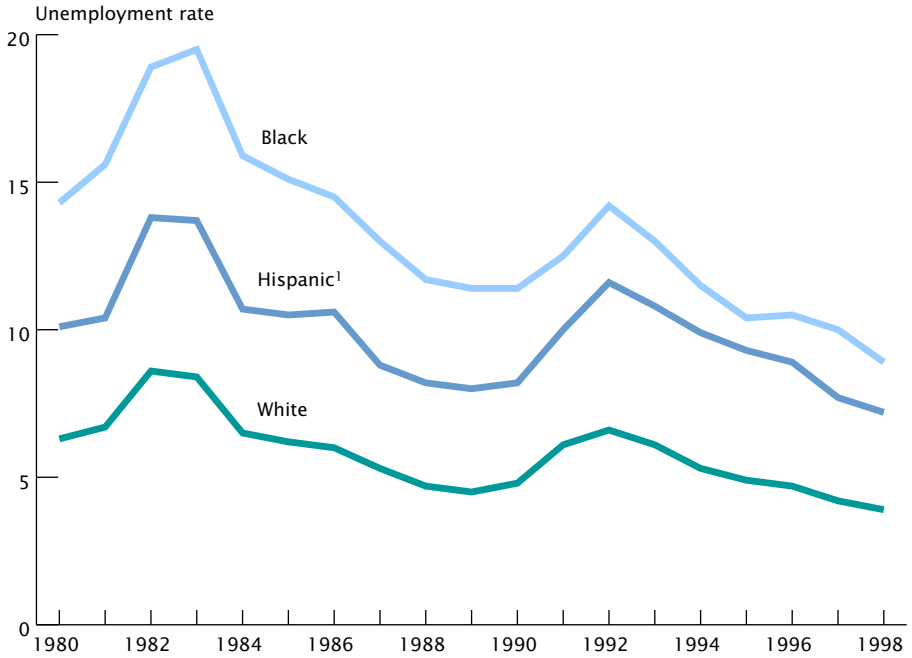


Figure 13.1

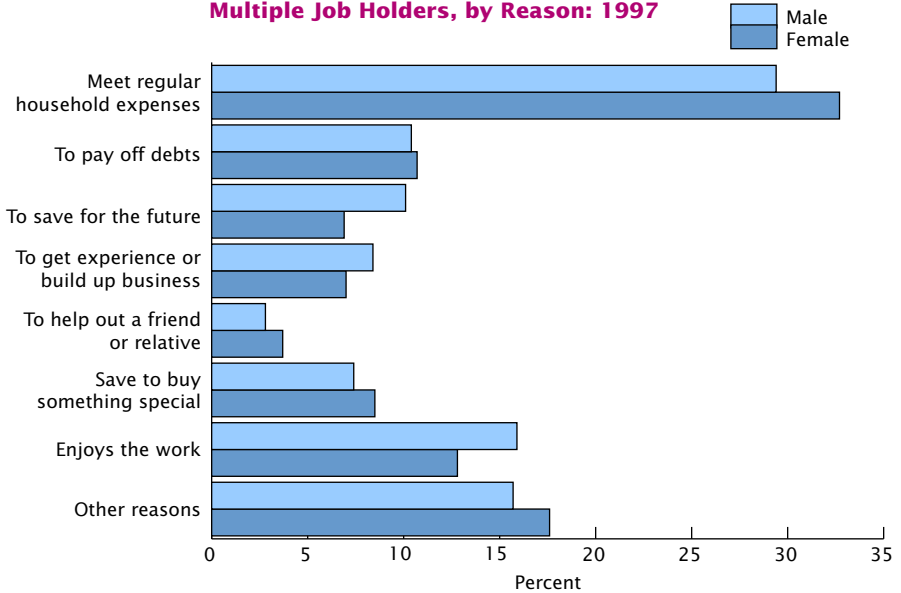
**Unemployment Rate, by Race and Hispanic Origin: 1980 to 1998**



<sup>1</sup> Persons of Hispanic origin may be of any race.  
 Source: Chart prepared by U.S. Census Bureau. For data, see Table 651.

Figure 13.2

**Multiple Job Holders, by Reason: 1997**



Source: Chart prepared by U.S. Census Bureau. For data, see Table 669.

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## Section 13

# Labor Force, Employment, and Earnings

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This section presents statistics on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief source of these data is the Current Population Survey (CPS) conducted by the U.S. Census Bureau for the Bureau of Labor Statistics (BLS). Comprehensive historical and current data are available from the BLS Internet site <<http://stats.bls.gov/cpshome.htm>>. These data are published on a current basis by the BLS monthly publication *Employment and Earnings*. Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

**Types of data**—Most statistics in this section are obtained by two methods: household interviews or questionnaires and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classifications can be readily derived only from establishment records.

Household data are obtained from a monthly sample survey of the population. The CPS is used to gather data for the calendar week including the 12th of the month and provides current comprehensive data on the labor force (see text, Section 1, Population). The CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they worked the most hours during the survey week.

Monthly, quarterly, and annual data from the CPS are published by the Bureau of Labor Statistics in *Employment and Earnings*.

Data presented include national totals of the number of persons in the civilian labor force by sex, race, Hispanic origin, and age; the number employed; hours of work; industry and occupational groups; and the number unemployed, reasons for, and duration of unemployment. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

The CPS also produces annual estimates of employment and unemployment for each state, 50 large metropolitan statistical areas, and selected cities. These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment*. More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating state agencies as part of an ongoing Current Employment Statistics program. Survey data, gathered monthly from a sample of employers through mail questionnaires or electronic interviewing, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1998, reporting establishments employed 8 million manufacturing workers (44 percent of the total manufacturing employment at the time), 19 million workers in private nonmanufacturing industries (22 percent of the total in private nonmanufacturing), and 15 million Federal, state, and local government employees (76 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference period (as with the CPS, the

week including the 12th of the month). Thus, unlike the CPS, a person with two jobs is counted twice. The establishment survey is designed to provide detailed industry information for the Nation, states, and metropolitan areas on nonfarm wage and salary employment, average weekly hours, and average hourly and weekly earnings. Establishment survey data also are published in *Employment and Earnings*. Historical national data are available on the site <<http://stats.bls.gov/ceshome.htm>>.

**Labor force**—According to the CPS definitions, the civilian labor force comprises all civilians in the noninstitutional population 16 years and over classified as “employed” or “unemployed” according to the following criteria: Employed civilians comprise (a) all civilians, who, during the reference week, did any work for pay or profit (minimum of an hour’s work) or worked 15 hours or more as unpaid workers in a family enterprise and (b) all civilians who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, weather conditions, vacation, labor-management dispute, etc.) whether they were paid for the time off or were seeking other jobs. Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous 4 weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week, except for temporary illness. Persons on layoff from a job and expecting recall also are classified as unemployed. All other civilian persons, 16 years old and over, are “not in the labor force.”

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on

various data series and an explanation of the adjustment procedure used are described in “Revisions in the Current Population Survey in January 1982,” in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1985, and again in January 1986, the CPS estimation procedures were revised due to the implementation of a new sample design (for the 1985 revision) and to reflect an explicit estimate of the number of undocumented immigrants (for the 1986 revision). The greatest impact of these revisions was on estimates of persons of Hispanic origin. Where possible these estimates were revised back to January 1980. A description of the changes and an indication of their effect on the national estimates of labor force characteristics appear in the February 1985 and February 1986 issues of *Employment and Earnings*, respectively.

Beginning in January 1994, several changes were introduced into the CPS that effect all data comparisons with prior years. These changes include the results of a major redesign of the survey questionnaire and collection methodology, revisions to some of the labor force concepts and definitions, and the introduction of 1990 census population controls, adjusted for the estimated undercount. An explanation of the changes and their effects on the labor force data appears in “Revisions in the Current Population Survey Effective January 1994” in the February 1994 issue of *Employment and Earnings*.

Beginning 1996, 1990 census population controls, adjusted for the estimated undercount, were extended back to January 1990. A discussion of the changes and their effects on the labor force data appears in “Revisions In Household Survey Data Effective February 1996” in the March 1996 issue of *Employment and Earnings*.

Beginning in January 1997, the CPS reflects updated 1990 census-based population

controls. The greatest impact of the new population controls was on estimates for persons of Hispanic origin. An explanation of the changes and their effects on labor force estimates appear in "Revisions in the Current Population Survey Effective January 1997" in the February 1997 issue of *Employment and Earnings*.

Beginning in January 1998, the CPS reflects the introduction of new composite estimation procedures and revised 1990 census-based controls. An explanation of the changes and their effects on labor force estimates appear in "Revisions in the Current Population Survey Effective January 1998" in the February 1998 issue of *Employment and Earnings*.

**Hours and earnings**—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salaries from the CPS consist of total monies received for work performed by an employee during the income year. It includes wages, salaries, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full time.

**Industry and Occupational groups**—Industry data derived from the CPS for 1983-91 utilize the 1980 census industrial classification developed from the 1972 SIC. CPS data from 1971 to 1982 were based on the 1970 census classification system which was developed from the 1967 SIC. Most of the industry categories were not affected by the change in classification.

Establishments responding to the establishment survey are classified according to the *Standard Industrial Classification (SIC) Manual*. See text, Section 17, Business, for information about the SIC manual.

The occupational classification system used in the 1980 census and in the CPS for 1983-91, evolved from the 1980 Standard

Occupational Classification (SOC) system, first introduced in 1977. Occupational categories used in the 1980 census classification system are so radically different from the 1970 census system used in the CPS through 1982, that their implementation represented a break in historical data series. In cases where data have not yet been converted to the 1980 classifications and still reflect the 1970 classifications (e.g., Table 704), comparisons between the two systems should not be made. To help users bridge the data gap, a limited set of estimates was developed for the 1972-82 period based on the new classifications. The estimates were developed by means of applying conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82. For further details, contact BLS.

