

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**1. Employment status of the civilian noninstitutional population, 1935 to date**

(Numbers in thousands)

Year	Civilian noninstitutional population	Civilian labor force							Not in labor force
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Persons 14 years of age and over									
1935	(1)	52,870	(1)	42,260	10,110	32,150	10,610	20.1	(1)
1936	(1)	53,440	(1)	44,410	10,000	34,410	9,030	16.9	(1)
1937	(1)	54,000	(1)	46,300	9,820	36,480	7,700	14.3	(1)
1938	(1)	54,610	(1)	44,220	9,690	34,530	10,390	19.0	(1)
1939	(1)	55,230	(1)	45,750	9,610	36,140	9,480	17.2	(1)
1940	(1)	55,640	(1)	47,520	9,540	37,980	8,120	14.6	(1)
1941	(1)	55,910	(1)	50,350	9,100	41,250	5,560	9.9	(1)
1942	98,640	56,410	57.2	53,750	9,250	44,500	2,660	4.7	42,230
1943	94,640	55,540	58.7	54,470	9,080	45,390	1,070	1.9	39,100
1944	93,220	54,630	58.6	53,960	8,950	45,010	670	1.2	38,590
1945	94,090	53,860	57.2	52,820	8,580	44,240	1,040	1.9	40,230
1946	103,070	57,520	55.8	55,250	8,320	46,930	2,270	3.9	45,550
1947	106,018	60,168	56.8	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over									
1947	101,827	59,350	58.3	57,038	7,890	49,148	2,311	3.9	42,477
1948	103,068	60,621	58.8	58,343	7,629	50,714	2,276	3.8	42,447
1949	103,994	61,286	58.9	57,651	7,658	49,993	3,637	5.9	42,708
1950	104,995	62,208	59.2	58,918	7,160	51,758	3,288	5.3	42,787
1951	104,621	62,017	59.2	59,961	6,726	53,235	2,055	3.3	42,604
1952	105,231	62,138	59.0	60,250	6,500	53,749	1,883	3.0	43,093
1953 <sup>2</sup>	107,056	63,015	58.9	61,179	6,260	54,919	1,834	2.9	44,041
1954	108,321	63,643	58.8	60,109	6,205	53,904	3,532	5.5	44,678
1955	109,683	65,023	59.3	62,170	6,450	55,722	2,852	4.4	44,660
1956	110,954	66,552	60.0	63,799	6,283	57,514	2,750	4.1	44,402
1957	112,265	66,929	59.6	64,071	5,947	58,123	2,859	4.3	45,336
1958	113,727	67,639	59.5	63,036	5,586	57,450	4,602	6.8	46,088
1959	115,329	68,369	59.3	64,630	5,565	59,065	3,740	5.5	46,960
1960 <sup>2</sup>	117,245	69,628	59.4	65,778	5,458	60,318	3,852	5.5	47,617
1961	118,771	70,459	59.3	65,746	5,200	60,546	4,714	6.7	48,312
1962 <sup>2</sup>	120,153	70,614	58.8	66,702	4,944	61,759	3,911	5.5	49,539
1963	122,416	71,833	58.7	67,762	4,687	63,076	4,070	5.7	50,583
1964	124,485	73,091	58.7	69,305	4,523	64,782	3,786	5.2	51,394
1965	126,513	74,455	58.9	71,088	4,361	66,726	3,366	4.5	52,058
1966	128,058	75,770	59.2	72,895	3,979	68,915	2,875	3.8	52,288
1967	129,874	77,347	59.6	74,372	3,844	70,527	2,975	3.8	52,527
1968	132,028	78,737	59.6	75,920	3,817	72,103	2,817	3.6	53,291
1969	134,335	80,734	60.1	77,902	3,606	74,296	2,832	3.5	53,602
1970	137,085	82,771	60.4	78,678	3,463	75,215	4,093	4.9	54,315
1971	140,216	84,382	60.2	79,367	3,394	75,972	5,016	5.9	55,834
1972 <sup>2</sup>	144,126	87,034	60.4	82,153	3,484	78,669	4,882	5.6	57,091
1973 <sup>2</sup>	147,096	89,429	60.8	85,064	3,470	81,594	4,365	4.9	57,667
1974	150,120	91,949	61.3	86,794	3,515	83,279	5,156	5.6	58,171
1975	153,153	93,775	61.2	85,846	3,408	82,438	7,929	8.5	59,377
1976	156,150	96,158	61.6	88,752	3,331	85,421	7,406	7.7	59,991
1977	159,033	99,009	62.3	92,017	3,283	88,734	6,991	7.1	60,025
1978 <sup>2</sup>	161,910	102,251	63.2	96,048	3,387	92,661	6,202	6.1	59,659
1979	164,863	104,962	63.7	98,824	3,347	95,477	6,137	5.8	59,900
1980	167,745	106,940	63.8	99,303	3,364	95,938	7,637	7.1	60,806
1981	170,130	108,670	63.9	100,397	3,368	97,030	8,273	7.6	61,460
1982	172,271	110,204	64.0	99,526	3,401	96,125	10,678	9.7	62,067
1983	174,215	111,550	64.0	100,834	3,383	97,450	10,717	9.6	62,665
1984	176,383	113,544	64.4	105,005	3,321	101,685	8,539	7.5	62,839
1985	178,206	115,461	64.8	107,150	3,179	103,971	8,312	7.2	62,744
1986 <sup>2</sup>	180,587	117,834	65.3	109,597	3,163	106,434	8,237	7.0	62,752
1987	182,753	119,865	65.6	112,440	3,208	109,232	7,425	6.2	62,888
1988	184,613	121,669	65.9	114,968	3,169	111,800	6,701	5.5	62,944
1989	186,393	123,869	66.5	117,342	3,199	114,142	6,528	5.3	62,523
1990 <sup>2</sup>	189,164	125,840	66.5	118,793	3,223	115,570	7,047	5.6	63,324
1991	190,925	126,346	66.2	117,718	3,269	114,449	8,628	6.8	64,578
1992	192,805	128,105	66.4	118,492	3,247	115,245	9,613	7.5	64,700
1993	194,838	129,200	66.3	120,259	3,115	117,144	8,940	6.9	65,638
1994 <sup>2</sup>	196,814	131,056	66.6	123,060	3,409	119,651	7,996	6.1	65,758
1995	198,584	132,304	66.6	124,900	3,440	121,460	7,404	5.6	66,280
1996	200,591	133,943	66.8	126,708	3,443	123,264	7,236	5.4	66,647
1997 <sup>2</sup>	203,133	136,297	67.1	129,558	3,399	126,159	6,739	4.9	66,837
1998 <sup>3</sup>	205,220	137,673	67.1	131,463	3,378	128,085	6,210	4.5	67,547

<sup>1</sup> Not available.

<sup>2</sup> Not strictly comparable with data for prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes and Estimates of Error.

<sup>3</sup> Beginning in January 1998, data are not strictly comparable with data for 1997 and

earlier years because of the introduction of new composite estimation procedures and revised population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1998" in the February 1998 issue of this publication.

2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1966 to date

(Numbers in thousands)

Year	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	
Men										
1966	60,262	48,471	80.4	46,919	77.9	3,243	43,675	1,551	3.2	11,792
1967	60,905	48,987	80.4	47,479	78.0	3,164	44,315	1,508	3.1	11,919
1968	61,847	49,533	80.1	48,114	77.8	3,157	44,957	1,419	2.9	12,315
1969	62,898	50,221	79.8	48,818	77.6	2,963	45,855	1,403	2.8	12,677
1970	64,304	51,228	79.7	48,990	76.2	2,862	46,128	2,238	4.4	13,076
1971	65,942	52,180	79.1	49,390	74.9	2,795	46,595	2,789	5.3	13,762
1972 <sup>1</sup>	67,835	53,555	78.9	50,896	75.0	2,849	48,047	2,659	5.0	14,280
1973 <sup>1</sup>	69,292	54,624	78.8	52,349	75.5	2,847	49,502	2,275	4.2	14,667
1974	70,808	55,739	78.7	53,024	74.9	2,919	50,105	2,714	4.9	15,069
1975	72,291	56,299	77.9	51,857	71.7	2,824	49,032	4,442	7.9	15,993
1976	73,759	57,174	77.5	53,138	72.0	2,744	50,394	4,036	7.1	16,585
1977	75,193	58,396	77.7	54,728	72.8	2,671	52,057	3,667	6.3	16,797
1978 <sup>1</sup>	76,576	59,620	77.9	56,479	73.8	2,718	53,761	3,142	5.3	16,956
1979	78,020	60,726	77.8	57,607	73.8	2,686	54,921	3,120	5.1	17,293
1980	79,398	61,453	77.4	57,186	72.0	2,709	54,477	4,267	6.9	17,945
1981	80,511	61,974	77.0	57,397	71.3	2,700	54,697	4,577	7.4	18,537
1982	81,523	62,450	76.6	56,271	69.0	2,736	53,534	6,179	9.9	19,073
1983	82,531	63,047	76.4	56,787	68.8	2,704	54,083	6,260	9.9	19,484
1984	83,605	63,835	76.4	59,091	70.7	2,668	56,423	4,744	7.4	19,771
1985	84,469	64,411	76.3	59,891	70.9	2,535	57,356	4,521	7.0	20,058
1986 <sup>1</sup>	85,798	65,422	76.3	60,892	71.0	2,511	58,381	4,530	6.9	20,376
1987	86,899	66,207	76.2	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 <sup>1</sup>	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 <sup>1</sup>	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	65,634	3,880	5.4	24,119
1997 <sup>1</sup>	97,715	73,261	75.0	69,685	71.3	2,552	67,133	3,577	4.9	24,454
1998 <sup>2</sup>	98,758	73,959	74.9	70,693	71.6	2,553	68,140	3,266	4.4	24,799
Women										
1966	67,795	27,299	40.3	25,976	38.3	736	25,240	1,324	4.8	40,496
1967	68,968	28,360	41.1	26,893	39.0	680	26,212	1,468	5.2	40,608
1968	70,179	29,204	41.6	27,807	39.6	660	27,147	1,397	4.8	40,976
1969	71,436	30,513	42.7	29,084	40.7	643	28,441	1,429	4.7	40,924
1970	72,782	31,543	43.3	29,688	40.8	601	29,087	1,855	5.9	41,239
1971	74,274	32,202	43.4	29,976	40.4	599	29,377	2,227	6.9	42,072
1972 <sup>1</sup>	76,290	33,479	43.9	31,257	41.0	635	30,622	2,222	6.6	42,811
1973 <sup>1</sup>	77,804	34,804	44.7	32,715	42.0	622	32,093	2,089	6.0	43,000
1974	79,312	36,211	45.7	33,769	42.6	596	33,173	2,441	6.7	43,101
1975	80,860	37,475	46.3	33,989	42.0	584	33,404	3,486	9.3	43,386
1976	82,390	38,983	47.3	35,615	43.2	588	35,027	3,369	8.6	43,406
1977	83,840	40,613	48.4	37,289	44.5	612	36,677	3,324	8.2	43,227
1978 <sup>1</sup>	85,334	42,631	50.0	39,569	46.4	669	38,900	3,061	7.2	42,703
1979	86,843	44,235	50.9	41,217	47.5	661	40,556	3,018	6.8	42,608
1980	88,348	45,487	51.5	42,117	47.7	656	41,461	3,370	7.4	42,861
1981	89,618	46,696	52.1	43,000	48.0	667	42,333	3,696	7.9	42,922
1982	90,748	47,755	52.6	43,256	47.7	665	42,591	4,499	9.4	42,993
1983	91,684	48,503	52.9	44,047	48.0	680	43,367	4,457	9.2	43,181
1984	92,778	49,709	53.6	45,915	49.5	653	45,262	3,794	7.6	43,068
1985	93,736	51,050	54.5	47,259	50.4	644	46,615	3,791	7.4	42,686
1986 <sup>1</sup>	94,789	52,413	55.3	48,706	51.4	652	48,054	3,707	7.1	42,376
1987	95,853	53,658	56.0	50,334	52.5	666	49,668	3,324	6.2	42,195
1988	96,756	54,742	56.6	51,696	53.4	676	51,020	3,046	5.6	42,014
1989	97,630	56,030	57.4	53,027	54.3	687	52,341	3,003	5.4	41,601
1990 <sup>1</sup>	98,787	56,829	57.5	53,689	54.3	678	53,011	3,140	5.5	41,957
1991	99,646	57,178	57.4	53,496	53.7	680	52,815	3,683	6.4	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 <sup>1</sup>	102,460	60,239	58.8	56,610	55.3	855	55,755	3,629	6.0	42,221
1995	103,406	60,944	58.9	57,523	55.6	881	56,642	3,421	5.6	42,462
1996	104,385	61,857	59.3	58,501	56.0	871	57,630	3,356	5.4	42,528
1997 <sup>1</sup>	105,418	63,036	59.8	59,873	56.8	847	59,026	3,162	5.0	42,382
1998 <sup>2</sup>	106,462	63,714	59.8	60,771	57.1	825	59,945	2,944	4.6	42,748

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

<sup>2</sup> Beginning in January 1998, data are not strictly comparable with data for 1997 and

earlier years because of the introduction of new composite estimation procedures and revised population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1998" in the February 1998 issue of this publication.

3. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	1998									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>										
16 years and over .....	205,220	137,673	67.1	131,463	64.1	3,378	128,085	6,210	4.5	67,547
16 to 19 years .....	15,644	8,256	52.8	7,051	45.1	261	6,790	1,205	14.6	7,388
16 to 17 years .....	7,895	3,335	42.2	2,762	35.0	131	2,631	573	17.2	4,560
18 to 19 years .....	7,749	4,921	63.5	4,289	55.3	130	4,159	632	12.8	2,828
20 to 24 years .....	17,593	13,638	77.5	12,557	71.4	339	12,218	1,081	7.9	3,955
25 to 54 years .....	117,450	98,718	84.1	95,258	81.1	2,105	93,153	3,459	3.5	18,732
25 to 34 years .....	38,778	32,813	84.6	31,394	81.0	718	30,676	1,419	4.3	5,964
25 to 29 years .....	18,622	15,808	84.9	15,061	80.9	350	14,711	747	4.7	2,815
30 to 34 years .....	20,156	17,006	84.4	16,333	81.0	368	15,965	672	4.0	3,150
35 to 44 years .....	44,299	37,536	84.7	36,278	81.9	791	35,486	1,258	3.4	6,763
35 to 39 years .....	22,449	18,899	84.2	18,232	81.2	433	17,800	666	3.5	3,550
40 to 44 years .....	21,850	18,637	85.3	18,045	82.6	358	17,687	592	3.2	3,213
45 to 54 years .....	34,373	28,368	82.5	27,587	80.3	596	26,991	782	2.8	6,005
45 to 49 years .....	18,804	15,923	84.7	15,477	82.3	345	15,132	446	2.8	2,881
50 to 54 years .....	15,569	12,445	79.9	12,109	77.8	251	11,858	336	2.7	3,124
55 to 64 years .....	22,296	13,215	59.3	12,872	57.7	396	12,477	343	2.6	9,081
55 to 59 years .....	12,219	8,494	69.5	8,279	67.8	217	8,062	216	2.5	3,725
60 to 64 years .....	10,077	4,721	46.8	4,594	45.6	179	4,415	127	2.7	5,356
65 years and over .....	32,237	3,847	11.9	3,725	11.6	277	3,448	122	3.2	28,391
65 to 69 years .....	9,387	2,111	22.5	2,042	21.8	121	1,921	69	3.3	7,276
70 to 74 years .....	8,560	1,068	12.5	1,036	12.1	84	953	31	2.9	7,492
75 years and over .....	14,290	668	4.7	647	4.5	73	574	21	3.2	13,622
<b>Men</b>										
16 years and over .....	98,758	73,959	74.9	70,693	71.6	2,553	68,140	3,266	4.4	24,799
16 to 19 years .....	7,968	4,244	53.3	3,558	44.7	204	3,355	686	16.2	3,724
16 to 17 years .....	4,059	1,728	42.6	1,398	34.4	103	1,294	330	19.1	2,331
18 to 19 years .....	3,909	2,516	64.4	2,161	55.3	100	2,060	355	14.1	1,393
20 to 24 years .....	8,804	7,221	82.0	6,638	75.4	276	6,362	583	8.1	1,583
25 to 54 years .....	57,724	53,002	91.8	51,274	88.8	1,569	49,705	1,728	3.3	4,722
25 to 34 years .....	19,094	17,796	93.2	17,097	89.5	549	16,548	699	3.9	1,298
25 to 29 years .....	9,139	8,477	92.8	8,102	88.6	267	7,835	375	4.4	662
30 to 34 years .....	9,955	9,319	93.6	8,995	90.4	282	8,713	324	3.5	636
35 to 44 years .....	21,857	20,242	92.6	19,634	89.8	600	19,034	609	3.0	1,614
35 to 39 years .....	11,083	10,310	93.0	9,995	90.2	335	9,660	314	3.1	773
40 to 44 years .....	10,774	9,933	92.2	9,638	89.5	265	9,374	294	3.0	841
45 to 54 years .....	16,773	14,963	89.2	14,544	86.7	420	14,124	420	2.8	1,810
45 to 49 years .....	9,212	8,364	90.8	8,132	88.3	247	7,885	232	2.8	848
50 to 54 years .....	7,561	6,599	87.3	6,412	84.8	173	6,239	187	2.8	962
55 to 64 years .....	10,649	7,253	68.1	7,052	66.2	283	6,769	201	2.8	3,396
55 to 59 years .....	5,879	4,609	78.4	4,484	76.3	152	4,332	125	2.7	1,270
60 to 64 years .....	4,771	2,644	55.4	2,568	53.8	131	2,437	76	2.9	2,127
65 years and over .....	13,613	2,240	16.5	2,171	15.9	222	1,949	69	3.1	11,373
65 to 69 years .....	4,304	1,204	28.0	1,165	27.1	98	1,068	39	3.2	3,100
70 to 74 years .....	3,770	623	16.5	606	16.1	66	540	17	2.7	3,148
75 years and over .....	5,539	413	7.5	400	7.2	59	341	13	3.2	5,126
<b>Women</b>										
16 years and over .....	106,462	63,714	59.8	60,771	57.1	825	59,945	2,944	4.6	42,748
16 to 19 years .....	7,676	4,012	52.3	3,493	45.5	57	3,435	519	12.9	3,664
16 to 17 years .....	3,835	1,607	41.9	1,364	35.6	27	1,337	242	15.1	2,229
18 to 19 years .....	3,840	2,405	62.6	2,128	55.4	30	2,098	277	11.5	1,435
20 to 24 years .....	8,790	6,418	73.0	5,919	67.3	64	5,856	498	7.8	2,372
25 to 54 years .....	59,725	45,716	76.5	43,984	73.6	537	43,448	1,732	3.8	14,010
25 to 34 years .....	19,683	15,017	76.3	14,298	72.6	169	14,128	720	4.8	4,666
25 to 29 years .....	9,483	7,330	77.3	6,959	73.4	83	6,876	371	5.1	2,153
30 to 34 years .....	10,200	7,687	75.4	7,339	71.9	86	7,252	348	4.5	2,513
35 to 44 years .....	22,442	17,294	77.1	16,644	74.2	191	16,453	650	3.8	5,149
35 to 39 years .....	11,366	8,589	75.6	8,237	72.5	98	8,140	352	4.1	2,776
40 to 44 years .....	11,077	8,704	78.6	8,407	75.9	94	8,313	298	3.4	2,372
45 to 54 years .....	17,600	13,405	76.2	13,043	74.1	176	12,867	362	2.7	4,195
45 to 49 years .....	9,592	7,559	78.8	7,345	76.6	97	7,248	214	2.8	2,033
50 to 54 years .....	8,008	5,846	73.0	5,697	71.1	78	5,619	148	2.5	2,162
55 to 64 years .....	11,646	5,962	51.2	5,820	50.0	113	5,708	141	2.4	5,685
55 to 59 years .....	6,340	3,885	61.3	3,795	59.9	65	3,730	90	2.3	2,455
60 to 64 years .....	5,306	2,077	39.1	2,025	38.2	48	1,977	51	2.5	3,230
65 years and over .....	18,625	1,607	8.6	1,554	8.3	55	1,499	53	3.3	17,018
65 to 69 years .....	5,084	907	17.8	877	17.2	23	853	31	3.4	4,176
70 to 74 years .....	4,790	445	9.3	430	9.0	18	413	15	3.3	4,344
75 years and over .....	8,752	255	2.9	247	2.8	14	233	8	3.1	8,497

See footnotes at end of table.

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

(Numbers in thousands)

Age, sex, and race	1998									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>WHITE</b>										
16 years and over .....	171,478	115,415	67.3	110,931	64.7	3,160	107,770	4,484	3.9	56,064
16 to 19 years .....	12,439	6,965	56.0	6,089	48.9	250	5,839	876	12.6	5,475
16 to 17 years .....	6,264	2,860	45.7	2,436	38.9	125	2,311	424	14.8	3,404
18 to 19 years .....	6,176	4,105	66.5	3,653	59.2	125	3,529	451	11.0	2,071
20 to 24 years .....	14,138	11,244	79.5	10,512	74.4	319	10,193	731	6.5	2,895
25 to 54 years .....	97,028	82,210	84.7	79,710	82.2	1,953	77,757	2,500	3.0	14,818
25 to 34 years .....	31,286	26,707	85.4	25,729	82.2	674	25,055	978	3.7	4,578
25 to 29 years .....	14,998	12,894	86.0	12,369	82.5	328	12,041	525	4.1	2,104
30 to 34 years .....	16,288	13,813	84.8	13,360	82.0	346	13,014	453	3.3	2,475
35 to 44 years .....	36,610	31,221	85.3	30,320	82.8	730	29,590	901	2.9	5,389
35 to 39 years .....	18,517	15,690	84.7	15,221	82.2	394	14,827	469	3.0	2,828
40 to 44 years .....	18,093	15,532	85.8	15,099	83.5	336	14,763	433	2.8	2,561
45 to 54 years .....	29,132	24,282	83.4	23,662	81.2	549	23,113	620	2.6	4,850
45 to 49 years .....	15,794	13,489	85.4	13,146	83.2	319	12,827	343	2.5	2,305
50 to 54 years .....	13,338	10,793	80.9	10,516	78.8	230	10,286	277	2.6	2,545
55 to 64 years .....	19,231	11,548	60.1	11,272	58.6	370	10,902	276	2.4	7,682
55 to 59 years .....	10,532	7,428	70.5	7,258	68.9	201	7,057	170	2.3	3,103
60 to 64 years .....	8,699	4,120	47.4	4,014	46.1	169	3,845	106	2.6	4,579
65 years and over .....	28,642	3,448	12.0	3,347	11.7	269	3,079	101	2.9	25,194
65 to 69 years .....	8,162	1,879	23.0	1,822	22.3	117	1,705	57	3.0	6,282
70 to 74 years .....	7,599	971	12.8	945	12.4	81	864	26	2.6	6,628
75 years and over .....	12,882	598	4.6	580	4.5	70	510	18	3.0	12,284
<b>Men</b>										
16 years and over .....	83,352	63,034	75.6	60,604	72.7	2,376	58,228	2,431	3.9	20,317
16 to 19 years .....	6,386	3,614	56.6	3,103	48.6	194	2,909	510	14.1	2,773
16 to 17 years .....	3,233	1,487	46.0	1,233	38.1	99	1,134	254	17.1	1,747
18 to 19 years .....	3,153	2,127	67.5	1,870	59.3	95	1,775	257	12.1	1,026
20 to 24 years .....	7,170	6,063	84.6	5,659	78.9	259	5,400	405	6.7	1,106
25 to 54 years .....	48,354	44,930	92.9	43,635	90.2	1,444	42,191	1,295	2.9	3,424
25 to 34 years .....	15,644	14,770	94.4	14,259	91.1	514	13,745	512	3.5	874
25 to 29 years .....	7,495	7,059	94.2	6,781	90.5	251	6,531	278	3.9	436
30 to 34 years .....	8,149	7,711	94.6	7,477	91.8	263	7,214	234	3.0	438
35 to 44 years .....	18,310	17,157	93.7	16,715	91.3	550	16,166	441	2.6	1,153
35 to 39 years .....	9,269	8,719	94.1	8,492	91.6	303	8,189	227	2.6	550
40 to 44 years .....	9,041	8,438	93.3	8,223	91.0	247	7,976	215	2.5	603
45 to 54 years .....	14,400	13,003	90.3	12,661	87.9	381	12,281	342	2.6	1,397
45 to 49 years .....	7,840	7,198	91.8	7,013	89.5	227	6,786	185	2.6	642
50 to 54 years .....	6,561	5,805	88.5	5,649	86.1	154	5,495	157	2.7	756
55 to 64 years .....	9,286	6,415	69.1	6,251	67.3	263	5,988	164	2.6	2,872
55 to 59 years .....	5,120	4,078	79.7	3,976	77.7	140	3,837	102	2.5	1,042
60 to 64 years .....	4,167	2,337	56.1	2,275	54.6	124	2,151	62	2.7	1,830
65 years and over .....	12,155	2,013	16.6	1,955	16.1	216	1,740	58	2.9	10,143
65 to 69 years .....	3,785	1,072	28.3	1,039	27.4	94	945	33	3.1	2,714
70 to 74 years .....	3,374	568	16.8	554	16.4	64	490	14	2.5	2,806
75 years and over .....	4,996	373	7.5	362	7.2	57	305	11	2.9	4,624
<b>Women</b>										
16 years and over .....	88,126	52,380	59.4	50,327	57.1	784	49,543	2,053	3.9	35,746
16 to 19 years .....	6,053	3,351	55.4	2,986	49.3	55	2,930	365	10.9	2,702
16 to 17 years .....	3,031	1,373	45.3	1,203	39.7	26	1,177	171	12.4	1,657
18 to 19 years .....	3,023	1,977	65.4	1,783	59.0	30	1,753	195	9.8	1,045
20 to 24 years .....	6,969	5,180	74.3	4,853	69.6	60	4,793	327	6.3	1,789
25 to 54 years .....	48,674	37,281	76.6	36,075	74.1	509	35,566	1,205	3.2	11,393
25 to 34 years .....	15,642	11,937	76.3	11,470	73.3	160	11,310	467	3.9	3,705
25 to 29 years .....	7,503	5,835	77.8	5,588	74.5	78	5,510	247	4.2	1,668
30 to 34 years .....	8,139	6,102	75.0	5,883	72.3	83	5,800	220	3.6	2,036
35 to 44 years .....	18,300	14,064	76.9	13,604	74.3	180	13,424	460	3.3	4,236
35 to 39 years .....	9,248	6,970	75.4	6,728	72.8	91	6,638	242	3.5	2,278
40 to 44 years .....	9,052	7,094	78.4	6,876	76.0	89	6,787	218	3.1	1,958
45 to 54 years .....	14,732	11,279	76.6	11,001	74.7	168	10,832	279	2.5	3,453
45 to 49 years .....	7,955	6,291	79.1	6,133	77.1	92	6,041	158	2.5	1,663
50 to 54 years .....	6,777	4,988	73.6	4,867	71.8	76	4,791	120	2.4	1,790
55 to 64 years .....	9,944	5,133	51.6	5,021	50.5	107	4,914	112	2.2	4,811
55 to 59 years .....	5,412	3,350	61.9	3,282	60.6	62	3,220	69	2.1	2,062
60 to 64 years .....	4,532	1,783	39.3	1,739	38.4	46	1,694	44	2.4	2,749
65 years and over .....	16,486	1,435	8.7	1,392	8.4	53	1,339	43	3.0	15,051
65 to 69 years .....	4,377	808	18.5	783	17.9	23	761	24	3.0	3,569
70 to 74 years .....	4,225	403	9.5	391	9.3	17	374	12	2.9	3,822
75 years and over .....	7,885	225	2.9	218	2.8	13	205	7	3.1	7,660

See footnotes at end of table.

