 8 months, and then returns for another 4 consecutive months. In each monthly sample, one of the eight rotation groups is in the first month of enumeration, another rotation group is in the second month, and so on. Under this system, 75 percent of the sample is common from month to month and 50 percent from year to year for the same month. This procedure provides a substantial amount of month-to-month and year-to-year overlap in the sample, thus providing better estimates of change and reducing discontinuities in the series of data without burdening any specific group of households with an unduly long period of inquiry.

CPS sample, 1947 to present. Table 1-A provides a description of some aspects of the CPS sample designs in use since 1947. 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. A description of the 1990 census-based sample design appears in "Redesign of the Sample for the Current Population Survey," in the May 1994 issue of this publication.

Table 1-A. Characteristics of the CPS sample, 1947 to present

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
April 1989 to Oct. 1994 ³	729	57,400	2,600	11,800
Nov. 1994 to Aug. 1995 ⁴	792	54,500	3,500	10,000
Sept. 1995 to Dec. 1995	792	52,900	3,400	9,700
Jan. 1996 to present	754	46,800	3,200	9,000

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.

⁴ Includes 2,000 additional assigned housing units from Georgia and Virginia that were gradually phased in during the 10-month period, October 1994-August 1995.

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. Since 1985, most sample persons within the same State have had the same probability of selection. Some selection probabilities may differ within a State due to the sample design or for operational reasons. Field subsampling, for example, which is carried out when areas selected for the sample are found to contain many more households than expected, may cause probabilities of selection to differ for some sample areas within a State. Through a series of estimation steps (outlined below), the selection probabilities are adjusted for noninterviews and survey undercoverage; data from previous months are incorporated into the estimates through the composite estimation procedure.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted 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 for clusters of similar sample areas that are usually, but not necessarily, contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each cluster, there is a further breakdown by residence. Each MSA cluster is split by "central city" and "balance of the MSA." Each non-MSA cluster is split by "urban" and "rural" residence categories. The proportion of sample households not interviewed varies from 6 to 7 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 State of residence. Because 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 adjustment, as follows:

a. *First-stage ratio estimation.* The purpose of the first-stage ratio adjustment is to reduce the contribution to variance that results from selecting a sample of PSU's rather than drawing sample households from every PSU in the Nation. This adjustment is made to the CPS weights in two race cells: Black and nonblack; it is applied only to PSU's

that are not self-representing and for those States that have a substantial number of black households. The procedure corrects for differences that existed in each State cell at the time of the 1990 census between 1) the race distribution of the population in sample PSU's and 2) the race distribution of all PSU's (both 1 and 2 exclude self-representing PSU's).

b. *Second-stage ratio estimation.* This procedure substantially reduces the variability of estimates and corrects, to some extent, for CPS undercoverage. The CPS sample weights are adjusted to ensure that sample-based estimates of population match independent population controls. Three sets of controls are used:

1) 51 State controls of the civilian noninstitutional population 16 years of age and older,

2) National civilian noninstitutional population controls for 14 Hispanic and 5 non-Hispanic age-sex categories,

3) National civilian noninstitutional population controls for 66 white, 42 black, and 10 "other" age-sex categories.

The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 1990. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 1994, the projections were based on earlier censuses, and there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 1994," appearing in the February 1994 issue of this publication.

3. *Composite estimation procedure.* The last step in the preparation of most CPS estimates makes use of a composite estimation procedure. The composite estimate consists of a weighted average of two factors: The two-stage ratio estimate based on the entire sample from the current month and the composite estimate for the previous month, plus an estimate of the month-to-month change based on the six rotation groups common to both months. In addition, a bias adjustment term is added to the weighted average to account for relative bias associated with month-in-sample estimates. This month-in-sample bias is exhibited by unemployment estimates for persons in their first and fifth months in the CPS being generally higher than estimates obtained for the other months.

The composite estimate results in a reduction in the sampling error beyond that which is achieved after the two stages of ratio adjustment. For some items, the reduction is substantial. The resultant gains in reliability are greatest in estimates of month-to-month change, although gains are also usually obtained for estimates of level in a given month, change from year to year, and change over other intervals of time.

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 indicate primarily the magnitude of the sampling error. They also incorporate the effect of some nonsampling errors in response and enumeration but do not account for 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., the inability to obtain information about all persons in the sample; differences in the interpretation of questions; inability or unwillingness of respondents to provide correct information; inability to recall information; errors made in collecting and 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 are 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. The CPS covers about 92 percent of the decennial census population (adjusted for census undercount). 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 than for whites. Ratio adjustment to independent age-sex-race-origin population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race-origin group.

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

Sampling error. When a sample rather than the entire population is surveyed, estimates differ from the true population values that they represent. This difference, or sampling error, occurs by chance, and its variability is measured by the standard error of the estimate. Sample estimates from a given survey design are unbiased when an average of the estimates from all possible samples would yield, hypothetically, the true population value. In this case, the sample estimate and its standard error can be used to construct approximate confidence intervals, or ranges of values, that include the true population value with known probabilities. If the process of selecting a sample from the population were repeated many times and an estimate and its standard error calculated for 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 true population value.
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 true population value.
3. Approximately 95 percent of the intervals from two

standard errors below the estimate to two standard errors above the estimate would include the true population value.

Although the estimating methods used in the CPS do not produce unbiased estimates, biases for most estimates are believed to be small enough so that these confidence interval statements are approximately true.

Since it would be too costly to develop standard errors for all CPS estimates, generalized variance function techniques are used to calculate sets of standard errors for various types of labor force characteristics. It is important to keep in mind that standard errors computed from these methods reflect contributions from sampling errors and some kinds of nonsampling errors and indicate the general magnitude of an estimate's standard error rather than its precise value.

The generalized variance functions and standard errors provided here are based on the sample design and estimation procedures as of 1987 and have been adjusted to reflect the population levels and sample size as of 1996. Standard errors for years prior to 1996 may be roughly approximated by adjusting, as follows, the standard errors presented here.

1. For the years 1967 through 1995, multiply the standard errors by 0.96.
2. For the years 1956 through 1966, multiply the standard errors by 1.17.
3. For years prior to 1956, multiply the standard errors by 1.44.

More accurate standard error estimates for historical CPS data may be found in previous issues of this publication.

Tables 1-B through 1-H are provided so that approximate standard errors of estimates can be easily obtained. These tables are briefly summarized here; details illustrating the proper use of each table follow.

Tables 1-B and 1-C show standard errors for estimated monthly levels and rates for selected employment status characteristics; these tables also provide standard errors for consecutive month-to-month changes in the estimates. These standard errors are based on levels of recent estimates and can be determined directly by finding the characteristic of interest.

Tables 1-D and 1-E show standard errors for monthly levels and consecutive monthly changes in levels for general employment status characteristics. The standard errors are calculated using linear interpolation based on the size of the monthly estimates.

Tables 1-F and 1-G give parameters that can be used with formulas to calculate a standard error on nearly any specified level, unemployment rate, percentage, or consecutive month-to-month change. For monthly levels and consecutive month-to-month changes in levels, tables 1-F and 1-G are preferred to tables 1-D and 1-E, since the formulas provide more accurate results than linear interpolation.

Table 1-B. Standard errors for major employment status categories
(In thousands)

Category	Monthly level	Consecutive-month change
Total, 16 years and over:		
Civilian labor force	293	216
Employed	312	235
Unemployed	145	161
Men, 20 years and over:		
Civilian labor force	194	164
Employed	206	174
Unemployed	97	113
Women, 20 years and over:		
Civilian labor force	219	165
Employed	224	171
Unemployed	91	105
Both sexes, 16 to 19 years:		
Civilian labor force	97	95
Employed	96	95
Unemployed	62	81
Black, 16 years and over:		
Civilian labor force	138	101
Employed	140	105
Unemployed	66	76
Men, 20 years and over:		
Civilian labor force	78	69
Employed	71	72
Unemployed	43	50
Women, 20 years and over:		
Civilian labor force	98	73
Employed	97	74
Unemployed	44	51
Both sexes, 16 to 19 years:		
Civilian labor force	40	42
Employed	35	37
Unemployed	32	37
Hispanic origin, 16 years and over:		
Civilian labor force	130	91
Employed	134	107
Unemployed	63	73

Table 1-H presents factors used to convert standard errors of monthly levels and rates determined from tables 1-B, 1-C, 1-D, and 1-F to standard errors pertaining to quarterly and yearly averages, consecutive year-to-year changes of monthly estimates, and changes in quarterly and yearly averages.