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

**Productivity**—BLS publishes data on productivity as measured by output per hour (labor productivity), output per combined unit of labor and capital input (multifactor productivity), and, for manufacturing industries, output per combined unit of capital, labor, energy, materials, and purchased service inputs. Labor productivity and related indexes are published for the business sector as a whole and its major subsectors: nonfarm business, manufacturing, nonfinancial corporations, 178 specific industries, and various functional areas of the Federal Government. Multifactor

productivity and related measures are published for the private business sector and its major subsectors. Productivity indexes which take into account capital, labor, energy, materials, and service inputs are published for the 21 major industry groups which comprise the manufacturing sector, the utility services industry group, and for the following industries: cotton and synthetic broadwoven fabrics, household furniture, tire and inner tubes, footwear, steel, metal stampings, farm and garden machinery, refrigeration and heating equipment, motor vehicles, and railroad transportation industries. The major sector data are published in the BLS quarterly news release, *Productivity and Costs* and in the annual *Multifactor Productivity Measures* release. The specific industry productivity measures are published annually in the BLS Bulletin, *Productivity Measures for Selected Industries and Government Services*. Detailed information on methods, limitations, and data sources appears in the BLS *Handbook of Methods*, BLS Bulletin 2490 (1997), Chapters 10 and 11.

**Unions**—As defined here, unions include traditional labor unions and employee associations similar to labor unions. Data on union membership status provided by BLS are for employed wage and salary workers and relate to their principal job. Earnings by union membership status are usual weekly earnings of full-time wage and salary workers. The information is collected through the Current Population Survey. Collective bargaining settlements data are available for bargaining situations involving 1,000 or more

workers in private industry and state and local government.

**Work stoppages**—Work stoppages include all strikes and lockouts known to BLS which last for at least 1 full day or shift and involve 1,000 or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late or leave early to attend mass meetings or mass rallies.

**Seasonal adjustment**—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

**Statistical reliability**—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

## No. 649. Employment Status of the Civilian Population: 1950 to 1998

[In thousands (104,995 represents 104,995,000), except as indicated. Annual averages of monthly figures. For the civilian noninstitutional population 16 years old and over. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Year	Civilian noninstitutional population	Civilian labor force					Unemployed		Not in labor force	
		Total	Percent of population	Employed	Employment/population ratio <sup>1</sup>	Number	Percent of labor force	Number	Percent of population	
1950	104,995	62,208	59.2	58,918	56.1	3,288	5.3	42,787	40.8	
1960	117,245	69,628	59.4	65,778	56.1	3,852	5.5	47,617	40.6	
1970	137,085	82,771	60.4	78,678	57.4	4,093	4.9	54,315	39.6	
1980	167,745	106,940	63.8	99,303	59.2	7,637	7.1	60,806	36.2	
1981	170,130	108,670	63.9	100,397	59.0	8,273	7.6	61,460	36.1	
1982	172,271	110,204	64.0	99,526	57.8	10,678	9.7	62,067	36.0	
1983	174,215	111,550	64.0	100,834	57.9	10,717	9.6	62,665	36.0	
1984	176,383	113,544	64.4	105,005	59.5	8,539	7.5	62,839	35.6	
1985	178,206	115,461	64.8	107,150	60.1	8,312	7.2	62,744	35.2	
1986	180,587	117,834	65.3	109,597	60.7	8,237	7.0	62,752	34.7	
1987	182,753	119,865	65.6	112,440	61.5	7,425	6.2	62,888	34.4	
1988	184,613	121,669	65.9	114,968	62.3	6,701	5.5	62,944	34.1	
1989	186,393	123,869	66.5	117,342	63.0	6,528	5.3	62,523	33.5	
1990 <sup>2</sup>	189,164	125,840	66.5	118,793	62.8	7,047	5.6	63,324	33.5	
1991	190,925	126,346	66.2	117,718	61.7	8,628	6.8	64,578	33.8	
1992	192,805	128,105	66.4	118,492	61.5	9,613	7.5	64,700	33.6	
1993	194,838	129,200	66.3	120,259	61.7	8,940	6.9	65,638	33.7	
1994 <sup>2</sup>	196,814	131,056	66.6	123,060	62.5	7,996	6.1	65,758	33.4	
1995	198,584	132,304	66.6	124,900	62.9	7,404	5.6	66,280	33.4	
1996	200,591	133,943	66.8	126,708	63.2	7,236	5.4	66,647	33.2	
1997 <sup>2</sup>	203,133	136,297	67.1	129,558	63.8	6,739	4.9	66,837	32.9	
1998 <sup>2</sup>	205,220	137,673	67.1	131,463	64.1	6,210	4.5	67,547	32.9	

<sup>1</sup> Civilian employed as a percent of the civilian noninstitutional population. <sup>2</sup> Data not strictly comparable with data for earlier years. See text, this section, and February 1994, March 1996, February 1997, and February 1998 issues of *Employment and Earnings*.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307; and *Employment and Earnings*, monthly.

## No. 650. Civilian Labor Force and Participation Rates, With Projections: 1970 to 2006

[For civilian noninstitutional population 16 years old and over (82.8 represents 82,800,000). Annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Race, sex, and age	Civilian labor force (millions)						Participation rate (percent)					
	1970	1980	1990 <sup>1</sup>	1995	1998 <sup>1</sup>	2006, proj.	1970	1980	1990 <sup>1</sup>	1995	1998 <sup>1</sup>	2006, proj.
<b>Total<sup>2</sup></b> . . . . .	<b>82.8</b>	<b>106.9</b>	<b>125.8</b>	<b>132.3</b>	<b>137.7</b>	<b>148.8</b>	<b>60.4</b>	<b>63.8</b>	<b>66.5</b>	<b>66.6</b>	<b>67.1</b>	<b>67.1</b>
White . . . . .	73.6	93.6	107.4	112.0	115.4	123.6	60.2	64.1	66.9	67.1	67.3	67.8
Male . . . . .	46.0	54.5	59.6	61.1	63.0	66.0	80.0	78.2	77.1	75.7	75.6	74.3
Female . . . . .	27.5	39.1	47.8	50.8	52.4	57.6	42.6	51.2	57.4	59.0	59.4	61.7
Black . . . . .	3.2	10.9	13.7	14.8	16.0	17.2	61.8	61.0	64.0	63.7	65.6	63.1
Male . . . . .	5.2	5.6	6.8	7.2	7.5	8.0	76.5	70.3	71.0	69.0	69.0	65.4
Female . . . . .	4.0	5.3	6.9	7.6	8.4	9.2	49.5	53.1	58.3	59.5	62.8	61.3
Hispanic <sup>4</sup> . . . . .	(NA)	6.1	10.7	12.3	14.3	17.4	(NA)	64.0	67.4	65.8	67.9	65.8
Male . . . . .	(NA)	3.8	6.5	7.4	8.6	10.2	(NA)	81.4	81.4	79.1	79.8	77.1
Female . . . . .	(NA)	2.3	4.2	4.9	5.7	7.2	(NA)	47.4	53.1	52.6	55.6	54.3
Male . . . . .	51.2	61.5	69.0	71.4	74.0	78.2	79.7	77.4	76.4	75.0	74.9	73.1
16 to 19 years . . . . .	4.0	5.0	4.1	4.0	4.2	4.6	56.1	60.5	55.7	54.8	53.3	51.5
20 to 24 years . . . . .	5.7	8.6	7.9	7.3	7.2	8.3	83.3	85.9	84.4	83.1	82.0	81.1
25 to 34 years . . . . .	11.3	17.0	19.9	18.7	17.8	16.5	96.4	95.2	94.1	93.0	93.2	92.5
35 to 44 years . . . . .	10.5	11.8	17.5	19.2	20.2	18.5	96.9	95.5	94.3	92.3	92.6	90.7
45 to 54 years . . . . .	10.4	9.9	11.1	13.4	15.0	18.0	94.3	91.2	90.7	88.8	89.2	87.7
55 to 64 years . . . . .	7.1	7.2	6.6	6.5	7.3	9.9	83.0	72.1	67.8	66.0	68.1	68.3
65 years and over . . . . .	2.2	1.9	2.0	2.2	2.2	2.6	26.8	19.0	16.3	16.8	16.5	17.3
Female . . . . .	31.5	45.5	56.8	60.9	63.7	70.6	43.3	51.5	57.5	58.9	59.8	61.4
16 to 19 years . . . . .	3.2	4.4	3.7	3.7	4.0	4.4	44.0	52.9	51.6	52.2	52.3	51.0
20 to 24 years . . . . .	4.9	7.3	6.8	6.3	6.4	7.2	57.7	68.9	71.3	70.3	73.0	71.8
25 to 34 years . . . . .	5.7	12.3	16.1	15.5	15.0	14.4	45.0	65.5	73.5	74.9	76.3	77.6
35 to 44 years . . . . .	6.0	8.6	14.7	16.6	17.3	17.0	51.1	65.5	76.4	77.2	77.1	80.2
45 to 54 years . . . . .	6.5	7.0	9.1	11.8	13.4	17.2	54.4	59.9	71.2	74.4	76.2	79.9
55 to 64 years . . . . .	4.2	4.7	4.9	5.4	6.0	8.8	43.0	41.3	45.2	49.2	51.2	55.8
65 years and over . . . . .	1.1	1.2	1.5	1.6	1.6	1.7	9.7	8.1	8.6	8.8	8.6	8.7

NA Not available. <sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Beginning 1980, includes other races, not shown separately. <sup>3</sup> For 1970, Black and other. <sup>4</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; *Monthly Labor Review*, November 1997; and unpublished data.