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

(Numbers in thousands)

Age, sex, and race	1998									
	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	
<b>BLACK</b>										
16 years and over .....	24,373	15,982	65.6	14,556	59.7	138	14,417	1,426	8.9	8,391
16 to 19 years .....	2,443	1,017	41.6	736	30.1	8	728	281	27.6	1,427
16 to 17 years .....	1,241	370	29.8	246	19.8	4	241	124	33.6	871
18 to 19 years .....	1,202	646	53.8	490	40.8	3	487	156	24.2	556
20 to 24 years .....	2,546	1,797	70.6	1,496	58.8	14	1,482	301	16.8	749
25 to 54 years .....	14,466	11,727	81.1	10,943	75.6	100	10,843	784	6.7	2,739
25 to 34 years .....	5,221	4,332	83.0	3,967	76.0	30	3,936	366	8.4	889
25 to 29 years .....	2,547	2,081	81.7	1,896	74.4	12	1,884	185	8.9	466
30 to 34 years .....	2,673	2,251	84.2	2,070	77.4	18	2,053	181	8.0	422
35 to 44 years .....	5,510	4,531	82.2	4,238	76.9	41	4,196	294	6.5	979
35 to 39 years .....	2,840	2,328	82.0	2,161	76.1	28	2,132	167	7.2	512
40 to 44 years .....	2,670	2,204	82.5	2,077	77.8	13	2,064	126	5.7	467
45 to 54 years .....	3,735	2,863	76.7	2,739	73.3	28	2,711	125	4.3	872
45 to 49 years .....	2,180	1,741	79.8	1,657	76.0	15	1,642	84	4.8	440
50 to 54 years .....	1,555	1,123	72.2	1,082	69.6	13	1,069	41	3.6	432
55 to 64 years .....	2,224	1,163	52.3	1,118	50.3	13	1,105	45	3.9	1,060
55 to 59 years .....	1,222	749	61.3	720	59.0	9	712	28	3.8	473
60 to 64 years .....	1,002	415	41.4	398	39.7	4	393	17	4.1	587
65 years and over .....	2,695	278	10.3	262	9.7	3	259	16	5.6	2,417
65 to 69 years .....	881	152	17.3	144	16.3	2	142	9	5.7	728
70 to 74 years .....	731	70	9.6	66	9.1	-	66	4	5.7	660
75 years and over .....	1,083	55	5.1	52	4.8	1	51	3	5.4	1,028
<b>Men</b>										
16 years and over .....	10,927	7,542	69.0	6,871	62.9	118	6,752	671	8.9	3,386
16 to 19 years .....	1,201	488	40.7	341	28.4	7	335	147	30.1	712
16 to 17 years .....	623	181	29.1	120	19.2	3	116	61	33.9	442
18 to 19 years .....	578	307	53.1	221	38.3	3	218	86	27.9	271
20 to 24 years .....	1,166	837	71.8	686	58.8	11	675	151	18.0	329
25 to 54 years .....	6,536	5,519	84.4	5,178	79.2	87	5,091	341	6.2	1,018
25 to 34 years .....	2,335	2,034	87.1	1,886	80.8	25	1,861	148	7.3	301
25 to 29 years .....	1,126	966	85.8	889	79.0	10	879	77	7.9	160
30 to 34 years .....	1,209	1,068	88.3	997	82.5	15	982	71	6.7	141
35 to 44 years .....	2,520	2,142	85.0	2,008	79.7	37	1,971	133	6.2	378
35 to 39 years .....	1,293	1,106	85.5	1,034	80.0	25	1,009	72	6.5	187
40 to 44 years .....	1,227	1,036	84.5	974	79.4	12	963	62	5.9	191
45 to 54 years .....	1,682	1,343	79.9	1,284	76.3	25	1,259	60	4.4	339
45 to 49 years .....	989	818	82.7	780	78.8	13	767	39	4.7	171
50 to 54 years .....	693	525	75.8	504	72.7	37	492	21	4.0	168
55 to 64 years .....	956	548	57.3	524	54.8	11	513	24	4.5	408
55 to 59 years .....	533	353	66.1	339	63.5	8	331	14	3.9	181
60 to 64 years .....	423	196	46.3	185	43.7	4	181	11	5.5	227
65 years and over .....	1,068	150	14.0	142	13.3	3	139	8	5.2	918
65 to 69 years .....	365	80	21.9	77	21.0	1	75	3	4.1	286
70 to 74 years .....	303	36	12.0	34	11.2	-	34	2	6.6	266
75 years and over .....	400	34	8.4	31	7.9	1	30	2	( <sup>1</sup> )	367
<b>Women</b>										
16 years and over .....	13,446	8,441	62.8	7,685	57.2	20	7,665	756	9.0	5,005
16 to 19 years .....	1,243	528	42.5	395	31.8	1	393	134	25.3	714
16 to 17 years .....	618	189	30.6	126	20.4	1	125	63	33.2	429
18 to 19 years .....	624	339	54.4	268	43.0	-	268	71	20.9	285
20 to 24 years .....	1,380	960	69.6	810	58.7	3	807	150	15.7	419
25 to 54 years .....	7,930	6,209	78.3	5,766	72.7	13	5,753	443	7.1	1,721
25 to 34 years .....	2,886	2,298	79.6	2,081	72.1	5	2,076	218	9.5	588
25 to 29 years .....	1,421	1,115	78.4	1,007	70.8	2	1,005	108	9.7	306
30 to 34 years .....	1,465	1,183	80.8	1,074	73.3	3	1,071	110	9.3	281
35 to 44 years .....	2,991	2,390	79.9	2,230	74.6	5	2,225	160	6.7	601
35 to 39 years .....	1,547	1,222	79.0	1,127	72.8	3	1,124	95	7.8	325
40 to 44 years .....	1,444	1,167	80.9	1,103	76.4	1	1,102	65	5.5	276
45 to 54 years .....	2,053	1,520	74.0	1,455	70.9	4	1,452	65	4.3	533
45 to 49 years .....	1,191	922	77.4	877	73.6	2	875	45	4.9	269
50 to 54 years .....	862	598	69.4	578	67.1	1	577	20	3.3	264
55 to 64 years .....	1,268	615	48.5	594	46.9	2	592	21	3.4	652
55 to 59 years .....	688	396	57.6	382	55.4	1	380	15	3.7	292
60 to 64 years .....	579	219	37.8	213	36.8	1	212	6	2.7	360
65 years and over .....	1,626	128	7.9	120	7.4	-	120	8	6.1	1,498
65 to 69 years .....	515	72	14.1	67	13.0	-	67	5	7.4	443
70 to 74 years .....	428	34	7.9	32	7.6	-	32	2	( <sup>1</sup> )	394
75 years and over .....	683	22	3.2	21	3.1	-	21	1	( <sup>1</sup> )	661

<sup>1</sup> Data not shown where base is less than 35,000

NOTE: Beginning in January 1998, data reflect new composite estimation

procedures and revised population controls used in the household survey.

4. Employment status of the Hispanic-origin population by age and sex

(Numbers in thousands)

Age and sex	1998									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>										
16 years and over .....	21,070	14,317	67.9	13,291	63.1	742	12,549	1,026	7.2	6,753
16 to 19 years .....	2,204	1,007	45.7	793	36.0	36	757	214	21.3	1,197
16 to 17 years .....	1,070	320	29.9	230	21.5	8	222	89	28.0	750
18 to 19 years .....	1,135	688	60.6	563	49.6	28	535	125	18.1	447
20 to 24 years .....	2,731	2,077	76.1	1,883	68.9	124	1,759	194	9.4	654
25 years and over .....	16,134	11,232	69.6	10,615	65.8	583	10,033	617	5.5	4,902
25 to 54 years .....	12,857	10,170	79.1	9,611	74.8	528	9,083	559	5.5	2,688
25 to 34 years .....	5,447	4,372	80.3	4,113	75.5	240	3,873	260	5.9	1,074
35 to 44 years .....	4,636	3,707	80.0	3,504	75.6	175	3,329	203	5.5	929
45 to 54 years .....	2,775	2,090	75.3	1,994	71.9	113	1,882	96	4.6	684
55 years and over .....	3,277	1,063	32.4	1,004	30.7	55	950	58	5.5	2,214
55 to 64 years .....	1,615	894	55.4	846	52.4	46	801	48	5.3	721
65 years and over .....	1,662	169	10.1	158	9.5	9	149	11	6.4	1,493
<b>Men</b>										
16 years and over .....	10,734	8,571	79.8	8,018	74.7	651	7,367	552	6.4	2,164
16 to 19 years .....	1,161	565	48.7	449	38.6	30	418	117	20.6	596
16 to 17 years .....	586	188	32.0	133	22.7	8	126	54	29.0	398
18 to 19 years .....	575	377	65.7	315	54.9	23	293	62	16.4	197
20 to 24 years .....	1,462	1,288	88.1	1,173	80.2	112	1,061	115	8.9	174
25 years and over .....	8,111	6,718	82.8	6,397	78.9	509	5,888	321	4.8	1,394
25 to 54 years .....	6,627	6,071	91.6	5,783	87.3	457	5,327	287	4.7	556
25 to 34 years .....	2,907	2,733	94.0	2,592	89.1	212	2,380	142	5.2	174
35 to 44 years .....	2,377	2,173	91.4	2,077	87.4	152	1,925	97	4.5	204
45 to 54 years .....	1,342	1,164	86.7	1,115	83.1	93	1,022	49	4.2	178
55 years and over .....	1,485	647	43.6	613	41.3	52	561	34	5.2	838
55 to 64 years .....	771	541	70.2	512	66.4	44	468	29	5.3	230
65 years and over .....	714	106	14.9	101	14.2	8	93	5	5.0	608
<b>Women</b>										
16 years and over .....	10,335	5,746	55.6	5,273	51.0	91	5,182	473	8.2	4,589
16 to 19 years .....	1,044	442	42.4	345	33.0	6	339	98	22.1	602
16 to 17 years .....	483	132	27.3	97	20.1	-	97	35	26.4	352
18 to 19 years .....	560	310	55.4	247	44.2	5	242	63	20.2	250
20 to 24 years .....	1,269	789	62.2	710	55.9	12	698	80	10.1	480
25 years and over .....	8,023	4,515	56.3	4,219	52.6	74	4,145	296	6.6	3,508
25 to 54 years .....	6,231	4,099	65.8	3,828	61.4	72	3,756	271	6.6	2,132
25 to 34 years .....	2,539	1,639	64.5	1,521	59.9	29	1,493	118	7.2	900
35 to 44 years .....	2,259	1,533	67.9	1,428	63.2	24	1,404	106	6.9	725
45 to 54 years .....	1,433	927	64.7	879	61.4	19	860	48	5.1	506
55 years and over .....	1,792	416	23.2	391	21.8	2	389	24	5.9	1,376
55 to 64 years .....	844	353	41.9	334	39.6	2	333	19	5.4	491
65 years and over .....	948	62	6.6	57	6.0	1	56	5	8.8	886

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
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**5. 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	
	1997	1998	1997	1998	1997	1998	1997	1998
<b>TOTAL</b>								
Civilian noninstitutional population .....	203,133	205,220	169,993	171,478	24,003	24,373	20,321	21,070
Civilian labor force .....	136,297	137,673	114,693	115,415	15,529	15,982	13,796	14,317
Percent of population .....	67.1	67.1	67.5	67.3	64.7	65.6	67.9	67.9
Employed .....	129,558	131,463	109,856	110,931	13,969	14,556	12,726	13,291
Agriculture .....	3,399	3,378	3,208	3,160	117	138	660	742
Nonagricultural industries .....	126,159	128,085	106,648	107,770	13,852	14,417	12,067	12,549
Unemployed .....	6,739	6,210	4,836	4,484	1,560	1,426	1,069	1,026
Unemployment rate .....	4.9	4.5	4.2	3.9	10.0	8.9	7.7	7.2
Not in labor force .....	66,837	67,547	55,301	56,064	8,474	8,391	6,526	6,753
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	97,715	98,758	82,577	83,352	10,763	10,927	10,368	10,734
Civilian labor force .....	73,261	73,959	62,639	63,034	7,354	7,542	8,309	8,571
Percent of population .....	75.0	74.9	75.9	75.6	68.3	69.0	80.1	79.8
Employed .....	69,685	70,693	59,998	60,604	6,607	6,871	7,728	8,018
Agriculture .....	2,552	2,553	2,389	2,376	103	118	571	651
Nonagricultural industries .....	67,133	68,140	57,608	58,228	6,504	6,752	7,157	7,367
Unemployed .....	3,577	3,266	2,641	2,431	747	671	582	552
Unemployment rate .....	4.9	4.4	4.2	3.9	10.2	8.9	7.0	6.4
Not in labor force .....	24,454	24,799	19,938	20,317	3,409	3,386	2,059	2,164
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	89,879	90,790	76,320	76,966	9,575	9,727	9,250	9,573
Civilian labor force .....	69,166	69,715	59,126	59,421	6,910	7,053	7,779	8,005
Percent of population .....	77.0	76.8	77.5	77.2	72.2	72.5	84.1	83.6
Employed .....	66,284	67,135	56,986	57,500	6,325	6,530	7,307	7,570
Agriculture .....	2,356	2,350	2,201	2,182	101	112	544	621
Nonagricultural industries .....	63,927	64,785	54,785	55,319	6,224	6,418	6,763	6,949
Unemployed .....	2,882	2,580	2,140	1,920	585	524	471	436
Unemployment rate .....	4.2	3.7	3.6	3.2	8.5	7.4	6.1	5.4
Not in labor force .....	20,713	21,075	17,194	17,545	2,665	2,673	1,471	1,568
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	105,418	106,462	87,417	88,126	13,241	13,446	9,953	10,335
Civilian labor force .....	63,036	63,714	52,054	52,380	8,175	8,441	5,486	5,746
Percent of population .....	59.8	59.8	59.5	59.4	61.7	62.8	55.1	55.6
Employed .....	59,873	60,771	49,859	50,327	7,362	7,685	4,999	5,273
Agriculture .....	847	825	819	784	14	20	89	91
Nonagricultural industries .....	59,026	59,945	49,040	49,543	7,348	7,665	4,910	5,182
Unemployed .....	3,162	2,944	2,195	2,053	813	756	488	473
Unemployment rate .....	5.0	4.6	4.2	3.9	9.9	9.0	8.9	8.2
Not in labor force .....	42,382	42,748	35,363	35,746	5,066	5,005	4,466	4,589
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	97,889	98,786	81,492	82,073	12,016	12,203	8,950	9,292
Civilian labor force .....	59,198	59,702	48,847	49,029	7,686	7,912	5,106	5,304
Percent of population .....	60.5	60.4	59.9	59.7	64.0	64.8	57.0	57.1
Employed .....	56,613	57,278	47,063	47,342	7,013	7,290	4,705	4,928
Agriculture .....	798	768	771	729	13	19	83	85
Nonagricultural industries .....	55,815	56,510	46,292	46,612	7,000	7,272	4,622	4,843
Unemployed .....	2,585	2,424	1,784	1,688	673	622	401	376
Unemployment rate .....	4.4	4.1	3.7	3.4	8.8	7.9	7.9	7.1
Not in labor force .....	38,691	39,084	32,645	33,044	4,330	4,291	3,845	3,988
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	15,365	15,644	12,181	12,439	2,412	2,443	2,121	2,204
Civilian labor force .....	7,932	8,256	6,720	6,965	933	1,017	911	1,007
Percent of population .....	51.6	52.8	55.2	56.0	38.7	41.6	43.0	45.7
Employed .....	6,661	7,051	5,807	6,089	631	736	714	793
Agriculture .....	244	261	236	250	3	8	33	36
Nonagricultural industries .....	6,417	6,790	5,571	5,839	628	728	682	757
Unemployed .....	1,271	1,205	912	876	302	281	197	214
Unemployment rate .....	16.0	14.6	13.6	12.6	32.4	27.6	21.6	21.3
Not in labor force .....	7,433	7,388	5,462	5,475	1,479	1,427	1,210	1,197

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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

6. 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 <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1997	1998	1997	1998	1997	1998	1997	1998
<b>TOTAL</b>								
Civilian noninstitutional population .....	20,321	21,070	12,443	13,216	2,139	2,080	1,025	1,062
Civilian labor force .....	13,796	14,317	8,546	9,096	1,293	1,249	646	651
Percent of population .....	67.9	67.9	68.7	68.8	60.4	60.0	63.0	61.3
Employed .....	12,726	13,291	7,884	8,431	1,166	1,145	603	612
Agriculture .....	660	742	572	662	8	10	5	6
Nonagricultural industries .....	12,067	12,549	7,312	7,769	1,158	1,135	599	606
Unemployed .....	1,069	1,026	662	664	127	104	43	39
Unemployment rate .....	7.7	7.2	7.7	7.3	9.8	8.3	6.6	6.0
Not in labor force .....	6,526	6,753	3,897	4,121	846	832	379	411
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	10,368	10,734	6,529	6,937	1,010	975	520	527
Civilian labor force .....	8,309	8,571	5,316	5,660	723	672	387	387
Percent of population .....	80.1	79.8	81.4	81.6	71.6	68.9	74.4	73.5
Employed .....	7,728	8,018	4,941	5,291	654	615	364	371
Agriculture .....	571	651	492	579	6	8	4	5
Nonagricultural industries .....	7,157	7,367	4,450	4,712	648	607	360	366
Unemployed .....	582	552	374	369	69	57	23	16
Unemployment rate .....	7.0	6.4	7.0	6.5	9.6	8.5	6.0	4.1
Not in labor force .....	2,059	2,164	1,214	1,276	287	303	133	140
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	9,250	9,573	5,795	6,139	889	872	500	499
Civilian labor force .....	7,779	8,005	4,965	5,244	669	632	375	372
Percent of population .....	84.1	83.6	85.7	85.4	75.3	72.4	74.9	74.6
Employed .....	7,307	7,570	4,659	4,959	619	586	352	359
Agriculture .....	544	621	466	551	6	8	4	5
Nonagricultural industries .....	6,763	6,949	4,193	4,408	614	578	348	354
Unemployed .....	471	436	306	285	50	46	22	13
Unemployment rate .....	6.1	5.4	6.2	5.4	7.4	7.3	6.0	3.6
Not in labor force .....	1,471	1,568	831	895	220	241	125	127
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	9,953	10,335	5,913	6,280	1,129	1,105	504	535
Civilian labor force .....	5,486	5,746	3,231	3,435	570	576	259	264
Percent of population .....	55.1	55.6	54.6	54.7	50.5	52.2	51.3	49.2
Employed .....	4,999	5,273	2,943	3,140	512	529	239	241
Agriculture .....	89	91	80	83	3	2	1	1
Nonagricultural industries .....	4,910	5,182	2,863	3,057	510	528	239	240
Unemployed .....	488	473	288	296	58	47	20	23
Unemployment rate .....	8.9	8.2	8.9	8.6	10.1	8.2	7.6	8.6
Not in labor force .....	4,466	4,589	2,683	2,844	559	529	246	272
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	8,950	9,292	5,280	5,555	997	1,003	484	509
Civilian labor force .....	5,106	5,304	2,984	3,119	521	530	251	252
Percent of population .....	57.0	57.1	56.5	56.1	52.3	52.8	51.8	49.6
Employed .....	4,705	4,928	2,752	2,897	476	493	232	231
Agriculture .....	83	85	75	77	2	2	1	1
Nonagricultural industries .....	4,622	4,843	2,677	2,820	474	491	232	230
Unemployed .....	401	376	232	221	45	37	19	22
Unemployment rate .....	7.9	7.1	7.8	7.1	8.7	7.0	7.4	8.6
Not in labor force .....	3,845	3,988	2,296	2,436	475	473	233	257
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	2,121	2,204	1,368	1,523	254	205	40	54
Civilian labor force .....	911	1,007	598	733	103	87	20	26
Percent of population .....	43.0	45.7	43.7	48.1	40.4	42.5	49.7	48.1
Employed .....	714	793	473	575	71	66	18	22
Agriculture .....	33	36	31	34	—	1	—	—
Nonagricultural industries .....	682	757	442	541	70	65	18	22
Unemployed .....	197	214	125	158	32	21	2	4
Unemployment rate .....	21.6	21.3	20.9	21.5	31.2	24.1	( <sup>2</sup> )	( <sup>2</sup> )
Not in labor force .....	1,210	1,197	770	790	151	118	20	28

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

<sup>2</sup> Data not shown where base is less than 35,000.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**7. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, sex, race, and Hispanic origin**

(Numbers in thousands)

Educational attainment	Total		Men		Women		White		Black		Hispanic origin	
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
<b>TOTAL</b>												
Civilian noninstitutional population ...	170,327	171,983	81,173	81,986	89,153	89,997	143,829	144,900	19,076	19,384	15,577	16,134
Civilian labor force .....	114,833	115,779	61,982	62,494	52,851	53,285	96,846	97,206	12,813	13,168	10,880	11,232
Percent of population .....	67.4	67.3	76.4	76.2	59.3	59.2	67.3	67.1	67.2	67.9	69.8	69.6
Employed .....	110,518	111,855	59,736	60,497	50,782	51,359	93,687	94,330	11,882	12,324	10,214	10,615
Employment-population ratio .....	64.9	65.0	73.6	73.8	57.0	57.1	65.1	65.1	62.3	63.6	65.6	65.8
Unemployed .....	4,315	3,924	2,246	1,998	2,069	1,926	3,159	2,877	930	844	666	617
Unemployment rate .....	3.8	3.4	3.6	3.2	3.9	3.6	3.3	3.0	7.3	6.4	6.1	5.5
<b>Less than a high school diploma</b>												
Civilian noninstitutional population ...	29,757	29,375	14,119	13,975	15,638	15,400	23,785	23,557	4,611	4,459	6,968	7,138
Civilian labor force .....	12,564	12,561	7,766	7,711	4,798	4,850	10,144	10,146	1,816	1,785	4,084	4,191
Percent of population .....	42.2	42.8	55.0	55.2	30.7	31.5	42.6	43.1	39.4	40.0	58.6	58.7
Employed .....	11,546	11,673	7,210	7,238	4,336	4,435	9,414	9,510	1,578	1,579	3,738	3,889
Employment-population ratio .....	38.8	39.7	51.1	51.8	27.7	28.8	39.6	40.4	34.2	35.4	53.7	54.5
Unemployed .....	1,018	887	557	472	461	415	730	635	238	207	346	303
Unemployment rate .....	8.1	7.1	7.2	6.1	9.6	8.6	7.2	6.3	13.1	11.6	8.5	7.2
<b>High school graduates, no college</b>												
Civilian noninstitutional population ...	57,424	57,524	26,076	26,212	31,348	31,313	48,728	48,709	6,837	6,910	4,154	4,296
Civilian labor force .....	37,769	37,465	19,967	19,961	17,802	17,504	31,699	31,313	4,798	4,864	3,123	3,195
Percent of population .....	65.8	65.1	76.6	76.2	56.8	55.9	65.1	64.3	70.2	70.4	75.2	74.4
Employed .....	36,163	35,976	19,124	19,188	17,039	16,788	30,552	30,249	4,409	4,504	2,945	3,018
Employment-population ratio .....	63.0	62.5	73.3	73.2	54.4	53.6	62.7	62.1	64.5	65.2	70.9	70.2
Unemployed .....	1,606	1,489	844	773	763	717	1,147	1,064	389	360	178	177
Unemployment rate .....	4.3	4.0	4.2	3.9	4.3	4.1	3.6	3.4	8.1	7.4	5.7	5.5
<b>Less than a bachelor's degree<sup>1</sup></b>												
Civilian noninstitutional population ...	41,946	42,261	19,387	19,488	22,560	22,773	35,552	35,643	4,890	5,042	2,830	2,934
Civilian labor force .....	31,343	31,412	15,892	15,860	15,451	15,552	26,326	26,211	3,884	4,000	2,309	2,373
Percent of population .....	74.7	74.3	82.0	81.4	68.5	68.3	74.0	73.5	79.4	79.3	81.6	80.9
Employed .....	30,321	30,477	15,393	15,415	14,928	15,062	25,574	25,527	3,665	3,795	2,214	2,282
Employment-population ratio .....	72.3	72.1	79.4	79.1	66.2	66.1	71.9	71.6	74.9	75.3	78.2	77.8
Unemployed .....	1,022	935	499	445	523	489	752	685	219	204	95	91
Unemployment rate .....	3.3	3.0	3.1	2.8	3.4	3.1	2.9	2.6	5.6	5.1	4.1	3.8
<b>Some college, no degree</b>												
Civilian noninstitutional population ...	29,448	29,526	14,009	13,883	15,439	15,642	24,817	24,715	3,640	3,768	2,056	2,120
Civilian labor force .....	21,430	21,311	11,252	11,018	10,178	10,293	17,845	17,592	2,855	2,938	1,672	1,689
Percent of population .....	72.8	72.2	80.3	79.4	65.9	65.8	71.9	71.2	78.4	78.0	81.3	79.7
Employed .....	20,678	20,626	10,876	10,684	9,802	9,943	17,302	17,101	2,681	2,776	1,603	1,622
Employment-population ratio .....	70.2	69.9	77.6	77.0	63.5	63.6	69.7	69.2	73.6	73.7	77.9	76.5
Unemployed .....	752	684	377	335	376	350	543	491	175	162	69	68
Unemployment rate .....	3.5	3.2	3.3	3.0	3.7	3.4	3.0	2.8	6.1	5.5	4.1	4.0
<b>Associate degree</b>												
Civilian noninstitutional population ...	12,498	12,735	5,378	5,604	7,121	7,131	10,735	10,928	1,250	1,273	773	814
Civilian labor force .....	9,913	10,101	4,640	4,842	5,273	5,259	8,481	8,619	1,029	1,061	637	683
Percent of population .....	79.3	79.3	86.3	86.4	74.1	73.7	79.0	78.9	82.3	83.4	82.3	84.0
Employed .....	9,643	9,850	4,517	4,731	5,126	5,119	8,271	8,426	984	1,020	611	660
Employment-population ratio .....	77.2	77.3	84.0	84.4	72.0	71.8	77.1	77.1	78.7	80.1	79.0	81.1
Unemployed .....	270	251	123	111	147	140	210	193	45	42	26	23
Unemployment rate .....	2.7	2.5	2.6	2.3	2.8	2.7	2.5	2.2	4.3	3.9	4.0	3.4
<b>College graduates</b>												
Civilian noninstitutional population ...	41,200	42,822	21,592	22,312	19,608	20,510	35,764	36,991	2,738	2,973	1,625	1,766
Civilian labor force .....	33,157	34,342	18,357	18,963	14,800	15,379	28,677	29,537	2,314	2,520	1,364	1,474
Percent of population .....	80.5	80.2	85.0	85.0	75.5	75.0	80.2	79.8	84.5	84.7	83.9	83.4
Employed .....	32,488	33,730	18,010	18,656	14,478	15,074	28,148	29,044	2,230	2,446	1,316	1,427
Employment-population ratio .....	78.9	78.8	83.4	83.6	73.8	73.5	78.7	78.5	81.4	82.3	81.0	80.8
Unemployed .....	669	612	347	307	322	305	529	493	84	74	47	47
Unemployment rate .....	2.0	1.8	1.9	1.6	2.2	2.0	1.8	1.7	3.6	2.9	3.5	3.2

<sup>1</sup> Includes the categories, some college, no degree, and associate degree.

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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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

(Numbers in thousands)

Age, sex, and race	1998									
	Employed <sup>1</sup>								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 <sup>2</sup>		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				
<b>TOTAL</b>										
Total, 16 years and over .....	108,202	91,880	12,260	4,062	23,261	2,497	19,239	1,524	4,916	1,293
16 to 19 years .....	2,320	1,914	344	61	4,731	300	4,233	198	584	621
16 to 17 years .....	353	271	70	12	2,409	60	2,242	107	164	409
18 to 19 years .....	1,967	1,643	275	49	2,322	240	1,990	91	420	212
20 years and over .....	105,882	89,966	11,915	4,001	18,530	2,197	15,007	1,326	4,332	672
20 to 24 years .....	9,273	7,926	1,106	240	3,285	466	2,667	151	910	171
25 years and over .....	96,609	82,040	10,810	3,760	15,246	1,731	12,339	1,175	3,423	501
25 to 54 years .....	84,274	71,912	9,240	3,121	10,985	1,513	8,665	806	3,097	362
55 years and over .....	12,336	10,127	1,570	639	4,261	218	3,674	369	325	139
<b>Men, 16 years and over</b> .....	63,189	55,080	6,136	1,973	7,504	1,063	6,026	416	2,707	559
16 to 19 years .....	1,351	1,133	186	32	2,207	137	1,976	94	340	345
20 years and over .....	61,837	53,947	5,950	1,940	5,297	925	4,050	322	2,366	214
20 to 24 years .....	5,294	4,627	557	110	1,344	218	1,074	51	509	73
25 years and over .....	56,543	49,320	5,393	1,830	3,953	708	2,975	271	1,857	141
25 to 54 years .....	49,092	43,061	4,555	1,476	2,182	612	1,440	130	1,648	80
55 years and over .....	7,451	6,259	838	355	1,772	96	1,535	141	209	61
<b>Women, 16 years and over</b> .....	45,014	36,800	6,124	2,090	15,757	1,435	13,214	1,108	2,210	734
16 to 19 years .....	969	781	158	29	2,524	163	2,257	104	244	276
20 years and over .....	44,045	36,019	5,965	2,061	13,233	1,272	10,957	1,004	1,966	458
20 to 24 years .....	3,979	3,299	549	131	1,941	248	1,593	100	400	98
25 years and over .....	40,066	32,720	5,416	1,930	11,292	1,024	9,364	905	1,566	360
25 to 54 years .....	35,181	28,851	4,685	1,646	8,803	901	7,225	677	1,449	282
55 years and over .....	4,885	3,868	732	284	2,490	122	2,139	228	116	78
<b>White</b>										
<b>Men, 16 years and over</b> .....	54,206	47,239	5,257	1,709	6,398	829	5,209	360	1,999	432
16 to 19 years .....	1,188	999	162	27	1,915	113	1,723	80	242	268
20 years and over .....	53,017	46,240	5,095	1,682	4,483	716	3,487	280	1,756	164
20 to 24 years .....	4,540	3,971	475	95	1,118	172	902	44	349	56
25 years and over .....	48,477	42,269	4,620	1,588	3,365	544	2,585	236	1,408	108
25 to 54 years .....	41,872	36,733	3,876	1,264	1,763	466	1,190	107	1,237	57
55 years and over .....	6,605	5,536	745	324	1,602	78	1,395	128	170	51
<b>Women, 16 years and over</b> .....	36,553	29,792	5,039	1,722	13,774	1,089	11,695	990	1,481	572
16 to 19 years .....	816	663	129	24	2,170	136	1,945	88	163	202
20 years and over .....	35,738	29,130	4,910	1,698	11,604	953	9,749	902	1,318	370
20 to 24 years .....	3,241	2,698	443	100	1,612	188	1,342	83	255	72
25 years and over .....	32,497	26,431	4,467	1,599	9,992	765	8,407	819	1,063	298
25 to 54 years .....	28,310	23,118	3,838	1,353	7,766	672	6,483	611	974	232
55 years and over .....	4,187	3,313	629	246	2,226	93	1,925	208	89	66
<b>Black</b>										
<b>Men, 16 years and over</b> .....	6,148	5,322	637	189	723	168	520	34	572	99
16 to 19 years .....	125	104	17	3	216	21	185	10	85	62
20 years and over .....	6,023	5,218	620	185	507	147	334	25	487	37
20 to 24 years .....	550	478	62	10	136	37	94	4	140	11
25 years and over .....	5,473	4,740	558	175	371	110	240	21	347	26
25 to 54 years .....	4,922	4,279	489	153	256	100	142	13	323	18
55 years and over .....	551	460	69	22	115	10	98	7	25	8
<b>Women, 16 years and over</b> .....	6,281	5,166	828	288	1,404	278	1,045	81	624	131
16 to 19 years .....	122	92	25	5	273	22	237	13	69	65
20 years and over .....	6,159	5,073	803	283	1,131	256	807	68	555	66
20 to 24 years .....	579	466	87	25	231	49	170	12	129	21
25 years and over .....	5,581	4,607	715	258	900	207	637	56	426	45
25 to 54 years .....	5,065	4,200	634	230	701	184	476	41	407	36
55 years and over .....	516	407	81	28	199	23	161	15	19	9

<sup>1</sup> 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 also are classified according to their usual status.