The standard errors for estimated changes from 1 month to the next, 1 year to the next, etc., depend more on the monthly levels for characteristics than on the size of the changes. Accordingly, tables 1-E, 1-G, and 1-H use monthly levels (not the magnitude of the changes) for approximating standard errors of change. Standard errors for estimated change between nonconsecutive months are not provided (except for year-to-year change); however, these may be assumed to be higher than the standard errors for consecutive monthly change.

Table 1-C. Standard errors for unemployment rates by major characteristics

Characteristic	Monthly level	Consecutive-month change
Total, 16 years and over	0.11	0.13
Men, 16 years and over .....	.15	.18
Men, 20 years and over .....	.14	.17
Women, 16 years and over .....	.16	.19
Women, 20 years and over .....	.16	.19
Both sexes, 16 to 19 years .....	.74	.97
White workers .....	.11	.13
Black workers .....	.45	.53
Hispanic-origin workers .....	.50	.59
Married men, spouse present .....	.15	.18
Married women, spouse present .....	.18	.22
Women who maintain families .....	.54	.64
Occupation		
Executive, administrative, and managerial ..	.20	.24
Professional specialty .....	.20	.23
Technicians and related support .....	.45	.54
Sales .....	.30	.36
Administrative support, including clerical .....	.25	.30
Private household	1.75	2.08
Protective service .....	.67	.80
Service, except private household and protective service .....	.38	.45
Precision production, craft, and repair .....	.34	.40
Machine operators, assemblers, and inspectors .....	.49	.58
Transportation and material moving .....	.55	.66
Handlers, equipment cleaners, helpers, and laborers .....	.73	.87
Farming, forestry, and fishing .....	.73	.87
Industry		
Nonagricultural private wage and salary workers .....	.13	.15
Goods-producing industries .....	.25	.30
Mining	1.39	1.65
Construction .....	.68	.81
Manufacturing .....	.26	.31
Durable goods .....	.32	.38
Nondurable goods .....	.42	.50
Service-producing industries .....	.15	.18
Transportation, communications, and public utilities .....	.42	.50
Wholesale and retail trade .....	.27	.32
Finance and services .....	.19	.23
Government workers .....	.21	.25
Agricultural wage and salary workers	1.18	1.40

Use of tables 1-B and 1-C. These tables provide a quick reference for standard errors of major characteristics. Table 1-B gives approximate standard errors for estimates of monthly levels and consecutive month-to-month changes in levels for major employment status categories. Table 1-C gives approximate standard errors for estimates of monthly unemployment rates and consecutive month-to-month changes in unemployment rates for some demographic, industrial, and occupational categories. For characteristics not given in tables 1-B and 1-C, refer to either tables 1-D and 1-E or tables 1-F and 1-G.

Illustration. Suppose that for a given month the number of women 20 years and over in the civilian labor force is estimated to be 54,000,000. For this characteristic, the approximate standard error of 219,000 is given in table 1-B in the row, "Total, 16 years and over: Women, 20 years and over: Civilian labor force." A 90-percent confidence interval, as shown by these data, would then be the interval from 53,650,000 to 54,350,000. Concluding that the true labor force level lies within this interval would be correct for roughly 90 percent of all possible samples.

Use of tables 1-D and 1-E. From these tables, approximate standard errors can be calculated for estimates of monthly levels and month-to-month changes in levels for major labor force characteristics by race and Hispanic origin. For major categories not shown, such as male or female, tables 1-F and 1-G can be used. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. For table 1-E, which applies to estimates of consecutive month-to-month change, the average of the two monthly levels (not the change) is used to select the appropriate row in the table.

Illustration. Assume that between 2 consecutive months the estimated number of employed persons changed from 115,600,000 to 116,700,000, an apparent increase of 1,100,000. The approximate standard error on this month-to-month change estimate is based on the average level of the estimate for the 2 months, 116,150,000. Using the table 1-E column titled "Labor force data other than agricultural employment and unemployment, Total," it is necessary to find the standard errors corresponding to the two monthly level entries between which the value 116,150,000 lies. The standard error corresponding to 100,000,000 is given as 274,000, and the standard error corresponding to 120,000,000 is given as 246,000. Use linear interpolation to find the approximate standard error on month-to-month change corresponding to the level 116,150,000; one method of calculation is given below.

$$246,000 + \left(\frac{120,000,000 - 116,150,000}{120,000,000 - 100,000,000} \right) (274,000 - 246,000) = 251,000$$

Thus, a 90-percent confidence interval for the true month-to-month change would be approximately the interval from 698,000 to 1,502,000.

Use of tables 1-F and 1-G. These tables can be used to find approximate standard errors for a wide range of estimated monthly levels, proportions, rates, and estimates of consecutive monthly change. Instead of displaying standard errors, these tables provide parameters to be used with the formulas given below that allow the user to calculate standard errors.

Table 1-D. Standard errors for estimates of monthly levels
(In thousands)

Estimated monthly level	Characteristic									
	Agricultural employment		Unemployment			Labor force data other than agricultural employment and unemployment				
	Total or white	Black	Total or white	Black	Hispanic origin	Total	White	Black	Hispanic origin	
									Employed	Civilian labor force or not in labor force
50	12	13	12	13	13	12	12	13	14	14
100	18	18	17	18	19	17	17	18	20	20
500	41	39	38	39	42	39	39	39	44	44
1,000	62	55	54	54	59	54	54	55	61	61
2,000	96	76	76	74	82	77	77	76	83	83
4,000	157		107	96	113	108	108	103	111	111
6,000	216		131	106		131	131	120	126	126
8,000	273		150	108		151	150	131	134	134
10,000	330		167	101		168	167	137	135	135
15,000			201			202	201	137	110	110
20,000			228			229	227	113		
30,000						271	267			
40,000						302	296			
50,000						324	315			
60,000						340	327			
70,000						350	333			
80,000						354	333			
100,000						349	313			
120,000						322	264			
140,000						267	159			
160,000										
180,000										

Table 1-E. Standard errors for estimates of month-to-month change in levels
(In thousands)

Estimated monthly level	Characteristic									
	Agricultural employment		Unemployment			Labor force data other than agricultural employment and unemployment				
	Total or white	Black	Total or white	Black	Hispanic origin	Total	White	Black	Hispanic origin	
									Employed	Civilian labor force or not in labor force
50	14	12	14	15	16	10	10	10	12	10
100	19	17	20	21	22	14	14	15	17	14
500	43	37	46	46	50	32	32	33	37	31
1,000	59	52	64	63	69	45	45	45	51	43
2,000	78	72	89	84	95	63	63	62	70	59
4,000	95		124	104	127	88	88	84	93	78
6,000	94		148	106		108	108	97	105	89
8,000	73		166	92		123	123	104	110	94
10,000			180	47		137	137	108	110	95
15,000			204			165	165	100	79	76
20,000			215			187	187	58		
30,000						221	221			
40,000						245	245			
50,000						262	262			
60,000						274	274			
70,000						281	281			
80,000						283	283			
100,000						274	274			
120,000						246	246			
140,000						188	188			
160,000										
180,000										

Table 1-G, which applies to estimates of consecutive monthly change, lists parameters for some characteristics classified by a measure of correlation between monthly estimates. Estimates of the number of persons employed full time, for example, change relatively little from one month to the next, and the two monthly estimates are said to be highly correlated. Consecutive monthly estimates of part-time employment, by contrast, have low correlation, since these estimates are relatively volatile.

Major characteristics for which consecutive monthly estimates are known to have high or low correlation are indicated in table 1-G. Not all categories in table 1-G, however, are broken down into low or high correlation characteristics. When high or low correlation is not specified in table 1-G, the parameters in table 1-G should be selected from the rows labeled "Most characteristics" or from rows not specifying correlation.

Standard errors of estimated levels. The approximate standard error, s_x , of an estimated monthly level, x , can be obtained using the formula below, where a and b are the parameters from table 1-F associated with the particular characteristic. The same formula can be used to approximate the standard error of an estimated month-to-month change in level; simply average the levels for the 2 consecutive months and use the parameters from table 1-G.

$$s_x = \sqrt{ax^2 + bx}$$

Illustration. Assume that in a given month there are an estimated 6 million unemployed men in the civilian labor force ($x = 6,000,000$). Obtain the appropriate a and b parameters from table 1-F ("Unemployment: Total or white"). Use the formula to compute an approximate standard error on the estimate of 6,000,000.

$$a = -0.000017962 \quad b = 2957.13$$

$$s_x = \sqrt{(-0.000017962)(6,000,000)^2 + (2957.13)(6,000,000)} \doteq 131,000$$

Suppose that in the next month the estimated number of unemployed men increases by 200,000 to 6,200,000. The average of the monthly levels is $x = 6,100,000$. Obtain the appropriate a and b parameters from table 1-G ("Unemployment: Total or white, Total, men, women"). Use the formula to compute an approximate standard error on the estimated change of 200,000.

$$a = -0.000093662 \quad b = 4191.84$$

$$s_x = \sqrt{(-0.000093662)(6,100,000)^2 + (4191.84)(6,100,000)} \doteq 149,000$$

An approximate 90-percent confidence interval for the true month-to-month change would be the interval from

-38,000 to 438,000. Because this interval covers zero, one cannot assert at this level of confidence that any real change has occurred in the unemployment level. This result can also be expressed by saying that the apparent change of 200,000 is not significant at a 90-percent confidence level.