## No. 651. Employment Status of the Civilian Population: 1970 to 1998

[In thousands (137,085 represents 137,085,000), except as indicated. Annual averages of monthly figures. For the civilian noninstitutional population 16 years old and over. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Year, sex, race, and Hispanic origin	Civilian noninstitu- tional popu- lation	Civilian labor force					Not in labor force		
		Total	Percent of popu- lation	Employed	Employ- ment/ popu- lation ratio <sup>1</sup>	Unemployed		Number	Percent of population
						Number	Percent of labor force		
<b>Total:</b> <sup>2</sup>									
1970	137,085	82,771	60.4	78,678	57.4	4,093	4.9	54,315	39.6
1980	167,745	108,940	63.8	99,303	59.2	7,637	7.1	60,806	36.2
1985	178,206	115,461	64.8	107,150	60.1	8,312	7.2	62,744	35.2
1990	189,164	125,840	66.5	118,793	62.8	7,047	5.6	63,324	33.5
1995	198,584	132,304	66.6	124,900	62.9	7,404	5.6	66,280	33.4
1996	200,591	139,943	66.8	126,708	63.2	7,236	5.4	66,647	33.2
1997	203,133	136,297	67.1	129,558	63.8	6,739	4.9	66,837	32.9
1998	205,220	137,673	67.1	131,463	64.1	6,210	4.5	67,547	32.9
<b>Male:</b>									
1970	64,304	51,228	79.7	48,990	76.2	2,238	4.4	13,076	20.3
1980	79,398	61,453	77.4	57,186	72.0	4,267	6.9	17,945	22.6
1985	84,469	64,411	76.3	59,891	70.9	4,521	7.0	20,058	23.7
1990	90,377	69,011	76.4	65,104	72.0	3,906	5.7	21,367	23.6
1995	95,178	71,380	75.0	67,377	70.9	3,983	5.6	23,818	25.0
1996	96,206	72,087	74.9	68,207	70.9	3,880	5.4	24,119	25.0
1997	97,715	73,261	75.0	69,685	71.3	3,577	4.9	24,454	25.1
1998	98,758	73,959	74.9	70,693	71.6	3,266	4.4	24,799	25.1
<b>Female:</b>									
1970	72,782	31,543	43.3	29,688	40.8	1,855	5.9	41,239	56.7
1980	88,348	45,487	51.5	42,117	47.7	3,370	7.4	42,861	48.5
1985	93,736	51,050	54.5	47,259	50.4	3,791	7.4	42,686	45.5
1990	98,787	56,829	57.5	53,689	54.3	3,140	5.5	41,957	42.5
1995	103,406	60,944	58.9	57,523	55.6	3,421	5.6	42,462	41.1
1996	104,385	61,857	59.3	58,501	56.0	3,356	5.4	42,528	40.7
1997	105,418	63,036	59.8	59,873	56.8	3,162	5.0	42,382	40.2
1998	106,462	63,714	59.8	60,771	57.1	2,944	4.6	42,748	40.1
<b>White:</b>									
1970	122,174	73,556	60.2	70,217	57.5	3,339	4.5	48,618	39.8
1980	146,122	93,600	64.1	87,715	60.0	5,884	6.3	52,523	35.9
1985	153,679	99,926	65.0	93,736	61.0	6,191	6.2	53,753	35.0
1990	160,625	107,447	66.9	102,261	63.7	5,186	4.8	53,178	33.1
1995	166,914	111,950	67.1	106,490	63.8	5,459	4.9	54,965	32.9
1996	168,317	113,108	67.2	107,808	64.1	5,300	4.7	55,209	32.8
1997	169,993	114,693	67.5	109,856	64.6	4,836	4.2	55,301	32.5
1998	171,478	115,415	67.3	110,931	64.7	4,484	3.9	56,064	32.7
<b>Black:</b>									
1973	14,917	8,976	60.2	8,128	54.5	846	9.4	5,941	39.8
1980	17,824	10,865	61.0	9,313	52.2	1,553	14.3	6,959	39.0
1985	19,664	12,364	62.9	10,501	53.4	1,864	15.1	7,299	37.1
1990	21,477	13,740	64.0	12,175	56.7	1,565	11.4	7,737	36.0
1995	23,246	14,817	63.7	13,279	57.1	1,538	10.4	8,429	36.3
1996	23,604	15,134	64.1	13,542	57.4	1,592	10.5	8,470	35.9
1997	24,003	15,529	64.7	13,969	58.2	1,560	10.0	8,474	35.3
1998	24,373	15,982	65.6	14,556	59.7	1,426	8.9	8,391	34.4
<b>Hispanic:</b> <sup>4</sup>									
1980	9,598	6,146	64.0	5,527	57.6	620	10.1	3,451	36.0
1985	11,915	7,698	64.6	6,888	57.8	811	10.5	4,217	35.4
1990	15,904	10,720	67.4	9,845	61.9	876	8.2	5,184	32.6
1995	18,629	12,267	65.8	11,127	59.7	1,140	9.3	6,362	34.2
1996	19,213	12,774	66.5	11,642	60.6	1,132	8.9	6,439	33.5
1997	20,321	13,796	67.9	12,726	62.6	1,069	7.7	6,526	32.1
1998	21,070	14,317	67.9	13,291	63.1	1,026	7.2	6,753	32.1
<b>Mexican:</b>									
1986	7,377	4,941	67.0	4,387	59.5	555	11.2	2,436	33.0
1990	9,752	6,707	68.8	6,146	63.0	561	8.4	3,045	31.2
1995	11,609	7,765	66.9	7,016	60.4	750	9.7	3,844	33.1
1996	11,762	7,943	67.5	7,209	61.3	734	9.2	3,819	32.5
1997	12,443	8,546	68.7	7,884	63.4	662	7.7	3,897	31.3
1998	13,216	9,096	68.8	8,431	63.8	664	7.3	4,121	31.2
<b>Puerto Rican:</b>									
1986	1,494	804	53.8	691	46.3	113	14.0	690	46.2
1990	1,718	960	55.9	870	50.6	91	9.5	758	44.1
1995	1,896	1,098	57.9	974	51.4	123	11.2	798	42.1
1996	2,017	1,170	58.0	1,057	52.4	112	9.6	848	42.0
1997	2,139	1,293	60.4	1,166	54.5	127	9.8	846	39.6
1998	2,080	1,249	60.0	1,145	55.0	104	8.3	832	40.0
<b>Cuban:</b>									
1986	842	570	67.7	533	63.3	36	6.4	272	32.3
1990	918	603	65.7	559	60.9	44	7.2	315	34.3
1995	1,019	613	60.2	568	55.7	45	7.4	406	39.8
1996	991	637	64.3	591	59.7	46	7.2	354	35.7
1997	1,025	646	63.0	603	58.8	43	6.6	379	37.0
1998	1,062	651	61.3	612	57.6	39	6.0	411	38.7

<sup>1</sup> Civilian employed as a percent of the civilian noninstitutional population. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> See footnote 2, Table 649. <sup>4</sup> Persons of Hispanic origin may be of any race. Includes persons of other Hispanic origin, not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307; and *Employment and Earnings*, monthly, January issues.

## No. 652. Civilian Labor Force—Percent Distribution, by Sex and Age: 1960 to 1998

[For civilian noninstitutional population 16 years old and over (69,628 represents 69,628,000). Annual averages of monthly figures. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Year and sex	Civilian labor force (1,000)	Percent distribution						
		16 to 19 years	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 yrs. and over
Total: 1960	69,628	7.0	9.6	20.7	23.4	21.3	13.5	4.6
1970	82,771	8.8	12.8	20.6	19.9	20.5	13.6	3.9
1980	106,940	8.8	14.9	27.3	19.1	15.8	11.2	2.9
1990 <sup>1</sup>	125,840	6.2	11.7	28.6	25.5	16.1	9.2	2.7
1995	132,304	5.9	10.3	25.8	27.0	19.1	9.0	2.9
1998 <sup>1</sup>	137,673	6.0	9.9	23.8	27.3	20.6	9.6	2.8
Male: 1960	46,388	6.0	8.9	22.1	23.6	20.6	13.8	4.9
1970	51,228	7.8	11.2	22.1	20.4	20.3	13.9	4.2
1980	61,453	8.1	14.0	27.6	19.3	16.1	11.8	3.1
1990 <sup>1</sup>	69,011	5.9	11.4	28.8	25.3	16.1	9.6	2.9
1995	71,960	5.7	10.3	26.2	26.9	18.9	9.1	3.1
1998 <sup>1</sup>	73,959	5.7	9.8	24.1	27.4	20.2	9.8	3.0
Female: 1960	23,240	8.8	11.1	17.8	22.8	22.7	12.8	3.9
1970	31,543	10.3	15.5	18.1	18.9	20.7	13.2	3.3
1980	45,487	9.6	16.1	21.9	19.0	15.4	10.4	2.6
1990 <sup>1</sup>	56,829	6.5	12.0	28.3	25.8	16.1	8.7	2.6
1995	60,944	6.1	10.4	25.5	27.2	19.4	8.8	2.7
1998 <sup>1</sup>	63,714	6.3	10.1	23.6	27.1	21.0	9.4	2.5

<sup>1</sup> See footnote 2, Table 649.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment Earnings*, monthly, January issues.

## No. 653. Civilian Labor Force and Participation Rates, by Educational Attainment, Sex, Race, and Hispanic Origin: 1992 to 1998

[As of March. For the civilian noninstitutional population 25 to 64 years of age (102,387 represents 102,387,000). See Table 684 for unemployment data. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Year, sex, and race	Civilian labor force					Participation rate <sup>1</sup>				
	Total (1,000)	Percent distribution				Total	Less than high school diploma	High school graduate, no degree	Less than a bachelor's degree	College graduate
		Less than high school diploma	High school graduate, no degree	Less than a bachelor's degree	College graduate					
Total: <sup>2</sup>										
1992	102,387	12.2	36.2	25.2	26.4	79.0	60.3	78.3	83.5	88.4
1994 <sup>3</sup>	104,868	11.0	34.0	27.6	27.3	78.9	58.3	77.8	83.2	88.2
1995	106,519	10.8	33.1	27.8	28.3	79.3	59.8	77.3	83.2	87.7
1996	108,037	10.9	32.9	27.7	28.5	79.4	60.2	77.9	83.7	87.8
1997 <sup>3</sup>	110,514	10.9	33.0	27.4	28.6	80.1	61.7	82.5	83.7	88.5
1998 <sup>3</sup>	111,857	10.7	32.8	27.4	29.1	80.2	63.0	78.4	83.5	88.0
Male:										
1992	55,917	13.9	34.7	23.8	27.5	88.6	75.1	89.0	91.8	93.7
1994 <sup>3</sup>	56,633	12.7	32.9	25.8	28.6	87.0	71.5	86.8	90.3	93.2
1995	57,454	12.2	32.3	25.7	29.7	87.4	72.0	86.9	90.1	93.8
1996	58,121	12.7	32.2	26.0	29.1	87.5	74.3	86.9	90.0	92.9
1997 <sup>3</sup>	59,268	12.8	32.2	25.8	29.2	87.7	75.2	86.4	90.6	93.5
1998 <sup>3</sup>	59,905	12.3	32.3	25.8	29.6	87.8	75.3	86.7	90.0	93.4
Female:										
1992	46,469	10.2	37.9	26.9	25.0	70.0	45.6	69.1	76.2	82.2
1994 <sup>3</sup>	48,235	9.1	35.3	29.8	25.8	71.1	44.7	70.0	77.0	82.5
1995	49,065	9.1	34.1	30.2	26.6	71.5	47.2	68.9	77.3	82.8
1996	49,916	8.8	33.7	29.7	27.8	71.8	45.7	69.8	78.1	82.3
1997 <sup>3</sup>	51,246	8.7	34.0	29.3	28.0	72.8	47.1	71.4	77.6	83.2
1998 <sup>3</sup>	51,953	8.8	33.3	29.3	28.6	73.0	49.8	70.9	77.8	82.3
White:										
1992	87,656	11.3	36.1	25.5	27.1	79.8	61.5	78.7	83.8	88.7
1994 <sup>3</sup>	89,009	10.5	33.7	27.7	28.1	79.8	60.3	78.3	83.5	88.5
1995	90,192	10.0	32.8	27.8	29.3	80.1	61.6	77.9	83.4	88.8
1996	91,506	10.4	32.8	27.5	29.3	80.4	62.5	78.6	83.9	88.2
1997 <sup>3</sup>	93,179	10.4	32.8	27.3	29.5	81.0	63.8	79.2	83.9	89.0
1998 <sup>3</sup>	93,527	10.2	32.7	27.4	29.8	80.6	63.8	78.6	83.5	88.3
Black:										
1992	10,936	19.2	40.3	24.9	15.6	74.4	55.4	76.9	83.4	89.1
1994 <sup>3</sup>	11,368	14.5	39.3	29.2	17.0	73.5	49.4	75.2	82.5	89.5
1995	11,695	14.1	38.6	29.6	17.7	74.2	51.0	74.5	82.8	90.9
1996	11,891	14.2	37.2	31.2	17.4	73.7	50.1	74.3	83.0	87.9
1997 <sup>3</sup>	12,253	14.3	37.8	31.3	16.6	74.9	52.9	75.0	83.8	89.0
1998 <sup>3</sup>	12,893	14.3	37.3	30.1	18.2	77.7	59.3	77.0	85.0	88.8
Hispanic: <sup>4</sup>										
1992	7,702	39.1	30.2	19.3	11.4	73.8	64.6	77.5	84.2	87.1
1994 <sup>3</sup>	8,984	38.6	28.7	21.5	11.1	73.2	63.9	77.5	81.9	86.3
1995	9,298	38.9	28.2	21.3	11.6	73.2	64.7	75.9	81.9	87.9
1996	9,683	38.9	28.5	21.2	11.3	74.2	65.0	78.2	83.7	87.2
1997 <sup>3</sup>	10,556	37.4	28.1	22.1	12.4	75.9	66.4	79.4	85.3	87.7
1998 <sup>3</sup>	10,922	37.3	29.1	20.3	13.3	75.8	67.9	78.8	82.3	86.9