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

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**9. Employed persons by occupation, sex, and age**

(Numbers 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	
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
Total .....	129,558	131,463	69,685	70,693	66,284	67,135	59,873	60,771	56,613	57,278
Managerial and professional specialty .....	37,686	38,937	19,249	19,867	19,131	19,738	18,437	19,070	18,299	18,890
Executive, administrative, and managerial .....	18,440	19,054	10,271	10,585	10,223	10,534	8,170	8,469	8,124	8,407
Officials and administrators, public administration .....	694	719	372	389	372	388	322	330	322	329
Other executive, administrative, and managerial .....	13,143	13,635	7,951	8,181	7,911	8,137	5,191	5,454	5,154	5,406
Management-related occupations .....	4,604	4,700	1,948	2,015	1,940	2,008	2,656	2,685	2,648	2,672
Professional specialty .....	19,245	19,883	8,978	9,282	8,907	9,204	10,267	10,602	10,176	10,483
Engineers .....	2,036	2,052	1,841	1,824	1,840	1,822	195	228	194	228
Mathematical and computer scientists .....	1,494	1,747	1,040	1,243	1,034	1,235	454	505	453	501
Natural scientists .....	529	519	365	359	365	359	164	161	164	160
Health diagnosing occupations .....	1,027	1,083	769	798	769	797	259	285	258	284
Health assessment and treating occupations .....	2,886	2,898	391	428	390	427	2,495	2,470	2,492	2,467
Teachers, college and university .....	869	919	498	530	492	524	371	389	364	384
Teachers, except college and university .....	4,798	4,962	1,166	1,225	1,149	1,208	3,632	3,737	3,594	3,683
Lawyers and judges .....	925	951	678	679	677	678	247	272	246	272
Other professional specialty occupations .....	4,681	4,750	2,231	2,196	2,192	2,154	2,450	2,555	2,409	2,502
Technical, sales, and administrative support .....	38,309	38,521	13,760	13,792	12,981	12,973	24,549	24,728	22,859	22,893
Technicians and related support .....	4,214	4,261	2,028	1,976	1,989	1,938	2,186	2,285	2,153	2,251
Health technologists and technicians .....	1,693	1,733	336	319	333	312	1,357	1,414	1,339	1,400
Engineering and science technicians .....	1,246	1,255	955	930	932	908	291	325	281	314
Technicians, except health, engineering, and science .....	1,275	1,273	737	728	725	718	538	545	532	537
Sales occupations .....	15,734	15,850	7,840	7,875	7,320	7,324	7,894	7,975	6,804	6,778
Supervisors and proprietors .....	4,635	4,719	2,855	2,829	2,833	2,809	1,780	1,890	1,754	1,855
Sales representatives, finance and business services .....	2,613	2,668	1,464	1,504	1,445	1,470	1,149	1,165	1,124	1,126
Sales representatives, commodities, except retail .....	1,507	1,584	1,132	1,173	1,126	1,166	375	411	369	402
Sales workers, retail and personal services .....	6,887	6,784	2,364	2,344	1,892	1,855	4,523	4,440	3,493	3,330
Sales-related occupations .....	91	94	24	26	23	24	67	68	64	66
Administrative support, including clerical .....	18,361	18,410	3,892	3,941	3,673	3,711	14,469	14,469	13,902	13,863
Supervisors .....	685	698	275	279	274	277	410	419	406	417
Computer equipment operators .....	392	375	162	170	158	166	229	205	223	202
Secretaries, stenographers, and typists .....	3,692	3,599	79	85	73	80	3,613	3,515	3,519	3,415
Financial records processing .....	2,196	2,214	172	175	165	166	2,024	2,039	1,998	2,008
Mail and message distributing .....	977	984	606	611	588	595	371	374	360	362
Other administrative support, including clerical .....	10,420	10,539	2,597	2,622	2,413	2,428	7,823	7,917	7,395	7,459
Service occupations .....	17,537	17,836	7,122	7,222	6,134	6,237	10,416	10,614	9,284	9,436
Private household .....	795	847	37	46	30	40	758	801	670	708
Protective service .....	2,300	2,417	1,890	1,986	1,837	1,948	411	431	373	385
Service, except private household and protective .....	14,442	14,572	5,195	5,190	4,267	4,249	9,247	9,382	8,241	8,343
Food service .....	5,999	6,071	2,590	2,639	1,876	1,919	3,409	3,432	2,705	2,726
Health service .....	2,447	2,480	289	285	278	266	2,158	2,194	2,075	2,097
Cleaning and building service .....	3,108	3,112	1,764	1,728	1,641	1,597	1,344	1,384	1,286	1,317
Personal service .....	2,888	2,909	552	537	473	467	2,335	2,371	2,174	2,203
Precision production, craft, and repair .....	14,124	14,411	12,868	13,208	12,575	12,878	1,256	1,203	1,229	1,181
Mechanics and repairers .....	4,675	4,786	4,494	4,592	4,400	4,475	181	194	178	191
Construction trades .....	5,378	5,594	5,251	5,485	5,113	5,319	127	109	122	104
Other precision production, craft, and repair .....	4,071	4,031	3,123	3,131	3,063	3,084	948	900	928	886
Operators, fabricators, and laborers .....	18,399	18,256	13,858	13,769	12,876	12,736	4,540	4,487	4,318	4,264
Machine operators, assemblers, and inspectors .....	7,962	7,791	4,962	4,882	4,794	4,695	3,000	2,909	2,916	2,826
Transportation and material moving occupations .....	5,389	5,363	4,872	4,818	4,774	4,703	518	545	500	531
Motor vehicle operators .....	4,089	4,069	3,629	3,601	3,548	3,517	461	468	445	455
Other transportation and material moving occupations .....	1,300	1,294	1,243	1,217	1,226	1,187	57	77	55	76
Handlers, equipment cleaners, helpers, and laborers .....	5,048	5,102	4,025	4,069	3,309	3,338	1,023	1,033	901	908
Construction laborers .....	811	821	773	784	703	706	37	37	36	35
Other handlers, equipment cleaners, helpers, and laborers .....	4,237	4,282	3,252	3,285	2,605	2,632	985	996	865	873
Farming, forestry, and fishing .....	3,503	3,502	2,828	2,835	2,587	2,572	675	668	625	614
Farm operators and managers .....	1,317	1,187	1,012	913	1,000	905	305	274	302	270
Other farming, forestry, and fishing occupations .....	2,186	2,315	1,816	1,921	1,587	1,666	371	394	323	343

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

10. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	1997	1998	1997	1998	1997	1998
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	129,558	131,463	69,685	70,693	59,873	60,771
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	29.1	29.6	27.6	28.1	30.8	31.4
Executive, administrative, and managerial .....	14.2	14.5	14.7	15.0	13.6	13.9
Professional specialty .....	14.9	15.1	12.9	13.1	17.1	17.4
Technical, sales, and administrative support .....	29.6	29.3	19.7	19.5	41.0	40.7
Technicians and related support .....	3.3	3.2	2.9	2.8	3.7	3.8
Sales occupations .....	12.1	12.1	11.3	11.1	13.2	13.1
Administrative support, including clerical .....	14.2	14.0	5.6	5.6	24.2	23.8
Service occupations .....	13.5	13.6	10.2	10.2	17.4	17.5
Private household .....	.6	.6	.1	.1	1.3	1.3
Protective service .....	1.8	1.8	2.7	2.8	.7	.7
Service, except private household and protective .....	11.1	11.1	7.5	7.3	15.4	15.4
Precision production, craft, and repair .....	10.9	11.0	18.5	18.7	2.1	2.0
Operators, fabricators, and laborers .....	14.2	13.9	19.9	19.5	7.6	7.4
Machine operators, assemblers, and inspectors .....	6.1	5.9	7.1	6.9	5.0	4.8
Transportation and material moving occupations .....	4.2	4.1	7.0	6.8	.9	.9
Handlers, equipment cleaners, helpers, and laborers .....	3.9	3.9	5.8	5.8	1.7	1.7
Farming, forestry, and fishing .....	2.7	2.7	4.1	4.0	1.1	1.1
<b>White</b>						
Total, 16 years and over (thousands) .....	109,856	110,931	59,998	60,604	49,859	50,327
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	30.1	30.7	28.5	29.1	32.0	32.6
Executive, administrative, and managerial .....	14.9	15.2	15.5	15.8	14.3	14.6
Professional specialty .....	15.2	15.5	13.0	13.3	17.8	18.1
Technical, sales, and administrative support .....	29.7	29.3	19.8	19.5	41.6	41.1
Technicians and related support .....	3.3	3.2	2.9	2.7	3.7	3.8
Sales occupations .....	12.5	12.4	11.7	11.5	13.4	13.4
Administrative support, including clerical .....	13.9	13.7	5.2	5.2	24.5	24.0
Service occupations .....	12.4	12.4	9.2	9.2	16.2	16.3
Private household .....	.6	.6	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.3
Protective service .....	1.6	1.7	2.5	2.6	.6	.6
Service, except private household and protective .....	10.2	10.1	6.6	6.5	14.4	14.4
Precision production, craft, and repair .....	11.4	11.5	19.1	19.4	2.0	1.9
Operators, fabricators, and laborers .....	13.5	13.2	19.0	18.5	6.9	6.8
Machine operators, assemblers, and inspectors .....	5.8	5.5	6.9	6.6	4.4	4.3
Transportation and material moving occupations .....	4.0	3.9	6.7	6.5	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.7	3.7	5.4	5.4	1.6	1.6
Farming, forestry, and fishing .....	3.0	2.9	4.4	4.3	1.3	1.2
<b>Black</b>						
Total, 16 years and over (thousands) .....	13,969	14,556	6,607	6,871	7,362	7,685
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	19.8	20.2	16.8	17.0	22.4	23.2
Executive, administrative, and managerial .....	9.1	9.4	8.5	8.6	9.6	10.1
Professional specialty .....	10.7	10.8	8.4	8.4	12.8	13.0
Technical, sales, and administrative support .....	28.9	29.3	18.1	18.3	38.5	39.1
Technicians and related support .....	2.9	3.0	2.6	2.5	3.2	3.5
Sales occupations .....	9.1	9.7	6.8	7.8	11.2	11.4
Administrative support, including clerical .....	16.8	16.5	8.7	8.0	24.1	24.2
Service occupations .....	22.1	21.6	18.1	17.8	25.7	25.0
Private household .....	.9	.8	.1	.1	1.7	1.5
Protective service .....	3.1	3.2	4.8	4.8	1.5	1.7
Service, except private household and protective .....	18.1	17.6	13.2	12.9	22.5	21.9
Precision production, craft, and repair .....	8.2	8.0	14.9	14.6	2.2	2.0
Operators, fabricators, and laborers .....	19.9	19.7	29.9	30.1	10.9	10.4
Machine operators, assemblers, and inspectors .....	8.4	8.2	9.6	9.7	7.4	7.0
Transportation and material moving occupations .....	5.9	6.0	11.0	11.1	1.3	1.4
Handlers, equipment cleaners, helpers, and laborers .....	5.6	5.5	9.4	9.3	2.2	2.0
Farming, forestry, and fishing .....	1.1	1.2	2.1	2.2	.2	.3

<sup>1</sup> Less than 0.05 percent.

NOTE: Beginning in January 1998, data reflect new composite estimation

procedures and revised population controls used in the household survey.

11. Employed persons by detailed occupation, sex, race, and Hispanic origin

(Numbers in thousands)

Occupation	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over .....	131,463	46.2	11.1	10.1
Managerial and professional specialty .....	38,937	49.0	7.6	5.0
Executive, administrative, and managerial .....	19,054	44.4	7.2	5.4
Officials and administrators, public administration .....	630	48.5	12.1	4.5
Administrators, protective services .....	60	25.2	15.7	3.6
Financial managers .....	705	53.3	6.8	4.4
Personnel and labor relations managers .....	162	65.9	7.7	4.3
Purchasing managers .....	136	39.4	5.0	5.5
Managers, marketing, advertising, and public relations .....	772	38.5	3.8	3.4
Administrators, education and related fields .....	752	62.2	10.6	4.2
Managers, medicine and health .....	725	79.2	6.8	5.3
Managers, food serving and lodging establishments .....	1,453	43.9	8.8	8.7
Managers, properties and real estate .....	517	52.2	7.1	9.4
Management-related occupations .....	4,700	57.1	9.7	5.4
Accountants and auditors .....	1,616	58.2	9.4	4.9
Underwriters .....	117	71.0	13.1	.6
Other financial officers .....	745	53.9	7.7	5.0
Management analysts .....	441	41.4	9.1	2.4
Personnel, training, and labor relations specialists .....	482	68.3	14.7	5.8
Buyers, wholesale and retail trade, except farm products .....	224	48.4	5.9	8.8
Construction inspectors .....	70	6.6	2.8	9.1
Inspectors and compliance officers, except construction .....	237	36.0	12.8	9.7
Professional specialty .....	19,883	53.3	7.9	4.6
Engineers, architects, and surveyors .....	2,224	11.5	4.0	3.9
Architects .....	158	17.5	2.0	5.2
Engineers .....	2,052	11.1	4.1	3.8
Aerospace engineers .....	86	8.4	3.3	2.6
Chemical engineers .....	69	16.5	4.6	1.0
Civil engineers .....	296	12.1	2.0	4.6
Electrical and electronic engineers .....	629	9.0	5.3	3.7
Industrial engineers .....	262	18.3	5.3	5.6
Mechanical engineers .....	335	7.0	3.3	2.0
Mathematical and computer scientists .....	1,747	28.9	7.2	4.2
Computer systems analysts and scientists .....	1,471	26.9	7.2	3.6
Operations and systems researchers and analysts .....	212	41.9	8.8	8.5
Natural scientists .....	519	30.9	3.9	3.0
Chemists, except biochemists .....	133	32.9	6.1	3.1
Geologists and geodesists .....	63	11.6	.3	2.0
Biological and life scientists .....	104	38.8	3.3	1.5
Medical scientists .....	83	45.2	5.6	5.2
Health diagnosing occupations .....	1,083	26.3	4.2	4.0
Physicians .....	740	26.6	4.9	4.8
Dentists .....	155	19.8	2.8	2.0
Veterinarians .....	58	32.5	1.9	4.9
Health assessment and treating occupations .....	2,898	85.2	8.9	3.4
Registered nurses .....	2,032	92.5	9.3	3.2
Pharmacists .....	180	44.0	4.1	5.1
Dietitians .....	90	86.0	18.2	4.3
Therapists .....	528	75.4	7.3	3.8
Respiratory therapists .....	103	60.8	11.7	2.0
Occupational therapists .....	71	83.0	6.5	.7
Physical therapists .....	134	72.9	4.2	5.4
Speech therapists .....	105	92.6	1.9	6.3
Physicians' assistants .....	68	52.6	10.6	2.8
Teachers, college and university .....	919	42.3	5.8	3.6
Teachers, except college and university .....	4,962	75.3	10.0	5.4
Prekindergarten and kindergarten .....	586	97.8	14.4	8.0
Elementary school .....	1,951	84.0	10.5	5.6
Secondary school .....	1,225	56.9	8.9	4.2
Special education .....	381	82.0	11.0	4.7
Counselors, educational and vocational .....	230	68.8	13.2	5.5
Librarians, archivists, and curators .....	236	80.8	5.9	5.4
Librarians .....	208	83.4	5.2	5.9
Social scientists and urban planners .....	430	54.7	6.7	5.2
Economists .....	137	46.3	3.6	6.5
Psychologists .....	232	62.1	10.2	4.0
Social, recreation, and religious workers .....	1,329	55.1	17.5	5.9

See footnotes at end of table.

11. Employed persons by detailed occupation, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Occupation	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Social workers .....	749	68.4	23.4	6.4
Recreation workers .....	132	75.1	15.9	4.8
Clergy .....	325	12.0	8.7	6.1
Lawyers and judges .....	951	28.6	4.3	3.0
Lawyers .....	912	28.5	4.0	3.0
Writers, artists, entertainers, and athletes .....	2,353	51.4	6.2	5.6
Authors .....	130	55.0	2.2	1.3
Technical writers .....	73	57.4	3.5	1.2
Designers .....	692	58.0	3.0	6.6
Musicians and composers .....	183	39.7	10.8	7.2
Actors and directors .....	130	38.7	8.2	4.5
Painters, sculptors, craft artists, and artist printmakers .....	241	53.9	4.7	5.0
Photographers .....	154	38.1	5.5	7.1
Editors and reporters .....	274	51.0	8.9	3.1
Public relations specialists .....	170	66.3	8.8	4.0
Announcers .....	60	17.1	10.7	5.0
Athletes .....	91	23.7	12.7	3.7
Technical, sales, and administrative support .....	38,521	64.2	11.1	8.3
Technicians and related support .....	4,261	53.6	10.4	6.6
Health technologists and technicians .....	1,733	81.6	13.9	7.0
Clinical laboratory technologists and technicians .....	359	78.5	15.0	6.4
Dental hygienists .....	112	99.1	3.9	3.9
Radiologic technicians .....	170	69.5	8.2	2.0
Licensed practical nurses .....	381	96.0	17.4	5.8
Engineering and related technologists and technicians .....	970	20.8	8.6	7.6
Electrical and electronic technicians .....	431	16.9	9.3	8.8
Drafting occupations .....	228	19.3	3.5	6.2
Surveying and mapping technicians .....	71	12.8	3.5	8.2
Science technicians .....	285	43.3	8.8	5.8
Biological technicians .....	108	68.2	4.0	4.9
Chemical technicians .....	75	21.2	12.9	5.3
Technicians, except health, engineering, and science .....	1,273	42.8	7.2	5.6
Airplane pilots and navigators .....	113	3.4	1.9	2.5
Computer programmers .....	613	28.5	6.4	4.9
Legal assistants .....	370	82.0	8.1	7.2
Sales occupations .....	15,850	50.3	8.9	7.9
Supervisors and proprietors .....	4,719	40.1	6.5	6.3
Sales representatives, finance and business services .....	2,668	43.6	7.6	4.8
Insurance sales .....	592	41.5	9.1	4.2
Real estate sales .....	749	53.0	3.9	4.1
Securities and financial services sales .....	477	29.1	6.4	3.7
Advertising and related sales .....	186	58.3	8.9	3.1
Sales occupations, other business services .....	664	41.3	11.1	7.4
Sales representatives, commodities, except retail .....	1,584	26.0	2.9	5.4
Sales representatives, mining, manufacturing, and wholesale .....	1,544	26.4	2.9	5.6
Sales workers, retail and personal services .....	6,784	65.4	12.5	10.7
Sales workers, motor vehicles and boats .....	309	11.1	8.8	7.4
Sales workers, apparel .....	447	80.2	14.5	9.7
Sales workers, shoes .....	107	65.2	16.7	13.4
Sales workers, furniture and home furnishings .....	152	49.2	4.0	7.7
Sales workers, radio, television, hi-fi, and appliances .....	280	25.8	10.0	10.4
Sales workers, hardware and building supplies .....	262	24.1	5.7	5.7
Sales workers, parts .....	165	10.6	4.5	10.4
Sales workers, other commodities .....	1,416	68.3	8.5	9.3
Sales counter clerks .....	205	67.7	10.1	14.6
Cashiers .....	3,025	78.2	16.8	12.7
Street and door-to-door sales workers .....	315	76.3	8.5	9.0
News vendors .....	100	36.8	9.2	2.9
Sales-related occupations .....	94	72.7	6.6	3.7
Demonstrators, promoters, and models .....	71	79.3	6.9	4.2
Administrative support occupations, including clerical .....	18,410	78.6	13.1	9.0
Supervisors, administrative support .....	698	60.1	15.1	5.9
Supervisors, general office .....	397	69.1	14.1	6.8
Supervisors, financial records processing .....	88	81.8	8.0	3.6
Supervisors, distribution, scheduling, and adjusting clerks .....	192	33.9	20.4	5.3
Computer equipment operators .....	375	54.7	14.1	7.1
Computer operators .....	371	54.8	14.2	6.8

See footnotes at end of table.

11. Employed persons by detailed occupation, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Occupation	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Secretaries, stenographers, and typists .....	3,599	97.6	9.6	7.0
Secretaries .....	2,914	98.4	8.5	7.0
Stenographers .....	106	94.2	3.2	6.5
Typists .....	580	94.3	16.5	7.1
Information clerks .....	1,965	89.0	11.5	10.7
Interviewers .....	166	81.3	16.2	7.4
Hotel clerks .....	126	79.2	13.9	6.2
Transportation ticket and reservation agents .....	273	77.1	9.5	9.3
Receptionists .....	1,006	95.5	10.5	12.5
Records processing, except financial .....	1,063	79.2	14.5	10.6
Order clerks .....	246	75.2	20.2	11.4
Personnel clerks, except payroll and timekeeping .....	74	87.1	14.0	15.9
Library clerks .....	173	75.5	10.3	6.1
File clerks .....	348	80.3	14.5	10.8
Records clerks .....	205	82.5	10.7	11.9
Financial records processing .....	2,214	92.1	7.7	6.5
Bookkeepers, accounting, and auditing clerks .....	1,726	93.0	6.8	6.0
Payroll and timekeeping clerks .....	146	89.7	10.6	8.8
Billing clerks .....	185	87.2	9.3	7.9
Cost and rate clerks .....	52	83.7	8.9	9.2
Billing, posting, and calculating machine operators .....	105	94.1	15.7	6.1
Duplicating, mail and other office machine operators .....	81	55.7	18.9	16.6
Communications equipment operators .....	175	81.7	25.9	14.3
Telephone operators .....	159	85.8	26.8	13.1
Mail and message distributing .....	984	38.0	21.1	10.3
Postal clerks, except mail carriers .....	319	47.2	28.2	8.5
Mail carriers, postal service .....	333	29.7	17.1	9.9
Mail clerks, except postal service .....	178	49.7	24.5	12.4
Messengers .....	155	23.1	11.4	12.3
Material recording, scheduling, and distributing clerks .....	1,945	45.1	14.1	12.7
Dispatchers .....	235	49.4	11.0	8.7
Production coordinators .....	255	56.7	5.3	7.0
Traffic, shipping, and receiving clerks .....	628	31.6	17.3	17.0
Stock and inventory clerks .....	452	42.9	15.5	14.8
Weighers, measurers, and checkers and samplers .....	51	52.4	22.8	9.4
Expeditors .....	272	67.9	12.7	10.4
Adjusters and investigators .....	1,813	74.7	16.3	8.0
Insurance adjusters, examiners, and investigators .....	476	72.1	12.2	6.6
Investigators and adjusters, except insurance .....	1,049	75.6	17.1	7.7
Eligibility clerks, social welfare .....	94	85.8	17.5	14.7
Bill and account collectors .....	195	70.5	21.5	9.3
Miscellaneous administrative support .....	3,496	83.1	14.7	9.7
General office clerks .....	735	81.1	15.3	10.8
Bank tellers .....	416	89.5	11.0	9.0
Data-entry keyers .....	711	81.8	17.4	8.4
Statistical clerks .....	100	80.5	19.4	7.1
Teachers' aides .....	633	93.0	15.1	13.5
Service occupations .....	17,836	59.5	17.6	15.0
Private household .....	847	94.6	13.7	30.9
Child care workers .....	278	96.5	9.4	19.5
Cleaners and servants .....	549	94.3	15.4	37.0
Protective service .....	2,417	17.8	19.1	8.5
Supervisors .....	214	9.3	14.2	7.5
Police and detectives .....	118	11.3	10.5	6.0
Guards .....	55	11.8	24.9	5.3
Firefighting and fire prevention .....	250	2.5	10.9	5.3
Firefighting .....	228	2.3	11.8	3.9
Police and detectives .....	1,062	16.3	19.4	8.8
Police and detectives, public service .....	602	11.5	15.2	10.0
Sheriffs, bailiffs, and other law enforcement officers .....	161	17.0	16.8	8.0
Correctional institution officers .....	299	25.4	29.2	6.8
Guards .....	891	26.0	22.4	9.2
Guards and police, except public services .....	753	19.0	25.1	9.9
Service occupations, except private household and protective service .....	14,572	64.4	17.6	15.1
Food preparation and service occupations .....	6,071	56.5	11.8	17.0
Supervisors, food preparation and service .....	417	67.4	13.8	12.4
Bartenders .....	324	54.6	4.3	6.7
Waiters and waitresses .....	1,379	78.3	5.4	11.3

See footnotes at end of table.

11. Employed persons by detailed occupation, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Occupation	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Cooks .....	2,135	40.9	16.6	21.9
Food counter, fountain and related occupations .....	339	69.1	10.3	10.8
Kitchen workers, food preparation .....	269	69.0	12.1	11.1
Waiters' and waitresses' assistants .....	559	53.4	10.7	18.8
Miscellaneous food preparation .....	650	46.8	14.0	25.6
Health service occupations .....	2,480	88.5	30.1	10.0
Dental assistants .....	230	98.1	6.1	12.1
Health aides, except nursing .....	337	78.9	24.4	9.3
Nursing aides, orderlies, and attendants .....	1,913	89.0	34.0	9.8
Cleaning and building service occupations .....	3,112	44.5	22.8	20.5
Supervisors .....	165	39.1	21.6	17.7
Maids and housemen .....	653	82.8	26.7	25.0
Janitors and cleaners .....	2,233	34.8	21.7	19.6
Pest control occupations .....	57	4.1	22.1	12.0
Personal service occupations .....	2,909	81.5	13.5	9.8
Supervisors .....	142	66.8	9.2	6.0
Barbers .....	66	18.5	39.4	11.8
Hairdressers and cosmetologists .....	763	90.8	11.3	8.2
Attendants, amusement and recreation facilities .....	215	43.2	9.3	5.6
Public transportation attendants .....	124	86.3	12.9	4.1
Welfare service aides .....	92	86.8	25.1	15.9
Family child care providers .....	486	97.1	11.2	10.7
Early childhood teachers' assistants .....	453	95.9	16.0	11.8
Precision production, craft, and repair .....	14,411	8.3	8.0	12.4
Mechanics and repairers .....	4,786	4.0	7.9	10.4
Supervisors .....	259	5.8	5.8	8.1
Mechanics and repairers, except supervisors .....	4,527	4.0	8.0	10.5
Vehicle and mobile equipment mechanics and repairers .....	1,845	1.0	7.6	12.6
Automobile mechanics .....	877	.8	8.3	13.7
Bus, truck, and stationary engine mechanics .....	334	.6	9.2	9.5
Aircraft engine mechanics .....	153	3.7	8.6	11.7
Small engine repairers .....	64	1.3	3.1	10.5
Automobile body and related repairers .....	188	.8	6.1	17.1
Heavy equipment mechanics .....	170	.2	4.7	10.5
Industrial machinery repairers .....	562	2.1	8.0	8.8
Electrical and electronic equipment repairers .....	866	11.1	10.8	9.0
Electronic repairers, communications and industrial equipment .....	187	6.7	13.2	8.4
Data processing equipment repairers .....	274	16.9	7.5	8.0
Telephone installers and repairers .....	232	12.0	11.9	9.2
Miscellaneous electrical and electronic equipment repairers .....	83	7.2	10.6	10.3
Heating, air conditioning, and refrigeration mechanics .....	323	1.5	5.8	9.0
Miscellaneous mechanics and repairers .....	916	5.0	7.2	9.2
Office machine repairers .....	62	2.1	7.6	7.0
Millwrights .....	83	1.5	7.1	5.2
Construction trades .....	5,594	2.0	7.1	14.0
Supervisors .....	755	1.3	4.7	8.2
Construction trades, except supervisors .....	4,839	2.0	7.5	14.9
Brickmasons and stonemasons .....	195	1.2	17.8	13.3
Tile setters, hard and soft .....	63	1.0	9.1	23.0
Carpet installers .....	135	1.6	4.7	18.0
Carpenters .....	1,346	1.2	5.3	13.7
Drywall installers .....	180	2.2	4.7	22.2
Electricians .....	806	1.9	6.9	7.9
Electrical power installers and repairers .....	141	.7	12.3	11.2
Painters, construction and maintenance .....	590	4.7	7.0	24.4
Plumbers, pipefitters, and steamfitters .....	531	.9	7.0	10.8
Concrete and terrazzo finishers .....	83	.4	25.2	20.4
Glaziers .....	54	4.4	4.2	11.0
Insulation workers .....	55	6.4	8.7	27.5
Roofers .....	241	.8	9.7	22.1
Structural metalworkers .....	63	1.5	5.4	6.8
Extractive occupations .....	125	1.4	7.0	11.8
Precision production occupations .....	3,907	23.0	9.5	12.7
Supervisors .....	1,221	18.2	10.9	9.8
Precision metalworking .....	948	6.6	5.6	8.9
Tool and die makers .....	138	.2	1.9	4.5
Machinists .....	535	5.7	6.2	8.6
Sheet-metal workers .....	127	4.1	5.9	8.0
Precision woodworking occupations .....	130	9.9	6.8	15.0

See footnotes at end of table.