Standard errors of estimated percentages and rates. Generally, percentages and rates are not published unless the monthly base (denominator) is greater than 75,000 persons, the quarterly average base is greater than 60,000 persons, or the annual average base is greater than 35,000 persons.

The reliability of an estimated percentage or rate depends upon the magnitude of the percentage or rate and its base. When the numerator and base are in different categories, use the parameters from table 1-F or 1-G relevant to the numerator. The approximate standard error, $s_{y,p}$, of an estimated percentage or rate, p , can be obtained using the following formula, where y is the estimated number of persons in the base.

$$s_{y,p} = \sqrt{\frac{b}{y} p(100-p)}$$

Illustration. For a given month, suppose that 5,600,000 women, 20 to 24 years of age, are estimated to be employed. Of this total, 1,800,000 or 32 percent are classified as part-time workers. To estimate the standard error on this percentage, proceed as follows. Obtain the parameter $b = 2529.99$ from table 1-F ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Total, Women"). Apply the formula to obtain:

$$s_{y,p} = \sqrt{\frac{2529.99}{5,600,000} (32)(100-32)} \doteq 1.0 \text{ percent}$$

Suppose that in the next month 5,700,000 women in this same age group are reported employed and that 1,950,000 or 34 percent are part-time workers. To estimate the standard error on the observed month-to-month change of 2 percentage points, first average the values for p and y over the 2 months to get $p = 33$ percent and $y = 5,650,000$. Next, obtain the parameter $b = 2690.59$ from table 1-G ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Total or white, Women: Low correlation characteristics") and apply the formula as follows.

$$s_{y,p} = \sqrt{\frac{2690.59}{5,650,000} (33)(100-33)} \doteq 1.0 \text{ percent}$$

It should be noted that the numerator of the percentage (part-time employed) determined the choice of correlation.

Table 1-F. Parameters for computation of standard errors for estimates of monthly levels

Characteristic	a	b
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total ¹	-0.000017682	2985.26
Men ¹	-.000032770	2764.05
Women	-.000029553	2529.99
Both sexes, 16 to 19 years	-.000171805	2544.62
White ¹	-.000020028	2984.72
Men	-.000036840	2766.67
Women	-.000033710	2526.82
Both sexes, 16 to 19 years	-.000204195	2549.88
Black	-.000125300	3139.26
Men	-.000302096	2930.79
Women	-.000182509	2637.41
Both sexes, 16 to 19 years	-.001294516	2949.48
Hispanic origin	-.000206380	3895.71
Not in labor force, total or white, excluding women and 16-to-19 year olds .....	.000005931	828.79
Agricultural employment:		
Total or white .....	.000782035	3048.57
Men .....	.000858136	2825.09
Women or both sexes, 16 to 19 years	-.000024885	2582.39
Black	-.000134884	3154.76
Hispanic origin:		
Total or women .....	.011857446	2894.85
Men or both sexes, 16 to 19 years .....	.015736341	1702.50
Unemployment:		
Total or white	-.000017962	2957.13
Black	-.000212109	3149.77
Hispanic origin	-.000101820	3576.47

¹ Excludes not-in-labor-force data.

If the example had illustrated percentages of women employed full time, the numerator would have been a high correlation characteristic. Table 1-G, however, does not explicitly list high correlation parameters for employed women; thus, the row labeled "Women, Most characteristics" would have been used.

Had the example dealt with teenage women employed part time, either of two rows in table 1-G could have been applied ("Women: Low correlation characteristics" or "Both sexes, 16 to 19 years"). In situations like this, where it is not clear which row applies, a general rule to follow is to choose the row with the largest b parameter. This gives a more conservative estimate of standard error.

Use of table 1-H. Use this table with table 1-B, 1-C, 1-D, or 1-F to calculate approximate standard errors for quarterly

or yearly averages, changes in consecutive quarterly or yearly averages, and consecutive year-to-year changes in monthly estimates. Table 1-H gives factors that can be used to convert standard errors for monthly levels into standard errors for other time periods and changes over time. Follow these three basic steps:

Step 1. Average estimates appropriately. For quarterly estimates, average the 3 monthly estimates. For yearly estimates, average the 12 monthly estimates. For changes in consecutive averages, average over the 2 quarters or 2 years. For consecutive year-to-year changes in monthly estimates, average the 2 months involved.

Step 2. Obtain a standard error on a monthly estimate using table 1-B or 1-C, or apply the procedures for table 1-D or 1-F to the average calculated in step 1, as if the average were an estimate for a single month.

Step 3. Determine the standard error on the average or on the estimate of change. Multiply the result from step 2 by the appropriate factor from table 1-H.

Illustration. Suppose that standard errors are desired for a quarterly average of black employment levels and for the change in averages from 1 quarter to the next. For each successive month of the first quarter, suppose the levels are observed to be 11,500,000, 11,600,000, and 11,700,000.

Step 1. The quarterly average is 11,600,000.

Step 2. Obtain the a and b parameters from table 1-F ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Black"). Use the formula for s_x to compute an approximate standard error for a monthly estimate of 11,600,000.

$$a = -0.000125300 \quad b = 3139.26$$

$$s_x = \sqrt{(-0.000125300)(11,600,000)^2 + (3139.26)(11,600,000)} \doteq 140,000$$

Step 3. Multiply this result by the factor .87 from table 1-H (column labeled "Quarterly averages" and row labeled "Labor force and not-in-labor-force data other than agricultural employment and unemployment, Black"). This gives an approximate standard error of 122,000 on the quarterly average of 11,600,000.

Proceed to obtain the approximate standard error on the change in consecutive quarterly average estimates of black employment. Assume that black employment estimates for the months in the second quarter are observed to be 11,100,000, 11,200,000, and 11,300,000.

Step 1. The average for the second quarter is 11,200,000.

Table 1-G. Parameters for computation of standard errors for estimates of month-to-month change in levels

Characteristic	a	b
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total or white:		
Most characteristics	-0.000012482	2001.12
High correlation characteristics ¹	-.000009288	1564.84
Low correlation characteristics ¹	-.000016162	2550.56
Men:		
Most characteristics	-.000022599	1921.13
High correlation characteristics	-.000016814	1500.99
Low correlation characteristics	-.000058387	2668.56
Women:		
Most characteristics	-.000021229	1689.99
Low correlation characteristics	-.000059785	2690.59
Both sexes, 16 to 19 years	-.000186555	2616.54
Black:		
Most characteristics	-.000098960	2147.36
Low correlation characteristics	-.001928030	6513.82
Men:		
Most characteristics	-.000234427	2280.03
Low correlation characteristics	-.002881467	5829.60
Women:		
Most characteristics	-.000156363	1860.78
Low correlation characteristics	-.002311407	5420.13
Both sexes, 16 to 19 years	-.001288452	3131.77
Hispanic origin:		
Total	-.000157201	2774.53
Civilian labor force and not in labor force	-.000102898	1930.51
Low correlation characteristics	-.002624078	8620.43
Men, civilian labor force and not in labor force	-.000248038	2347.42
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years	-.000398909	3615.62
Women, 16 years and over and 20 years and over	-.000338741	2569.69
Agricultural employment:		
Total or white:		
Total	-.000395757	3838.04
Men	-.000672985	3959.25
Women or both sexes, 16 to 19 years .....	.000130289	2367.00
Black:		
Total or women	-.000122355	2861.72
Men or both sexes, 16 to 19 years	-.019110769	5876.77
Hispanic origin:		
Total or women .....	.002872129	4640.81
Men or both sexes, 16 to 19 years .....	.002884390	4028.10
Self-employed	-.000245791	2091.57
Unemployment:²		
Total or white:		
Total, men, women	-.000093662	4191.84
Both sexes, 16 to 19 years and low correlation characteristics	-.000071624	5121.75
Black:		
Total, men, women, and both sexes, 16 to 19 years	-.000414217	4361.16
High correlation characteristics .....	.000048170	3088.91
Hispanic origin:		
Total, men, women	-.000252897	5054.25
Both sexes, 16 to 19 years and low correlation characteristics	-.000996431	7037.75

¹ High correlation characteristics include employed full-time, manufacturing, service workers, and not in the labor force. Low correlation characteristics include all part-time workers; employed, with a job, but not at work; unpaid family workers; and precision production, craft, and repair occupations.