<sup>1</sup> See headnote, Table 650. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> See footnote 2, Table 649. <sup>4</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, unpublished data.



## No. 654. Characteristics of the Civilian Labor Force, by State: 1997

[In thousands (136,297 represents 136,297,000), except ratio and rate. Preliminary. For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. Because of separate processing and weighting procedures, the totals for the United States may differ from results obtained by aggregating totals for states]

State	Total		Employed			Unemployed					Participation rate <sup>3</sup>	
	Num-ber	Female	Total	Female	Em- ployed/ popu- lation ratio <sup>1</sup>	Total		Rate <sup>2</sup>			Male	Female
						Num-ber	Female	Total	Male	Female		
<b>United States</b>	<b>136,297</b>	<b>63,036</b>	<b>129,558</b>	<b>59,873</b>	<b>63.8</b>	<b>6,739</b>	<b>3,162</b>	<b>4.9</b>	<b>4.9</b>	<b>5.0</b>	<b>75.0</b>	<b>59.8</b>
Alabama	2,168	1,005	2,058	945	61.8	110	59	5.1	4.4	5.9	72.7	58.1
Alaska	315	143	290	134	68.3	25	9	7.9	9.2	6.3	80.4	67.9
Arizona	2,185	972	2,083	923	60.8	102	50	4.6	4.3	5.1	72.6	55.3
Arkansas	1,214	573	1,150	545	59.8	64	28	5.3	5.7	4.8	69.9	56.9
California	15,941	7,048	14,937	6,598	62.1	1,004	449	6.3	6.2	6.4	75.2	57.6
Colorado	2,152	988	2,081	956	70.4	70	32	3.3	3.2	3.3	78.8	66.8
Connecticut	1,723	836	1,635	800	64.8	88	36	5.1	5.9	4.3	73.9	63.2
Delaware	382	186	366	179	64.6	15	7	4.0	4.4	3.6	72.2	62.8
Dist. of Columbia	258	132	238	121	56.9	20	11	7.9	7.2	8.6	66.5	57.8
Florida	7,119	3,302	6,781	3,142	59.3	339	160	4.8	4.7	4.8	69.8	55.4
Georgia	3,907	1,833	3,730	1,740	66.2	177	93	4.5	4.1	5.1	77.9	61.6
Hawaii	597	294	559	278	63.5	38	16	6.4	7.2	5.6	72.8	63.4
Idaho	633	285	599	269	66.8	34	16	5.3	5.2	5.5	77.8	63.3
Illinois	6,196	2,850	5,904	2,721	65.3	291	129	4.7	4.8	4.7	77.0	60.7
Indiana	3,086	1,417	2,978	1,368	66.8	108	49	3.5	3.5	3.5	78.0	61.2
Iowa	1,579	754	1,528	732	70.3	51	23	3.3	3.5	3.0	78.6	67.2
Kansas	1,368	641	1,317	614	67.8	52	27	3.8	3.4	4.2	77.6	63.9
Kentucky	1,917	912	1,814	855	60.4	103	57	5.4	4.6	6.2	70.7	57.7
Louisiana	2,014	952	1,891	887	58.3	123	65	6.1	5.4	6.9	69.5	55.5
Maine	659	310	624	295	64.1	36	16	5.4	5.7	5.0	73.5	62.3
Maryland	2,784	1,342	2,642	1,275	67.7	141	67	5.1	5.1	5.0	77.0	66.0
Massachusetts	3,260	1,548	3,129	1,493	66.2	131	56	4.0	4.4	3.6	75.5	62.9
Michigan	4,962	2,309	4,753	2,210	64.0	209	98	4.2	4.2	4.3	74.6	59.6
Minnesota	2,625	1,203	2,539	1,171	72.1	86	33	3.3	3.7	2.7	81.1	67.9
Mississippi	1,262	600	1,190	559	58.4	72	41	5.7	4.7	6.9	68.7	55.9
Missouri	2,893	1,395	2,770	1,341	67.9	123	54	4.2	4.6	3.9	77.4	65.0
Montana	455	212	431	203	63.6	24	10	5.4	6.0	4.6	72.8	61.9
Nebraska	906	421	883	410	71.4	24	11	2.6	2.6	2.6	80.8	66.3
Nevada	883	392	847	376	66.6	36	16	4.1	4.1	4.2	77.1	61.9
New Hampshire	646	297	625	287	69.6	20	10	3.1	3.0	3.3	79.0	64.9
New Jersey	4,198	1,950	3,982	1,851	64.3	216	99	5.1	5.2	5.1	76.7	59.7
New Mexico	815	370	764	347	59.6	51	23	6.2	6.2	6.3	70.9	56.5
New York	8,835	4,108	8,269	3,839	59.1	566	269	6.4	6.3	6.6	71.8	55.5
North Carolina	3,844	1,799	3,705	1,729	66.1	139	69	3.6	3.4	3.9	75.8	61.9
North Dakota	348	164	339	160	70.7	9	4	2.5	2.6	2.5	78.4	67.0
Ohio	5,707	2,672	5,445	2,542	63.8	262	130	4.6	4.4	4.8	74.0	60.2
Oklahoma	1,601	739	1,535	704	61.6	66	35	4.1	3.6	4.7	73.2	56.2
Oregon	1,728	771	1,627	727	64.6	101	44	5.8	5.9	5.7	76.4	60.9
Pennsylvania	5,979	2,805	5,668	2,664	61.1	311	141	5.2	5.3	5.0	73.1	56.9
Rhode Island	502	243	476	230	63.4	27	13	5.3	5.2	5.4	74.3	60.6
South Carolina	1,931	920	1,843	868	63.6	87	53	4.5	3.4	5.7	74.7	59.6
South Dakota	390	186	378	180	69.2	12	6	3.1	2.9	3.3	77.9	65.4
Tennessee	2,708	1,286	2,562	1,223	61.6	146	63	5.4	5.8	4.9	71.7	59.1
Texas	9,850	4,419	9,320	4,172	65.2	530	247	5.4	5.2	5.6	78.3	60.1
Utah	1,040	466	1,008	451	69.5	32	15	3.1	3.1	3.2	81.5	62.5
Vermont	327	159	314	153	68.7	13	6	4.0	4.1	3.8	77.0	66.6
Virginia	3,413	1,618	3,278	1,545	64.2	135	72	4.0	3.5	4.5	73.5	60.7
Washington	2,989	1,337	2,847	1,272	66.8	142	65	4.8	4.7	4.8	78.4	62.1
West Virginia	803	368	748	346	51.6	55	22	6.9	7.6	6.1	64.1	47.8
Wisconsin	2,949	1,389	2,841	1,338	72.0	108	51	3.7	3.7	3.7	79.8	69.7
Wyoming	251	114	239	108	65.5	13	6	5.1	4.7	5.5	76.2	62.0

<sup>1</sup> Civilian employment as a percent of civilian noninstitutional population. <sup>2</sup> Percent unemployed of the civilian labor force.

<sup>3</sup> Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, "Local Area Unemployment Statistics, Geographic Profile" Internet site <<http://146.142.4.24/cgi-bin/surveymost?gp>> (accessed 2 August 1999).