11. Employed persons by detailed occupation, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Occupation	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Cabinet makers and bench carpenters .....	89	5.5	3.8	13.6
Precision textile, apparel, and furnishings machine workers .....	218	46.7	12.4	20.5
Dressmakers .....	67	88.5	10.4	14.4
Tailors .....	50	33.1	15.6	18.8
Upholsterers .....	71	21.8	10.7	24.9
Precision workers, assorted materials .....	552	55.7	10.5	15.8
Optical goods workers .....	79	55.4	7.8	5.2
Dental laboratory and medical appliance technicians .....	54	23.0	6.8	12.6
Electrical and electronic equipment assemblers .....	342	67.8	13.5	17.7
Precision food production occupations .....	435	34.7	11.2	25.8
Butchers and meat cutters .....	234	20.5	12.2	32.0
Bakers .....	152	44.9	12.7	17.6
Precision inspectors, testers, and related workers .....	143	23.1	10.4	7.5
Inspectors, testers, and graders .....	137	23.5	10.8	7.6
Plant and system operators .....	259	2.6	11.3	7.0
Water and sewage treatment plant operators .....	55	4.7	9.4	5.8
Stationary engineers .....	130	1.1	14.6	6.8
<b>Operators, fabricators, and laborers .....</b>	<b>18,256</b>	<b>24.6</b>	<b>15.7</b>	<b>16.0</b>
Machine operators, assemblers, and inspectors .....	7,791	37.3	15.4	17.2
Machine operators and tenders, except precision .....	4,931	37.5	16.0	18.5
Metalworking and plastic working machine operators .....	409	17.4	10.3	11.7
Lathe and turning machine operators .....	51	17.0	5.1	11.7
Punching and stamping press machine operators .....	107	31.1	10.2	9.8
Grinding, abrading, buffing, and polishing machine operators .....	128	10.1	8.6	17.9
Metal and plastic processing machine operators .....	164	21.5	11.4	10.7
Molding and casting machine operators .....	106	26.4	10.4	7.6
Woodworking machine operators .....	149	16.1	14.6	13.2
Sawing machine operators .....	90	12.6	15.8	11.3
Printing machine operators .....	395	26.8	9.5	12.8
Printing press operators .....	298	19.4	10.9	14.1
Textile, apparel, and furnishings machine operators .....	954	72.1	19.4	25.1
Winding and twisting machine operators .....	53	71.0	30.7	3.7
Textile sewing machine operators .....	511	82.1	16.4	30.2
Pressing machine operators .....	91	81.0	27.8	35.2
Laundering and dry cleaning machine operators .....	199	52.8	19.1	21.9
Machine operators, assorted materials .....	2,840	32.2	16.9	18.9
Packaging and filling machine operators .....	401	60.3	19.9	30.8
Mixing and blending machine operators .....	124	9.5	23.1	19.1
Separating, filtering, and clarifying machine operators .....	55	10.4	20.5	10.8
Painting and paint spraying machine operators .....	212	13.6	12.5	20.4
Furnace, kiln, and oven operators, except food .....	83	3.5	9.6	12.1
Slicing and cutting machine operators .....	184	24.4	11.9	24.2
Photographic process machine operators .....	102	59.2	12.0	10.0
Fabricators, assemblers, and hand working occupations .....	2,090	33.1	14.3	14.5
Welders and cutters .....	588	5.1	7.6	14.0
Assemblers .....	1,319	43.1	17.9	15.1
Miscellaneous hand working occupations .....	85	64.1	5.1	5.5
Production inspectors, testers, samplers, and weighers .....	770	48.0	14.8	16.3
Production inspectors, checkers, and examiners .....	522	49.5	12.9	13.6
Production testers .....	56	22.0	10.0	8.6
Graders and sorters, except agricultural .....	185	51.9	21.6	25.9
<b>Transportation and material moving occupations .....</b>	<b>5,363</b>	<b>10.2</b>	<b>16.3</b>	<b>11.9</b>
Motor vehicle operators .....	4,069	11.5	16.2	12.0
Supervisors .....	88	24.4	15.9	5.2
Truck drivers .....	3,012	5.3	14.9	12.0
Drivers-sales workers .....	159	9.4	10.8	9.7
Bus drivers .....	471	50.4	20.3	11.2
Taxicab drivers and chauffeurs .....	273	10.5	26.5	15.0
Parking lot attendants .....	62	10.8	22.2	23.8
Transportation occupations, except motor vehicles .....	167	4.1	17.3	3.8
Rail transportation .....	104	5.1	21.3	3.0
Railroad conductors and yardmasters .....	50	2.7	15.6	4.2
Water transportation .....	63	2.6	10.6	5.0
Material moving equipment operators .....	1,127	6.2	16.2	12.8
Operating engineers .....	245	2.2	7.4	6.8
Crane and tower operators .....	67	6.3	19.3	4.6
Excavating and loading machine operators .....	104	.4	4.8	7.9
Grader, dozer, and scraper operators .....	75	2.7	10.6	4.2

See footnotes at end of table.

11. Employed persons by detailed occupation, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Occupation	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Industrial truck and tractor equipment operators .....	534	8.9	22.7	18.3
Handlers, equipment cleaners, helpers, and laborers .....	5,102	20.3	15.6	18.4
Helpers, construction and extractive occupations .....	126	3.5	6.9	32.4
Helpers, construction trades .....	122	3.6	6.3	33.3
Construction laborers .....	821	4.5	11.8	23.5
Production helpers .....	54	25.0	12.7	29.3
Freight, stock, and material handlers .....	1,988	23.7	17.4	14.3
Stock handlers and baggers .....	1,183	29.7	13.1	14.4
Machine feeders and offbearers .....	77	39.2	23.3	10.7
Garage and service station related occupations .....	180	4.1	10.8	10.7
Vehicle washers and equipment cleaners .....	297	9.8	19.5	27.2
Hand packers and packagers .....	290	63.6	13.1	25.6
Laborers, except construction .....	1,298	21.8	16.6	16.6
Farming, forestry, and fishing .....	3,502	19.1	4.9	22.6
Farm operators and managers .....	1,187	23.1	1.3	2.4
Farmers, except horticultural .....	935	25.1	.7	.8
Horticultural specialty farmers .....	69	7.8	8.5	17.9
Managers, farms, except horticultural .....	170	18.9	2.2	5.1
Other agricultural and related occupations .....	2,171	17.7	6.8	34.8
Farm occupations, except managerial .....	903	17.9	4.2	44.3
Farm workers .....	835	17.2	4.2	44.9
Related agricultural occupations .....	1,268	17.6	8.6	28.0
Supervisors .....	142	9.6	1.6	22.9
Groundskeepers and gardeners, except farm .....	924	7.2	10.7	29.2
Animal caretakers, except farm .....	130	69.4	3.1	6.6
Graders and sorters, agricultural products .....	69	74.9	5.6	64.2
Forestry and logging occupations .....	91	6.7	8.1	6.9
Timber cutting and logging occupations .....	60	3.0	11.3	2.5
Fishers, hunters, and trappers .....	53	4.6	3.6	3.9

NOTE: Generally, data for occupations with fewer than 50,000 employed are not published separately but are included in the totals for the appropriate categories shown. Beginning in January 1998, data reflect new composite

estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**12. 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	
	1997	1998	1997	1998	1997	1998	1997	1998
<b>SEX</b>								
Total (all civilian workers) .....	129,558	131,463	109,856	110,931	13,969	14,556	12,726	13,291
Men .....	69,685	70,693	59,998	60,604	6,607	6,871	7,728	8,018
Women .....	59,873	60,771	49,859	50,327	7,362	7,685	4,999	5,273
<b>OCCUPATION</b>								
Managerial and professional specialty .....	37,686	38,937	33,089	34,063	2,764	2,947	1,867	1,933
Executive, administrative, and managerial .....	18,440	19,054	16,420	16,903	1,267	1,368	1,001	1,028
Professional specialty .....	19,245	19,883	16,669	17,160	1,497	1,579	866	905
Technical, sales, and administrative support .....	38,309	38,521	32,624	32,490	4,032	4,264	3,026	3,186
Technicians and related support .....	4,214	4,261	3,571	3,557	410	441	256	283
Sales occupations .....	15,734	15,850	13,730	13,704	1,271	1,415	1,198	1,245
Administrative support, including clerical .....	18,361	18,410	15,323	15,229	2,352	2,408	1,572	1,657
Service occupations .....	17,537	17,836	13,604	13,807	3,092	3,148	2,560	2,670
Private household .....	795	847	642	704	129	116	212	262
Protective service .....	2,300	2,417	1,800	1,892	430	463	202	204
Service, except private household and protective .....	14,442	14,572	11,162	11,211	2,533	2,569	2,146	2,204
Precision production, craft, and repair .....	14,124	14,411	12,472	12,729	1,144	1,158	1,714	1,793
Mechanics and repairers .....	4,675	4,786	4,146	4,233	370	379	479	496
Construction trades .....	5,378	5,594	4,859	5,054	381	398	736	785
Other precision production, craft, and repair .....	4,071	4,031	3,467	3,441	393	381	499	512
Operators, fabricators, and laborers .....	18,399	18,256	14,813	14,609	2,781	2,866	2,839	2,917
Machine operators, assemblers, and inspectors .....	7,962	7,791	6,322	6,146	1,178	1,200	1,426	1,340
Transportation and material moving occupations .....	5,389	5,363	4,435	4,351	819	872	592	640
Handlers, equipment cleaners, helpers, and laborers .....	5,048	5,102	4,057	4,112	784	795	821	938
Construction laborers .....	811	821	681	705	105	97	166	193
Other handlers, equipment cleaners, helpers, and laborers .....	4,237	4,282	3,376	3,407	679	698	655	745
Farming, forestry, and fishing .....	3,503	3,502	3,254	3,233	156	172	721	792
<b>CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,890	2,000	1,761	1,843	81	102	583	670
Self-employed workers .....	1,457	1,341	1,397	1,280	36	36	76	71
Unpaid family workers .....	51	38	50	37	-	-	1	2
Nonagricultural industries:								
Wage and salary workers .....	116,983	119,019	98,395	99,657	13,380	13,917	11,458	11,949
Government .....	18,131	18,383	14,514	14,686	2,860	2,877	1,331	1,355
Private industries .....	98,852	100,637	83,880	84,970	10,520	11,040	10,127	10,594
Private households .....	915	962	724	785	161	146	234	281
Other industries .....	97,937	99,674	83,156	84,185	10,359	10,894	9,893	10,312
Self-employed workers .....	9,056	8,962	8,153	8,030	471	497	598	590
Unpaid family workers .....	120	103	101	84	1	4	11	10
<b>FULL- OR PART-TIME STATUS</b>								
Full-time workers .....	106,334	108,202	89,605	90,759	11,920	12,429	10,741	11,303
Part-time workers .....	23,224	23,261	20,252	20,172	2,049	2,126	1,985	1,988

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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

Category	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1997	1998	1997	1998	1997	1998	1997	1998
<b>SEX</b>								
Total (all civilian workers) .....	12,726	13,291	7,884	8,431	1,166	1,145	603	612
Men .....	7,728	8,018	4,941	5,291	654	615	364	371
Women .....	4,999	5,273	2,943	3,140	512	529	239	241
<b>OCCUPATION</b>								
Managerial and professional specialty .....	1,867	1,933	946	985	206	208	171	159
Executive, administrative, and managerial .....	1,001	1,028	508	536	103	103	102	89
Professional specialty .....	866	905	438	449	103	105	69	70
Technical, sales, and administrative support .....	3,026	3,186	1,728	1,845	347	365	197	210
Technicians and related support .....	256	283	140	156	30	30	18	28
Sales occupations .....	1,198	1,245	680	729	112	118	88	94
Administrative support, including clerical .....	1,572	1,657	908	961	204	217	91	88
Service occupations .....	2,560	2,670	1,524	1,653	231	217	75	85
Private household .....	212	262	99	130	5	6	5	3
Protective service .....	202	204	106	106	47	39	9	13
Service, except private household and protective .....	2,146	2,204	1,319	1,417	179	172	62	69
Precision production, craft, and repair .....	1,714	1,793	1,185	1,199	127	119	55	66
Mechanics and repairers .....	479	496	303	311	50	38	30	28
Construction trades .....	736	785	542	554	42	33	16	23
Other precision production, craft, and repair .....	499	512	340	334	36	48	10	15
Operators, fabricators, and laborers .....	2,839	2,917	1,887	2,047	243	223	96	85
Machine operators, assemblers, and inspectors .....	1,426	1,340	957	955	119	105	33	24
Transportation and material moving occupations .....	592	640	370	422	64	53	36	38
Handlers, equipment cleaners, helpers, and laborers .....	821	938	561	671	61	64	28	24
Construction laborers .....	166	193	121	149	6	9	4	3
Other handlers, equipment cleaners, helpers, and laborers .....	655	745	439	521	55	55	23	21
Farming, forestry, and fishing .....	721	792	614	703	12	13	8	7
<b>CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	583	670	519	605	6	9	2	5
Self-employed workers .....	76	71	52	56	—	1	2	2
Unpaid family workers .....	1	2	1	1	—	—	—	—
Nonagricultural industries:								
Wage and salary workers .....	11,458	11,949	6,949	7,410	1,121	1,100	558	574
Government .....	1,331	1,355	821	833	188	180	58	60
Private industries .....	10,127	10,594	6,128	6,577	933	920	500	515
Private households .....	234	281	109	139	6	7	5	3
Other industries .....	9,893	10,312	6,019	6,438	927	913	495	511
Self-employed workers .....	598	590	356	351	36	34	41	31
Unpaid family workers .....	11	10	8	8	—	—	—	—
<b>FULL- OR PART-TIME STATUS</b>								
Full-time workers .....	10,741	11,303	6,672	7,166	958	969	517	531
Part-time workers .....	1,985	1,988	1,212	1,265	208	176	86	81

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

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**14. Employed persons in nonagricultural industries by age, sex, and race**

(In thousands)

Age, sex, and race	1998									
	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services <sup>1</sup>	Public administration
			Total	Durable goods	Non-durable goods					
<b>Total</b>										
Total, 16 years and over .....	620	8,518	20,733	12,566	8,168	9,307	27,203	8,605	47,212	5,887
16 to 19 years .....	13	279	431	243	188	150	3,806	177	1,887	47
20 years and over .....	607	8,239	20,302	12,322	7,980	9,157	23,397	8,428	45,325	5,839
20 to 24 years .....	35	825	1,614	972	642	654	3,909	708	4,228	245
25 years and over .....	572	7,414	18,688	11,350	7,338	8,503	19,488	7,720	41,097	5,595
25 to 54 years .....	499	6,533	16,242	9,866	6,376	7,409	16,478	6,518	34,645	4,829
55 years and over .....	73	881	2,446	1,484	962	1,093	3,010	1,202	6,452	766
<b>Men, 16 years and over .....</b>	<b>535</b>	<b>7,721</b>	<b>14,138</b>	<b>9,140</b>	<b>4,998</b>	<b>6,598</b>	<b>14,367</b>	<b>3,552</b>	<b>17,906</b>	<b>3,323</b>
16 to 19 years .....	9	263	298	180	118	98	1,847	55	764	21
20 years and over .....	526	7,458	13,840	8,960	4,880	6,500	12,520	3,498	17,142	3,302
20 to 24 years .....	31	769	1,103	710	393	437	2,011	234	1,654	123
25 years and over .....	495	6,689	12,737	8,250	4,487	6,063	10,509	3,264	15,488	3,179
25 to 54 years .....	433	5,906	11,054	7,157	3,897	5,229	8,928	2,627	12,774	2,753
55 years and over .....	62	783	1,683	1,093	590	834	1,581	636	2,714	425
<b>Women, 16 years and over .....</b>	<b>85</b>	<b>798</b>	<b>6,595</b>	<b>3,426</b>	<b>3,169</b>	<b>2,709</b>	<b>12,836</b>	<b>5,053</b>	<b>29,306</b>	<b>2,564</b>
16 to 19 years .....	4	16	134	64	70	52	1,958	122	1,123	27
20 years and over .....	81	782	6,462	3,362	3,099	2,658	10,878	4,930	28,183	2,537
20 to 24 years .....	4	56	510	262	249	218	1,898	474	2,574	122
25 years and over .....	77	725	5,951	3,101	2,851	2,440	8,980	4,456	25,609	2,416
25 to 54 years .....	66	627	5,188	2,709	2,479	2,180	7,551	3,890	21,871	2,075
55 years and over .....	11	99	763	391	372	260	1,429	566	3,738	340
<b>White</b>										
<b>Men, 16 years and over .....</b>	<b>501</b>	<b>7,028</b>	<b>12,136</b>	<b>7,941</b>	<b>4,195</b>	<b>5,389</b>	<b>12,276</b>	<b>3,105</b>	<b>15,023</b>	<b>2,768</b>
16 to 19 years .....	9	249	263	160	103	75	1,594	45	659	16
20 years and over .....	493	6,779	11,874	7,781	4,093	5,314	10,682	3,060	14,365	2,752
20 to 24 years .....	28	711	925	597	328	363	1,731	193	1,343	105
25 years and over .....	465	6,068	10,949	7,184	3,765	4,951	8,951	2,867	13,022	2,647
25 to 54 years .....	404	5,356	9,468	6,215	3,252	4,234	7,541	2,274	10,638	2,276
55 years and over .....	61	712	1,481	969	513	716	1,410	593	2,384	371
<b>Women, 16 years and over .....</b>	<b>78</b>	<b>734</b>	<b>5,360</b>	<b>2,847</b>	<b>2,513</b>	<b>2,127</b>	<b>10,912</b>	<b>4,241</b>	<b>24,177</b>	<b>1,915</b>
16 to 19 years .....	3	16	120	58	63	41	1,668	98	963	21
20 years and over .....	75	718	5,239	2,790	2,450	2,086	9,244	4,143	23,214	1,894
20 to 24 years .....	4	53	415	218	196	173	1,572	371	2,112	95
25 years and over .....	71	665	4,824	2,571	2,253	1,913	7,672	3,772	21,102	1,799
25 to 54 years .....	60	575	4,168	2,226	1,943	1,685	6,365	3,249	17,953	1,511
55 years and over .....	11	90	656	345	311	228	1,307	523	3,148	289
<b>Black</b>										
<b>Men, 16 years and over .....</b>	<b>24</b>	<b>498</b>	<b>1,374</b>	<b>779</b>	<b>595</b>	<b>949</b>	<b>1,326</b>	<b>294</b>	<b>1,854</b>	<b>434</b>
16 to 19 years .....	-	11	28	15	13	18	194	6	74	4
20 years and over .....	24	487	1,346	764	582	930	1,132	289	1,780	430
20 to 24 years .....	3	40	132	82	50	61	200	26	197	15
25 years and over .....	20	448	1,214	681	532	869	931	263	1,583	415
25 to 54 years .....	20	392	1,086	600	486	780	839	236	1,362	377
55 years and over .....	1	55	128	82	46	89	93	27	221	38
<b>Women, 16 years and over .....</b>	<b>4</b>	<b>48</b>	<b>811</b>	<b>360</b>	<b>451</b>	<b>457</b>	<b>1,290</b>	<b>605</b>	<b>3,914</b>	<b>536</b>
16 to 19 years .....	-	1	11	4	6	10	225	15	128	5
20 years and over .....	4	48	801	356	444	447	1,065	590	3,786	531
20 to 24 years .....	-	1	72	29	42	35	254	79	344	21
25 years and over .....	4	46	729	327	402	412	810	511	3,441	510
25 to 54 years .....	4	39	658	293	365	387	743	484	2,968	470
55 years and over .....	-	7	71	34	37	25	68	28	473	41

<sup>1</sup> Includes private households.

procedures and revised population controls used in the household survey.

NOTE: Beginning in January 1998, data reflect new composite estimation

15. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker

(In thousands)

Age and sex	1998									
	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 .....	2,000	1,341	38	119,019	100,637	962	99,674	18,383	8,962	103
16 to 19 years .....	219	30	13	6,726	6,400	116	6,285	325	57	8
16 to 17 years .....	104	21	5	2,602	2,500	70	2,431	102	25	4
18 to 19 years .....	114	8	8	4,124	3,900	46	3,854	223	32	3
20 to 24 years .....	300	34	6	11,968	10,962	91	10,872	1,005	242	8
25 to 34 years .....	531	179	8	29,146	25,458	166	25,292	3,688	1,513	18
35 to 44 years .....	473	314	5	32,750	27,470	221	27,249	5,280	2,710	26
45 to 54 years .....	275	319	2	24,565	19,095	190	18,905	5,470	2,403	23
55 to 64 years .....	149	245	2	11,066	8,878	104	8,774	2,187	1,399	12
65 years and over .....	53	221	3	2,800	2,373	74	2,298	427	639	9
Men, 16 years and over .....	1,526	1,005	23	62,630	54,452	86	54,366	8,178	5,480	29
16 to 19 years .....	170	24	10	3,319	3,176	18	3,158	143	30	5
16 to 17 years .....	82	18	4	1,278	1,227	10	1,217	51	13	3
18 to 19 years .....	88	6	7	2,041	1,949	8	1,941	92	17	3
20 to 24 years .....	246	25	4	6,224	5,789	8	5,781	435	134	4
25 to 34 years .....	409	135	5	15,673	13,987	15	13,971	1,686	872	3
35 to 44 years .....	356	242	1	17,416	15,131	16	15,115	2,285	1,612	6
45 to 54 years .....	190	230	-	12,616	10,222	12	10,210	2,394	1,504	4
55 to 64 years .....	110	172	1	5,868	4,838	7	4,831	1,030	898	3
65 years and over .....	44	176	1	1,514	1,309	9	1,300	205	432	3
Women, 16 years and over .....	474	336	15	56,389	46,185	876	45,308	10,205	3,482	74
16 to 19 years .....	49	6	3	3,406	3,224	97	3,127	182	26	2
16 to 17 years .....	22	4	2	1,324	1,273	59	1,214	51	12	2
18 to 19 years .....	27	2	-	2,083	1,951	38	1,913	131	15	1
20 to 24 years .....	54	9	2	5,743	5,173	82	5,091	570	108	4
25 to 34 years .....	123	44	3	13,473	11,471	151	11,320	2,002	641	14
35 to 44 years .....	116	71	3	15,334	12,339	205	12,134	2,995	1,098	20
45 to 54 years .....	85	89	2	11,949	8,873	178	8,695	3,076	899	19
55 to 64 years .....	38	73	1	5,198	4,040	97	3,944	1,158	501	9
65 years and over .....	9	44	2	1,286	1,064	66	998	222	208	5

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**16. Employed persons in nonagricultural industries by sex and class of worker**

(In thousands)

Industry and sex	1998					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Private industries	Government		
<b>TOTAL</b>						
Mining .....	620	599	597	2	21	-
Construction .....	8,518	6,986	6,512	474	1,519	14
Manufacturing .....	20,733	20,300	20,232	68	428	6
Durable goods .....	12,566	12,309	12,254	55	253	4
Nondurable goods .....	8,168	7,991	7,978	13	175	2
Transportation and public utilities .....	9,307	8,872	7,278	1,594	430	5
Wholesale and retail trade .....	27,203	25,526	25,411	116	1,640	36
Wholesale trade .....	5,090	4,789	4,776	13	298	3
Retail trade .....	22,113	20,737	20,634	103	1,342	34
Finance, insurance, and real estate .....	8,605	7,990	7,784	206	609	6
Services .....	47,212	42,859	32,823	10,036	4,317	36
Private households .....	967	962	962	-	5	-
Other service industries .....	46,244	41,897	31,861	10,036	4,311	36
Business, automobile, and repair .....	8,708	7,356	7,289	67	1,340	12
Personal, except private households .....	3,484	2,807	2,800	7	671	5
Entertainment and recreation .....	2,530	2,252	1,957	295	277	1
Professional .....	31,392	29,389	19,767	9,622	1,985	19
Hospitals .....	5,116	5,108	4,374	734	8	-
Health services, except hospitals .....	6,388	5,991	5,569	422	389	8
Educational .....	10,468	10,358	2,585	7,773	109	1
Social services .....	3,240	2,676	2,119	557	560	4
Other .....	6,181	5,256	5,120	137	919	5
Forestry and fisheries .....	131	92	48	45	38	-
Public administration .....	5,887	5,887	-	5,887	-	-
<b>Men</b>						
Mining .....	535	518	518	1	16	-
Construction .....	7,721	6,299	5,884	415	1,421	1
Manufacturing .....	14,138	13,850	13,801	49	285	3
Durable goods .....	9,140	8,941	8,899	42	196	2
Nondurable goods .....	4,998	4,909	4,902	7	89	1
Transportation and public utilities .....	6,598	6,241	5,150	1,090	356	1
Wholesale and retail trade .....	14,367	13,460	13,412	47	893	14
Wholesale trade .....	3,564	3,344	3,335	9	220	-
Retail trade .....	10,803	10,116	10,078	38	673	14
Finance, insurance, and real estate .....	3,552	3,171	3,065	106	382	-
Services .....	17,906	15,769	12,622	3,147	2,127	9
Private households .....	90	86	86	-	4	-
Other service industries .....	17,816	15,683	12,536	3,147	2,123	9
Business, automobile, and repair .....	5,520	4,628	4,589	39	890	3
Personal, except private households .....	1,232	1,023	1,020	3	208	1
Entertainment and recreation .....	1,391	1,230	1,050	180	160	1
Professional .....	9,568	8,733	5,838	2,895	830	5
Hospitals .....	1,213	1,210	971	239	2	-
Health services, except hospitals .....	1,344	1,123	1,034	89	220	2
Educational .....	3,271	3,238	896	2,342	32	1
Social services .....	589	563	422	141	24	2
Other .....	3,151	2,599	2,515	84	552	-
Forestry and fisheries .....	104	70	39	31	35	-
Public administration .....	3,323	3,323	-	3,323	-	-
<b>Women</b>						
Mining .....	85	80	79	1	4	-
Construction .....	798	687	628	59	98	13
Manufacturing .....	6,595	6,450	6,431	19	143	2
Durable goods .....	3,426	3,368	3,355	14	56	1
Nondurable goods .....	3,169	3,082	3,076	6	86	1
Transportation and public utilities .....	2,709	2,632	2,128	504	74	4
Wholesale and retail trade .....	12,836	12,066	11,998	68	748	22
Wholesale trade .....	1,526	1,445	1,442	3	78	3
Retail trade .....	11,310	10,621	10,556	65	669	19
Finance, insurance, and real estate .....	5,053	4,820	4,719	100	227	6
Services .....	29,306	27,090	20,201	6,889	2,189	27
Private households .....	877	876	876	-	1	-
Other service industries .....	28,428	26,213	19,325	6,889	2,188	27
Business, automobile, and repair .....	3,188	2,729	2,700	29	450	9
Personal, except private households .....	2,252	1,785	1,781	4	463	4
Entertainment and recreation .....	1,138	1,021	906	115	117	-
Professional .....	21,824	20,656	13,929	6,727	1,154	14
Hospitals .....	3,903	3,897	3,403	495	5	-
Health services, except hospitals .....	5,044	4,868	4,535	333	169	6
Educational .....	7,196	7,120	1,689	5,431	76	-
Social services .....	2,651	2,113	1,697	416	536	2
Other .....	3,029	2,657	2,605	52	367	5
Forestry and fisheries .....	27	23	9	14	4	-
Public administration .....	2,564	2,564	-	2,564	-	-

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

17. Employed persons by industry, sex, race, and occupation

(In thousands)

Industry and sex	1998												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
<b>TOTAL</b>													
Agriculture .....	3,378	110	105	51	23	136	-	21	39	20	42	19	2,814
Mining .....	620	101	63	19	11	53	-	8	208	31	105	18	1
Construction .....	8,518	1,380	144	47	56	415	-	28	4,889	94	535	910	21
Manufacturing .....	20,733	3,008	2,007	646	764	1,982	-	291	3,956	6,219	765	1,019	76
Durable goods .....	12,566	1,796	1,351	430	318	1,127	-	150	2,807	3,594	415	509	71
Nondurable goods .....	8,168	1,212	656	217	446	856	-	141	1,150	2,625	350	510	5
Transportation and public utilities .....	9,307	1,307	561	324	273	2,349	-	296	1,285	135	2,243	522	13
Wholesale and retail trade .....	27,203	2,538	590	231	11360	2,194	-	5,182	1,522	367	1,068	2,049	101
Wholesale trade .....	5,090	622	131	43	2,054	756	-	57	346	137	493	380	71
Retail trade .....	22,113	1,916	459	188	9,306	1,438	-	5,125	1,177	230	575	1,670	30
Finance, insurance, and real estate .....	8,605	2,489	356	166	2,143	2,860	-	323	177	12	13	17	49
Services .....	47,212	6,793	15,090	2,541	1,197	7,118	847	9,117	2,154	887	551	516	399
Private households .....	967	6	6	1	1	9	847	56	3	1	4	7	26
Other service industries .....	46,244	6,787	15,084	2,540	1,196	7,109	-	9,061	2,151	887	548	509	374
Professional services .....	31,392	4,164	13,122	2,132	213	5,132	-	5,485	473	195	294	99	85
Public administration .....	5,887	1,329	968	234	25	1,302	-	1,722	182	27	40	30	27
<b>Men</b>													
Agriculture .....	2,553	62	71	10	15	7	-	12	38	17	40	16	2,266
Mining .....	535	76	59	16	6	14	-	6	205	30	103	18	1
Construction .....	7,721	1,131	124	39	47	46	-	19	4,809	91	522	871	21
Manufacturing .....	14,138	2,024	1,520	483	501	676	-	213	3,319	3,897	702	731	72
Durable goods .....	9,140	1,257	1,117	348	232	396	-	111	2,348	2,493	380	389	68
Nondurable goods .....	4,998	767	403	135	269	280	-	102	970	1,405	322	342	3
Transportation and public utilities .....	6,598	843	405	270	147	969	-	137	1,214	110	2,037	454	12
Wholesale and retail trade .....	14,367	1,459	276	94	5,452	522	-	2,460	1,323	215	990	1,529	47
Wholesale trade .....	3,564	402	86	35	1,546	212	-	43	327	100	474	309	29
Retail trade .....	10,803	1,057	190	58	3,906	309	-	2,417	996	115	517	1,220	18
Finance, insurance, and real estate .....	3,552	1,146	191	69	1,188	489	-	226	167	6	12	14	46
Services .....	17,906	3,167	6,085	856	507	948	46	2,700	1,963	495	377	411	351
Private households .....	90	3	-	-	-	1	46	3	3	-	3	7	24
Other service industries .....	17,816	3,164	6,084	856	507	947	-	2,697	1,960	495	375	404	327
Professional services .....	9,568	1,637	4,894	549	65	499	-	1,155	411	87	139	64	69
Public administration .....	3,323	677	551	139	12	271	-	1,402	170	20	36	25	20
<b>Women</b>													
Agriculture .....	825	47	34	41	8	129	-	9	-	3	2	3	548
Mining .....	85	25	4	4	5	40	-	2	2	-	3	-	-
Construction .....	798	249	19	8	8	369	-	9	80	2	13	39	1
Manufacturing .....	6,595	984	486	163	263	1,307	-	78	638	2,321	63	288	4
Durable goods .....	3,426	539	233	82	86	731	-	39	458	1,101	35	120	3
Nondurable goods .....	3,169	445	253	81	177	576	-	39	180	1,220	28	168	2
Transportation and public utilities .....	2,709	464	156	54	126	1,379	-	159	71	25	206	68	1
Wholesale and retail trade .....	12,836	1,079	314	137	5,908	1,672	-	2,722	199	151	78	520	55
Wholesale trade .....	1,526	220	45	8	508	544	-	14	18	37	19	71	43
Retail trade .....	11,310	859	269	130	5,400	1,129	-	2,708	181	114	59	450	12
Finance, insurance, and real estate .....	5,053	1,344	165	97	955	2,371	-	97	10	6	1	3	3
Services .....	29,306	3,626	9,006	1,685	689	6,170	801	6,417	191	393	174	105	48
Private households .....	877	3	6	1	1	8	801	54	-	-	1	1	1
Other service industries .....	28,428	3,623	9,000	1,683	688	6,162	-	6,364	191	392	173	105	47
Professional services .....	21,824	2,527	8,228	1,583	148	4,632	-	4,330	62	108	155	34	16
Public administration .....	2,564	652	417	96	13	1,032	-	320	12	7	4	6	7

See footnotes at end of table.