² High correlation characteristics include full-time jobseekers; job losers; manufacturing workers; and operators, fabricators, and laborers. Low correlation characteristics include part-time jobseekers, reentrants, persons unemployed for less than 5 weeks and from 5 to 14 weeks.

The average of the 2 quarters is 11,400,000.

Step 2. Obtain the a and b parameters as above and use the formula for s_x to compute an approximate standard error for the estimate of 11,400,000, treating it as an estimate for a single month.

$$s_x = \sqrt{(-0.000125300)(11,400,000)^2 + (3139.26)(11,400,000)} = 140,000$$

Step 3. Multiply this result by the factor .84 from table

1-H (column labeled "Change in quarterly averages" and row labeled "Labor force and not-in-labor-force data other than agricultural employment and unemployment, Black"). This gives an approximate standard error of 118,000 on the estimated change of 400,000 from one quarter to the next.

The estimated change clearly exceeds 2 standard errors; therefore, one could conclude from these data that the change in quarterly averages is significant.

Table 1-H. Factors to be used with tables 1-B, 1-C, 1-D, and 1-F 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	0.92	0.70	0.79	0.70
Women	1.30	.82	.84	.57	.70
Both sexes, 16 to 19 years	1.30	.78	.88	.49	.70
Part time	1.40	.80	.80	.59	.70
Unemployment:					
Total	1.40	.74	.88	.46	.65
Part time	1.40	.67	.88	.42	.54
Labor force and not-in-labor-force data other than agricultural employment and unemployment:					
Total or white	1.30	.87	.85	.65	.70
Black	1.30	.87	.84	.65	.70
Hispanic origin	1.30	.87	.80	.65	.70
Both sexes, 16 to 19 years	1.30	.79	.88	.54	.70
Part time	1.40	.82	.90	.51	.60

Establishment Data ("B" tables)

COLLECTION

BLS cooperates with State employment security agencies in the Current Employment Statistics (CES) or establishment survey to collect data each month on employment, hours, and earnings from a sample of nonfarm establishments (including government). This sample includes about 390,000 reporting units. From these data, a large number of employment, hours, and earnings series in considerable industry and geographic detail are prepared and published each month. Historical statistics are available on the Internet at: <http://stats.bls.gov>

Each month, the State agencies collect data on employment, payrolls, and paid hours from a sample of establishments. Data are collected by mail from most respondents; phone collection is used to obtain higher response rates from selected respondents through computer-assisted interviews, touch-tone self-response, and voice recognition technology.

The respondents extract the requested data from their payroll records, which must be maintained for a variety of tax and accounting purposes. All firms with 250 employees or more are asked to participate in the survey, as well as a sample of smaller firms.

A "shuttle" schedule (BLS form 790 series) is used for mail respondents. It is submitted each month by the respondents, edited by the State agency, and returned to the respondent for use again the following month.

The technical characteristics of the shuttle schedule are particularly important in maintaining continuity and consistency in reporting from month to month. The shuttle design automatically exhibits the trends of the reported data covered by the schedule during the year; therefore, the relationship of the current data to the data for the previous months is shown. The schedule also has operational advantages. For example, accuracy and economy are achieved by entering the identification codes and the address of the reporter only once a year.

All schedules are edited by the State agencies each month to make sure that the data are correctly reported and that they are consistent with the data reported by the establishment in earlier months and with the data reported by other establishments in the industry. The State agencies forward the data, either on the schedules themselves or in machine-readable form, to BLS-Washington. They also use the information provided on the forms to develop State and area estimates of employment, hours, and earnings. At BLS, the data are edited again by computer to detect processing and reporting errors which may have been missed in the initial State editing; the edited data are used to prepare national estimates.

It should be noted that for employment, the sum of the State figures will differ from the official U.S. national totals because of the effects of differing industrial and geo-

graphic stratification and differences in the timing of benchmark adjustments.

CONCEPTS

Industrial classification

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

All data on employment, hours, and earnings for the Nation (beginning with August 1990 data) and for States and areas (beginning with January 1990 data) are classified in accordance with the *1987 Standard Industrial Classification Manual* (SIC), Office of Management and Budget.

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 day of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

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

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

Indexes of diffusion of employment change (table B-6). These indexes measure the dispersion among industries of the change in employment over the specified time span.

Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (3-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 3-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. This category includes 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. This group includes 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. These are 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. This refers to 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 day 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. Employee benefits (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

Hours. These are 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. These are 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 fig-

ures for 1982. For basic industries, the hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

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

Because overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months.

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

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

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

For each sample establishment in SIC 3721 and SIC 3761

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

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

Railroad hours and earnings. The figures for Class I railroads plus Amtrak (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. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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

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

Real earnings. These earnings are in constant dollars and 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). The reference year for these series is 1982.

ESTIMATING METHODS

The Current Employment Statistics (CES) or establishment survey estimates of employment are generated through an annual benchmark and monthly sample link procedure. Annual universe counts or benchmark levels are generated primarily from administrative records on employees covered by unemployment insurance (UI) tax laws. These annual benchmarks, established for March of each year, are projected forward for each subsequent month based on the trend of the sample employment, using an estimation procedure called the link relative. Benchmarks and sample link relatives are computed for each of 1,698 basic estimation cells defined by industry, size, and geography for the CES national estimates, and summed to create aggregate level employment estimates.

Benchmarks

The establishment survey constructs annual benchmarks in order to realign the sample-based employment totals for March of each year with the UI-based population counts for March. These population counts are much less timely than sample-based estimates; however, they provide an annual point-in-time census for employment.

Population counts are derived from the administrative file of employees covered by UI. All employers covered by UI laws are required to report employment and wage information to the appropriate State employment security agency four times a year. Approximately 98 percent of in-scope private employment is covered by UI. A benchmark for the remaining 2 percent is constructed from alternate sources, primarily records from the Interstate Commerce Commission and the Social Security Administration. The full benchmark developed for March replaces the March sample-based estimate for each basic cell. The monthly sample-based estimates for the year preceding and the year following the benchmark are also then subject to revision.

Monthly estimates for the year preceding the March benchmark are readjusted using a "wedge back" procedure. The difference between the final benchmark level and the previously published March sample estimate is calculated and spread back across the previous 11 months. The wedge is linear; eleven-twelfths of the March difference is added to the February estimates, ten-twelfths to the January estimates, and so on, back to the previous April estimates which receive one-twelfth of the March difference. This assumes that the total estimation error since the last benchmark accumulated at a steady rate throughout the current benchmark year.

Estimates for the 11 months following the March benchmark are also recalculated each year. These post-benchmark estimates reflect the application of sample-based monthly changes to new benchmark levels for March, and the recomputation of bias adjustment factors for each month. Bias factors are updated to take into account the most recent experience of the estimates generated by the monthly

sample versus the full universe counts derived from the UI.

Following the revision of basic employment estimates, all other derivative series (e.g., production workers, average hourly earnings) are also recalculated. New seasonal adjustment factors are calculated and all data series, usually for the previous 5 years, are reseasonally adjusted, prior to full publication of all revised data in June of each year.

Monthly estimation

Estimates are derived from a sample of approximately 390,000 business establishments nationwide. A current month's estimate is derived as the product of the previous month's estimate and a sample link relative for the current month. A bias adjustment factor is then applied to this result primarily to help account for new business births during the month.

Stratification. The sample is stratified into 1,698 basic estimation cells for purposes of computing national employment, hours, and earnings estimates. Cells are defined primarily by detailed industry, and secondarily by size for a majority of cells. In a few industries, mostly within the construction division, geographic stratification is also used. Industry classification is in accordance with the *1987 Standard Industrial Classification Manual* (SIC); most estimation cells are defined at the 4-digit SIC level.

This detailed stratification pattern allows for the production and publication of estimates in considerable industry detail. Sub-industry stratification by size is important because major statistics which the survey measures, particularly employment change and average earnings, often vary significantly between establishments of different size. Stratification reduces the variance of the published industry level estimates.

Link relative technique. A ratio of the previous to the current month's employment is computed from a sample of establishments reporting for both months—this ratio is called a "link relative." For each basic cell, a link relative is computed and applied to the previous month's employment estimate to derive the current month's estimate. Thus a March benchmark is moved forward to the next March benchmark through application of monthly link relatives. Basic cell estimates created through the link relative technique are aggregated to form published industry level estimates, for employment, as described in table 2-A. Basic estimation and aggregation methods for the hours and earnings data are also shown in table 2-A.