## No. 655. Civilian Labor Force, by Selected Metropolitan Area: 1998

[For the civilian noninstitutional population 16 years old and over (137,673 represents 137,673,000). Annual averages of monthly figures. Data are derived from the Local Area Unemployment Statistics Program. For composition of metropolitan areas, see Appendix II]

Metropolitan areas ranked by labor force size, 1998	Civilian labor force (1,000)	Unemployment rate <sup>1</sup>	Metropolitan areas ranked by labor force size, 1998	Civilian labor force (1,000)	Unemployment rate <sup>1</sup>
<b>U.S. total</b> . . . . .	<b>137,673</b>	<b>4.5</b>	Indianapolis, IN MSA . . . . .	835	2.5
Los Angeles-Long Beach, CA PMSA . . . . .	4,641	6.5	Columbus, OH MSA . . . . .	812	2.7
Chicago, IL PMSA . . . . .	4,164	4.3	Milwaukee-Waukesha, WI PMSA . . . . .	809	3.3
New York, NY PMSA . . . . .	4,092	7.3	San Antonio, TX MSA . . . . .	759	3.7
Washington, DC-MD-VA-WV PMSA . . . . .	2,559	3.2	Sacramento, CA PMSA . . . . .	758	4.9
Philadelphia, PA-NJ PMSA . . . . .	2,493	4.3	Fort Lauderdale, FL PMSA . . . . .	757	4.5
Detroit, MI PMSA . . . . .	2,255	3.5	Charlotte-Gastonia-Rock Hill, NC-SC MSA . . . . .	746	2.7
Houston, TX PMSA . . . . .	2,129	4.1	Norfolk-Virginia Beach-Newport News, VA-NC MSA . . . . .	735	3.5
Atlanta, GA MSA . . . . .	2,123	3.3	Las Vegas, NV-AZ MSA . . . . .	698	4.2
Dallas, TX PMSA . . . . .	1,870	3.2	Austin-San Marcos, TX MSA . . . . .	682	2.6
Boston, MA-NH PMSA . . . . .	1,817	2.8	Salt Lake City-Ogden, UT MSA . . . . .	681	3.6
Minneapolis-St. Paul, MN-WI MSA . . . . .	1,678	2.0	Bergen-Passaic, NJ PMSA . . . . .	673	4.4
Phoenix-Mesa, AZ MSA . . . . .	1,507	2.7	Nashville, TN MSA . . . . .	642	2.7
Orange County, CA PMSA . . . . .	1,435	2.9	Middlesex-Somerset-Hunterdon, NJ PMSA . . . . .	633	3.3
Nassau-Suffolk, NY PMSA . . . . .	1,399	3.2	Greensboro-Winston-Salem-High Point, NC MSA . . . . .	632	2.7
Riverside-San Bernardino, CA PMSA . . . . .	1,382	6.1	Raleigh-Durham-Chapel Hill, NC MSA . . . . .	622	1.7
Seattle-Bellevue-Everett, WA PMSA . . . . .	1,382	3.1	New Orleans, LA MSA . . . . .	621	4.9
St. Louis, MO-IL MSA . . . . .	1,321	4.3	Grand Rapids-Muskegon-Holland, MI MSA . . . . .	595	3.0
San Diego, CA MSA . . . . .	1,319	3.5	Hartford, CT MSA . . . . .	581	3.5
Baltimore, MD PMSA . . . . .	1,299	5.1	Rochester, NY MSA . . . . .	575	4.0
Oakland, CA PMSA . . . . .	1,191	3.9	Buffalo-Niagara Falls, NY MSA . . . . .	575	5.3
Tampa-St. Petersburg-Clearwater, FL MSA . . . . .	1,173	3.0	Providence-Fall River-Warwick, RI-MA MSA . . . . .	573	4.9
Pittsburgh, PA MSA . . . . .	1,151	4.6	Memphis, TN-AR-MS MSA . . . . .	552	3.7
Denver, CO PMSA . . . . .	1,128	3.2	Louisville, KY-IN MSA . . . . .	549	3.3
Cleveland-Lorain-Elyria, OH PMSA . . . . .	1,106	4.4	Oklahoma City, OK MSA . . . . .	534	3.8
Portland-Vancouver, OR-WA PMSA . . . . .	1,048	4.2	Jacksonville, FL MSA . . . . .	534	3.1
Miami, FL PMSA . . . . .	1,037	6.5	Monmouth-Ocean, NJ PMSA . . . . .	515	4.3
Newark, NJ PMSA . . . . .	1,010	4.5	West Palm Beach-Boca Raton, FL MSA . . . . .	508	5.5
Kansas City, MO-KS MSA . . . . .	967	3.8	Richmond-Petersburg, VA MSA . . . . .	507	2.6
San Jose, CA PMSA . . . . .	963	3.2			
San Francisco, CA PMSA . . . . .	949	3.0			
Fort Worth-Arlington, TX PMSA . . . . .	879	3.3			
Orlando, FL MSA . . . . .	842	3.0			
Cincinnati, OH-KY-IN PMSA . . . . .	839	3.4			

<sup>1</sup> Percent unemployed of the civilian labor force.

Source: U.S. Bureau of Labor Statistics, Local Area Unemployment Statistics program.

## No. 656. School Enrollment and Labor Force Status: 1980 and 1998

[In thousands (37,103 represents 37,103,000), except percent. As of October. For the civilian noninstitutional population 16 to 24 years old. Based on Current Population Survey; see text, Section 1, Population, and Appendix II]

Characteristic	Population		Civilian labor force		Employed		Unemployed		
	1980	1998 <sup>1</sup>	1980	1998 <sup>1</sup>	1980	1998 <sup>1</sup>	1980, total	1998 <sup>1</sup> Total	Rate <sup>2</sup>
<b>Total, 16 to 24 years<sup>3</sup> . . . . .</b>	<b>37,103</b>	<b>33,445</b>	<b>24,918</b>	<b>21,691</b>	<b>21,454</b>	<b>19,575</b>	<b>3,464</b>	<b>2,116</b>	<b>9.8</b>
Enrolled in school <sup>3</sup> . . . . .	15,713	18,174	7,454	9,207	6,433	8,241	1,021	967	10.5
16 to 19 years . . . . .	11,126	12,370	4,836	5,533	4,029	4,778	807	756	13.7
20 to 24 years . . . . .	4,587	5,804	2,618	3,674	2,404	3,463	214	211	5.7
Sex:									
Male . . . . .	7,997	9,058	3,825	4,448	3,259	3,927	566	520	11.7
Female . . . . .	7,716	9,116	3,629	4,760	3,174	4,313	455	446	9.4
College level	7,664	9,445	3,996	5,646	3,632	5,250	364	396	7.0
Full-time . . . . .	6,396	7,939	2,854	4,306	2,554	3,982	300	324	7.5
Race:									
White . . . . .	13,242	14,392	6,687	7,721	5,889	7,020	798	701	9.1
Below college . . . . .	6,566	6,759	3,095	3,000	2,579	2,600	516	400	13.3
College level . . . . .	6,678	7,633	3,592	4,720	3,310	4,419	282	301	6.4
Black . . . . .	2,028	2,653	595	1,098	406	884	189	214	19.5
Below college . . . . .	1,282	1,516	294	454	174	315	120	139	30.5
College level . . . . .	747	1,137	300	644	230	569	70	75	11.7
Not enrolled <sup>3</sup> . . . . .	21,390	15,271	17,464	12,484	15,021	11,334	2,443	1,149	9.2
White . . . . .	18,103	12,340	15,121	10,332	13,318	9,528	1,803	804	7.8
Black . . . . .	2,864	2,364	2,055	1,733	1,451	1,433	604	300	17.3

<sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Percent of civilian labor force in each category. <sup>3</sup> Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307; News, USDL 99-75, June 25, 1999; and unpublished data.

## No. 657. Labor Force Participation Rates, by Marital Status, Sex, and Age: 1960 to 1998

[Annual averages of monthly figures. See Table 654 for definition of participation rate. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Marital status and year	Male participation rate							Female participation rate						
	Total	16-19 years	20-24 years	25-34 years	35-44 years	45-64 years	65 and over	Total	16-19 years	20-24 years	25-34 years	35-44 years	45-64 years	65 and over
Single:														
1960	69.8	42.6	80.3	91.5	88.6	80.1	31.2	58.6	30.2	77.2	83.4	82.9	79.8	24.3
1970	65.5	54.6	73.8	87.9	86.2	75.7	25.2	56.8	44.7	73.0	81.4	78.6	73.0	19.7
1975	68.7	57.9	77.9	86.7	83.2	69.9	21.0	59.8	49.6	72.5	80.8	78.6	68.3	15.8
1980	72.6	59.9	81.3	89.2	82.2	66.9	16.8	64.4	53.6	75.2	83.3	76.9	65.6	13.9
1985	73.8	56.3	81.5	89.4	84.6	65.5	15.6	66.6	52.3	76.3	82.4	80.8	67.9	9.8
1990	74.8	55.1	81.6	89.9	84.5	67.3	15.7	66.7	51.7	74.5	80.9	80.8	66.2	12.1
1994	73.9	53.6	80.5	88.4	83.1	67.8	17.8	66.7	51.4	73.6	78.9	78.7	68.8	12.7
1995	73.7	54.4	80.3	88.7	81.4	67.0	17.9	66.8	52.2	72.9	80.2	79.5	67.3	11.6
1996	73.3	52.8	79.8	89.1	82.1	67.4	18.2	67.1	51.5	73.3	80.9	79.4	68.5	12.2
1997	73.1	51.9	80.1	89.0	82.1	68.5	14.8	67.9	51.0	75.1	82.3	80.1	70.8	11.5
1998	73.3	52.9	79.7	89.1	82.5	70.2	15.2	68.5	52.4	75.3	83.0	80.9	69.9	9.7
Married:														
1960	89.2	91.5	97.1	98.8	98.6	93.7	36.6	31.9	27.2	31.7	28.8	37.2	36.0	6.7
1970	86.1	92.3	94.7	98.0	98.1	91.2	29.9	40.5	37.8	47.9	38.8	46.8	44.0	7.3
1975	83.0	92.9	95.3	97.4	97.1	86.8	23.3	44.3	46.2	57.0	48.4	52.0	43.8	7.0
1980	80.9	91.3	96.9	97.5	97.2	84.3	20.5	49.8	49.3	61.4	58.8	61.8	46.9	7.3
1985	78.7	91.0	95.6	97.4	96.8	81.7	16.8	53.8	49.6	65.7	65.8	68.1	49.4	6.6
1990	78.6	92.1	95.6	96.9	96.7	82.6	17.5	58.4	49.5	66.1	69.6	74.0	56.5	8.5
1994	77.4	88.7	94.2	95.9	95.6	81.9	18.1	60.7	48.9	65.8	71.6	75.8	61.9	9.4
1995	77.5	89.2	94.9	96.3	95.4	82.4	18.0	61.0	51.6	64.7	72.0	75.7	62.7	9.1
1996	77.6	84.4	94.5	96.4	95.4	83.2	18.3	61.2	48.6	66.0	71.7	75.8	63.7	9.0
1997	77.7	84.6	94.9	96.1	95.7	83.6	18.3	61.6	50.1	66.1	71.9	76.0	64.6	8.9
1998	77.6	83.8	95.0	96.4	95.8	83.7	17.5	61.2	49.8	66.1	71.6	74.5	64.9	8.9
Other:														
1960	63.1	(B)	96.9	95.2	94.4	83.2	22.7	41.6	43.5	58.0	63.1	70.0	60.0	11.4
1970	60.7	(B)	90.4	93.7	91.1	78.5	19.3	40.3	48.6	60.3	64.6	68.8	61.9	10.0
1975	63.4	(B)	88.8	92.4	89.4	73.4	15.4	40.1	47.6	65.3	68.6	69.2	59.0	8.3
1980	67.5	(B)	92.6	94.1	91.9	73.3	13.7	43.6	50.0	68.4	76.5	77.1	60.2	8.2
1985	68.7	(B)	95.1	93.7	91.8	72.8	11.4	45.1	51.9	66.2	76.9	81.6	61.0	7.5
1990	68.9	(B)	93.1	93.0	90.7	74.9	12.0	47.2	53.9	65.4	77.0	82.1	65.0	8.4
1994	66.8	(B)	91.0	90.3	88.6	72.6	11.9	47.5	46.2	66.6	74.3	80.4	67.6	8.7
1995	66.2	(B)	92.7	90.9	88.2	72.4	12.1	47.4	55.8	67.2	77.1	80.7	67.2	8.4
1996	66.4	(B)	90.6	92.0	88.8	73.1	11.5	48.1	42.6	70.7	78.5	82.1	67.7	8.0
1997	67.4	60.8	89.9	92.1	89.6	74.7	13.2	48.6	49.7	70.4	80.2	81.9	68.6	8.1
1998	66.9	66.2	89.1	93.0	89.1	73.7	13.1	48.8	50.4	73.7	81.0	82.8	68.6	8.4