17. Employed persons by industry, sex, race, and occupation — Continued

(In thousands)

Industry and sex	1998												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
<b>White</b>													
Agriculture .....	3,160	101	102	51	23	132	—	14	35	19	37	17	2,629
Mining .....	579	96	60	19	11	50	—	8	194	29	96	15	1
Construction .....	7,761	1,305	129	41	52	387	—	23	4,462	83	470	793	17
Manufacturing .....	17,496	2,794	1,742	536	702	1,744	—	227	3,414	4,878	593	800	66
Durable goods .....	10,788	1,683	1,151	359	299	1,004	—	126	2,450	2,904	322	430	61
Nondurable goods .....	6,708	1,111	591	178	403	740	—	101	964	1,975	271	370	4
Transportation and public utilities .....	7,516	1,142	476	286	229	1,798	—	223	1,093	107	1,776	374	11
Wholesale and retail trade .....	23,189	2,189	541	191	9,734	1,888	—	4,312	1,362	306	896	1,682	88
Wholesale trade .....	4,501	546	122	34	1,895	658	—	43	311	110	412	312	60
Retail trade .....	18,687	1,644	419	157	7,839	1,230	—	4,269	1,051	196	484	1,370	28
Finance, insurance, and real estate .....	7,346	2,178	291	143	1,933	2,335	—	253	142	9	10	12	40
Services .....	39,200	6,021	13,025	2,097	1,002	5,895	704	6,685	1,876	697	447	392	359
Private households .....	790	4	5	1	1	7	704	34	3	—	4	6	22
Other service industries .....	38,410	6,016	13,020	2,096	1,001	5,888	—	6,651	1,873	697	443	387	338
Professional services .....	26,094	3,671	11,333	1,752	178	4,295	—	3,916	409	158	234	73	75
Public administration .....	4,683	1,077	795	193	18	1,000	—	1,357	151	17	28	25	21
<b>Black</b>													
Agriculture .....	138	4	2	—	—	1	—	5	—	—	3	2	122
Mining .....	28	2	2	1	—	3	—	—	10	1	7	2	—
Construction .....	546	46	4	2	2	21	—	5	303	7	55	98	4
Manufacturing .....	2,185	103	94	57	38	165	—	56	359	981	148	175	9
Durable goods .....	1,139	51	65	31	10	77	—	21	216	511	81	68	8
Nondurable goods .....	1,046	52	30	25	28	88	—	35	143	470	67	107	—
Transportation and public utilities .....	1,406	112	45	25	38	406	—	57	158	22	408	133	1
Wholesale and retail trade .....	2,616	193	21	21	1,053	217	—	535	103	44	145	279	5
Wholesale trade .....	379	46	2	6	79	68	—	11	23	21	70	48	4
Retail trade .....	2,237	147	18	15	974	149	—	524	81	22	75	231	—
Finance, insurance, and real estate .....	899	200	38	12	145	402	—	60	30	1	2	4	6
Services .....	5,767	520	1,242	295	134	953	116	1,991	170	135	91	98	22
Private households .....	146	2	—	—	—	1	116	20	—	—	—	1	4
Other service industries .....	5,621	518	1,241	295	134	952	—	1,971	170	135	91	97	18
Professional services .....	3,924	348	1,114	265	25	666	—	1,351	44	30	55	21	5
Public administration .....	970	189	132	29	6	239	—	324	24	8	12	4	5

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

procedures and revised population controls used in the household survey.

NOTE: Beginning in January 1998, data reflect new composite estimation

18. Employed persons by detailed industry, sex, race, and Hispanic origin

(Numbers in thousands)

Industry	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over .....	131,463	46.2	11.1	10.1
Agriculture .....	3,378	24.4	4.1	22.0
Agricultural production, crops .....	1,014	22.9	3.2	33.2
Agricultural production, livestock .....	1,094	23.8	1.7	9.3
Veterinary services .....	206	70.7	2.5	4.0
Landscape and horticultural services .....	881	11.4	8.6	28.5
Mining .....	620	13.7	4.6	9.0
Coal mining .....	83	3.3	3.4	.1
Oil and gas extraction .....	373	17.7	5.3	10.5
Nonmetallic mining and quarrying, except fuel .....	115	8.7	4.9	9.2
Construction .....	8,518	9.4	6.4	12.7
Manufacturing .....	20,733	31.8	10.5	11.2
Durable goods .....	12,566	27.3	9.1	9.6
Lumber and wood products, except furniture .....	863	18.3	12.4	8.9
Logging .....	133	8.5	12.5	1.4
Sawmills, planing mills, and millwork .....	442	18.4	11.0	6.7
Wood buildings and mobile homes .....	102	18.4	15.3	14.9
Miscellaneous wood products .....	186	25.2	14.3	16.1
Furniture and fixtures .....	675	30.6	8.8	13.9
Stone, clay, glass, and concrete products .....	592	21.8	10.0	10.3
Glass and glass products .....	193	25.6	6.4	8.1
Cement, concrete, gypsum, and plaster products .....	215	13.5	13.6	7.7
Structural clay, pottery, and related products .....	84	32.5	11.9	15.0
Miscellaneous nonmetallic mineral and stone products .....	100	23.6	7.7	15.9
Metal industries .....	2,134	22.0	9.2	11.1
Primary metal industries .....	741	15.4	11.3	8.9
Blast furnaces, steelworks, rolling, and finishing mills .....	302	11.5	13.4	8.3
Iron and steel foundries .....	105	14.6	19.1	7.4
Primary aluminum industries .....	145	11.4	7.6	10.0
Other primary metal industries .....	189	25.1	6.7	9.9
Fabricated metal industries .....	1,393	25.6	8.1	12.3
Cutlery, hand tools, and general hardware .....	145	38.4	7.0	9.8
Fabricated structural metal products .....	550	20.3	6.4	12.2
Screw machine products .....	85	27.1	9.9	13.5
Metal forging and stampings .....	144	28.3	7.4	5.0
Ordnance .....	53	28.6	8.8	5.5
Miscellaneous and not specified fabricated metal products .....	416	26.6	10.4	16.5
Machinery and computing equipment .....	2,481	23.1	6.3	8.0
Engines and turbines .....	72	18.3	9.1	10.2
Farm machinery and equipment .....	117	16.2	9.8	5.2
Construction and material handling machines .....	257	19.3	6.2	4.9
Metal working machinery .....	323	20.0	3.0	6.3
Computers and related equipment .....	515	31.3	7.8	8.7
Electrical machinery, equipment, and supplies .....	1,954	38.1	9.1	9.7
Household appliances .....	107	35.9	9.6	5.7
Radio, T.V., and communication equipment .....	420	34.2	10.8	9.4
Transportation equipment .....	2,391	22.7	10.9	7.7
Motor vehicles and motor vehicle equipment .....	1,313	23.6	13.8	6.5
Aircraft and parts .....	511	22.1	7.0	9.8
Ship and boat building and repairing .....	186	14.7	12.5	8.2
Guided missiles, space vehicles, and parts .....	274	24.4	6.6	9.0
Cycles and miscellaneous transportation equipment .....	72	22.7	1.5	6.8
Professional and photographic equipment, and watches .....	793	40.3	7.1	7.9
Scientific and controlling instruments .....	248	34.4	4.1	5.9
Medical, dental, and optical instruments and supplies .....	428	46.0	6.8	9.5
Photographic equipment and supplies .....	107	31.1	13.2	6.4
Toys, amusements, and sporting goods .....	165	49.4	8.3	11.4
Miscellaneous and not specified manufacturing industries .....	517	38.7	9.9	17.0
Nondurable goods .....	8,168	38.8	12.8	13.7
Food and kindred products .....	1,655	33.1	14.8	21.4
Meat products .....	439	35.4	21.5	34.2
Dairy products .....	124	27.4	9.2	9.7
Canned, frozen, and preserved fruits and vegetables .....	208	37.0	9.3	25.1
Grain mill products .....	161	28.3	6.9	14.4

See footnotes at end of table.

18. Employed persons by detailed industry, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Industry	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Bakery products .....	230	31.2	13.5	21.5
Sugar and confectionary products .....	102	44.1	16.3	20.6
Beverage industries .....	192	18.7	16.8	8.9
Miscellaneous and not specified food and kindred products .....	199	41.7	14.0	14.6
Tobacco manufactures .....	52	26.0	29.6	6.0
Textile mill products .....	595	45.4	22.7	6.6
Knitting mills .....	97	61.9	16.5	11.7
Carpets and rugs .....	85	38.0	17.3	5.6
Yarn, thread, and fabric mills .....	329	43.2	26.7	6.4
Apparel and other finished textile products .....	825	66.4	14.7	25.9
Apparel and accessories, except knit .....	678	67.2	15.7	26.6
Miscellaneous fabricated textile products .....	147	63.0	9.9	22.3
Paper and allied products .....	683	27.2	11.5	9.1
Pulp, paper, and paperboard mills .....	251	20.4	10.8	6.5
Miscellaneous paper and pulp products .....	229	34.6	7.8	12.8
Paperboard containers and boxes .....	203	27.3	16.4	8.1
Printing, publishing, and allied products .....	1,795	43.3	7.7	7.9
Newspaper publishing and printing .....	514	47.6	10.4	5.3
Printing, publishing, and allied industries, except newspapers .....	1,281	41.6	6.6	9.0
Chemicals and allied products .....	1,318	33.1	13.1	9.9
Plastics, synthetics, and resins .....	158	25.9	13.9	15.0
Drugs .....	369	44.7	12.2	9.0
Soaps and cosmetics .....	174	51.9	13.4	18.9
Paints, varnishes, and related products .....	65	24.0	11.9	10.1
Industrial and miscellaneous chemicals .....	505	21.8	14.1	5.7
Petroleum and coal products .....	178	20.7	10.4	10.5
Petroleum refining .....	141	21.0	11.2	7.8
Rubber and miscellaneous plastics products .....	957	31.9	11.7	13.5
Tires and inner tubes .....	100	10.4	13.4	4.4
Other rubber products, and plastics footwear and belting .....	147	32.8	10.5	11.1
Miscellaneous plastics products .....	711	34.7	11.7	15.2
Leather and leather products .....	108	44.5	9.5	21.3
Footwear, except rubber and plastic .....	56	49.0	9.3	16.7
Transportation, communications, and other public utilities .....	9,307	29.1	15.1	9.5
Transportation .....	6,006	27.0	16.1	10.6
Railroads .....	302	11.8	17.4	5.7
Bus service and urban transit .....	580	36.3	22.4	12.1
Taxicab service .....	136	9.9	34.2	14.5
Trucking service .....	2,413	14.6	14.4	10.5
Warehousing and storage .....	169	30.6	17.7	15.0
U.S. Postal Service .....	893	37.6	22.2	8.0
Water transportation .....	218	21.6	11.7	11.5
Air transportation .....	868	37.9	12.7	9.5
Services incidental to transportation .....	416	59.7	6.1	17.4
Communications .....	1,806	41.6	15.0	8.5
Radio and television broadcasting and cable .....	479	39.7	12.9	7.8
Telephone communications .....	1,306	42.3	15.9	8.7
Utilities and sanitary services .....	1,496	22.3	11.1	6.5
Electric light and power .....	611	19.9	9.7	4.1
Gas and steam supply systems .....	171	25.9	11.0	5.7
Electric and gas, and other combinations .....	155	30.9	7.1	7.2
Water supply and irrigation .....	247	24.7	11.4	8.3
Sanitary services .....	296	17.7	16.0	9.2
Wholesale and retail trade .....	27,203	47.2	9.6	11.4
Wholesale trade .....	5,090	30.0	7.4	10.8
Durable goods .....	2,773	28.5	6.1	7.8
Motor vehicles and equipment .....	239	23.1	6.5	6.7
Furniture and home furnishings .....	99	40.6	1.1	14.1
Lumber and construction materials .....	207	20.9	6.7	8.8
Professional and commercial equipment and supplies .....	484	36.7	7.9	7.7
Metals and minerals, except petroleum .....	82	27.7	7.9	8.7
Electrical goods .....	343	30.3	7.3	7.0
Hardware, plumbing and heating supplies .....	293	26.1	4.6	4.7
Machinery, equipment, and supplies .....	672	24.4	3.7	4.5
Scrap and waste materials .....	185	18.8	11.1	19.0
Miscellaneous wholesale trade, durable goods .....	169	43.2	5.6	11.5
Non-durable goods .....	2,317	31.7	9.1	14.5
Paper and paper products .....	139	39.7	9.5	10.7

See footnotes at end of table.

18. Employed persons by detailed industry, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Industry	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Drugs, chemicals, and allied products .....	223	42.9	11.6	11.9
Apparel, fabrics, and notions .....	143	50.6	10.3	18.7
Groceries and related products .....	935	26.7	9.5	20.2
Farm products-raw materials .....	87	24.3	9.9	3.5
Petroleum products .....	150	27.6	6.1	4.3
Alcoholic beverages .....	115	14.2	10.9	7.8
Farm supplies .....	148	26.8	3.8	5.7
Miscellaneous nondurable goods and not specified wholesale trade .....	378	38.1	8.4	14.1
Retail trade .....	22,113	51.1	10.1	11.6
Lumber and building material retailing .....	587	29.3	8.9	7.0
Hardware stores .....	222	38.6	6.6	6.1
Retail nurseries and garden stores .....	120	42.1	3.5	9.5
Department stores .....	2,209	67.0	14.5	10.5
Variety stores .....	143	68.9	21.4	6.8
Miscellaneous general merchandise stores .....	178	62.1	19.9	7.9
Grocery stores .....	3,133	51.1	10.3	10.9
Retail bakeries .....	212	57.1	8.2	11.6
Motor vehicle dealers .....	1,228	19.3	6.9	9.2
Auto and home supply stores .....	473	16.0	8.2	12.0
Gasoline service stations .....	396	35.7	9.7	8.4
Miscellaneous vehicle dealers .....	128	28.3	.6	6.3
Apparel and accessory stores, except shoe .....	786	73.9	12.8	10.3
Shoe stores .....	140	54.1	19.7	11.2
Furniture and home furnishings stores .....	622	39.0	7.5	10.8
Household appliance stores .....	93	27.9	15.7	12.6
Radio, TV, and computer stores .....	524	29.0	7.2	6.8
Music stores .....	137	40.7	7.7	9.3
Eating and drinking places .....	6,743	52.2	10.8	16.1
Drug stores .....	627	66.2	12.4	7.7
Liquor stores .....	129	48.0	6.1	11.6
Sporting goods, bicycles, and hobby stores .....	405	45.1	6.8	8.1
Book and stationery stores .....	313	59.3	6.5	6.4
Jewelry stores .....	176	62.7	5.4	13.6
Gift, novelty, and souvenir shops .....	220	82.5	4.6	5.8
Catalog and mail order houses .....	148	63.8	7.2	9.1
Vending machine operators .....	69	29.9	5.9	8.8
Direct selling establishments .....	369	75.1	6.9	9.7
Fuel dealers .....	115	27.0	7.4	3.6
Retail florists .....	176	74.7	5.7	8.6
Finance, insurance, and real estate .....	8,605	58.7	10.5	7.1
Banking .....	1,860	70.7	12.6	7.9
Savings institutions, including credit unions .....	258	83.2	10.8	7.0
Security, commodity brokerage, and investment companies .....	918	38.2	7.3	3.9
Insurance .....	2,563	61.8	10.6	5.3
Real estate, including real estate-insurance offices .....	2,269	49.9	9.3	9.8
Services .....	47,212	62.1	12.2	8.7
Private households .....	967	90.7	15.1	29.3
Other service industries .....	46,244	61.5	12.2	8.2
Business, automobile, and repair services .....	8,708	36.6	11.6	10.8
Advertising .....	308	51.2	6.1	6.8
Services to dwellings and other buildings .....	791	48.8	16.5	21.2
Personnel supply services .....	1,027	60.2	20.8	12.1
Computer and data processing services .....	1,780	29.7	6.8	4.1
Detective and protective services .....	573	21.0	26.0	11.1
Automotive rental and leasing, without drivers .....	167	31.6	11.4	12.5
Automobile parking and carwashes .....	218	16.9	19.6	17.7
Automotive repair and related services .....	1,151	10.1	7.7	14.7
Electrical repair shops .....	137	11.7	6.5	14.0
Miscellaneous repair services .....	572	15.2	3.9	9.4
Personal services, except private household .....	3,484	64.6	13.0	13.9
Hotels and motels .....	1,371	57.7	15.4	18.4
Lodging places, except hotels and motels .....	148	44.9	5.0	3.8
Laundry, cleaning, and garment services .....	478	57.1	14.8	23.0
Beauty shops .....	894	89.7	10.8	8.2
Barber shops .....	67	18.2	40.6	13.4
Funeral service and crematories .....	89	28.7	21.2	6.1

See footnotes at end of table.

18. Employed persons by detailed industry, sex, race, and Hispanic origin — Continued

(Numbers in thousands)

Industry	1998			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Entertainment and recreation services .....	2,530	45.0	9.0	8.4
Theaters and motion pictures .....	678	41.8	9.8	8.0
Video tape rental .....	141	58.5	6.2	11.8
Bowling centers .....	61	42.7	3.8	4.9
Miscellaneous entertainment and recreation services .....	1,650	45.3	9.1	8.4
Professional and related services .....	31,392	69.5	12.5	6.9
Hospitals .....	5,116	76.3	16.0	6.6
Health services, except hospitals .....	6,388	79.0	14.7	7.9
Offices and clinics of physicians .....	1,581	73.5	6.2	7.8
Offices and clinics of dentists .....	666	79.5	3.7	6.8
Offices and clinics of chiropractors .....	127	59.4	.9	3.9
Offices and clinics of optometrists .....	77	63.3	4.6	5.1
Nursing and personal care facilities .....	1,801	85.0	24.4	7.4
Educational services .....	10,468	68.7	11.6	6.9
Elementary and secondary schools .....	7,131	75.3	12.4	7.4
Colleges and universities .....	2,792	52.5	10.1	5.8
Vocational schools .....	86	49.8	8.6	4.2
Libraries .....	196	73.1	7.9	6.8
Social services .....	3,240	81.8	17.5	8.8
Job training and vocational rehabilitation services .....	217	58.8	16.1	5.5
Child day care services .....	943	95.4	16.5	9.2
Family child care homes .....	498	96.6	11.0	11.0
Residential care facilities, without nursing .....	486	70.9	21.8	9.1
Other professional services .....	6,181	49.0	6.2	5.1
Legal services .....	1,356	56.0	6.0	6.2
Museums, art galleries, and zoos .....	121	58.8	8.5	6.7
Labor unions .....	51	55.0	12.9	4.5
Religious organizations .....	866	50.8	8.0	5.5
Engineering, architectural, and surveying services .....	910	24.0	3.7	5.1
Accounting, auditing, and bookkeeping services .....	706	56.0	5.3	3.8
Research, development, and testing services .....	591	48.4	6.5	5.6
Management and public relations services .....	950	45.3	6.6	3.8
Miscellaneous professional and related services .....	285	58.4	2.9	1.7
Forestry and fisheries .....	131	20.3	3.6	9.1
Forestry .....	67	26.0	4.0	12.1
Fishing, hunting, and trapping .....	64	14.3	3.1	6.0
Public administration .....	5,887	43.6	16.5	6.6
Executive and legislative offices .....	147	56.2	6.8	3.8
Justice, public order, and safety .....	2,442	31.1	16.8	7.6
Public finance, taxation, and monetary policy .....	360	66.0	17.7	6.8
Administration of human resources programs .....	805	69.2	21.3	6.1
Administration of environmental quality and housing programs .....	264	39.4	7.4	4.5
Administration of economic programs .....	585	42.5	13.4	4.3
National security and international affairs .....	591	37.7	14.6	6.8

NOTE: Generally, data for industries with fewer than 50,000 employed are not published separately but are included in the totals for the appropriate categories

shown. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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**19. Persons at work in agriculture and nonagricultural industries by hours of work**

Hours of work	1998					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	125,877	3,217	122,660	100.0	100.0	100.0
1 to 34 hours .....	33,132	987	32,146	26.3	30.7	26.2
1 to 4 hours .....	1,336	71	1,265	1.1	2.2	1.0
5 to 14 hours .....	4,914	218	4,696	3.9	6.8	3.8
15 to 29 hours .....	15,545	465	15,081	12.3	14.4	12.3
30 to 34 hours .....	11,337	232	11,105	9.0	7.2	9.1
35 hours and over .....	92,745	2,231	90,514	73.7	69.3	73.8
35 to 39 hours .....	8,731	174	8,556	6.9	5.4	7.0
40 hours .....	44,224	760	43,464	35.1	23.6	35.4
41 hours and over .....	39,790	1,297	38,494	31.6	40.3	31.4
41 to 48 hours .....	14,608	268	14,340	11.6	8.3	11.7
49 to 59 hours .....	14,520	387	14,133	11.5	12.0	11.5
60 hours and over .....	10,663	642	10,020	8.5	20.0	8.2
Average hours, total at work .....	39.3	41.6	39.2	—	—	—
Average hours, persons who usually work full time .....	43.2	47.9	43.1	—	—	—

NOTE: Detail on persons at work in tables 19-23 may not sum to the totals shown because of minor editing problems associated with the redesigned

survey. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**20. 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	1998					
	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 .....	33,132	12,260	20,872	32,146	11,929	20,217
Economic reasons .....	3,665	1,322	2,343	3,501	1,238	2,263
Slack work or business conditions .....	2,095	1,056	1,038	1,997	998	999
Could only find part-time work .....	1,258	—	1,258	1,228	—	1,228
Seasonal work .....	135	89	47	102	66	37
Job started or ended during week .....	177	177	—	174	174	—
Noneconomic reasons .....	29,467	10,938	18,530	28,645	10,691	17,954
Child-care problems .....	856	89	767	843	87	755
Other family or personal obligations .....	5,551	688	4,863	5,390	673	4,716
Health or medical limitations .....	717	—	717	683	—	683
In school or training .....	6,394	97	6,297	6,245	94	6,151
Retired or Social Security limit on earnings .....	1,889	—	1,889	1,775	—	1,775
Vacation or personal day .....	3,487	3,487	—	3,420	3,420	—
Holiday, legal or religious .....	3,399	3,399	—	3,357	3,357	—
Weather-related curtailment .....	489	489	—	426	426	—
All other reasons .....	6,685	2,689	3,997	6,508	2,634	3,874
Average hours:						
Economic reasons .....	22.9	23.9	22.4	23.0	24.0	22.4
Noneconomic reasons .....	22.1	26.6	19.5	22.2	26.7	19.6

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

21. 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	1998							
	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 .....	122,660	32,146	3,501	10,691	17,954	90,514	39.2	43.1
Wage and salary workers .....	114,157	29,314	3,123	10,049	16,142	84,843	39.2	42.9
Mining .....	575	55	7	35	14	519	47.6	48.3
Construction .....	6,748	1,339	289	715	335	5,409	40.8	42.3
Manufacturing .....	19,667	2,765	300	1,735	729	16,902	42.2	43.2
Durable goods .....	11,943	1,551	132	1,082	337	10,392	42.7	43.4
Nondurable goods .....	7,724	1,214	168	653	392	6,510	41.6	42.9
Transportation and public utilities .....	8,477	1,469	176	750	543	7,008	42.3	44.0
Wholesale and retail trade .....	24,679	8,493	1,051	1,405	6,038	16,186	37.1	43.5
Finance, insurance, and real estate .....	7,729	1,642	77	813	753	6,087	40.0	42.2
Service industries .....	40,616	12,378	1,183	3,735	7,460	28,238	37.7	42.4
Private households .....	924	530	85	47	398	395	29.5	42.8
All other industries .....	39,691	11,848	1,097	3,688	7,063	27,843	37.9	42.3
Public administration .....	5,666	1,172	40	862	271	4,494	40.5	41.7
Self-employed workers .....	8,400	2,774	374	637	1,763	5,626	39.6	46.4
Unpaid family workers .....	103	58	4	5	48	45	34.0	46.6

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.