Bias adjustment. Bias adjustment factors are computed at the 3-digit SIC level, and applied each month at the basic cell level, as part of the standard estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey, the inability to capture, on a timely basis, employment generated by new firm births. There is a several month lag between an

Table 2-A. 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.

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

²The 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.

establishment opening for business and its appearing on the UI universe frame and being available for sampling. Because new firms generate a portion of employment growth each month of the year, nonsampling methods must be used to capture this growth, otherwise substantial underestimation of total employment levels would occur. Formal bias adjustment procedures have been used by the establishment survey since the late 1960's. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming year. The undercount errors were measured as the difference between sample-based estimate results and benchmark levels.

This procedure eventually proved inadequate during periods of rapidly changing employment trends, and the bias adjustment methodology was revised. Research done in the early 1980's indicated that bias requirements were strongly correlated with current employment growth or decline. Based on this research, a revised method was developed which incorporated the sample data on employment growth over the most recent two quarters, and a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This change in methodology provided a more cyclically sensitive bias model. The regression-adjusted mean error model has been in use since 1983, for the production of national estimates.

The current model still has limitations in its ability to react to changing economic conditions or changing error structure relationships between the sample-based estimates and the UI universe counts. A principal limitation is the inability to incorporate UI universe counts as they become available on an ongoing basis, with a 6- to 9-month lag from the reference period. Thus, the current quarterly outputs from the model are subject to intervention analysis, and adjustments can be made to its results, prior to the establishment of final bias levels for a quarter. Review is done primarily in terms of detection of outlier (i.e. abnormally high or low) values, and by comparison of CES sample and bias trends with the most recent quarterly observations of UI universe counts. The BLS currently has under study improved bias models utilizing a Kalman filter technique, which would allow a more formal, structured incorporation of each quarter's UI universe counts in the bias modeling process.

Although the primary function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other elements of nonsampling error in the survey, because the primary input to the modeling procedure is total estimation error. Significant among these nonsampling error sources is a business death bias. When a sampled firm closes down, most often it simply does not respond to the survey that month, rather than reporting zero employment. Followup with nonrespondents may reveal an out-of-business firm, but this information is often received too late to incorporate into monthly esti-

mates, and the firm is simply treated as a nonrespondent for that month.

Because the bias adjustments incorporated into the estimates represent a composite of a birth bias, death bias, and a number of other differences between the sample-based estimates and the population counts, the monthly bias adjustment levels have no specific economic meaning in and of themselves.

Table 2-B summarizes bias adjustments for the 1986-96 period. The table displays the average monthly "bias added" and the average monthly "bias required" with the benchmark revisions for each year. Bias added shows the average amount of bias which was added each month over the course of an interbenchmark period. For example, the bias added for 1996 is listed as 129,000; this represents the average of bias adjustments made each month over the period April 1995 through March 1996. Bias required is computed retrospectively, after the March benchmark for a given year is known. Bias required figures are calculated by taking the difference between a March estimate derived purely from the sample (i.e. a series calculated without bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required is thus defined as the amount of bias adjustment which would have achieved a zero benchmark error. The difference between the total bias required and the total bias added is then, by definition, approximately the benchmark revision amount, for any given year. Also provided in the table for illustration, are the March-to-March changes. As discussed above, the over-the-year changes indicate correlation with the bias added and bias required figures.

THE SAMPLE

Design

The emphasis in the establishment survey is on producing timely data at minimum cost. Therefore, the primary goal of its design is to sample a sufficiently large segment of the universe to provide reliable estimates that can be published both promptly and regularly. The present sample allows BLS to produce preliminary total nonfarm employment estimates for each month, including some limited industry detail, within 3 weeks after the reference period, and data in considerably more detail with an additional 1-month lag.

The CES survey, which began over 50 years ago, predates the introduction of probability sampling methods and has operated as a quota sample since its inception.

The sampling plan used is a form of sampling with probability proportionate to size, known as "sampling proportionate to average size of establishment". This is an optimum allocation design among strata because sampling variance is proportional to the average size of establishments. The universe of establishment employment is highly skewed, with a large percentage of total employment concentrated in relatively few establishments. Because vari-

ance on a population total estimate is a function of percentage universe coverage achieved by the sample, it is efficient to sample larger establishments at a higher rate than smaller establishments, assuming the cost per sample unit is fairly constant across size classes.

Under the survey design, large establishments fall into a certainty strata for sample selection. The size of the sample for the various industries is determined empirically on the basis of experience and cost considerations. For example, in a manufacturing industry with a high proportion of total employment concentrated in a small number of 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 a relatively few chosen from among the smaller establishments. For an industry in which a large proportion of total employment is concentrated in small establishments, the sample design again calls for inclusion of all large establishments but also for a more substantial number of smaller 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 have a sample design for these industries with a smaller proportion of total universe coverage than is the case for most manufacturing industries.

Coverage

The establishment survey is the largest monthly sampling operation in the field of social statistics. Table 2-C shows the latest benchmark employment levels and the approximate proportion of total universe employment coverage, at the total nonfarm and major industry division levels. The coverage for individual industries within the divisions may vary from the proportions shown.

Reliability

The establishment survey, like other sample surveys, is subject to two types of error, sampling and nonsampling error. The magnitude of sampling error, or variance, is directly related to the size of the sample and the percentage of universe coverage achieved by the sample. The establishment survey sample covers over one-third of total universe employment; this yields a very small variance on the total nonfarm estimates. Measurements of error associated with sample estimates are provided in tables 2-D through 2-G.

Benchmark revision as a measure of survey error. The sum of sampling and nonsampling error can be considered total survey error. Unlike most sample surveys which publish sampling error as their only measure of error, the CES can derive an annual approximation of total error, on a lagged basis, because of the availability of the independently derived universe data. While the benchmark error is used as a measure of total error for the CES survey estimate, technically, it actually represents the difference between two independent estimates derived from separate survey processes (i.e., the CES sample process and the UI universe process) and thus reflects the errors present in each program. Historically, the benchmark revision has been very small for total nonfarm employment. Over the past decade, percentage benchmark error has averaged 0.3 percent, with a range from zero to 0.7 percent. Table 2-D shows the most current benchmark revisions, along with 10-year mean revisions and mean absolute revisions for major industries. Mean revisions give an indication of bias in the estimates; unbiased estimates have a mean revision close to zero, as over and under estimations cancel out over time. Mean absolute revisions give an overall indicator as to the accuracy of the

Table 2-B. March employment benchmarks and bias adjustments for total private industries, March 1986-96
(In thousands)

Year	Benchmark		Average monthly bias		Over-the-year employment change ⁵
	Employment ¹	Revision ²	Added ³	Required ⁴	
1986	81,204	-400	149	116	1,758
1987	83,173	21	98	99	1,969
1988	86,180	-310	114	88	3,007
1989	89,015	-93	131	123	2,835
1990	90,546	-261	85	63	1,531
1991	88,790	-583	61	12	-1,756
1992	88,347	-130	33	22	-443
1993	89,790	288	83	107	1,443
1994	92,730	686	115	171	2,940
1995	96,175	511	144	187	3,445
1996	98,158	72	129	135	1,983

¹ Universe counts for March of each year are used to make annual benchmark adjustments to the employment estimates. About 98 percent of the benchmark employment is from unemployment insurance administrative records, and the remaining 2 percent is from alternate sources. Data represent benchmark levels as originally computed.

² Difference between the final March sample-based estimate and the benchmark level for total private employment.

³ The average amount of bias adjustment each month over the

course of an inter-benchmark period, i.e., from April of the prior year through March of the given year.

⁴ The difference between the March benchmark and the March estimate derived solely from the sample without bias adjustment, converted to a monthly amount by dividing by 12.

⁵ March-to-March changes in the benchmark employment level.

NOTE: Data in this table exclude government employment because there is no bias adjustment for this sector.

estimates; the larger the value, the further the estimate was from the final benchmark level.

Estimated standard errors for employment, hours, and earnings. The hours and earnings estimates for the basic estimating cells do not have universe data sources available and therefore are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. Like the employment estimates, the hours and earnings estimates are also subject to sampling and nonsampling errors. Estimates of the sampling error for employment, hours, and earnings were computed using the method of random groups and are expressed as relative standard errors (standard error divided by the estimate). Relative standard errors for individual industries with the specified number of employees are presented in table 2-E and for major industries in table 2-F. Multiplying the relative standard error by its estimated value gives the estimate of the standard error. The errors presented here are based on averages observed from sample data over the March 1994 through March 1995 period.