B For 1960, percentage not shown where base is less than 50,000; beginning 1970, 35,000. <sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Spouse present. <sup>3</sup> Widowed, divorced, and married (spouse absent).

Source: U.S. Bureau of Labor Statistics, Bulletins 2217 and 2340; and unpublished data.

## No. 658. Marital Status of Women in the Civilian Labor Force: 1960 to 1998

[Annual averages of monthly figures (23,240 represent 23,240,000). For civilian noninstitutional population 16 years old and over. Based on the Current Population Survey; see text, Section 1, Population, and Appendix III]

Year	Female labor force (1,000)				Female participation rate <sup>3</sup>			
	Total	Single	Married <sup>1</sup>	Other <sup>2</sup>	Total	Single	Married <sup>1</sup>	Other <sup>2</sup>
1960	23,240	5,410	12,893	4,937	37.7	58.6	31.9	41.6
1965	26,200	5,976	14,829	5,396	39.3	54.5	34.9	40.7
1970	31,543	7,265	18,475	5,804	43.3	56.8	40.5	40.3
1975	37,475	9,125	21,484	6,866	46.3	59.8	44.3	40.1
1980	45,487	11,865	24,980	8,643	51.5	64.4	49.9	43.6
1982	47,755	12,460	25,971	9,324	52.6	65.1	51.1	44.8
1983	48,503	12,659	26,468	9,376	52.9	65.0	51.8	44.4
1984	49,709	12,867	27,199	9,644	53.6	65.6	52.8	44.7
1985	51,050	13,163	27,894	9,993	54.5	66.6	53.8	45.1
1986	52,413	13,512	28,623	10,277	55.3	67.2	54.9	45.6
1987	53,658	13,885	29,381	10,393	56.0	67.4	55.9	45.7
1988	54,742	14,194	29,921	10,627	56.6	67.7	56.7	46.2
1989	56,030	14,377	30,548	11,104	57.4	68.0	57.8	47.0
1990	56,829	14,612	30,901	11,315	57.5	66.7	58.4	47.2
1991	57,178	14,681	31,112	11,385	57.4	66.2	58.5	46.8
1992	58,141	14,872	31,700	11,570	57.8	66.2	59.3	47.1
1993	58,795	15,031	31,980	11,784	57.9	66.2	59.4	47.2
1994	60,239	15,333	32,888	12,018	58.8	66.7	60.7	47.5
1995	60,944	15,467	33,359	12,118	58.9	66.8	61.0	47.4
1996	61,857	15,842	33,618	12,397	59.3	67.1	61.2	48.1
1997	63,036	16,492	33,802	12,742	59.8	67.9	61.6	48.6
1998	63,714	17,087	33,857	12,771	59.8	68.5	61.2	48.8

<sup>1</sup> Husband present. <sup>2</sup> Widowed, divorced, or separated. <sup>3</sup> See Table 654 for definition of participation rate. <sup>4</sup> See footnote 2, Table 649.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307; and unpublished data.



## No. 661. Families With Own Children—Employment Status of Parents: 1995 and 1998

[Annual average of monthly figures (33,544 represents 33,544,000). For families with own children. Based on the Current Population Survey, see text, Section 1, Population, and Appendix III]

Characteristic	Number (1,000)		Percent distribution		Characteristic	Number (1,000)		Percent distribution	
	1995	1998	1995	1998		1995	1998	1995	1998
<b>WITH OWN CHILDREN UNDER 18</b>					<b>Father employed, not mother</b>				
Total families	33,544	34,232	100.0	100.0		2,921	3,074	22.5	22.8
Parent(s) employed	29,659	31,100	88.4	90.9	Neither parent employed	517	431	4.0	3.2
No parent employed	3,886	3,130	11.6	9.1	<b>Families maintained by women<sup>1</sup></b>				
<b>Married-couple families</b>					Mother employed				
Parent(s) employed	24,604	24,820	100.0	100.0		4,360	4,638	100.0	100.0
Mother employed	23,643	24,088	96.1	97.1	Mother not employed	3,142	3,573	72.1	77.0
Both parents employed	16,629	16,911	67.6	68.1	<b>Families maintained by men<sup>1</sup></b>				
Mother employed, not father	15,491	15,906	63.0	64.1	Father employed	908	1,075	100.0	100.0
Father employed, not mother	1,137	1,005	4.6	4.0	Father not employed	766	913	84.3	84.9
Neither parent employed	7,014	7,178	28.5	28.9	<b>WITH OWN CHILDREN UNDER 6</b>				
<b>Families maintained by women<sup>1</sup></b>					Total families				
Mother employed	7,433	7,573	100.0	100.0		15,275	15,023	100.0	100.0
Mother not employed	4,755	5,440	64.0	71.8	Parent(s) employed	13,267	13,550	86.9	90.2
<b>Families maintained by men<sup>1</sup></b>					No parent employed				
Father employed	2,678	2,133	36.0	28.2		2,007	1,473	13.1	9.8
Father not employed	1,507	1,839	100.0	100.0	<b>Married-couple families</b>				
<b>WITH OWN CHILDREN 6 to 17</b>					Parent(s) employed				
Total families	18,270	19,209	100.0	100.0		11,604	11,324	100.0	100.0
Parent(s) employed	16,391	17,551	89.7	91.4	Mother employed	11,159	11,023	96.2	97.3
No parent employed	1,878	1,658	10.3	8.6	Both parents employed	7,066	6,920	60.9	61.1
<b>Married-couple families</b>					Mother employed, not father				
Parent(s) employed	13,001	13,496	100.0	100.0		421	352	3.6	3.1
Mother employed	12,484	13,065	96.0	96.8	<b>Father employed, not mother</b>				
Both parents employed	9,562	9,991	73.6	74.0		4,092	4,103	35.3	36.2
Mother employed, not father	8,846	9,338	68.0	69.2	Neither parent employed	445	301	3.8	2.7
Father employed	717	653	5.5	4.8	<b>Families maintained by women<sup>1</sup></b>				
<b>WITH OWN CHILDREN 6 to 17</b>					Parent(s) employed				
Total families	18,270	19,209	100.0	100.0		3,073	2,936	100.0	100.0
Parent(s) employed	16,391	17,551	89.7	91.4	Mother employed	1,613	1,867	52.5	63.6
No parent employed	1,878	1,658	10.3	8.6	Mother not employed	1,460	1,068	47.5	36.4
<b>Married-couple families</b>					<b>Families maintained by men<sup>1</sup></b>				
Parent(s) employed	13,001	13,496	100.0	100.0		598	763	100.0	100.0
Mother employed	12,484	13,065	96.0	96.8	Father employed	496	660	82.8	86.5
Both parents employed	9,562	9,991	73.6	74.0	Father not employed	102	104	17.1	13.6
Mother employed, not father	8,846	9,338	68.0	69.2					

<sup>1</sup> No spouse present.

Source: U.S. Bureau of Labor Statistics, *News*, USDL97-195, June 16, 1997; and unpublished data.

## No. 662. Employed Civilians and Weekly Hours: 1970 to 1998

[In thousands (78,678 represents 78,678,000, except as indicated). For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Item	1970	1980	1990 <sup>1</sup>	1994 <sup>1</sup>	1995	1996	1997 <sup>1</sup>	1998 <sup>1</sup>
<b>Total employed</b>	<b>78,678</b>	<b>99,303</b>	<b>118,793</b>	<b>123,060</b>	<b>124,900</b>	<b>126,708</b>	<b>129,558</b>	<b>131,463</b>
<b>Age:</b>								
16 to 19 years old	6,144	7,710	6,581	6,161	6,419	6,500	6,661	7,051
20 to 24 years old	9,731	14,087	13,401	12,758	12,443	12,138	12,380	12,557
25 to 34 years old	16,318	27,204	33,935	32,286	32,356	32,077	31,809	31,394
35 to 44 years old	15,922	19,523	30,817	33,599	34,202	35,051	35,908	36,278
45 to 54 years old	16,473	16,234	19,525	23,348	24,378	25,514	26,744	27,587
55 to 64 years old	10,974	11,586	11,189	11,228	11,435	11,739	12,296	12,872
65 years old and over	3,118	2,960	3,346	3,681	3,666	3,690	3,761	3,725
<b>Class of worker:</b>								
<b>Nonagriculture:</b>								
Wage and salary worker	65,491	88,525	106,598	110,517	112,448	114,171	116,983	119,019
Self-employed	5,221	7,000	8,719	9,003	8,902	8,971	9,056	8,962
Unpaid family workers	502	413	253	131	110	122	120	103
<b>Agriculture:</b>								
Wage and salary worker	3,463	3,364	3,223	3,409	3,440	3,443	3,399	3,378
Self-employed	1,154	1,425	1,740	1,715	1,814	1,869	1,890	2,000
Unpaid family workers	1,810	1,642	1,378	1,645	1,580	1,518	1,457	1,341
<b>Weekly hours:</b>								
<b>Nonagriculture:</b>								
Wage and salary workers	38.3	38.1	39.2	39.1	39.2	39.2	39.4	39.2
Self-employed	45.0	41.2	40.8	39.5	39.4	39.6	39.7	39.6
Unpaid family workers	37.9	34.7	34.0	33.7	33.5	34.1	32.6	34.0
<b>Agriculture:</b>								
Wage and salary workers	40.0	41.6	41.2	41.0	41.1	41.5	41.6	40.6
Self-employed	51.0	49.3	46.8	43.0	43.5	43.1	42.7	43.3
Unpaid family workers	40.0	38.6	38.5	39.0	42.0	38.0	44.3	36.2

<sup>1</sup> See footnote 2, Table 649.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; and unpublished data.