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**22. 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	1998							
	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			
<b>TOTAL</b>								
Total, 16 years and over .....	122,660	32,146	3,501	10,691	17,954	90,514	39.2	43.1
16 to 19 years .....	6,540	4,625	342	262	4,021	1,915	25.2	39.4
16 to 17 years .....	2,519	2,248	71	50	2,126	271	19.1	37.5
18 to 19 years .....	4,022	2,377	271	212	1,895	1,644	29.0	39.7
20 years and over .....	116,119	27,521	3,159	10,429	13,933	88,599	40.0	43.2
20 to 24 years .....	11,838	4,026	587	911	2,528	7,812	36.2	41.4
25 years and over .....	104,281	23,495	2,572	9,518	11,405	80,786	40.5	43.3
25 to 54 years .....	89,316	18,457	2,236	8,158	8,063	70,859	41.1	43.4
55 years and over .....	14,965	5,038	335	1,361	3,342	9,927	37.0	42.6
Men, 16 years and over .....	65,847	12,311	1,663	5,158	5,490	53,536	42.2	44.6
16 to 19 years .....	3,235	2,128	160	136	1,832	1,107	26.7	40.1
16 to 17 years .....	1,237	1,074	39	26	1,009	164	20.2	38.4
18 to 19 years .....	1,997	1,055	120	111	824	943	30.8	40.4
20 years and over .....	62,612	10,183	1,504	5,022	3,657	52,429	43.0	44.7
20 to 24 years .....	6,209	1,732	290	433	1,009	4,477	38.3	42.5
25 years and over .....	56,403	8,451	1,214	4,588	2,649	47,952	43.5	44.9
25 to 54 years .....	48,154	6,232	1,051	3,884	1,298	41,921	44.1	45.0
55 years and over .....	8,249	2,219	163	704	1,351	6,031	39.5	44.0
Women, 16 years and over .....	56,813	19,835	1,837	5,533	12,464	36,978	35.9	41.0
16 to 19 years .....	3,306	2,497	182	126	2,189	808	23.7	38.5
16 to 17 years .....	1,281	1,174	32	25	1,118	107	18.1	36.3
18 to 19 years .....	2,024	1,323	150	101	1,071	701	27.3	38.9
20 years and over .....	53,508	17,338	1,655	5,408	10,275	36,170	36.6	41.0
20 to 24 years .....	5,630	2,294	298	477	1,519	3,335	33.9	39.9
25 years and over .....	47,878	15,044	1,358	4,930	8,756	32,834	36.9	41.1
25 to 54 years .....	41,162	12,225	1,185	4,274	6,765	28,938	37.4	41.2
55 years and over .....	6,716	2,819	172	656	1,991	3,897	33.8	40.6
<b>Race</b>								
White, 16 years and over .....	103,140	27,449	2,748	8,967	15,734	75,692	39.3	43.3
Men .....	56,245	10,473	1,336	4,413	4,723	45,772	42.4	44.8
Women .....	46,895	16,976	1,412	4,553	11,011	29,919	35.6	41.1
Black, 16 years and over .....	13,830	3,353	580	1,287	1,487	10,477	38.7	41.5
Men .....	6,535	1,265	242	538	486	5,269	40.7	42.9
Women .....	7,296	2,088	338	749	1,000	5,208	36.8	40.2
<b>Marital status</b>								
Men, 16 years and over:								
Married, spouse present .....	39,972	5,639	662	3,251	1,726	34,333	44.0	45.3
Widowed, divorced, or separated .....	7,917	1,329	249	650	430	6,587	42.8	44.5
Single (never married) .....	17,958	5,343	753	1,257	3,333	12,615	37.8	42.8
Women, 16 years and over:								
Married, spouse present .....	30,317	10,569	719	3,070	6,779	19,749	35.8	40.8
Widowed, divorced, or separated .....	11,485	3,242	442	1,231	1,569	8,242	38.0	41.4
Single (never married) .....	15,011	6,024	676	1,233	4,115	8,987	34.2	40.9

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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

(Numbers in thousands)

Occupation and sex	1998							
	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 <sup>1</sup> .....	122,536	32,110	3,484	10,671	17,955	90,427	39.2	43.1
Managerial and professional specialty .....	36,978	7,751	497	3,535	3,719	29,227	41.8	44.5
Executive, administrative, and managerial .....	18,373	3,013	172	1,626	1,215	15,360	43.6	45.5
Professional specialty .....	18,605	4,737	324	1,908	2,505	13,867	39.9	43.4
Technical, sales, and administrative support .....	37,029	11,290	920	3,284	7,086	25,739	37.4	42.1
Technicians and related support .....	4,095	981	66	403	512	3,114	39.2	41.9
Sales occupations .....	15,272	4,816	510	926	3,379	10,456	38.5	44.6
Administrative support, including clerical .....	17,662	5,493	343	1,955	3,194	12,169	36.1	40.1
Service occupations .....	17,059	6,881	945	1,105	4,831	10,178	34.7	42.0
Private household .....	815	478	75	40	363	337	29.0	42.6
Protective service .....	2,313	399	33	166	200	1,914	42.5	45.0
Service, except private household and protective .....	13,932	6,005	838	899	4,268	7,926	33.8	41.3
Precision production, craft, and repair .....	13,897	2,284	433	1,279	571	11,613	41.8	43.0
Operators, fabricators, and laborers .....	17,574	3,904	690	1,467	1,748	13,670	40.1	42.8
Machine operators, assemblers, and inspectors .....	7,537	1,298	228	681	389	6,240	40.6	41.9
Transportation and material moving occupations .....	5,123	985	166	372	447	4,138	43.2	45.8
Handlers, equipment cleaners, helpers, and laborers .....	4,913	1,622	296	414	912	3,292	36.2	40.9
Men, 16 years and over <sup>1</sup> .....	65,575	12,200	1,648	5,128	5,424	53,376	42.2	44.6
Managerial and professional specialty .....	19,158	2,800	215	1,552	1,033	16,359	44.8	46.5
Executive, administrative, and managerial .....	10,266	1,224	93	743	389	9,041	46.2	47.4
Professional specialty .....	8,893	1,575	122	809	644	7,317	43.2	45.4
Technical, sales, and administrative support .....	13,383	2,648	252	941	1,454	10,736	41.9	44.9
Technicians and related support .....	1,913	322	27	168	127	1,591	41.7	43.4
Sales occupations .....	7,655	1,477	144	421	913	6,177	43.2	46.7
Administrative support, including clerical .....	3,816	848	82	353	414	2,968	39.3	42.1
Service occupations .....	6,972	2,065	301	424	1,340	4,907	38.0	43.4
Private household .....	45	23	6	1	15	22	30.4	41.6
Protective service .....	1,903	278	22	135	120	1,625	43.8	45.6
Service, except private household and protective .....	5,023	1,764	272	287	1,205	3,259	35.9	42.3
Precision production, craft, and repair .....	12,758	2,016	403	1,162	451	10,742	42.1	43.2
Operators, fabricators, and laborers .....	13,304	2,672	477	1,049	1,146	10,632	41.1	43.5
Machine operators, assemblers, and inspectors .....	4,750	665	110	396	158	4,086	41.8	42.7
Transportation and material moving occupations .....	4,622	786	141	328	317	3,836	44.0	46.1
Handlers, equipment cleaners, helpers, and laborers .....	3,932	1,221	226	325	671	2,711	36.8	41.2
Women, 16 years and over <sup>1</sup> .....	56,961	19,910	1,837	5,543	12,531	37,051	35.8	41.0
Managerial and professional specialty .....	17,820	4,951	282	1,983	2,687	12,869	38.4	42.1
Executive, administrative, and managerial .....	8,108	1,789	79	884	826	6,319	40.4	42.8
Professional specialty .....	9,712	3,162	203	1,099	1,860	6,550	36.8	41.3
Technical, sales, and administrative support .....	23,645	8,642	667	2,343	5,632	15,003	34.9	40.2
Technicians and related support .....	2,183	659	40	235	385	1,524	37.0	40.4
Sales occupations .....	7,617	3,338	366	506	2,466	4,279	33.8	41.7
Administrative support, including clerical .....	13,845	4,644	261	1,603	2,781	9,201	35.3	39.5
Service occupations .....	10,087	4,817	644	681	3,491	5,271	32.4	40.8
Private household .....	770	455	68	38	348	315	29.0	42.7
Protective service .....	409	121	11	31	79	289	36.6	41.6
Service, except private household and protective .....	8,908	4,241	566	612	3,064	4,667	32.5	40.6
Precision production, craft, and repair .....	1,139	268	31	117	120	871	38.6	41.1
Operators, fabricators, and laborers .....	4,270	1,232	213	418	602	3,037	37.2	40.5
Machine operators, assemblers, and inspectors .....	2,787	633	118	285	230	2,154	38.5	40.4
Transportation and material moving occupations .....	502	199	25	43	131	302	36.0	42.6
Handlers, equipment cleaners, helpers, and laborers .....	981	400	70	90	241	581	34.0	39.6

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

NOTE: Beginning in January 1998, data reflect new composite estimation

procedures and revised population controls used in the household survey.

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**24. 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	
	1997	1998	1997	1998	1997	1998	1997	1998
Total, 16 years and over .....	3,577	3,266	4.9	4.4	3,162	2,944	5.0	4.6
Married, spouse present .....	1,167	1,034	2.7	2.4	1,047	985	3.1	2.9
Widowed, divorced, or separated .....	504	435	5.8	4.8	660	628	5.2	4.9
Single (never married) .....	1,906	1,798	9.2	8.5	1,455	1,332	8.8	7.8
White, 16 years and over .....	2,641	2,431	4.2	3.9	2,195	2,053	4.2	3.9
Married, spouse present .....	957	836	2.5	2.2	855	808	2.9	2.7
Widowed, divorced, or separated .....	382	334	5.3	4.5	461	449	4.6	4.4
Single (never married) .....	1,303	1,261	7.8	7.4	879	797	7.1	6.3
Black, 16 years and over .....	747	671	10.2	8.9	813	756	9.9	9.0
Married, spouse present .....	141	133	4.3	3.9	131	120	5.2	4.5
Widowed, divorced, or separated .....	99	84	8.3	6.9	172	156	7.7	7.0
Single (never married) .....	506	455	17.7	15.4	510	480	15.0	13.5
Total, 25 years and over .....	2,246	1,998	3.6	3.2	2,069	1,926	3.9	3.6
Married, spouse present .....	1,095	980	2.6	2.3	943	878	2.9	2.7
Widowed, divorced, or separated .....	478	415	5.6	4.8	612	590	4.9	4.8
Single (never married) .....	674	602	6.2	5.5	514	458	6.3	5.4
White, 25 years and over .....	1,700	1,516	3.2	2.8	1,458	1,361	3.3	3.1
Married, spouse present .....	899	790	2.4	2.1	770	717	2.7	2.5
Widowed, divorced, or separated .....	359	318	5.1	4.4	426	418	4.4	4.3
Single (never married) .....	442	407	5.1	4.7	263	226	4.6	3.8
Black, 25 years and over .....	420	373	6.9	6.0	510	471	7.6	6.8
Married, spouse present .....	129	126	4.0	3.8	117	109	4.8	4.3
Widowed, divorced, or separated .....	97	81	8.2	6.8	162	151	7.4	6.9
Single (never married) .....	195	166	11.5	9.5	231	211	11.0	9.5

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

25. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	1997	1998	1997	1998	1997	1998	1997	1998
Total, 16 years and over <sup>1</sup> .....	6,739	6,210	4.9	4.5	4.9	4.4	5.0	4.6
Managerial and professional specialty .....	761	722	2.0	1.8	1.9	1.7	2.1	2.0
Executive, administrative, and managerial .....	359	343	1.9	1.8	1.8	1.6	2.0	2.0
Professional specialty .....	403	380	2.0	1.9	2.0	1.8	2.1	2.0
Technical, sales, and administrative support .....	1,646	1,550	4.1	3.9	3.6	3.3	4.4	4.2
Technicians and related support .....	104	96	2.4	2.2	2.2	2.3	2.6	2.1
Sales occupations .....	814	745	4.9	4.5	3.6	3.3	6.2	5.6
Administrative support, including clerical .....	728	710	3.8	3.7	4.2	4.0	3.7	3.6
Service occupations .....	1,255	1,216	6.7	6.4	6.5	6.3	6.8	6.4
Private household .....	73	74	8.4	8.0	12.6	8.7	8.2	8.0
Protective service .....	89	85	3.7	3.4	3.4	3.1	5.2	5.0
Service, except private household and protective .....	1,093	1,057	7.0	6.8	7.6	7.5	6.7	6.3
Precision production, craft, and repair .....	719	630	4.8	4.2	4.8	4.1	5.1	4.8
Mechanics and repairers .....	167	149	3.5	3.0	3.4	3.1	4.5	2.3
Construction trades .....	406	338	7.0	5.7	7.0	5.6	7.2	10.4
Other precision production, craft, and repair .....	145	143	3.4	3.4	3.0	3.1	5.0	4.6
Operators, fabricators, and laborers .....	1,490	1,304	7.5	6.7	7.1	6.3	8.8	7.7
Machine operators, assemblers, and inspectors .....	551	494	6.5	6.0	5.1	5.0	8.6	7.6
Transportation and material moving occupations .....	306	279	5.4	4.9	5.3	4.8	6.0	6.3
Handlers, equipment cleaners, helpers, and laborers .....	633	531	11.1	9.4	11.3	9.6	10.5	8.8
Construction laborers .....	167	136	17.1	14.2	16.9	14.2	20.8	16.0
Other handlers, equipment cleaners, helpers, and laborers .....	467	395	9.9	8.4	9.9	8.4	10.1	8.5
Farming, forestry, and fishing .....	267	244	7.1	6.5	6.9	6.1	7.8	8.0
No previous work experience .....	569	520	—	—	—	—	—	—
16 to 19 years .....	388	361	—	—	—	—	—	—
20 to 24 years .....	85	80	—	—	—	—	—	—
25 years and over .....	96	80	—	—	—	—	—	—

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

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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**26. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	1997	1998	1997	1998	1997	1998	1997	1998
Total, 16 years and over .....	6,739	6,210	4.9	4.5	4.9	4.4	5.0	4.6
Nonagricultural private wage and salary workers .....	5,225	4,873	5.0	4.6	4.9	4.5	5.1	4.8
Mining .....	24	20	3.8	3.2	3.7	3.4	4.1	1.8
Construction .....	623	532	9.0	7.5	9.2	7.7	6.9	5.9
Manufacturing .....	885	816	4.2	3.9	3.5	3.3	5.5	5.2
Durable goods .....	445	426	3.5	3.4	3.3	3.0	4.2	4.2
Lumber and wood products .....	47	43	5.9	5.2	5.7	5.3	7.0	4.8
Furniture and fixtures .....	31	26	4.7	3.8	4.5	3.5	5.1	4.6
Stone, clay, and glass products .....	26	18	4.2	3.1	4.4	2.4	3.4	5.4
Primary metal industries .....	29	27	3.8	3.6	3.6	3.4	5.1	4.8
Fabricated metal products .....	42	49	3.1	3.5	2.9	3.4	3.7	3.7
Machinery, except electrical .....	77	78	3.0	3.1	2.7	2.9	3.7	3.8
Electrical machinery, equipment, and supplies .....	58	54	2.9	2.7	2.5	2.4	3.6	3.3
Transportation equipment .....	77	72	3.3	3.0	3.1	2.6	3.8	4.4
Automobiles .....	49	47	3.7	3.4	3.6	3.0	4.0	4.9
Other transportation equipment .....	28	25	2.7	2.4	2.5	2.1	3.5	3.5
Professional and photographic equipment .....	19	20	2.6	2.5	2.4	2.0	2.8	3.4
Other durable goods industries .....	38	38	5.4	5.6	3.6	4.2	8.0	7.5
Nondurable goods .....	440	390	5.1	4.7	4.0	3.7	6.7	6.2
Food and kindred products .....	133	111	7.4	6.4	5.5	5.2	10.9	8.6
Textile mill products .....	31	29	4.6	4.7	3.0	3.7	6.8	5.9
Apparel and other textile products .....	92	76	9.1	8.8	7.0	6.0	10.0	10.1
Paper and allied products .....	23	18	3.2	2.6	3.3	2.4	3.2	3.3
Printing and publishing .....	69	67	3.8	3.8	3.9	3.5	3.7	4.2
Chemicals and allied products .....	38	34	2.8	2.5	2.6	2.1	3.1	3.3
Rubber and miscellaneous plastics products .....	40	38	4.3	3.8	3.6	3.1	5.9	5.5
Other nondurable goods industries .....	16	16	4.2	4.6	3.2	4.0	6.1	5.9
Transportation and public utilities .....	260	254	3.5	3.4	3.4	3.3	3.8	3.5
Transportation .....	194	185	4.2	4.0	4.2	4.0	4.3	4.0
Communications and other public utilities .....	66	69	2.3	2.4	1.9	2.1	3.1	2.9
Wholesale and retail trade .....	1,645	1,493	6.2	5.5	5.6	5.1	6.9	6.0
Wholesale trade .....	176	185	3.7	3.7	3.2	3.4	4.8	4.6
Retail trade .....	1,469	1,308	6.8	6.0	6.3	5.7	7.2	6.2
Finance, insurance, and real estate .....	229	197	3.0	2.5	3.0	2.3	3.0	2.6
Service industries .....	1,559	1,562	4.6	4.5	4.8	4.7	4.5	4.4
Professional services .....	589	593	2.9	2.9	2.7	2.5	3.1	3.1
Other service industries .....	970	968	7.1	6.9	6.6	6.5	7.6	7.3
Agricultural wage and salary workers .....	190	180	9.1	8.3	9.1	7.9	9.1	9.3
Government, self-employed, and unpaid family workers .....	755	636	2.6	2.2	2.7	2.0	2.4	2.3
No previous work experience .....	569	520	-	-	-	-	-	-

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

27. Unemployed persons by reason for unemployment, sex, and age

(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	
	1997	1998	1997	1998	1997	1998	1997	1998
<b>NUMBER OF UNEMPLOYED</b>								
Total unemployed .....	6,739	6,210	2,882	2,580	2,585	2,424	1,271	1,205
Job losers and persons who completed temporary jobs .....	3,037	2,822	1,795	1,588	1,069	1,053	174	181
On temporary layoff .....	931	866	567	483	304	322	60	61
Not on temporary layoff .....	2,106	1,957	1,228	1,105	764	731	114	120
Permanent job losers .....	1,436	1,353	833	763	541	527	63	64
Persons who completed temporary jobs .....	670	603	395	343	224	204	51	56
Job leavers .....	795	734	358	318	333	330	104	86
Reentrants .....	2,338	2,132	675	611	1,057	944	606	577
New entrants .....	569	520	55	63	126	97	388	361
<b>PERCENT DISTRIBUTION</b>								
Job losers and persons who completed temporary jobs .....	45.1	45.5	62.3	61.5	41.3	43.4	13.7	15.0
On temporary layoff .....	13.8	13.9	19.7	18.7	11.8	13.3	4.7	5.1
Not on temporary layoff .....	31.3	31.5	42.6	42.8	29.6	30.2	9.0	10.0
Job leavers .....	11.8	11.8	12.4	12.3	12.9	13.6	8.2	7.2
Reentrants .....	34.7	34.3	23.4	23.7	40.9	39.0	47.6	47.9
New entrants .....	8.4	8.4	1.9	2.4	4.9	4.0	30.5	30.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers and persons who completed temporary jobs .....	2.2	2.1	2.6	2.3	1.8	1.8	2.2	2.2
Job leavers .....	.6	.5	.5	.5	.6	.6	1.3	1.0
Reentrants .....	1.7	1.5	1.0	.9	1.8	1.6	7.6	7.0
New entrants .....	.4	.4	.1	.1	.2	.2	4.9	4.4

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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**28. Unemployed persons by reason for unemployment, race, and Hispanic origin**

(Numbers in thousands)

Reason for unemployment	Total		White		Black		Hispanic origin	
	1997	1998	1997	1998	1997	1998	1997	1998
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	6,739	6,210	4,836	4,484	1,560	1,426	1,069	1,026
Job losers and persons who completed temporary jobs .....	3,037	2,822	2,284	2,116	616	585	500	471
On temporary layoff .....	931	866	778	716	121	116	158	146
Not on temporary layoff .....	2,106	1,957	1,506	1,399	495	469	343	325
Permanent job losers .....	1,436	1,353	1,063	988	298	300	207	206
Persons who completed temporary jobs .....	670	603	443	412	197	170	135	119
Job leavers .....	795	734	623	568	138	133	96	95
Reentrants .....	2,338	2,132	1,576	1,467	634	558	350	346
New entrants .....	569	520	354	333	172	151	122	113
<b>PERCENT DISTRIBUTION</b>								
Job losers and persons who completed temporary jobs .....	45.1	45.5	47.2	47.2	39.5	41.0	46.8	46.0
On temporary layoff .....	13.8	13.9	16.1	16.0	7.8	8.1	14.8	14.3
Not on temporary layoff .....	31.3	31.5	31.1	31.2	31.7	32.9	32.0	31.7
Job leavers .....	11.8	11.8	12.9	12.7	8.8	9.3	9.0	9.3
Reentrants .....	34.7	34.3	32.6	32.7	40.7	39.1	32.7	33.7
New entrants .....	8.4	8.4	7.3	7.4	11.0	10.6	11.4	11.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers and persons who completed temporary jobs .....	2.2	2.1	2.0	1.8	4.0	3.7	3.6	3.3
Job leavers .....	.6	.5	.5	.5	.9	.8	.7	.7
Reentrants .....	1.7	1.5	1.4	1.3	4.1	3.5	2.5	2.4
New entrants .....	.4	.4	.3	.3	1.1	.9	.9	.8

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

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

29. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

Reason, sex, and age	1998						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	6,210	100.0	42.2	31.4	26.4	12.3	14.1
Job losers and persons who completed temporary jobs .....	2,822	100.0	42.4	31.9	25.7	13.3	12.4
On temporary layoff .....	866	100.0	58.3	28.5	13.2	8.7	4.5
Not on temporary layoff .....	1,957	100.0	35.4	33.4	31.2	15.3	15.9
Permanent job losers .....	1,353	100.0	33.0	33.3	33.7	16.7	17.0
Persons who completed temporary jobs .....	603	100.0	40.7	33.6	25.7	12.1	13.6
Job leavers .....	734	100.0	49.4	31.0	19.6	9.8	9.8
Reentrants .....	2,132	100.0	40.3	30.2	29.5	12.3	17.2
New entrants .....	520	100.0	39.0	34.2	26.8	10.5	16.3
Men, 20 years and over .....	2,580	100.0	38.8	30.8	30.5	13.2	17.3
Job losers and persons who completed temporary jobs .....	1,588	100.0	39.9	32.1	28.1	13.6	14.5
On temporary layoff .....	483	100.0	55.3	30.2	14.5	9.8	4.8
Not on temporary layoff .....	1,105	100.0	33.1	32.9	34.0	15.3	18.7
Permanent job losers .....	763	100.0	31.6	32.1	36.3	16.6	19.7
Persons who completed temporary jobs .....	343	100.0	36.6	34.5	28.9	12.5	16.4
Job leavers .....	318	100.0	44.7	31.5	23.8	10.9	12.9
Reentrants .....	611	100.0	34.7	26.9	38.5	13.4	25.0
New entrants .....	63	100.0	20.5	32.3	47.3	10.9	36.4
Women, 20 years and over .....	2,424	100.0	41.5	31.2	27.3	13.3	14.0
Job losers and persons who completed temporary jobs .....	1,053	100.0	42.5	32.2	25.3	14.2	11.1
On temporary layoff .....	322	100.0	58.6	28.4	13.0	8.2	4.8
Not on temporary layoff .....	731	100.0	35.3	33.9	30.8	16.9	13.9
Permanent job losers .....	527	100.0	32.1	34.9	33.0	18.4	14.7
Persons who completed temporary jobs .....	204	100.0	43.7	31.3	24.9	13.0	11.9
Job leavers .....	330	100.0	49.6	30.9	19.5	10.2	9.3
Reentrants .....	944	100.0	38.6	30.3	31.1	13.3	17.8
New entrants .....	97	100.0	31.1	30.6	38.2	13.6	24.6
Both sexes, 16 to 19 years .....	1,205	100.0	51.2	33.2	15.7	8.3	7.3
Job losers and persons who completed temporary jobs .....	181	100.0	64.0	29.0	7.0	4.8	2.2
On temporary layoff .....	61	100.0	80.1	15.5	4.4	3.6	.7
Not on temporary layoff .....	120	100.0	55.8	35.8	8.4	5.4	3.0
Permanent job losers .....	64	100.0	57.0	34.7	8.3	4.9	3.4
Persons who completed temporary jobs .....	56	100.0	54.5	37.1	8.4	5.9	2.5
Job leavers .....	86	100.0	66.0	29.7	4.2	3.6	.6
Reentrants .....	577	100.0	49.1	33.6	17.3	9.4	7.9
New entrants .....	361	100.0	44.4	35.4	20.2	9.5	10.6

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.



### 30. 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	
	1997	1998	1997	1998	1997	1998	1997	1998
Total, 16 years and over .....	6,739	6,210	100.0	100.0	5,395	4,916	100.0	100.0
Less than 5 weeks .....	2,538	2,622	37.7	42.2	1,862	1,909	34.5	38.8
5 to 14 weeks .....	2,138	1,950	31.7	31.4	1,713	1,574	31.8	32.0
5 to 10 weeks .....	1,474	1,375	21.9	22.1	1,156	1,093	21.4	22.2
11 to 14 weeks .....	664	575	9.9	9.3	557	481	10.3	9.8
15 weeks and over .....	2,062	1,637	30.6	26.4	1,820	1,433	33.7	29.1
15 to 26 weeks .....	995	763	14.8	12.3	864	662	16.0	13.5
27 weeks and over .....	1,067	875	15.8	14.1	956	771	17.7	15.7
27 to 51 weeks .....	479	379	7.1	6.1	428	340	7.9	6.9
52 weeks and over .....	589	496	8.7	8.0	528	431	9.8	8.8
Average (mean) duration, in weeks .....	15.8	14.5	—	—	17.1	15.6	—	—
Median duration, in weeks .....	8.0	6.7	—	—	8.9	7.6	—	—

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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**31. Unemployed persons by selected demographic characteristics and duration of unemployment**

Characteristic	1998							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			
<b>TOTAL</b>									
Total, 16 years and over .....	6,210	2,622	1,950	1,637	763	875	14.5	6.7	
16 to 19 years .....	1,205	616	400	189	100	88	9.5	4.4	
20 to 24 years .....	1,081	496	347	238	118	120	12.3	5.6	
25 to 34 years .....	1,419	578	458	383	184	199	14.4	7.1	
35 to 44 years .....	1,258	484	384	390	175	216	16.4	7.9	
45 to 54 years .....	782	278	239	265	120	146	17.9	8.7	
55 to 64 years .....	343	117	94	131	51	81	22.7	9.8	
65 years and over .....	122	53	29	40	15	25	19.2	6.7	
<b>Men, 16 years and over .....</b>									
16 to 19 years .....	3,266	1,342	1,029	895	398	496	15.2	7.0	
16 to 19 years .....	686	342	236	108	58	50	9.6	4.5	
20 to 24 years .....	583	253	193	137	63	73	13.5	6.2	
25 to 34 years .....	699	284	224	192	86	106	15.0	7.3	
35 to 44 years .....	609	227	182	200	83	117	17.6	8.3	
45 to 54 years .....	420	138	126	156	69	87	19.4	9.6	
55 to 64 years .....	201	70	53	78	30	49	22.6	10.1	
65 years and over .....	69	29	16	23	9	15	19.2	7.1	
<b>Women, 16 years and over .....</b>									
16 to 19 years .....	2,944	1,280	921	743	364	378	13.7	6.3	
16 to 19 years .....	519	275	164	81	42	39	9.3	4.2	
20 to 24 years .....	498	243	154	101	55	47	11.0	4.9	
25 to 34 years .....	720	294	234	191	98	93	13.8	7.0	
35 to 44 years .....	650	257	202	190	92	99	15.3	7.5	
45 to 54 years .....	362	140	113	109	51	59	16.2	7.7	
55 to 64 years .....	141	47	41	53	21	32	22.8	9.4	
65 years and over .....	53	23	13	17	7	10	19.2	6.3	
<b>Race and Hispanic origin</b>									
<b>White, 16 years and over .....</b>									
White, 16 years and over .....	4,484	2,021	1,395	1,068	526	541	13.1	5.8	
Men .....	2,431	1,057	757	616	290	326	13.9	6.3	
Women .....	2,053	964	637	451	236	216	12.1	5.3	
<b>Black, 16 years and over .....</b>									
Black, 16 years and over .....	1,426	477	466	483	198	285	18.4	9.2	
Men .....	671	221	224	226	85	140	19.0	9.1	
Women .....	756	256	242	257	112	145	17.9	9.2	
<b>Hispanic origin, 16 years and over .....</b>									
Hispanic origin, 16 years and over .....	1,026	435	319	272	127	145	14.3	6.7	
Men .....	552	228	179	146	68	78	14.4	7.0	
Women .....	473	207	141	126	59	67	14.1	6.3	
<b>Marital status</b>									
<b>Men, 16 years and over:</b>									
Married, spouse present .....	1,034	386	323	324	146	178	16.7	8.2	
Widowed, divorced, or separated .....	435	175	119	141	61	80	18.0	7.9	
Single (never married) .....	1,798	781	587	429	192	238	13.7	6.2	
<b>Women, 16 years and over:</b>									
Married, spouse present .....	985	444	298	242	127	115	13.0	5.9	
Widowed, divorced, or separated .....	628	232	205	190	87	103	17.0	8.0	
Single (never married) .....	1,332	603	417	311	150	160	12.7	5.8	

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

January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

32. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	1998							Average (mean) duration	Median duration	
	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				
<b>OCCUPATION</b>										
Managerial and professional specialty .....	722	297	214	211	99	112	15.8	7.2		
Technical, sales, and administrative support .....	1,550	668	490	393	186	206	13.9	6.5		
Service occupations .....	1,216	527	370	320	143	177	14.6	6.3		
Precision production, craft, and repair .....	630	280	189	161	77	84	13.9	6.1		
Operators, fabricators, and laborers .....	1,304	536	427	341	164	177	14.3	7.0		
Farming, forestry, and fishing .....	244	103	78	63	36	27	13.1	6.7		
<b>INDUSTRY<sup>1</sup></b>										
Agriculture .....	180	75	61	44	24	20	13.0	7.0		
Construction .....	544	233	177	134	68	66	13.7	6.5		
Manufacturing .....	818	331	258	230	117	113	14.5	7.3		
Durable goods .....	427	180	132	115	57	58	14.3	6.9		
Nondurable goods .....	391	150	125	115	59	56	14.7	7.8		
Transportation and public utilities .....	281	114	86	80	31	49	16.1	7.0		
Wholesale and retail trade .....	1,500	666	475	359	168	191	13.3	6.1		
Finance, insurance, and real estate .....	204	72	69	63	28	34	16.3	8.2		
Services .....	1,802	779	553	470	222	248	14.4	6.5		
Public administration .....	107	39	25	44	16	27	21.3	10.0		
No previous work experience .....	520	203	178	140	54	85	15.7	7.2		

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

procedures and revised population controls used in the household survey.