Standard errors for differences between industries and times. The standard error of a difference is required to test for significant differences between estimates from two different industries. Since the estimates for the two industries are independent, the standard error of a difference is the square root of the sum of the estimated variance of each estimate, S_1^2 and S_2^2 .

$$S \text{ difference} = \sqrt{s_1^2 + s_2^2}$$

The CES sample overlaps almost entirely from month to month, so monthly estimates are not independent. The covariance between these estimates must be accounted for when testing the significance of the change in estimates over time. The standard error of the change can be estimated as follows.

$$S \text{ change} = \sqrt{s_1^2 + s_2^2 - 2\rho s_1 s_2}$$

If $S_1 = S_2$, then:

$$S \text{ change} = \sqrt{2s_1^2(1-\rho)}$$

Conservative estimates of ρ after one month are 0.8 for employment, 0.6 for average weekly hours, and 0.8 for average hourly earnings.

If the bias is small, then the standard error can be used to construct approximate confidence intervals or range of values that include the true population value. If the process

of selecting a sample from the population were repeated many times and an estimate and its standard error calculated for each sample, then approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the true population value.

Noneconomic code changes. A major source of benchmark revision at the major industry division level and below are noneconomic code changes, which are introduced into the universe data in the first quarter of each calendar year.

Approximately one-third of all establishments in the universe are included in the universe program's annual Standard Industrial Classification (SIC) refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this process. The refiling cycle is such that every third year entire division(s) are subject to refiling. The volume of these adjustments is generally quite large and has a substantial impact on universe employment counts at the industry levels, although the total nonfarm employment level remains unaffected. For example, in a year when the services division is refiled, a substantial

Table 2-C. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1996

Industry	Bench- marks (thou- sands)	Sample coverage ¹		
		Number of estab- lish- ments	Employees	
			Number (thou- sands)	Percent of bench- marks
Total	117,952	327,799	44,496	38
Mining	566	3,172	237	42
Construction	4,952	26,429	978	20
Manufacturing	18,366	58,259	8,968	49
Transportation and public utilities	6,159	² 16,432	2,358	38
Wholesale trade ..	6,396	25,768	1,153	18
Retail trade	21,023	63,150	4,959	24
Finance, insurance, and real estate ...	6,815	24,268	2,200	32
Services	33,881	78,057	8,286	24
Government:				
Federal	2,770	³ 5,335	2,770	100
State	4,750	7,098	3,987	84
Local	12,274	19,831	8,600	70

¹ Counts reflect reports used in final estimates. Because 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 1 railroads plus Amtrak. A small sample is used to estimate hours and earnings data.

³ Total Federal employment counts by agency for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of reports covering about 62 percent of employment in Federal establishments.

Table 2-D. Current (March 1996) and historical benchmark revisions
(Numbers in thousands)

Industry	March 1996 benchmark revision		10-year average mean percent revision ¹	
	Level	Percent	Actual	Absolute
Total	57	(²)	(²)	0.3
Total private	72	.1	(²)	.3
Goods-producing	189	.8	-0.1	.8
Mining	3	.5	-1.2	1.7
Metal mining	3	5.7	-1.6	3.1
Coal mining	-3	-3.1	-1.1	2.2
Oil and gas extraction	7	2.2	-1.4	2.6
Nonmetallic minerals, except fuels	-1	-1.0	-.4	1.6
Construction	8	.2	-.7	1.4
General building contractors	21	1.8	-.4	2.6
Heavy construction, except building	7	1.0	.2	1.8
Special trade contractors	-19	-.6	-1.0	1.5
Manufacturing	178	1.0	.1	.7
Durable goods	92	.9	.1	.7
Lumber and wood products	16	2.1	.2	1.7
Furniture and fixtures	3	.6	.3	1.1
Stone, clay, and glass products	5	.9	.3	.7
Primary metal industries	5	.7	-.1	.9
Blast furnaces and basic steel products	3	1.2	.4	1.3
Fabricated metal products	-3	-.2	(²)	.9
Industrial machinery and equipment	26	1.2	-.1	1.3
Computer and office equipment	4	1.1	(²)	2.4
Electronic and other electrical equipment	1	.1	-.5	.9
Electronic components and accessories	-3	-.5	-.4	1.7
Transportation equipment	17	1.0	1.0	1.1
Motor vehicles and equipment	9	1.0	1.4	1.4
Aircraft and parts	5	1.1	1.0	1.5
Instruments and related products	21	2.5	.2	1.9
Miscellaneous manufacturing	1	.3	2.0	1.4
Nondurable goods	86	1.1	(²)	.7
Food and kindred products	37	2.2	.1	1.0
Tobacco products	0	0	-.2	4.5
Textile mill products	-10	-1.6	-.1	.9
Apparel and other textile products	17	1.9	.1	1.3
Paper and allied products	4	.6	.4	.6
Printing and publishing	10	.6	-.3	.8
Chemicals and allied products	11	1.1	-.1	.9
Petroleum and coal products	3	2.1	-.5	1.6
Rubber and miscellaneous plastics products	13	1.3	.5	1.5
Leather and leather products	0	0	-.6	2.5
Service-producing	-132	-.1	.1	.3
Transportation and public utilities	-74	-1.2	-.3	1.0
Transportation	-14	-.4	-.4	1.3
Railroad transportation	0	0	-.9	1.1
Local and interurban passenger transit	-13	-2.9	.1	2.4
Trucking and warehousing	-242	-15.2	-1.6	2.9
Water transportation	0	0	.5	3.6
Transportation by air	261	23.9	2.7	5.2
Pipelines, except natural gas	1	6.7	.6	5.1
Transportation services	-21	-5.1	-1.6	3.3
Communications and public utilities	-60	-2.7	-.2	1.1
Communications	-50	-3.8	-.2	1.7
Electric, gas, and sanitary services	-11	-1.2	-.2	.8
Wholesale trade	-108	-1.7	-.4	1.3
Durable goods	-66	-1.8	-.5	1.5
Nondurable goods	-42	-1.6	-.3	1.1

See footnotes at end of table.

Table 2-D. Current (March 1996) and historical benchmark revisions—Continued
(Numbers in thousands)

Industry	March 1996 benchmark revision		10-year average mean percent revision ¹	
	Level	Percent	Actual	Absolute
Retail trade	111	.5	.5	.7
Building materials and garden supplies	-11	-1.3	.2	1.6
General merchandise stores	9	.3	2.2	2.7
Department stores	-6	-.3	2.8	3.5
Food stores	7	.2	-.2	.8
Automotive dealers and service stations	-1	(²)	-1.1	1.1
New and used car dealers	1	.1	-.5	1.0
Apparel and accessory stores	-4	-.4	1.1	1.6
Furniture and home furnishings stores	9	.9	-.4	1.1
Eating and drinking places	79	1.1	.8	1.3
Miscellaneous retail establishments	20	.8	.3	.9
Finance, insurance, and real estate	-78	-1.1	-.4	1.2
Finance	-25	-.8	-.8	1.3
Depository institutions	-2	-.1	-1.0	1.3
Commercial banks	-5	-.3	-.4	.7
Savings institutions ³	3	1.1	-4.2	6.4
Nondepository institutions	2	.4	.8	2.0
Mortgage bankers and brokers	0	0	.9	4.9
Security and commodity brokers	9	1.7	.1	1.3
Holding and other investment offices	-33	-15.9	-4.1	5.3
Insurance	-44	-2.0	.2	1.3
Insurance carriers	-40	-2.7	.2	1.5
Insurance agents, brokers, and service	-4	-.6	-.1	1.5
Real estate	-9	-.7	-.6	1.6
Services ⁴	32	.1	.1	.5
Agricultural services	10	1.8	2.3	2.5
Hotels and other lodging places	35	2.1	.7	1.5
Personal services	-1	-.1	.6	1.4
Business services	84	1.2	.4	1.8
Services to buildings	2	.2	1.2	1.6
Personnel supply services	1	(²)	1.3	3.6
Help supply services ³	-2	-.1	1.4	2.7
Computer and data processing services	30	2.5	-.8	2.9
Auto repair, services, and parking	1	.1	-1.0	1.4
Miscellaneous repair services	10	2.7	-.7	4.7
Motion pictures	-4	-.8	-.2	4.3
Amusement and recreation services	-59	-4.4	-.2	3.3
Health services	-84	-.9	-.8	.9
Offices and clinics of medical doctors	11	.7	-1.2	1.8
Nursing and personal care facilities	-5	-.3	-.7	.9
Hospitals	-38	-1.0	-.8	.8
Home health care services ³	8	1.2	1.0	2.6
Legal services	-3	-.3	-.4	1.2
Educational services	19	.9	1.1	2.8
Social services	10	.4	-.7	1.7
Child day care services	-4	-.7	-2.6	4.7
Residential care	8	1.2	0	1.6
Museums and botanical and zoological gardens	0	0	1.2	2.5
Membership organizations	45	2.1	2.6	3.3
Engineering and management services ³	-52	-1.8	.2	1.6
Engineering and architectural services	2	.2	-.5	1.4
Management and public relations ³	-38	-4.5	1.3	3.7
Services, nec	1	2.2	.6	.8
Government	-15	-.1	(²)	.2
Federal	0	0	0	0
Federal, except Postal Service	0	0	0	0
State	-23	-.5	.4	.5
Education	-39	-1.9	.5	1.0
Other State government	15	.6	.3	.5
Local	8	.1	-1	.3
Education	8	.1	-1	.4
Other local government	-1	(²)	.4	

¹ Data relate to the 1987-96 benchmarks, as originally published, unless otherwise noted.