## No. 663. Employed Workers Actively Seeking a New Job: 1997

[As of February. In thousands (112,819 represents 112,819,000), except rate. For employed wage and salary workers 16 old and over (except as indicated) responding to the question on actively seeking work in the prior 3 months Based on the Current Population Survey; see text, Section 1, Population, and Appendix III]

Characteristic	Persons responding to search question				Characteristic	Persons responding to search question			
	Total employed	Total	Actively seeking work	Percent		Total employed	Total	Actively seeking work	Percent
<b>Total</b> . . . . .	<b>112,819</b>	<b>110,546</b>	<b>5,528</b>	<b>5.0</b>	Professional specialty . . . . .	17,477	17,186	921	5.4
Age:					Technical and related support. . . . .	4,042	3,998	206	5.2
16 to 19 years old . . . . .	5,951	5,828	400	6.9	Sales. . . . .	12,493	12,247	774	6.3
20 to 24 years old . . . . .	11,645	11,326	949	8.4	Administrative support, including clerical. . . . .	17,843	17,585	816	4.6
25 to 34 years old . . . . .	29,278	28,590	1,825	6.4	Private household . . . . .	731	644	20	3.1
35 to 44 years old . . . . .	31,126	30,579	1,396	4.6	Protective service. . . . .	2,138	2,097	80	3.8
45 to 54 years old . . . . .	22,474	22,078	732	3.3	Service, except private households and protective . . . . .	12,808	12,425	658	5.3
55 to 64 years old . . . . .	9,843	9,698	203	2.1	Precision production, craft, and repair. . . . .	11,803	11,586	458	4.0
65 years old and over. . . . .	2,502	2,447	23	0.9	Machine operators, assemblers, and inspectors . . . . .	7,691	7,534	330	4.4
Sex: Male . . . . .	58,797	57,655	3,071	5.3	Transportation and material moving occupations. . . . .	4,787	4,653	178	3.8
Female . . . . .	54,022	52,891	2,457	4.6	Handlers, equipment cleaners, helpers and laborers . . . . .	4,517	4,396	314	7.1
Educational attainment: <sup>1</sup>					Farming, forestry and fishing . . . . .	1,604	1,558	78	5.0
Less than high school diploma . . . . .	9,669	9,389	310	3.3					
High school diploma, no college . . . . .	31,326	30,672	969	3.2					
Some college or associate degree . . . . .	26,676	26,265	1,296	4.9					
Bachelor's degree or more . . . . .	27,552	27,065	1,604	5.9					
Occupation: <sup>1</sup>									
Executive, administrative, and managerial . . . . .	14,887	14,639	694	4.7					

<sup>1</sup> Persons 25 years old and over.

Source: U.S. Bureau of Labor Statistics, Current Population Survey, February 1997, unpublished data.

## No. 664. Persons At Work, by Hours Worked: 1998

[For civilian noninstitutional population 16 years old and over (125,877 represents 125,877,000). Annual averages of monthly figures. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Hours of work	Persons at work (1,000)			Percent distribution		
	Total	Agriculture industries	Non-agriculture industries	Total	Agriculture industries	Non-agriculture industries
<b>Total</b> . . . . .	<b>125,877</b>	<b>3,217</b>	<b>122,660</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
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 58 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 weekly hours:						
Total at work . . . . .	39.3	41.6	39.2	(X)	(X)	(X)
Persons usually working full time . . . . .	43.2	47.9	43.1	(X)	(X)	(X)

X Not applicable.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January, 1999 issue.

## No. 665. Persons With a Job But Not at Work: 1970 to 1998

[In thousands (4,645 represents 4,645,000), except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Reason for not working	1970	1975	1980	1985	1990 <sup>1</sup>	1993	1994 <sup>1</sup>	1995	1996	1997 <sup>1</sup>	1998 <sup>1</sup>
<b>All industries, number</b> . . . . .	<b>4,645</b>	<b>5,221</b>	<b>5,881</b>	<b>5,789</b>	<b>6,160</b>	<b>6,041</b>	<b>5,619</b>	<b>5,582</b>	<b>5,768</b>	<b>5,555</b>	<b>5,586</b>
Percent of employed . . . . .	5.9	6.1	5.9	5.4	5.2	5.0	4.6	4.5	4.6	4.3	4.2
Reason for not working:											
Vacation . . . . .	2,341	2,815	3,320	3,338	3,529	3,328	2,877	2,982	3,085	2,942	3,033
Illness . . . . .	1,324	1,343	1,426	1,308	1,341	1,295	1,184	1,084	1,090	1,114	1,095
Bad weather . . . . .	128	139	155	141	90	153	165	122	256	146	130
Industrial dispute . . . . .	156	95	105	42	24	24	15	21	11	20	10
All other . . . . .	696	829	876	960	1,177	1,241	1,378	1,373	1,325	1,334	1,318

<sup>1</sup> See footnote 2, Table 649.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; and unpublished data.

## No. 666. Self-Employed Workers, by Industry and Occupation: 1970 to 1998

[In thousands (7,031 represents 7,031,000). For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Data from 1994 forward are not fully comparable with data for prior years because of the introduction of the occupational and industrial classification used in the 1990 census. Based on the Current Population Survey; see text, Section 1, Population, and Appendix III]

Item	1970	1980	1990 <sup>1</sup>	1994 <sup>1</sup>	1995	1996	1997 <sup>1</sup>	1998 <sup>1</sup>
<b>Total self-employed. . . . .</b>	<b>7,031</b>	<b>8,642</b>	<b>10,097</b>	<b>10,648</b>	<b>10,482</b>	<b>10,490</b>	<b>10,513</b>	<b>10,303</b>
Industry: Agriculture . . . . .	1,810	1,642	1,378	1,645	1,580	1,518	1,457	1,341
Nonagriculture . . . . .	5,221	7,000	8,719	9,003	8,902	8,971	9,056	8,962
Mining . . . . .	14	28	24	13	16	15	14	21
Construction . . . . .	687	1,173	1,457	1,506	1,460	1,496	1,492	1,519
Manufacturing . . . . .	264	358	427	426	433	406	422	428
Transportation and public utilities . . . . .	196	282	301	385	396	432	438	430
Trade . . . . .	1,667	1,899	1,851	1,906	1,772	1,760	1,761	1,640
Finance, insurance, and real estate . . . . .	254	458	630	625	660	674	629	609
Services . . . . .	2,140	2,804	4,030	4,142	4,166	4,189	4,300	4,317
Occupation:								
Managerial and professional specialty. . . . .	(NA)	(NA)	3,050	3,106	3,147	3,288	3,432	3,400
Technical, sales, and administrative support. . . . .	(NA)	(NA)	2,240	2,380	2,341	2,304	2,219	2,117
Service occupations . . . . .	(NA)	(NA)	1,207	1,178	1,190	1,198	1,179	1,198
Precision production, craft, and repair. . . . .	(NA)	(NA)	1,675	1,740	1,618	1,595	1,651	1,697
Operators, fabricators, and laborers . . . . .	(NA)	(NA)	567	639	631	634	629	584
Farming, forestry, and fishing . . . . .	(NA)	(NA)	1,358	1,605	1,556	1,471	1,403	1,307

NA Not available. <sup>1</sup> See footnote 2, Table 649.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307; *Employment and Earnings*, monthly, January issues; and unpublished data.

## No. 667. Self-Employed Persons With Home-Based Businesses: 1997

[As of May (4,125 represents 4,125,000). For persons at work 16 years and over in nonagricultural industries who worked in home-based businesses as part of their primary job. Based on the Current Population Survey; see text, Section 1, Population, and Appendix III]

Characteristic	Percent distribution by hours worked at home				Mean hours	
	Total <sup>1</sup> (1,000)	Less than 8 hours	8 hours or more		Worked at home	Total at work on primary job
			Total	35 hours or more		
<b>Total . . . . .</b>	<b>4,125</b>	<b>30.4</b>	<b>69.6</b>	<b>29.3</b>	<b>23.0</b>	<b>37.3</b>
<b>SEX</b>						
Male. . . . .	2,157	36.2	63.8	25.5	20.4	42.1
Female. . . . .	1,968	24.2	75.8	33.5	25.9	31.9
<b>RACE AND HISPANIC ORIGIN</b>						
White . . . . .	3,868	30.5	69.5	29.0	22.9	36.9
Black . . . . .	135	29.2	70.8	47.0	29.1	42.7
Hispanic origin <sup>2</sup> . . . . .	156	27.8	72.2	31.3	23.8	35.9
<b>OCCUPATION</b>						
Managerial and professional . . . . .	1,714	28.3	71.7	28.2	23.1	37.0
Exec., admin., and managerial. . . . .	1,014	28.3	71.7	29.0	23.8	39.6
Professional . . . . .	700	28.3	71.7	27.1	22.1	33.2
Technical, sales and administrative <sup>3</sup> . . . . .	1,016	33.4	66.6	22.5	19.5	32.0
Sales . . . . .	722	34.4	65.6	24.1	20.2	35.8
Administrative support . . . . .	259	33.1	66.9	15.5	16.7	20.1
Service . . . . .	616	12.0	88.0	58.3	36.9	42.1
Precision production, craft, and repair. . . . .	564	50.1	49.9	15.1	14.8	41.9
Operators, fabricators, and laborers . . . . .	215	36.1	63.9	22.4	20.0	38.0
<b>INDUSTRY</b>						
Construction . . . . .	726	49.5	50.5	14.3	14.3	44.3
Manufacturing . . . . .	193	13.6	86.4	38.5	29.1	36.5
Transportation and public utilities. . . . .	132	52.8	47.2	18.0	14.9	35.7
Wholesale trade . . . . .	185	28.9	71.1	30.2	22.3	39.4
Retail trade . . . . .	532	38.9	61.1	19.2	19.1	30.5
Finance, insurance, and real estate . . . . .	291	22.5	77.5	23.6	20.9	34.5
Services . . . . .	2,054	23.0	77.0	37.8	27.4	36.8

<sup>1</sup> Includes persons who worked at home but did not report the number of hours worked. These persons are excluded from the distribution. <sup>2</sup> Persons of Hispanic origin may be of any race. <sup>3</sup> Includes other occupations, not shown separately.