NOTE: Beginning in January 1998, data reflect new composite estimation

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**33. Unemployed jobseekers by sex, age, race, and active jobsearch methods used**

(Numbers in thousands)

Sex, age, and race	1998									
	Thousands of persons		Methods used as a percent of total jobseekers							Average number of methods used
	Total unemployed	Total job-seekers	Employer directly	Sent out resumes or filled out applications	Placed or answered ads	Friends or relatives	Public employment agency	Private employment agency	Other	
Total, 16 years and over .....	6,210	5,344	64.6	48.6	15.9	14.8	19.2	6.9	8.8	1.79
16 to 19 years .....	1,205	1,144	62.7	54.2	9.8	10.8	8.9	2.4	5.6	1.55
20 to 24 years .....	1,081	989	65.9	48.0	15.3	13.9	18.8	7.3	8.0	1.78
25 to 34 years .....	1,419	1,204	65.8	47.8	18.0	16.5	22.7	7.8	9.6	1.89
35 to 44 years .....	1,258	1,035	65.9	47.1	18.5	15.6	24.2	8.7	9.1	1.90
45 to 54 years .....	782	619	64.5	48.2	18.6	17.8	23.8	10.4	11.1	1.95
55 to 64 years .....	343	264	62.2	42.0	19.6	17.5	21.0	7.7	13.7	1.84
65 years and over .....	122	89	53.8	32.4	13.4	14.4	11.0	2.9	15.3	1.44
Men, 16 years and over .....	3,266	2,748	65.6	46.7	15.8	16.3	19.2	6.9	9.4	1.80
16 to 19 years .....	686	650	62.6	52.9	9.3	12.0	8.5	2.5	5.1	1.53
20 to 24 years .....	583	522	66.5	44.7	15.0	15.5	18.4	7.2	7.9	1.76
25 to 34 years .....	699	559	67.7	45.5	18.1	18.6	23.3	7.3	10.2	1.91
35 to 44 years .....	609	481	69.2	45.3	18.7	17.6	25.6	8.9	10.0	1.96
45 to 54 years .....	420	325	64.7	45.8	19.9	20.2	25.5	12.1	13.5	2.03
55 to 64 years .....	201	159	62.7	42.2	19.9	16.9	22.6	7.8	15.4	1.88
65 years and over .....	69	52	53.0	34.3	12.8	13.8	9.3	2.4	21.0	1.49
Women, 16 years and over .....	2,944	2,596	63.6	50.6	16.1	13.2	19.1	6.9	8.2	1.78
16 to 19 years .....	519	494	62.8	55.9	10.5	9.2	9.5	2.3	6.1	1.57
20 to 24 years .....	498	467	65.2	51.8	15.7	12.0	19.3	7.4	8.1	1.80
25 to 34 years .....	720	645	64.1	49.8	17.9	14.7	22.2	8.2	9.1	1.86
35 to 44 years .....	650	554	63.1	48.7	18.3	13.8	22.9	8.5	8.3	1.84
45 to 54 years .....	362	294	64.2	50.8	17.1	15.2	21.8	8.5	8.4	1.86
55 to 64 years .....	141	106	61.4	41.6	19.1	18.3	18.5	7.6	11.2	1.78
65 years and over .....	53	36	55.0	29.7	14.3	15.2	13.4	3.6	7.0	1.38
White, 16 years and over .....	4,484	3,767	64.8	48.4	32.6	31.1	35.2	13.3	9.5	1.79
Men .....	2,431	1,997	65.8	47.0	16.2	14.0	17.9	6.7	10.3	1.82
Women .....	2,053	1,770	63.7	49.8	16.4	17.1	17.3	6.6	8.5	1.77
Black, 16 years and over .....	1,426	1,311	64.5	49.9	29.2	24.5	47.9	14.8	6.7	1.79
Men .....	671	604	65.6	46.6	14.1	13.5	24.5	7.3	6.5	1.78
Women .....	756	706	63.5	52.7	15.1	11.0	23.4	7.5	6.9	1.80

NOTE: The jobseekers total is less than the total unemployed because it does not include persons on temporary layoff. The percent using each method will always total more than 100 because many jobseekers use more than one

method. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey

34. Unemployed jobseekers by sex, reason for unemployment, and active jobsearch methods used

Sex and reason	1998									Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers							
	Total unemployed	Total job-seekers	Employer directly	Sent out resumes or filled out applications	Placed or answered ads	Friends or relatives	Public employment agency	Private employment agency	Other	
Total, 16 years and over .....	6,210	5,344	64.6	48.6	15.9	14.8	19.2	6.9	8.8	1.79
Job losers and persons who completed temporary jobs <sup>1</sup> .....	2,822	1,957	68.0	47.1	19.7	17.5	25.2	9.5	10.0	1.98
Job leavers .....	734	734	67.9	51.2	18.8	13.4	20.2	7.7	7.8	1.87
Reentrants .....	2,132	2,132	61.1	48.2	13.1	13.0	15.6	5.4	8.8	1.65
New entrants .....	520	520	61.7	51.8	9.4	14.0	9.8	2.4	6.2	1.56
Men, 16 years and over .....	3,266	2,748	65.6	46.7	15.8	16.3	19.2	6.9	9.4	1.80
Job losers and persons who completed temporary jobs <sup>1</sup> .....	1,703	1,185	69.4	44.9	19.1	18.7	24.6	9.4	10.6	1.97
Job leavers .....	368	368	68.6	49.7	18.4	15.0	19.7	7.1	7.9	1.87
Reentrants .....	931	931	60.7	46.0	12.4	14.3	15.1	4.9	9.7	1.64
New entrants .....	264	264	61.6	53.0	8.9	14.2	8.7	2.7	5.7	1.55
Women, 16 years and over .....	2,944	2,596	63.6	50.6	16.1	13.2	19.1	6.9	8.2	1.78
Job losers and persons who completed temporary jobs <sup>1</sup> .....	1,119	772	65.9	50.6	20.6	15.7	26.0	9.7	9.1	1.98
Job leavers .....	366	366	67.2	52.7	19.1	11.8	20.7	8.4	7.6	1.88
Reentrants .....	1,201	1,201	61.4	49.9	13.6	11.9	15.9	5.8	8.1	1.67
New entrants .....	257	257	61.9	50.6	10.0	13.7	10.9	2.1	6.7	1.56

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

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on temporary layoff. The percent using each method will

always total more than 100 because many jobseekers use more than one method. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
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**35. Persons not in the labor force by desire and availability for work, age, and sex**

(In thousands)

Category	Total		Age						Sex			
	1997	1998	16 to 24 years		25 to 54 years		55 years and over		Men		Women	
			1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
Total not in the labor force .....	66,837	67,547	11,343	11,343	18,552	18,732	36,942	37,472	24,454	24,799	42,382	42,748
Do not want a job now <sup>1</sup> .....	61,895	62,735	9,434	9,491	16,311	16,580	36,151	36,664	22,420	22,790	39,475	39,945
Want a job <sup>1</sup> .....	4,941	4,812	1,909	1,852	2,241	2,152	791	807	2,034	2,008	2,907	2,803
Did not search for work in previous year .....	2,857	2,859	1,034	1,011	1,245	1,240	579	608	1,118	1,134	1,739	1,725
Searched for work in previous year <sup>2</sup> .....	2,084	1,953	875	841	997	912	212	200	917	875	1,168	1,078
Not available to work now .....	669	643	346	332	289	275	34	36	257	250	412	392
Available to work now .....	1,416	1,310	529	509	708	637	178	164	659	624	756	686
Reason not currently looking:												
Discouragement over job prospects <sup>3</sup> .....	343	331	107	108	184	170	52	53	200	198	143	133
Reasons other than discouragement .....	1,073	979	423	401	524	467	126	111	460	427	613	552
Family responsibilities .....	139	143	26	37	97	93	16	13	21	23	117	120
In school or training .....	235	206	188	173	45	32	2	1	113	105	121	102
Ill health or disability .....	116	104	17	14	71	69	28	21	52	52	64	52
Other <sup>4</sup> .....	583	525	191	177	311	273	81	75	273	247	311	278

<sup>1</sup> Includes some persons who are not asked if they want a job.

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

<sup>3</sup> 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.

<sup>4</sup> 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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

36. Multiple jobholders by selected demographic and economic characteristics

(Numbers in thousands)

Characteristic	Both sexes				Men				Women			
	Number		Rate <sup>1</sup>		Number		Rate <sup>1</sup>		Number		Rate <sup>1</sup>	
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
<b>AGE</b>												
Total, 16 years and over <sup>2</sup> .....	7,955	7,926	6.1	6.0	4,237	4,178	6.1	5.9	3,718	3,748	6.2	6.2
16 to 19 years .....	331	335	5.0	4.8	144	138	4.2	3.9	187	198	5.7	5.7
20 years and over .....	7,625	7,590	6.2	6.1	4,094	4,040	6.2	6.0	3,531	3,550	6.2	6.2
20 to 24 years .....	809	788	6.5	6.3	385	363	5.9	5.5	424	425	7.3	7.2
25 years and over .....	6,816	6,802	6.2	6.1	3,708	3,677	6.2	6.1	3,107	3,126	6.1	6.1
25 to 54 years .....	6,076	6,011	6.4	6.3	3,278	3,228	6.5	6.3	2,798	2,783	6.4	6.3
55 years and over .....	740	791	4.6	4.8	431	449	4.8	4.9	309	342	4.4	4.6
55 to 64 years .....	625	682	5.1	5.3	356	378	5.3	5.4	268	303	4.8	5.2
65 years and over .....	115	109	3.1	2.9	74	71	3.3	3.3	40	39	2.6	2.5
<b>RACE AND HISPANIC ORIGIN</b>												
White .....	6,909	6,832	6.3	6.2	3,693	3,622	6.2	6.0	3,216	3,210	6.4	6.4
Black .....	758	802	5.4	5.5	388	406	5.9	5.9	370	396	5.0	5.2
Hispanic origin .....	494	503	3.9	3.8	305	299	3.9	3.7	190	204	3.8	3.9
<b>MARITAL STATUS</b>												
Married, spouse present .....	4,434	4,414	5.9	5.8	2,675	2,664	6.3	6.2	1,758	1,750	5.4	5.3
Widowed, divorced, or separated .....	1,388	1,385	6.8	6.7	495	498	6.0	5.8	893	887	7.4	7.3
Single (never married) .....	2,133	2,127	6.3	6.1	1,067	1,016	5.7	5.3	1,067	1,110	7.1	7.0
<b>FULL- OR PART-TIME STATUS</b>												
Primary job full time, secondary job part time .....	4,488	4,478	-	-	2,661	2,608	-	-	1,827	1,870	-	-
Primary and secondary jobs both part time .....	1,689	1,635	-	-	521	512	-	-	1,168	1,124	-	-
Primary and secondary jobs both full time .....	237	266	-	-	169	188	-	-	68	78	-	-
Hours vary on primary or secondary job .....	1,509	1,504	-	-	869	848	-	-	640	656	-	-

<sup>1</sup> Multiple jobholders as a percent of all employed persons in specified group.

<sup>2</sup> 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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	1997	1998	1997	1998
<b>SEX AND AGE</b>				
Total, 16 years and over .....	93,578	95,595	\$503	\$523
Men, 16 years and over .....	53,220	54,313	579	598
16 to 24 years .....	6,174	6,325	317	334
25 years and over .....	47,046	47,988	615	639
Women, 16 years and over .....	40,358	41,282	431	456
16 to 24 years .....	4,522	4,721	292	305
25 years and over .....	35,836	36,561	462	485
<b>RACE, HISPANIC ORIGIN, AND SEX</b>				
White .....	77,973	79,403	519	545
Men .....	45,349	46,087	595	615
Women .....	32,624	33,316	444	468
Black .....	11,356	11,776	400	426
Men .....	5,517	5,751	432	468
Women .....	5,839	6,025	375	400
Hispanic origin .....	9,996	10,532	351	370
Men .....	6,456	6,716	371	390
Women .....	3,540	3,816	318	337

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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.



**38. Median weekly earnings of part-time wage and salary workers by selected characteristics**

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	1997	1998	1997	1998
<b>SEX AND AGE</b>				
Total, 16 years and over .....	20,710	20,862	\$149	\$156
Men, 16 years and over .....	6,454	6,501	139	146
16 to 24 years .....	3,479	3,582	114	119
25 years and over .....	2,975	2,919	183	197
Women, 16 years and over .....	14,256	14,361	153	161
16 to 24 years .....	4,373	4,500	112	118
25 years and over .....	9,883	9,861	179	191
<b>RACE, HISPANIC ORIGIN, AND SEX</b>				
White .....	17,915	17,886	150	157
Men .....	5,462	5,470	138	146
Women .....	12,454	12,416	155	163
Black .....	1,968	2,096	141	149
Men .....	669	688	142	145
Women .....	1,299	1,408	140	151
Hispanic origin .....	1,877	1,828	144	154
Men .....	692	632	150	162
Women .....	1,184	1,196	140	150

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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex

(Numbers in thousands)

Occupation	1998					
	Both sexes		Men		Women	
	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings
Total, 16 years and over .....	95,595	\$523	54,313	\$598	41,282	\$456
Managerial and professional specialty .....	29,304	759	14,941	905	14,363	655
Executive, administrative, and managerial .....	14,451	755	7,746	915	6,705	626
Administrators and officials, public administration .....	588	823	302	957	286	663
Administrators, protective services .....	54	883	42	( <sup>1</sup> )	13	( <sup>1</sup> )
Financial managers .....	652	852	316	1,017	336	703
Personnel and labor relations managers .....	152	823	55	947	97	747
Purchasing managers .....	136	817	80	965	56	724
Managers, marketing, advertising, and public relations .....	741	960	458	1,128	283	759
Administrators, education and related fields .....	637	877	259	1,111	378	730
Managers, medicine and health .....	626	716	134	869	492	679
Managers, food serving and lodging establishments .....	962	509	538	591	424	434
Managers, properties and real estate .....	301	585	133	638	168	518
Management-related occupations .....	3,818	660	1,580	790	2,238	602
Accountants and auditors .....	1,303	674	523	821	780	618
Underwriters .....	107	658	31	( <sup>1</sup> )	76	625
Other financial officers .....	642	703	295	901	347	591
Management analysts .....	216	841	121	964	95	752
Personnel, training, and labor relations specialists .....	431	630	135	755	295	601
Buyers, wholesale and retail trade, except farm products .....	162	612	85	647	77	590
Construction inspectors .....	63	742	57	760	6	( <sup>1</sup> )
Inspectors and compliance officers, except construction .....	220	741	145	756	74	714
Professional specialty .....	14,853	763	7,195	895	7,658	682
Engineers, architects, and surveyors .....	2,043	988	1,828	1,007	215	827
Architects .....	102	872	87	893	15	( <sup>1</sup> )
Engineers .....	1,930	992	1,730	1,011	200	831
Aerospace engineers .....	75	1,139	68	1,150	6	( <sup>1</sup> )
Chemical engineers .....	68	1,023	56	1,041	12	( <sup>1</sup> )
Civil engineers .....	259	965	229	1,001	30	( <sup>1</sup> )
Electrical and electronic engineers .....	605	1,059	554	1,067	51	931
Industrial engineers .....	248	889	208	912	41	( <sup>1</sup> )
Mechanical engineers .....	313	998	296	1,007	18	( <sup>1</sup> )
Mathematical and computer scientists .....	1,544	938	1,105	986	438	859
Computer systems analysts and scientists .....	1,281	952	941	996	341	890
Operations and systems researchers and analysts .....	208	874	127	937	81	750
Natural scientists .....	470	828	318	908	152	732
Chemists, except biochemists .....	129	884	84	982	45	( <sup>1</sup> )
Biological and life scientists .....	91	739	56	781	34	( <sup>1</sup> )
Medical scientists .....	80	755	41	( <sup>1</sup> )	38	( <sup>1</sup> )
Health diagnosing occupations .....	549	1,134	367	1,227	181	948
Physicians .....	474	1,156	321	1,255	153	966
Health assessment and treating occupations .....	2,102	738	363	791	1,739	730
Registered nurses .....	1,490	739	139	774	1,351	734
Pharmacists .....	139	1,063	80	1,146	59	985
Dietitians .....	58	582	11	( <sup>1</sup> )	47	( <sup>1</sup> )
Therapists .....	362	710	104	713	258	709
Respiratory therapists .....	83	618	37	( <sup>1</sup> )	46	( <sup>1</sup> )
Physical therapists .....	87	906	26	( <sup>1</sup> )	61	887
Speech therapists .....	75	725	5	( <sup>1</sup> )	71	729
Physicians' assistants .....	53	611	30	( <sup>1</sup> )	24	( <sup>1</sup> )
Teachers, college and university .....	578	907	366	998	211	769
Teachers, except college and university .....	3,974	671	1,022	746	2,952	644
Teachers, prekindergarten and kindergarten .....	412	397	8	( <sup>1</sup> )	404	398
Teachers, elementary school .....	1,706	691	274	749	1,433	677
Teachers, secondary school .....	1,121	736	490	773	631	698
Teachers, special education .....	318	701	58	733	259	693
Counselors, educational and vocational .....	192	695	61	725	131	689
Librarians, archivists, and curators .....	177	656	31	( <sup>1</sup> )	146	640
Librarians .....	159	665	22	( <sup>1</sup> )	136	653
Social scientists and urban planners .....	286	758	145	878	141	661
Economists .....	99	900	57	991	42	( <sup>1</sup> )
Psychologists .....	143	679	65	740	78	621

See footnotes at end of table.

39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex — Continued

(Numbers in thousands)

Occupation	1998					
	Both sexes		Men		Women	
	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings
Social, recreation, and religious workers .....	1,113	557	542	593	571	531
Social workers .....	654	579	227	609	427	568
Recreation workers .....	105	353	31	( <sup>1</sup> )	74	351
Clergy .....	275	593	250	603	25	( <sup>1</sup> )
Lawyers and judges .....	562	1,218	370	1,348	193	956
Lawyers .....	527	1,209	346	1,350	181	951
Writers, artists, entertainers, and athletes .....	1,264	647	677	713	587	591
Technical writers .....	63	810	27	( <sup>1</sup> )	36	( <sup>1</sup> )
Designers .....	407	635	208	720	199	562
Actors and directors .....	88	733	53	801	35	( <sup>1</sup> )
Painters, sculptors, craft artists, and artist printmakers .....	99	562	52	680	47	( <sup>1</sup> )
Photographers .....	51	526	36	( <sup>1</sup> )	15	( <sup>1</sup> )
Editors and reporters .....	215	723	120	812	95	616
Public relations specialists .....	127	707	49	( <sup>1</sup> )	77	680
Technical, sales, and administrative support .....	27,372	477	10,439	606	16,933	419
Technicians and related support .....	3,507	599	1,773	701	1,734	511
Health technologists and technicians .....	1,296	502	279	588	1,017	486
Clinical laboratory technologists and technicians .....	281	566	65	585	216	549
Radiologic technicians .....	135	631	45	( <sup>1</sup> )	90	595
Licensed practical nurses .....	289	473	14	( <sup>1</sup> )	276	470
Engineering and related technologists and technicians .....	888	638	718	668	170	529
Electrical and electronic technicians .....	421	642	354	665	68	551
Drafting occupations .....	200	642	162	675	38	( <sup>1</sup> )
Surveying and mapping technicians .....	66	668	58	682	8	( <sup>1</sup> )
Science technicians .....	241	557	149	623	92	463
Biological technicians .....	86	482	27	( <sup>1</sup> )	59	449
Chemical technicians .....	76	614	61	688	14	( <sup>1</sup> )
Technicians, except health, engineering, and science .....	1,082	738	627	870	455	609
Airplane pilots and navigators .....	81	1,383	81	1,381	-	-
Computer programmers .....	554	843	397	884	157	715
Legal assistants .....	308	578	58	561	249	581
Sales occupations .....	9,636	502	5,299	622	4,338	372
Supervisors and proprietors .....	3,205	570	1,860	649	1,345	449
Sales representatives, finance and business services .....	1,774	659	982	772	792	566
Insurance sales .....	374	629	195	760	179	534
Real estate sales .....	353	663	157	763	196	575
Securities and financial services sales .....	377	758	262	930	115	598
Advertising and related sales .....	150	631	60	760	90	594
Sales occupations, other business services .....	520	626	308	715	212	516
Sales representatives, commodities, except retail .....	1,287	728	970	765	317	603
Sales workers, retail and personal services .....	3,347	312	1,483	412	1,865	272
Sales workers, motor vehicles and boats .....	285	587	256	609	30	( <sup>1</sup> )
Sales workers, apparel .....	153	296	37	( <sup>1</sup> )	116	283
Sales workers, furniture and home furnishings .....	110	458	63	509	47	( <sup>1</sup> )
Sales workers, radio, television, hi-fi, and appliances .....	189	410	144	431	45	( <sup>1</sup> )
Sales workers, hardware and building supplies .....	211	434	169	461	42	( <sup>1</sup> )
Sales workers, parts .....	144	390	130	403	15	( <sup>1</sup> )
Sales workers, other commodities .....	670	311	258	388	411	287
Sales counter clerks .....	86	296	27	( <sup>1</sup> )	59	266
Cashiers .....	1,350	267	335	302	1,015	259
Street and door-to-door sales workers .....	87	404	34	( <sup>1</sup> )	53	355
Administrative support, including clerical .....	14,229	438	3,368	518	10,862	418
Supervisors .....	689	599	276	679	413	556
General office .....	384	586	117	698	267	547
Financial records processing .....	87	616	15	( <sup>1</sup> )	72	590
Distribution, scheduling, and adjusting clerks .....	199	620	133	640	66	551
Computer equipment operators .....	346	511	153	591	192	477
Computer operators .....	343	513	151	595	192	478
Secretaries, stenographers, and typists .....	2,717	437	59	484	2,658	436
Secretaries .....	2,234	431	35	( <sup>1</sup> )	2,199	430
Stenographers .....	64	456	3	( <sup>1</sup> )	61	456
Typists .....	419	467	22	( <sup>1</sup> )	397	469

See footnotes at end of table.

39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex — Continued

(Numbers in thousands)

Occupation	1998					
	Both sexes		Men		Women	
	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings
Information clerks .....	1,328	367	142	453	1,186	363
Interviewers .....	113	399	15	( <sup>1</sup> )	97	393
Hotel clerks .....	84	311	20	( <sup>1</sup> )	64	312
Transportation ticket and reservation agents .....	215	463	55	563	160	433
Receptionists .....	664	352	19	( <sup>1</sup> )	645	351
Records processing, except financial .....	742	417	150	419	592	416
Order clerks .....	217	451	57	455	160	450
Personnel clerks, except payroll and timekeeping .....	65	491	11	( <sup>1</sup> )	54	487
Library clerks .....	64	358	13	( <sup>1</sup> )	51	349
File clerks .....	209	368	40	( <sup>1</sup> )	169	367
Records clerks .....	174	440	27	( <sup>1</sup> )	147	436
Financial records processing .....	1,485	429	134	466	1,351	426
Bookkeepers, accounting, and auditing clerks .....	1,078	428	91	455	987	426
Payroll and timekeeping clerks .....	130	476	13	( <sup>1</sup> )	117	474
Billing clerks .....	153	413	22	( <sup>1</sup> )	131	409
Billing, posting, and calculating machine operators .....	84	415	3	( <sup>1</sup> )	81	409
Duplicating, mail and other office machine operators .....	66	346	29	( <sup>1</sup> )	36	( <sup>1</sup> )
Communications equipment operators .....	144	397	29	( <sup>1</sup> )	114	368
Telephone operators .....	128	399	19	( <sup>1</sup> )	109	372
Mail and message distributing .....	858	603	549	633	309	542
Postal clerks, except mail carriers .....	308	640	168	668	140	617
Mail carriers, postal service .....	316	681	230	699	87	613
Mail clerks, except postal service .....	138	372	75	443	63	332
Messengers .....	95	392	76	408	19	( <sup>1</sup> )
Material recording, scheduling, and distributing clerks .....	1,717	446	980	476	738	414
Dispatchers .....	218	479	113	516	105	403
Production coordinators .....	249	581	108	724	141	518
Traffic, shipping, and receiving clerks .....	562	408	398	416	164	385
Stock and inventory clerks .....	405	432	235	452	169	406
Expeditors .....	192	403	66	477	126	373
Adjusters and investigators .....	1,572	470	411	567	1,161	445
Insurance adjusters, examiners, and investigators .....	420	522	124	671	297	487
Investigators and adjusters, except insurance .....	881	455	220	522	661	431
Eligibility clerks, social welfare .....	87	459	13	( <sup>1</sup> )	74	449
Bill and account collectors .....	183	433	53	494	129	411
Miscellaneous administrative support occupations .....	2,568	401	457	482	2,111	389
General office clerks .....	526	400	104	453	422	392
Bank tellers .....	291	330	25	( <sup>1</sup> )	265	329
Data-entry keyers .....	572	418	106	470	467	409
Statistical clerks .....	87	409	15	( <sup>1</sup> )	72	386
Teachers' aides .....	353	307	27	( <sup>1</sup> )	326	304
Service occupations .....	10,592	327	5,291	389	5,301	296
Private household .....	381	223	19	( <sup>1</sup> )	362	220
Child care workers .....	136	204	4	( <sup>1</sup> )	132	208
Cleaners and servants .....	236	235	11	( <sup>1</sup> )	225	227
Protective services .....	2,140	598	1,817	613	323	481
Supervisors .....	215	771	198	786	18	( <sup>1</sup> )
Police and detectives .....	117	853	105	864	11	( <sup>1</sup> )
Guards .....	54	506	47	( <sup>1</sup> )	6	( <sup>1</sup> )
Firefighting and fire prevention .....	230	732	224	731	6	( <sup>1</sup> )
Firefighting .....	210	734	205	731	5	( <sup>1</sup> )
Police and detectives .....	1,050	646	882	662	168	583
Police and detectives, public service .....	602	723	530	738	72	633
Sheriffs, bailiffs, and other law enforcement officers .....	164	594	137	595	27	( <sup>1</sup> )
Correctional institution officers .....	284	557	215	571	69	509
Guards .....	645	369	513	378	132	330
Guards and police, except public service .....	611	375	495	382	116	347
Service occupations, except private household and protective .....	8,070	307	3,455	325	4,616	295
Food preparation and service occupations .....	3,032	288	1,581	303	1,451	271
Supervisors .....	233	352	103	427	131	304
Bartenders .....	178	336	83	379	96	293
Waiters and waitresses .....	575	300	159	343	416	282

See footnotes at end of table.

39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex — Continued

(Numbers in thousands)

Occupation	1998					
	Both sexes		Men		Women	
	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings
Cooks, except short order .....	1,250	289	831	305	419	259
Food counter, fountain, and related occupations .....	100	242	40	( <sup>1</sup> )	59	241
Kitchen workers, food preparation .....	135	274	42	( <sup>1</sup> )	93	275
Waiters' and waitresses' assistants .....	233	267	119	268	115	265
Miscellaneous food preparation occupations .....	327	265	204	263	124	269
Health service occupations .....	1,718	318	218	342	1,500	315
Dental assistants .....	153	369	3	( <sup>1</sup> )	151	369
Health aides, except nursing .....	234	346	45	( <sup>1</sup> )	189	335
Nursing aides, orderlies, and attendants .....	1,330	311	170	330	1,160	308
Cleaning and building service occupations .....	2,234	319	1,378	358	856	288
Supervisors .....	157	401	95	457	62	348
Maids and housemen .....	453	277	96	305	357	272
Janitors and cleaners .....	1,567	327	1,132	355	435	292
Pest control .....	54	358	52	356	2	( <sup>1</sup> )
Personal service occupations .....	1,086	311	278	368	809	301
Supervisors .....	65	503	32	( <sup>1</sup> )	33	( <sup>1</sup> )
Hairdressers and cosmetologists .....	289	313	31	( <sup>1</sup> )	259	313
Attendants, amusement and recreation facilities .....	111	321	63	382	48	( <sup>1</sup> )
Public transportation attendants .....	76	524	16	( <sup>1</sup> )	60	575
Early childhood teachers' assistants .....	239	265	8	( <sup>1</sup> )	231	264
Precision production, craft, and repair .....	11,691	572	10,741	587	949	408
Mechanics and repairers .....	4,081	597	3,926	599	155	519
Supervisors .....	247	743	232	748	15	( <sup>1</sup> )
Mechanics and repairers, except supervisors .....	3,834	590	3,694	592	140	516
Vehicle and mobile equipment mechanics and repairers .....	1,494	552	1,482	552	12	( <sup>1</sup> )
Automobile mechanics .....	653	493	652	494	2	( <sup>1</sup> )
Bus, truck, and stationary engine mechanics .....	312	563	309	561	3	( <sup>1</sup> )
Aircraft engine mechanics .....	140	780	136	782	4	( <sup>1</sup> )
Automobile body and related repairers .....	134	510	134	510	-	-
Heavy equipment mechanics .....	159	636	159	636	-	-
Industrial machinery repairers .....	532	608	520	611	12	( <sup>1</sup> )
Electrical and electronic equipment repairers .....	764	665	682	677	82	550
Electronic repairers, communications and industrial equipment .....	160	579	148	590	11	( <sup>1</sup> )
Data processing equipment repairers .....	224	641	189	657	36	( <sup>1</sup> )
Telephone installers and repairers .....	225	750	194	762	30	( <sup>1</sup> )
Miscellaneous electrical and electronic equipment repairers .....	81	644	77	629	3	( <sup>1</sup> )
Heating, air conditioning, and refrigeration mechanics .....	246	594	244	594	1	( <sup>1</sup> )
Miscellaneous mechanics and repairers .....	786	584	753	588	32	( <sup>1</sup> )
Office machine repairers .....	59	594	57	598	1	( <sup>1</sup> )
Millwrights .....	84	712	83	714	1	( <sup>1</sup> )
Construction trades .....	4,054	543	3,989	545	64	408
Supervisors .....	481	708	477	709	4	( <sup>1</sup> )
Construction trades, except supervisors .....	3,573	520	3,512	522	61	403
Brickmasons and stonemasons .....	125	573	123	573	2	( <sup>1</sup> )
Carpet installers .....	68	476	68	476	-	-
Carpenters .....	920	490	909	491	10	( <sup>1</sup> )
Drywall installers .....	136	493	134	496	3	( <sup>1</sup> )
Electricians .....	717	643	701	642	16	( <sup>1</sup> )
Electrical power installers and repairers .....	135	789	134	795	1	( <sup>1</sup> )
Painters, construction and maintenance .....	336	402	321	406	15	( <sup>1</sup> )
Plumbers, pipefitters, steamfitters, and apprentices .....	428	593	422	595	5	( <sup>1</sup> )
Concrete and terrazzo finishers .....	72	483	72	483	-	-
Roofers .....	172	441	171	443	1	( <sup>1</sup> )
Structural metalworkers .....	54	583	54	583	-	-
Extractive occupations .....	120	633	119	631	1	( <sup>1</sup> )
Precision production occupations .....	3,436	558	2,707	611	729	392
Supervisors .....	1,136	645	943	686	193	478
Precision metalworking occupations .....	873	610	816	621	57	444
Tool and die makers .....	130	784	129	786	1	( <sup>1</sup> )
Machinists .....	508	594	475	601	33	( <sup>1</sup> )
Sheet-metal workers .....	116	584	112	591	4	( <sup>1</sup> )

See footnotes at end of table.