² Less than 0.05 percent.

³ Data relate to 1989-96.

⁴ Includes other industries, not shown separately.

Table 2-E. Relative standard errors¹ for estimates of employment, hours, and earnings
(In percent)

Size of employment estimate	Employment	Average weekly hours	Average hourly earnings
50,000	1.4	1.9	3.2
100,000	1.1	1.5	2.6
200,000 .....	.8	1.2	2.2
500,000 .....	.6	.9	1.7
1,000,000 .....	.4	.7	1.3
2,000,000 .....	.3	.6	1.1

¹ Relative errors were estimated with sample data from March 1994-March 1995.

Table 2-F. Relative standard errors¹ for estimates of employment, hours, and earnings by industry
(In percent)

Industry	Employment	Average weekly hours	Average hourly earnings
Total private	0.1	0.1	0.2
Mining .....	.8	.6	1.1
Construction .....	.4	.1	.3
Manufacturing .....	.1	.1	.4
Durable goods .....	.1	.1	.5
Nondurable goods .....	.1	.1	.5
Transportation and public utilities .....	.3	.5	1.0
Wholesale trade .....	.2	.2	.4
Retail trade .....	.1	.1	.3
Finance, insurance, and real estate .....	.2	.2	.7
Services .....	.2	.2	.4

¹ Relative errors were estimated with sample data from March 1994-March 1995.

amount of employment is usually reclassified out of services to other major divisions, thus, lowering the benchmark level for services, and potentially causing a significant downward revision in the services employment totals previously published.

Revisions between preliminary and final data. First preliminary estimates of employment, hours, and earnings, based on less than the total sample, are published immediately following the reference month. Final revised sample-

based estimates are published 2 months later when nearly all the reports in the sample have been received. Table 2-G presents the root-mean-square error, the mean percent, and the mean absolute percent revision that may be expected between the preliminary and final employment estimates.

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, at the total private nonfarm level, and may be slightly larger for the more detailed industry groupings.

STATISTICS FOR STATES AND AREAS

(Tables B-7, B-14, and B-18)

As explained earlier, State agencies in cooperation with BLS collect and prepare State and area employment, hours, and earnings data. These statistics are based on the same establishment reports used by BLS, however, BLS uses the full CES sample to produce monthly national employment estimates, while each State agency uses its portion of the sample to independently develop a State employment estimate.

The CES area statistics relate to metropolitan areas. 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.

Caution in aggregating State data. The national estimation procedures used by BLS are designed to produce accurate national data by detailed industry; correspondingly the State estimation procedures are designed to produce accurate data for each individual State. State estimates are not forced to sum to national totals nor vice versa. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause distortions at an aggregate level. This has been a particular problem at turning points in the U.S. economy, when the majority of the individual State errors tend to be in the same direction. Due to these statistical limitations, the Bureau does not compile or publish a "sum-of-States" employment series. Additionally, BLS cautions users that such a series is subject to a relatively large and volatile error structure, particularly at turning points.

Table 2-G. Errors of preliminary employment estimates

Industry	Root-mean-square error of monthly level ¹	Mean percent revision	
		Actual	Absolute
Total	61,300	0	0
Total private	52,300	0	0
Goods-producing	14,200	0	0
Mining	2,300	-0.1	.3
Metal mining	300	0	.4
Coal mining	900	-.1	.6
Oil and gas extraction	2,200	-.1	.5
Nonmetallic minerals, except fuels	300	0	.3
Construction	9,000	.1	.1
General building contractors	4,400	.1	.3
Heavy construction, except building	3,700	.1	.4
Special trade contractors	5,700	.1	.1
Manufacturing	10,200	0	0
Durable goods	6,700	0	.1
Lumber and wood products	1,300	.1	.1
Furniture and fixtures	1,300	0	.2
Stone, clay, and glass products	1,100	0	.2
Primary metal industries	1,400	0	.1
Blast furnaces and basic steel products	1,300	0	.4
Fabricated metal products	1,800	0	.1
Industrial machinery and equipment	2,600	0	.1
Computer and office equipment	1,400	.1	.3
Electronic and other electrical equipment	2,400	.1	.1
Electronic components and accessories	1,300	.1	.2
Transportation equipment	4,300	0	.2
Motor vehicles and equipment	3,700	.1	.3
Aircraft and parts	1,800	-.1	.2
Instruments and related products	1,700	0	.1
Miscellaneous manufacturing	1,200	0	.2
Nondurable goods	5,500	0	.1
Food and kindred products	3,300	-.1	.2
Tobacco products	500	.3	.8
Textile mill products	1,100	0	.1
Apparel and other textile products	2,500	.1	.2
Paper and allied products	1,200	0	.1
Printing and publishing	1,700	.1	.1
Chemicals and allied products	1,800	-.1	.1
Petroleum and coal products	1,000	-.1	.5
Rubber and miscellaneous plastics products	1,600	0	.1
Leather and leather products	700	-.1	.4
Service-producing	57,600	0	0
Transportation and public utilities	9,200	-.1	.1
Transportation	8,100	-.1	.2
Railroad transportation	2,200	-.3	.7
Local and interurban passenger transit	3,500	-.2	.5
Trucking and warehousing	5,400	-.1	.2
Water transportation	1,500	-.3	.7
Transportation by air	2,500	-.1	.3
Pipelines, except natural gas	200	-.4	.8
Transportation services	1,200	-.1	.3
Communications and public utilities	4,600	0	.1
Communications	4,500	0	.2
Electric, gas, and sanitary services	1,600	0	.1
Wholesale trade	7,700	.1	.1
Durable goods	4,400	.1	.1
Nondurable goods	4,800	.1	.1

See footnotes at end of table.

Table 2-G. Errors of preliminary employment estimates—Continued

Industry	Root-mean-square error of monthly level ¹	Mean percent revision	
		Actual	Absolute
Retail trade	33,100	.1	.1
Building materials and garden supplies	2,800	0	.3
General merchandise stores	17,600	.2	.5
Department stores	16,200	.2	.5
Food stores	6,300	.1	.1
Automotive dealers and service stations	2,700	0	.1
New and used car dealers	1,200	-.1	.1
Apparel and accessory stores	5,800	.2	.4
Furniture and home furnishings stores	3,600	.1	.3
Eating and drinking places	12,400	.1	.1
Miscellaneous retail establishments	8,500	.2	.3
Finance, insurance, and real estate	6,100	0	.1
Finance	3,800	0	.1
Depository institutions	2,800	-.1	.1
Commercial banks	2,300	-.1	.1
Savings institutions	1,100	-.1	.3
Nondepository institutions	1,400	.1	.2
Mortgage bankers and brokers	1,000	0	.3
Security and commodity brokers	900	0	.1
Holding and other investment offices	1,600	-.1	.5
Insurance	2,800	0	.1
Insurance carriers	2,400	0	.1
Insurance agents, brokers, and service	1,000	0	.1
Real estate	2,700	0	.2
Services ²	29,100	0	.1
Agricultural services	3,200	.2	.4
Hotels and other lodging places	5,900	.2	.3
Personal services	8,100	-.1	.4
Business services	13,900	.1	.2
Services to buildings	2,800	0	.3
Personnel supply services	11,800	.2	.4
Help supply services	11,400	.2	.4
Computer and data processing services	2,400	0	.2
Auto repair, services, and parking	1,900	0	.1
Miscellaneous repair services	1,100	0	.2
Motion pictures	5,500	0	.8
Amusement and recreation services	9,700	.3	.6
Health services	5,300	0	0
Offices and clinics of medical doctors	2,700	0	.1
Nursing and personal care facilities	2,000	0	.1
Hospitals	2,800	0	.1
Home health care services	1,800	.1	.3
Legal services	1,100	0	.1
Educational services	13,200	0	.6
Social services	7,900	.1	.3
Child day care services	4,800	.3	.7
Residential care	1,300	0	.2
Museums and botanical and zoological gardens	700	.2	.7
Membership organizations	3,800	0	.2
Engineering and management services	4,900	0	.2
Engineering and architectural services	2,400	0	.3
Management and public relations	3,100	.1	.3
Services, nec	400	.1	.8
Government	23,900	0	.1
Federal	10,400	0	.3
Federal, except Postal Service	8,900	0	.3
State	11,600	0	.2
Education	10,900	0	.5
Other State government	4,700	0	.1
Local	18,800	0	.1
Education	16,000	.1	.2
Other local government	12,100	0	.2

¹ The root-mean-square error is the square root of the mean squared error. The mean squared error is the square of the difference between the final and preliminary estimates averaged across a series of monthly observations.