39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex — Continued

(Numbers in thousands)

Occupation	1998					
	Both sexes		Men		Women	
	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings
Precision woodworking occupations .....	88	475	77	507	11	(1)
Cabinet makers and bench carpenters .....	60	531	55	552	4	(1)
Precision textile, apparel, and furnishings machine workers .....	122	387	80	394	42	(1)
Precision workers, assorted materials .....	489	402	203	501	285	361
Optical goods workers .....	65	412	26	(1)	39	(1)
Electrical and electronic equipment assemblers .....	319	381	101	472	218	357
Precision food production occupations .....	333	401	238	422	95	344
Butchers and meat cutters .....	199	416	164	456	35	(1)
Bakers .....	97	352	60	375	37	(1)
Precision inspectors, testers, and related workers .....	139	623	103	676	37	(1)
Inspectors, testers, and graders .....	134	630	98	680	36	(1)
Plant and system operators .....	256	694	248	703	8	(1)
Water and sewage treatment plant operators .....	57	586	54	600	4	(1)
Stationary engineers .....	125	714	123	718	2	(1)
Operators, fabricators, and laborers .....	15,082	415	11,564	456	3,518	327
Machine operators, assemblers, and inspectors .....	6,987	406	4,482	472	2,505	328
Machine operators and tenders, except precision .....	4,452	399	2,866	461	1,586	320
Metalworking and plastic working machine operators .....	389	475	323	496	66	387
Punching and stamping press machine operators .....	108	406	77	440	32	(1)
Grinding, abrading, buffing, and polishing machine operators .....	120	441	108	453	12	(1)
Metal and plastic processing machine operators .....	160	446	127	468	33	(1)
Molding and casting machine operators .....	102	430	77	448	25	(1)
Woodworking machine operators .....	127	379	106	394	21	(1)
Sawing machine operators .....	81	366	70	375	11	(1)
Printing machine operators .....	357	495	273	533	83	384
Printing press operators .....	279	490	233	514	46	(1)
Textile, apparel, and furnishings machine operators .....	784	293	215	318	569	285
Textile sewing machine operators .....	435	280	74	300	361	278
Pressing machine operators .....	64	276	17	(1)	47	(1)
Laundering and dry cleaning machine operators .....	136	287	61	301	76	270
Machine operators, assorted materials .....	2,616	416	1,809	465	807	347
Packaging and filling machine operators .....	363	327	155	358	208	316
Mixing and blending machine operators .....	119	455	112	459	7	(1)
Painting and paint spraying machine operators .....	189	413	166	422	24	(1)
Furnace, kiln, and oven operators, exc. food .....	77	554	75	558	2	(1)
Slicing and cutting machine operators .....	164	389	121	445	43	(1)
Photographic process machine operators .....	77	321	33	(1)	43	(1)
Fabricators, assemblers, and hand working occupations .....	1,845	421	1,256	482	589	347
Welders and cutters .....	550	518	519	527	30	(1)
Assemblers .....	1,199	392	683	445	516	347
Production inspectors, testers, samplers, and weighers .....	690	412	360	517	330	336
Production inspectors, checkers, and examiners .....	487	448	254	544	233	358
Graders and sorters, except agricultural .....	150	306	65	351	85	289
Transportation and material moving occupations .....	4,322	510	3,977	519	345	373
Motor vehicle operators .....	3,144	503	2,870	514	273	362
Supervisors .....	79	595	61	625	18	(1)
Truck drivers .....	2,458	516	2,345	520	114	371
Drivers--sales workers .....	143	526	129	554	14	(1)
Bus drivers .....	273	428	160	476	112	352
Taxicab drivers and chauffeurs .....	162	379	150	386	12	(1)
Transportation occupations, except motor vehicles .....	150	834	141	862	10	(1)
Rail transportation .....	101	849	93	888	8	(1)
Material moving equipment operators .....	1,028	505	966	510	62	397
Operating engineers .....	223	570	217	568	6	(1)
Crane and tower operators .....	65	576	61	572	4	(1)
Excavating and loading machine operators .....	80	557	79	558	-	-
Grader, dozer, and scraper operators .....	59	572	58	578	2	(1)
Industrial truck and tractor equipment operators .....	501	452	463	455	39	(1)

See footnotes at end of table.

39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex — Continued

(Numbers in thousands)

Occupation	1998					
	Both sexes		Men		Women	
	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings	Number of workers	Median weekly earnings
Handlers, equipment cleaners, helpers, and laborers .....	3,773	351	3,105	362	669	311
Helpers, construction and extractive occupations .....	112	341	110	340	1	( <sup>1</sup> )
Helpers, construction trades .....	108	335	106	334	1	( <sup>1</sup> )
Construction laborers .....	729	390	706	393	23	( <sup>1</sup> )
Freight, stock, and material handlers .....	1,192	339	956	350	236	312
Stock handlers and baggers .....	563	300	406	304	157	291
Machine feeders and offbearers .....	66	363	46	( <sup>1</sup> )	20	( <sup>1</sup> )
Garage and service station related occupations .....	127	293	118	297	9	( <sup>1</sup> )
Vehicle washers and equipment cleaners .....	213	317	190	322	23	( <sup>1</sup> )
Hand packers and packagers .....	255	304	92	307	164	301
Laborers, except construction .....	1,055	373	853	384	202	331
Farming, forestry, and fishing .....	1,555	302	1,337	307	218	272
Farm operators and managers .....	69	424	59	475	10	( <sup>1</sup> )
Farm managers .....	63	459	53	486	9	( <sup>1</sup> )
Other agricultural and related occupations .....	1,425	298	1,221	303	204	270
Farm occupations, except managerial .....	650	285	563	288	88	264
Farm workers .....	602	281	525	285	77	262
Related agricultural occupations .....	775	308	658	314	117	274
Supervisors, related agricultural .....	63	469	59	479	4	( <sup>1</sup> )
Groundskeepers and gardeners, except farm .....	598	306	569	306	29	( <sup>1</sup> )
Animal caretakers, except farm .....	51	300	13	( <sup>1</sup> )	38	( <sup>1</sup> )
Graders and sorters, agricultural products .....	61	259	15	( <sup>1</sup> )	45	( <sup>1</sup> )

<sup>1</sup> Data not shown where base is less than 50,000.

procedures and revised population controls used in the household survey.

NOTE: Beginning in January 1998, data reflect new composite estimation

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**40. Union affiliation of employed wage and salary workers by selected characteristics**

(Numbers in thousands)

Characteristic	1997					1998				
	Total employed	Members of unions <sup>1</sup>		Represented by unions <sup>2</sup>		Total employed	Members of unions <sup>1</sup>		Represented by unions <sup>2</sup>	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
<b>SEX AND AGE</b>										
Total, 16 years and over .....	114,533	16,110	14.1	17,923	15.6	116,730	16,211	13.9	17,918	15.4
16 to 24 years .....	18,571	968	5.2	1,140	6.1	19,164	1,014	5.3	1,151	6.0
25 years and over .....	95,962	15,142	15.8	16,783	17.5	97,566	15,198	15.6	16,767	17.2
25 to 34 years .....	29,408	3,434	11.7	3,870	13.2	29,121	3,332	11.4	3,711	12.7
35 to 44 years .....	31,461	4,987	15.9	5,571	17.7	31,865	5,013	15.7	5,511	17.3
45 to 54 years .....	22,714	4,645	20.5	5,092	22.4	23,579	4,737	20.1	5,220	22.1
55 to 64 years .....	9,871	1,894	19.2	2,045	20.7	10,427	1,923	18.4	2,110	20.2
65 years and over .....	2,509	182	7.3	205	8.2	2,574	193	7.5	214	8.3
Men, 16 years and over .....	59,825	9,763	16.3	10,619	17.7	60,973	9,850	16.2	10,638	17.4
16 to 24 years .....	9,666	612	6.3	691	7.1	9,927	637	6.4	719	7.2
25 years and over .....	50,159	9,150	18.2	9,928	19.8	51,046	9,213	18.0	9,919	19.4
25 to 34 years .....	15,832	2,132	13.5	2,359	14.9	15,656	2,112	13.5	2,301	14.7
35 to 44 years .....	16,430	3,068	18.7	3,346	20.4	16,768	3,055	18.2	3,264	19.5
45 to 54 years .....	11,471	2,718	23.7	2,908	25.4	11,874	2,771	23.3	2,982	25.1
55 to 64 years .....	5,101	1,130	22.1	1,198	23.5	5,404	1,177	21.8	1,265	23.4
65 years and over .....	1,324	103	7.8	118	8.9	1,343	98	7.3	108	8.0
Women, 16 years and over .....	54,708	6,347	11.6	7,304	13.4	55,757	6,362	11.4	7,280	13.1
16 to 24 years .....	8,906	355	4.0	449	5.0	9,237	377	4.1	432	4.7
25 years and over .....	45,802	5,992	13.1	6,855	15.0	46,520	5,985	12.9	6,848	14.7
25 to 34 years .....	13,575	1,302	9.6	1,512	11.1	13,464	1,219	9.1	1,410	10.5
35 to 44 years .....	15,030	1,919	12.8	2,225	14.8	15,097	1,958	13.0	2,248	14.9
45 to 54 years .....	11,242	1,927	17.1	2,184	19.4	11,705	1,967	16.8	2,238	19.1
55 to 64 years .....	4,770	764	16.0	847	17.8	5,023	746	14.9	845	16.8
65 years and over .....	1,184	80	6.7	87	7.3	1,231	95	7.7	106	8.6
<b>RACE, HISPANIC ORIGIN, AND SEX</b>										
White, 16 years and over .....	96,104	13,088	13.6	14,538	15.1	97,531	13,118	13.5	14,460	14.8
Men .....	50,941	8,171	16.0	8,859	17.4	51,700	8,166	15.8	8,788	17.0
Women .....	45,163	4,917	10.9	5,679	12.6	45,831	4,952	10.8	5,673	12.4
Black, 16 years and over .....	13,346	2,394	17.9	2,688	20.1	13,894	2,460	17.7	2,739	19.7
Men .....	6,201	1,251	20.2	1,378	22.2	6,452	1,337	20.7	1,458	22.6
Women .....	7,145	1,143	16.0	1,309	18.3	7,443	1,123	15.1	1,282	17.2
Hispanic origin, 16 years and over .....	11,881	1,407	11.8	1,602	13.5	12,374	1,471	11.9	1,634	13.2
Men .....	7,153	904	12.6	1,023	14.3	7,360	937	12.7	1,017	13.8
Women .....	4,728	503	10.6	579	12.2	5,015	534	10.6	617	12.3
<b>FULL- OR PART-TIME STATUS<sup>3</sup></b>										
Full-time workers .....	93,578	14,619	15.6	16,227	17.3	95,595	14,825	15.5	16,323	17.1
Part-time workers .....	20,710	1,449	7.0	1,653	8.0	20,862	1,354	6.5	1,559	7.5

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>3</sup> The distinction between full- and part-time workers is based on hours usually worked. Beginning in 1994, these data will not sum to totals because full- or part-time status on the principal job is not identifiable for a small number of multiple jobholders.

NOTE: Data refer to the sole or principal job of full- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated. 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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**41. Median weekly earnings of full-time wage and salary workers by union affiliation and selected characteristics**

Characteristic	1997				1998			
	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union
<b>SEX AND AGE</b>								
Total, 16 years and over .....	\$503	\$640	\$632	\$478	\$523	\$659	\$653	\$499
16 to 24 years .....	306	385	384	302	319	415	410	315
25 years and over .....	540	655	648	511	572	673	667	537
25 to 34 years .....	481	579	572	466	502	595	591	489
35 to 44 years .....	579	675	666	548	597	683	678	576
45 to 54 years .....	607	704	697	578	620	716	712	592
55 to 64 years .....	558	661	657	512	592	697	692	560
65 years and over .....	393	614	609	374	405	610	597	383
Men, 16 years and over .....	579	683	679	539	598	699	696	573
16 to 24 years .....	317	402	404	313	334	430	424	326
25 years and over .....	615	697	693	595	639	712	709	617
25 to 34 years .....	515	607	603	503	544	618	615	524
35 to 44 years .....	651	712	708	630	677	722	719	660
45 to 54 years .....	713	744	741	698	732	755	755	719
55 to 64 years .....	669	702	701	649	699	738	737	674
65 years and over .....	452	677	672	415	482	657	659	445
Women, 16 years and over .....	431	577	568	411	456	596	593	430
16 to 24 years .....	292	353	351	289	305	389	382	301
25 years and over .....	462	587	581	437	485	605	602	463
25 to 34 years .....	427	521	514	416	451	542	542	439
35 to 44 years .....	482	592	585	461	498	605	605	479
45 to 54 years .....	495	627	620	465	516	651	645	488
55 to 64 years .....	433	582	575	408	476	602	596	448
65 years and over .....	348	( <sup>3</sup> )	586	324	350	548	522	329
<b>RACE, HISPANIC ORIGIN, AND SEX</b>								
White, 16 years and over .....	519	\$663	654	494	545	683	678	513
Men .....	595	699	695	569	615	719	716	591
Women .....	444	595	587	421	468	610	607	443
Black, 16 years and over .....	400	533	523	371	426	578	572	398
Men .....	432	577	573	396	468	597	592	424
Women .....	375	504	496	349	400	537	533	376
Hispanic origin, 16 years and over .....	351	506	501	331	370	540	541	350
Men .....	371	538	526	348	390	585	584	367
Women .....	318	440	430	309	337	478	481	322

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>3</sup> Data not shown where base is less than 50,000.

NOTE: Data refer to the sole or principal job of full-time workers. Excluded

are all self-employed workers regardless of whether or not their businesses are incorporated. 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 1998, data reflect new composite estimation procedures and revised population population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**42. Union affiliation of employed wage and salary workers by occupation and industry**

(Numbers in thousands)

Occupation and industry	1997					1998				
	Total employed	Members of unions <sup>1</sup>		Represented by unions <sup>2</sup>		Total employed	Members of unions <sup>1</sup>		Represented by unions <sup>2</sup>	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
<b>OCCUPATION</b>										
Managerial and professional specialty .....	31,946	4,208	13.2	4,951	15.5	33,102	4,252	12.8	5,015	15.2
Executive, administrative, and managerial .....	14,908	763	5.1	959	6.4	15,473	812	5.2	1,017	6.6
Professional specialty .....	17,037	3,445	20.2	3,992	23.4	17,629	3,440	19.5	3,998	22.7
Technical, sales, and administrative support .....	34,796	3,158	9.1	3,648	10.5	35,379	3,239	9.2	3,677	10.4
Technicians and related support .....	4,111	427	10.4	501	12.2	4,150	433	10.4	498	12.0
Sales occupations .....	13,055	559	4.3	659	5.0	13,378	544	4.1	620	4.6
Administrative support, including clerical .....	17,631	2,172	12.3	2,488	14.1	17,851	2,262	12.7	2,558	14.3
Service occupations .....	16,204	2,141	13.2	2,356	14.5	16,594	2,209	13.3	2,398	14.5
Protective service .....	2,248	897	39.9	965	42.9	2,399	991	41.3	1,048	43.7
Service, except protective service .....	13,956	1,244	8.9	1,391	10.0	14,195	1,218	8.6	1,350	9.5
Precision production, craft, and repair .....	12,069	2,723	22.6	2,864	23.7	12,274	2,708	22.1	2,834	23.1
Operators, fabricators, and laborers .....	17,629	3,791	21.5	4,008	22.7	17,443	3,713	21.3	3,894	22.3
Machine operators, assemblers, and inspectors .....	7,717	1,690	21.9	1,764	22.9	7,498	1,603	21.4	1,672	22.3
Transportation and material moving occupations .....	4,931	1,199	24.3	1,279	25.9	4,935	1,204	24.4	1,267	25.7
Handlers, equipment cleaners, helpers, and laborers .....	4,981	901	18.1	964	19.4	5,010	906	18.1	956	19.1
Farming, forestry, and fishing .....	1,890	88	4.6	97	5.1	1,938	90	4.6	100	5.2
<b>INDUSTRY</b>										
Private wage and salary workers .....	96,386	9,363	9.7	10,255	10.6	98,329	9,306	9.5	10,104	10.3
Agriculture <sup>3</sup> .....	1,681	36	2.2	40	2.4	1,739	26	1.5	31	1.8
Nonagricultural industries .....	94,705	9,327	9.8	10,215	10.8	96,590	9,280	9.6	10,073	10.4
Mining .....	607	84	13.9	87	14.3	589	72	12.2	79	13.4
Construction .....	5,739	1,067	18.6	1,118	19.5	5,946	1,056	17.8	1,093	18.4
Manufacturing .....	19,961	3,253	16.3	3,441	17.2	19,763	3,127	15.8	3,315	16.8
Durable goods .....	11,908	2,090	17.5	2,198	18.5	11,999	1,990	16.6	2,097	17.5
Nondurable goods .....	8,053	1,164	14.5	1,243	15.4	7,763	1,138	14.7	1,218	15.7
Transportation and public utilities .....	6,949	1,804	26.0	1,909	27.5	7,147	1,843	25.8	1,931	27.0
Transportation .....	4,212	1,118	26.5	1,177	27.9	4,316	1,108	25.7	1,156	26.8
Communications and public utilities .....	2,737	686	25.1	731	26.7	2,831	735	26.0	775	27.4
Wholesale and retail trade .....	23,676	1,315	5.6	1,469	6.2	24,230	1,283	5.3	1,387	5.7
Wholesale trade .....	4,296	251	5.8	284	6.6	4,425	259	5.9	275	6.2
Retail trade .....	19,379	1,065	5.5	1,186	6.1	19,805	1,024	5.2	1,113	5.6
Finance, insurance, and real estate .....	7,070	155	2.2	199	2.8	7,420	150	2.0	195	2.6
Services .....	30,704	1,647	5.4	1,993	6.5	31,493	1,750	5.6	2,073	6.6
Government workers .....	18,147	6,747	37.2	7,668	42.3	18,401	6,905	37.5	7,815	42.5
Federal .....	3,217	1,030	32.0	1,266	39.4	3,269	1,105	33.8	1,299	39.7
State .....	5,031	1,485	29.5	1,679	33.4	5,150	1,431	27.8	1,667	32.4
Local .....	9,899	4,232	42.7	4,723	47.7	9,982	4,370	43.8	4,849	48.6

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>3</sup> Data for 1997 have been corrected.

**NOTE:** Data refer to the sole or principal job of full- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**43. Median weekly earnings of full-time wage and salary workers by union affiliation, occupation, and industry**

Occupation and industry	1997				1998			
	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union	Total	Members of unions <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Non- union
<b>OCCUPATION</b>								
Managerial and professional specialty .....	\$738	\$776	\$766	\$731	\$759	\$789	\$774	\$756
Executive, administrative, and managerial .....	725	757	752	721	755	801	789	753
Professional specialty .....	750	782	769	742	763	787	772	759
Technical, sales, and administrative support .....	456	550	541	441	477	575	569	463
Technicians and related support .....	582	677	675	566	599	708	688	590
Sales occupations .....	482	467	469	483	502	496	492	502
Administrative support, including clerical .....	419	545	534	404	438	563	558	418
Service occupations .....	313	516	505	293	327	557	542	305
Protective service .....	550	724	713	418	598	736	732	450
Service, except protective service .....	293	398	393	283	305	403	402	295
Precision production, craft, and repair .....	548	724	718	501	572	753	747	514
Operators, fabricators, and laborers .....	401	572	561	365	415	585	580	381
Machine operators, assemblers, and inspectors ...	390	533	524	356	406	559	556	375
Transportation and material moving occupations ...	498	658	642	451	510	655	644	468
Handlers, equipment cleaners, helpers, and laborers .....	329	509	506	310	351	514	514	326
Farming, forestry, and fishing .....	295	505	475	290	302	471	462	299
<b>INDUSTRY</b>								
Private wage and salary workers .....	486	609	602	471	505	625	619	493
Agriculture <sup>3</sup> .....	306	( <sup>4</sup> )	( <sup>4</sup> )	305	315	( <sup>4</sup> )	( <sup>4</sup> )	314
Nonagricultural industries .....	490	\$610	\$603	476	509	\$626	\$620	496
Mining .....	680	717	717	668	684	733	723	673
Construction .....	518	771	760	484	534	790	783	496
Manufacturing .....	517	595	592	503	551	606	603	532
Durable goods .....	548	619	616	523	581	629	625	566
Nondurable goods .....	484	536	529	470	507	565	562	495
Transportation and public utilities .....	617	718	714	580	624	731	724	586
Transportation .....	573	702	697	513	570	704	695	519
Communications and public utilities .....	709	746	743	690	727	763	760	699
Wholesale and retail trade .....	391	457	451	387	410	480	476	405
Wholesale trade .....	525	545	536	524	562	611	604	557
Retail trade .....	352	419	415	347	373	442	439	369
Finance, insurance, and real estate .....	546	487	501	548	577	545	554	578
Services .....	475	517	512	470	498	540	548	494
Government workers .....	605	681	671	530	620	694	688	558
Federal .....	684	689	687	678	694	690	693	696
State .....	584	628	621	540	596	646	638	563
Local .....	592	697	682	479	612	712	702	501

<sup>1</sup> Data refer to members of a labor union or an employee association similar to a union.

<sup>2</sup> Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

<sup>3</sup> Data for 1997 have been corrected.

<sup>4</sup> Data not shown where base is less than 50,000.

NOTE: Data refer to the sole or principal job of full-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**44. Absences from work of employed full-time wage and salary workers by age and sex**

(Numbers in thousands)

Age and sex	1998						
	Total employed	Absence rate <sup>1</sup>			Lost worktime rate <sup>2</sup>		
		Total	Illness or injury	Other reasons	Total	Illness or injury	Other reasons
Total, 16 years and over .....	95,579	3.7	2.7	1.1	2.0	1.4	0.6
16 to 19 years .....	2,192	4.0	3.1	.9	1.9	1.4	.5
20 to 24 years .....	8,856	3.9	2.5	1.4	2.0	1.1	.8
25 years and over .....	84,530	3.7	2.7	1.0	2.0	1.5	.6
25 to 54 years .....	74,715	3.7	2.6	1.1	2.0	1.4	.6
55 years and over .....	9,815	4.2	3.4	.8	2.5	2.1	.4
Men, 16 years and over .....	54,300	2.7	2.1	.6	1.5	1.2	.3
16 to 19 years .....	1,294	3.3	2.8	.5	1.6	1.4	.2
20 to 24 years .....	5,067	2.6	2.0	.6	1.2	1.0	.3
25 years and over .....	47,939	2.7	2.1	.6	1.5	1.2	.3
25 to 54 years .....	42,359	2.6	2.0	.6	1.4	1.1	.3
55 years and over .....	5,581	3.6	2.9	.6	2.2	1.9	.3
Women, 16 years and over .....	41,279	5.1	3.4	1.7	2.8	1.8	1.0
16 to 19 years .....	899	5.0	3.4	1.6	2.4	1.4	.9
20 to 24 years .....	3,790	5.6	3.2	2.4	2.9	1.4	1.6
25 years and over .....	36,591	5.1	3.5	1.6	2.8	1.8	1.0
25 to 54 years .....	32,357	5.1	3.4	1.7	2.8	1.7	1.0
55 years and over .....	4,234	5.0	4.0	1.0	2.8	2.3	.5

<sup>1</sup> Absences are defined as instances when persons who usually work 35 or more hours a week worked less than 35 hours during the reference week for one of the following reasons: Own illness, injury, or medical problems; child-care problems; other family or personal obligations; civic or military duty; and maternity or paternity leave. Excluded are situations in which work was missed due to vacation or personal days, holiday, labor dispute, and other reasons. For multiple jobholders, absence data refer only to work missed at their main jobs. The absence rate is the ratio of workers with absences to total full-time wage and salary employment. The

estimates of full-time wage and salary employment shown in this table do not match those in other tables because the estimates in this table are based on the full CPS sample and those in the other tables are based on a quarter of the sample only.

<sup>2</sup> Hours absent as a percent of hours usually worked.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**45. Absences from work of employed full-time wage and salary workers by occupation and industry**

(Numbers in thousands)

Occupation and industry	1998						
	Total employed	Absence rate <sup>1</sup>			Lost worktime rate <sup>2</sup>		
		Total	Illness or injury	Other reasons	Total	Illness or injury	Other reasons
<b>OCCUPATION</b>							
Managerial and professional specialty .....	29,399	3.1	2.0	1.1	1.7	1.0	0.7
Executive, administrative, and managerial .....	14,540	2.8	1.8	.9	1.4	.9	.6
Professional specialty .....	14,859	3.5	2.2	1.2	1.9	1.1	.8
Technical, sales, and administrative support .....	27,105	4.1	2.9	1.2	2.1	1.4	.7
Technicians and related support .....	3,492	4.1	2.9	1.2	2.2	1.4	.8
Sales occupations .....	9,495	3.1	2.2	.9	1.6	1.1	.5
Administrative support, including clerical .....	14,118	4.7	3.3	1.4	2.4	1.6	.8
Service occupations .....	10,530	4.5	3.2	1.2	2.5	1.8	.6
Precision production, craft, and repair .....	11,724	3.3	2.6	.8	1.9	1.5	.3
Operators, fabricators, and laborers .....	15,208	4.3	3.4	.9	2.5	2.1	.4
Farming, forestry, and fishing .....	1,613	2.4	1.9	.6	1.3	1.0	.3
<b>INDUSTRY</b>							
Agricultural wage and salary workers .....	1,462	2.0	1.5	.5	1.1	.8	.3
Private nonagricultural wage and salary workers .....	78,474	3.6	2.6	1.0	2.0	1.4	.6
Mining .....	566	2.2	1.7	.5	1.3	1.0	.3
Construction .....	5,443	3.2	2.4	.9	1.8	1.4	.4
Manufacturing .....	18,929	3.8	2.8	.9	2.1	1.6	.5
Durable goods .....	11,610	3.6	2.8	.8	2.1	1.6	.4
Nondurable goods .....	7,319	3.9	2.9	1.0	2.2	1.7	.5
Transportation and public utilities .....	6,391	3.4	2.6	.8	2.1	1.6	.5
Transportation .....	3,713	3.5	2.8	.8	2.3	1.8	.5
Communications and other public utilities .....	2,677	3.2	2.3	.9	1.9	1.4	.5
Wholesale and retail trade .....	16,699	3.4	2.4	.9	1.8	1.3	.5
Wholesale trade .....	4,051	2.7	2.0	.6	1.4	1.0	.4
Retail trade .....	12,648	3.6	2.6	1.0	1.9	1.4	.5
Finance, insurance, and real estate .....	6,561	3.4	2.3	1.2	1.7	1.0	.7
Services .....	23,885	3.9	2.7	1.2	2.1	1.3	.7
Government workers .....	15,642	4.5	3.3	1.2	2.4	1.6	.7

<sup>1</sup> Absences are defined as instances when persons who usually work 35 or more hours a week worked less than 35 hours during the reference week for one of the following reasons: Own illness, injury, or medical problems; child-care problems; other family or personal obligations; civic or military duty; and maternity or paternity leave. Excluded are situations in which work was missed due to vacation or personal days, holiday, labor dispute, and other reasons. For multiple jobholders, absence data refer only to work missed at their main jobs. The absence rate is the ratio of workers with absences to total full-time wage and salary employment. The

estimates of full-time wage and salary employment shown in this table do not match those in other tables because the estimates in this table are based on the full CPS sample and those in the other tables are based on a quarter of the sample only.

<sup>2</sup> Hours absent as a percent of hours usually worked.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	1997	1998	Total		Employed		Unemployed			
			1997	1998	1997	1998	Number		Percent of labor force	
							1997	1998	1997	1998
<b>VIETNAM-ERA VETERANS</b>										
Total, 40 years and over .....	7,790	7,773	6,644	6,526	6,439	6,348	206	179	3.1	2.7
40 to 54 years .....	6,284	5,950	5,676	5,313	5,496	5,163	180	150	3.2	2.8
40 to 44 years .....	1,002	741	901	662	864	637	37	24	4.1	3.7
45 to 49 years .....	2,683	2,237	2,436	2,011	2,366	1,955	71	56	2.9	2.8
50 to 54 years .....	2,599	2,972	2,338	2,641	2,266	2,571	72	70	3.1	2.6
55 years and over .....	1,506	1,822	969	1,213	943	1,184	26	29	2.7	2.4
<b>NONVETERANS</b>										
Total, 40 to 54 years .....	19,440	20,304	17,621	18,403	17,044	17,879	577	523	3.3	2.8
40 to 44 years .....	8,972	9,218	8,285	8,512	8,007	8,269	278	242	3.4	2.8
45 to 49 years .....	6,212	6,796	5,639	6,190	5,460	6,020	179	170	3.2	2.7
50 to 54 years .....	4,256	4,290	3,696	3,701	3,576	3,590	120	111	3.2	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 1998, data

reflect new composite estimation procedures and revised population controls used in the household survey.

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**47. 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	
	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
<b>Total, 40 to 54 years</b>												
Civilian noninstitutional population .....	5,603	5,272	560	552	262	251	16,403	17,134	2,050	2,136	1,969	2,085
Civilian labor force .....	5,102	4,741	469	463	229	219	15,081	15,748	1,653	1,719	1,772	1,850
Employed .....	4,951	4,614	444	444	218	215	14,648	15,346	1,547	1,628	1,684	1,763
Unemployed .....	151	127	25	20	11	4	433	403	106	91	88	87
Unemployment rate .....	3.0	2.7	5.3	4.2	4.8	1.9	2.9	2.6	6.4	5.3	4.9	4.7
<b>40 to 44 years</b>												
Civilian noninstitutional population .....	851	604	121	113	66	48	7,585	7,796	941	962	922	970
Civilian labor force .....	770	540	102	101	56	42	7,099	7,296	779	796	852	884
Employed .....	739	524	97	96	52	41	6,891	7,114	724	747	811	843
Unemployed .....	31	17	5	5	4	1	208	182	55	48	41	42
Unemployment rate .....	4.1	3.1	4.9	5.0	6.9	2.7	2.9	2.5	7.1	6.1	4.8	4.7
<b>45 to 49 years</b>												
Civilian noninstitutional population .....	2,375	1,951	264	237	97	87	5,251	5,749	664	718	600	674
Civilian labor force .....	2,178	1,767	222	201	84	74	4,826	5,301	545	590	525	596
Employed .....	2,120	1,722	210	190	81	72	4,689	5,166	515	563	500	571
Unemployed .....	58	45	11	11	3	1	137	135	29	27	25	24
Unemployment rate .....	2.6	2.5	5.1	5.4	3.0	1.9	2.8	2.5	5.4	4.5	4.7	4.1
<b>50 to 54 years</b>												
Civilian noninstitutional population .....	2,378	2,718	175	201	99	116	3,567	3,589	445	456	447	441
Civilian labor force .....	2,154	2,433	145	162	90	103	3,156	3,152	328	333	395	370
Employed .....	2,092	2,368	137	158	85	102	3,068	3,066	307	317	373	349
Unemployed .....	62	65	9	4	5	2	88	86	21	16	22	20
Unemployment rate .....	2.9	2.7	5.9	2.4	5.2	1.6	2.8	2.7	6.5	4.8	5.5	5.5

NOTE : Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces. 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 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.