² Includes other industries, not shown separately.

NOTE: Errors are based on differences from January 1992 through December 1996.

Region, State, and Area Labor Force Data ("C" tables)

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 derive 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 Partnership Act.

Annual average data for the States and over 270 areas shown in table C-3 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 6,500 areas, including nearly 2,400 LMA's, counties, and cities with a population of 25,000 or more. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. At the sub-LMA (county and city) level, estimates are prepared using disaggregation techniques based on decennial and annual population estimates and current unemployment insurance data. 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. Effective January 1996, civilian labor force and unemployment estimates for all States and the District of Columbia are produced using models based on a "signal-plus-noise" approach. The model of the signal is a time series model of the true labor force which consists of three components: A variable coefficient

regression, a flexible trend, and a flexible seasonal component. 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 Current Population Survey (CPS), the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. The noise component of the models explicitly accounts for auto correlation in the CPS sampling error and changes in the average magnitude of the error. In addition, the models can identify and remove the effects of outliers in the historical CPS series. While all the State models have important components in common, they differ somewhat from one another to better reflect individual State characteristics.

Two models—one for the employment-to-population ratio and one for the unemployment rate—are used for each State. The employment-to-population ratio, rather than the employment level, and the unemployment rate, rather than the unemployment level, are estimated primarily because these ratios are usually more meaningful for economic analysis.

The employment-to-population ratio models use the relationship between the State's monthly employment from the CES and the CPS. The models also include trend and seasonal components to account for movements in the CPS not captured by the CES series. The seasonal component accounts for the seasonality in the CPS not explained by the CES, while the trend component adjusts for long-run systematic differences between the two series.

The unemployment rate models use the relationship between the State's monthly unemployment insurance (UI) claims data and the CPS unemployment rate, along with trend and seasonal components.

In both the employment-to-population ratio 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 regression portion of the model includes 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, levels are calculated for employment, unemployment, and labor force.

Benchmark correction procedures. Once each year, monthly estimates for all 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 aver-

age, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

Estimates for sub-State areas

Monthly labor force, employment, and unemployment estimates for two large sub-State areas—New York City and the Los Angeles-Long Beach metropolitan area—are obtained using the same modeling approach as for states. Estimates for the nearly 2,400 remaining LMA's, are prepared through indirect estimation techniques, described below.

Preliminary estimate—employment. The total civilian employment estimates are based largely 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 on the basis of employment relationships at the time of the 1990 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—agricultural employees, 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 two categories: (1) Persons who were previously employed in industries covered by State UI laws; and (2) 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 all LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment is applied to all sub-State preliminary LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment. For California and New York, the proportional adjustment is applied to all LMA's other than the two modeled areas, to ensure that the LMA estimates sum to an independent model-based estimate for the balance of State.

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 UI claims counts, and updated historical relationships. The updated estimates are then re-adjusted 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 non-seasonal 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, because 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*.

Household data

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.

BLS uses 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.

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, usually 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. In 1994, data were revised only for that year because of the major redesign and

1990 census-based population controls, adjusted for the estimated undercount, introduced into the Current Population Survey. In 1996, 1990-93 data also were revised to incorporate these 1990 census-based population controls and seasonally adjusted series were revised back to 1990. Subsequent revisions are only carried back to 1994.

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 and four seasonally adjusted unemployment components. The total for unemployment is the sum of the four unemployment components, and the 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.

In each January issue (March issue in 1996), *Employment and Earnings* publishes 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 estimate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure.

Establishment data

In June 1997, with the release of the March 1996 benchmark revisions, BLS utilizes an updated version of the X-12 ARIMA software developed by the Bureau of the Census to seasonally adjust national establishment-based employment, hours, and earnings series. The X-12 ARIMA (first introduced in June 1996) replaces the X-11 ARIMA, which had been used to adjust these series since the early 1980's. All national establishment-based series were revised back to 1988.

The conversion to X-12 ARIMA allows BLS to refine its seasonal adjustment procedures to control for survey interval variations, sometime referred to as the 4-vs. 5-week effect. While the CES survey is referenced to a consistent concept, the pay period including the 12th day of the month, inconsistencies arise because there are variations of 4 or 5 weeks between the week of the 12th in any given pair of months. In highly seasonal months and industries, this varia-

tion can be an important determinant of the magnitude of seasonal hires or layoffs that have occurred at the time the survey is taken, thereby complicating seasonal adjustment. The interval effect adjustment is accomplished through the REGARIMA (regression with auto-correlated errors) option in the X-12 software. This process combines standard regression analysis, which measures correlations between two or more variables, with ARIMA modeling, which describes and predicts the behavior of a data series based on its own past history. In this application, the correlations of interest are those between employment levels in individual calendar months and the length of the survey intervals for those months. The REGARIMA models estimate and remove the variation in employment levels attributable to 11 separate survey intervals, one specified for each month, except March. March is excluded because there are always 4 weeks between the February and March surveys.

Projected seasonal factors for the establishment-based series are calculated and published twice a year, paralleling the procedure used for the household series. Revisions to historical data are made once a year, coincident with benchmark revisions. All series are seasonally adjusted using multiplicative models in X-12; additive models are not considered. Seasonal adjustment factors are computed and applied at component levels. For employment series, these are generally the 2-digit SIC levels. Seasonally adjusted totals are arithmetic aggregations for employment series and weighted averages of the seasonally adjusted data for hours and earnings series.

Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1982 annual average base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1982 annual average base.

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

Seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census workers for the

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

BLS also makes special adjustments for floating holidays for the establishment-based series on average weekly hours and manufacturing overtime hours. From 1988 forward, these adjustments are now accomplished as part of the X-12 ARIMA/REGARIMA modeling process rather than through the previously used moving-holiday extension of X-11 ARIMA. The special adjustment made in November each year to adjust for the effect of poll workers in the local government employment series also is incorporated into the X-12 process from 1988 forward; this replaces the X-11 ARIMA-based procedure previously used to account for this effect.

Revised seasonally adjusted national establishment-based series based on the experience through March 1997, new seasonal adjustment factors for March-October 1997, and a description of the current seasonal adjustment procedure appear in the June 1997 issue of *Employment and Earnings*. Revised factors for the September 1997-April 1998 period will appear in the December issue.

Beginning in 1993, BLS introduced publication of seasonally adjusted nonfarm payroll employment data by major industry for all States and the District of Columbia (table B-7). Seasonal adjustment factors are applied directly to the employment estimates at the division level (component series for manufacturing and trade) and then aggregated to the State totals. The recomputation of seasonal factors and historical revisions are made coincident with the annual benchmark adjustments. State estimation procedures are designed to produce accurate (unadjusted and seasonally adjusted) data for each individual State. BLS independently develops a national employment series; State estimates are not forced to sum to national totals. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause significant distortions at an aggregate level. Due to these statistical limitations, BLS does not compile a "sum-of-States" employment series, and cautions users that such a series is subject to a relatively large and volatile error structure.

Region and State labor force data

Beginning in 1992, BLS introduced publication of seasonally adjusted labor force data for the census regions and divisions, the 50 States, and the District of Columbia (tables C-1 and C-2). Using the X-11 ARIMA procedure, seasonal adjustment factors are computed and applied independently to the component employment and unemployment levels and then aggregated to regional or State totals. Current seasonal adjustment factors are produced for 6-month periods twice a year. Historical revisions usually are made at the beginning of each calendar year. Because of the separate processing procedures, totals for the Nation, as a whole, differ from the results obtained by aggregating regional or State data.

INDEX TO STATISTICAL TABLES

TABLE KEY: A: Monthly household data; B: Monthly national and State and area establishment data; C: Monthly regional, State, and area labor force data; D: Quarterly, household data only, in the January, April, July, and October issues. Annual averages: Household data in the January issue; national establishment data in the January, March, and June issues; State and area establishment and labor force data in the May issue. For additional information see the listing on the inside front cover of this publication.

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