Source: U.S. Bureau of Labor Statistics, *News*, USDL 98-93, March 11, 1998.

## No. 668. Multiple Jobholders: 1998

[Annual average of monthly figures (7,926 represents 7,926,000). For the civilian noninstitutional population 16 years old and over. Multiple jobholders are employed persons who, either 1) had jobs as wage or salary workers with two employers or more; 2) were self-employed and also held a wage and salary job; or 3) were unpaid family workers on their primary jobs but also held wage and salary job. Based on the Current Population Survey; see text, Section 1, Population, and Appendix III]

Characteristic	Total		Male		Female	
	Number (1,000)	Percent of employed	Number (1,000)	Percent of employed	Number (1,000)	Percent of employed
<b>Total</b> <sup>1</sup> . . . . .	<b>7,926</b>	<b>6.0</b>	<b>4,178</b>	<b>5.9</b>	<b>3,748</b>	<b>6.2</b>
Age:						
16 to 19 years old . . . . .	335	4.8	138	3.9	198	5.7
20 to 24 years old . . . . .	788	6.3	363	5.5	425	7.2
25 to 54 years old . . . . .	6,011	6.3	3,228	6.3	2,783	6.3
55 to 64 years old . . . . .	682	5.3	378	5.4	303	5.2
65 years old and over . . . . .	109	2.9	71	3.3	39	2.5
Race and Hispanic origin:						
White . . . . .	6,832	6.2	3,622	6.0	3,210	6.4
Black . . . . .	802	5.5	406	5.9	396	5.2
Hispanic origin <sup>2</sup> . . . . .	503	3.8	299	3.7	204	3.9
Marital status:						
Married, spouse present . . . . .	4,414	5.8	2,664	6.2	1,750	5.3
Widowed, divorced, or separated . . . . .	1,385	6.7	498	5.8	887	7.3
Single, never married . . . . .	2,127	6.1	1,016	5.3	1,110	7.0
Full- or part-time status:						
Primary job full time, secondary job . . . . .	4,478	(X)	2,608	(X)	1,870	(X)
Both jobs part time . . . . .	1,635	(X)	512	(X)	1,124	(X)
Both jobs full time . . . . .	266	(X)	188	(X)	78	(X)
Hours vary on primary or secondary job . . . . .	1,504	(X)	848	(X)	656	(X)

X Not applicable. <sup>1</sup> Includes a small number of persons who work part time on their primary job and full time on their secondary job(s), not shown separately. Includes other races, not shown separately. <sup>2</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January 1999 issue.

## No. 669. Reasons for Multiple Jobholding: 1997

[As of May (8,751 represents 8,751,000). See headnote, Table 668]

Characteristic	Percent distribution by reason								
	Total (1,000)	Meet regular household expenses	To pay off debts	To save for the future	To get experience or build up a business	To help out a friend or relative	To get extra money to buy something special	Enjoys the work on the second job	Other reasons
<b>Total</b> <sup>1</sup> . . . . .	<b>8,751</b>	<b>30.9</b>	<b>10.5</b>	<b>8.7</b>	<b>7.7</b>	<b>3.2</b>	<b>7.9</b>	<b>14.5</b>	<b>16.6</b>
Age:									
16 to 24 years old . . . . .	1,274	24.7	18.2	11.4	5.2	2.3	13.0	6.5	18.5
25 to 54 years old . . . . .	6,648	33.0	9.8	8.4	8.4	3.3	6.7	14.4	15.7
55 years old and over . . . . .	829	23.6	4.6	6.2	5.0	3.7	9.4	26.9	20.7
Race and Hispanic origin:									
White . . . . .	7,566	29.7	9.8	8.8	8.0	3.5	8.0	15.2	17.1
Black . . . . .	874	38.9	14.1	7.9	5.6	1.4	7.0	11.4	13.8
Hispanic origin <sup>2</sup> . . . . .	557	39.5	9.5	9.7	5.4	3.1	11.1	4.7	17.1
Males . . . . .	4,720	29.4	10.4	10.1	8.4	2.8	7.4	15.9	15.7
Single . . . . .	1,238	24.5	15.6	11.1	8.0	2.3	10.2	10.3	18.0
Married, spouse present . . . . .	2,910	31.2	8.1	10.1	8.2	3.0	6.3	19.2	13.9
Widowed, divorced, or separated . . . . .	573	30.6	10.5	7.9	9.8	2.8	7.2	11.0	20.3
Females . . . . .	4,031	32.7	10.7	6.9	7.0	3.7	8.5	12.8	17.6
Single . . . . .	1,145	28.7	15.5	9.4	3.6	2.5	12.9	9.0	18.3
Married, spouse present . . . . .	1,941	28.8	7.2	6.5	9.9	4.1	7.4	16.5	19.5
Widowed, divorced, or separated . . . . .	946	45.4	12.2	4.9	5.1	4.3	5.4	9.9	12.8
Women who maintain families . . . . .	577	52.5	12.0	5.0	1.6	2.1	6.1	8.3	12.5

<sup>1</sup> Due to estimation procedures, the number of multiple jobholders differs from the regularly published monthly data. Includes other races, not shown separately. <sup>2</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, unpublished data.



## No. 670. Distribution of Workers, by Tenure With Current Employer, by Selected Characteristic: 1998

[As of February (115,892 represents 115,892,000). For employed wage and salary workers 16 years old and over. Based on the Current Population Survey and subject to sampling error; see source and Appendix III]

Characteristic	Number employed (1,000)	Percent distribution by tenure with current employer								Median years <sup>1</sup>
		12 months or less	13 to 23 months	2 years	3 to 4 years	5 to 9 years	10 to 14 years	15 to 19 years	20 years or more	
<b>Total<sup>2</sup></b>	<b>115,892</b>	<b>27.8</b>	<b>7.9</b>	<b>4.9</b>	<b>15.8</b>	<b>17.9</b>	<b>10.7</b>	<b>6.1</b>	<b>9.0</b>	<b>3.6</b>
<b>AGE AND SEX</b>										
16 to 19 years old	6,461	77.9	10.2	6.1	5.5	0.3	-	-	-	0.7
20 years old and over	109,431	24.8	7.7	4.8	16.4	18.9	11.3	6.5	9.5	4.0
25 to 24 years old	11,967	53.5	13.1	9.1	18.4	5.9	(Z)	-	-	1.1
35 to 34 years old	29,291	31.3	10.4	6.0	21.9	21.0	8.0	0.9	-	2.7
45 to 44 years old	31,684	20.5	6.7	4.0	15.6	21.0	15.9	9.7	5.6	5.0
55 to 54 years old	23,482	14.7	5.2	3.4	12.5	18.7	13.6	10.2	21.7	8.1
65 years old and over	10,377	11.6	4.0	2.6	11.0	17.3	14.2	10.4	28.9	10.1
Male	60,143	26.9	7.5	4.7	15.9	17.4	13.9	6.2	10.9	3.8
Female	3,143	78.3	10.4	5.0	5.9	0.4	-	-	-	0.7
16 to 19 years old	56,970	24.1	7.3	4.7	16.4	18.3	11.1	6.6	11.5	4.2
20 years old and over	6,270	52.1	12.1	10.3	19.4	6.0	(Z)	-	-	1.2
25 to 34 years old	15,637	30.6	9.6	5.7	22.6	22.2	8.4	1.0	-	2.8
35 to 44 years old	16,568	19.2	6.5	3.5	14.7	21.8	16.7	10.8	6.8	5.5
45 to 54 years old	11,866	14.3	4.6	3.1	12.2	16.2	11.5	10.7	27.5	9.4
55 to 64 years old	5,333	11.3	3.9	2.6	10.1	15.9	12.2	8.3	35.8	11.2
65 years old and over	1,297	16.5	4.9	4.3	14.2	17.7	15.1	6.3	20.9	7.1
Female	55,779	28.7	8.3	5.1	15.8	18.3	10.9	6.0	6.9	3.4
16 to 19 years old	3,318	77.4	10.0	7.2	5.2	0.2	-	-	-	0.7
20 years old and over	52,461	25.6	8.2	5.0	16.4	19.5	11.6	6.3	7.4	3.8
25 to 24 years old	5,697	55.0	14.2	7.7	17.3	5.7	(Z)	-	-	1.1
35 to 34 years old	13,654	32.2	11.3	6.4	21.2	20.8	7.4	0.7	-	2.5
45 to 44 years old	15,116	21.9	6.8	4.5	16.6	22.3	15.0	8.6	4.2	4.5
55 to 54 years old	11,616	15.2	5.8	3.8	12.8	21.3	15.7	9.7	15.8	7.2
65 years old and over	5,044	11.9	4.2	2.6	11.9	18.9	16.3	12.6	21.6	9.6
Female	1,334	15.7	2.1	3.0	12.0	19.6	12.6	12.6	22.4	8.7
<b>RACE AND HISPANIC ORIGIN</b>										
White	97,341	27.5	8.0	4.8	15.7	18.0	10.8	6.2	9.2	3.6
Male	51,234	26.6	7.5	4.6	15.7	17.3	10.7	6.4	11.2	3.9
Female	46,108	28.4	8.6	5.0	15.6	18.7	11.0	5.9	6.9	3.4
Black	13,298	29.1	6.3	5.4	16.6	16.8	10.0	6.4	9.4	3.5
Male	6,123	28.7	6.1	5.2	16.5	17.3	9.2	6.0	11.1	3.6
Female	7,175	29.5	6.5	5.6	16.6	16.3	10.7	6.7	8.0	3.4
Hispanic origin <sup>3</sup>	12,695	31.4	8.4	6.5	19.6	17.4	8.6	3.6	4.4	2.8
Male	7,468	30.7	7.9	6.1	19.9	18.1	8.1	4.0	5.2	3.0
Female	5,227	32.5	9.1	7.0	19.0	16.5	9.3	3.2	3.3	2.6

- Represents zero. Z Less than 0.05 percent. <sup>1</sup> For definition of median, see Guide to Tabular Presentation. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> Persons of Hispanic origin may be of any race.

Source: U. S. Bureau of Labor Statistics, *News*, USDL 98-387, September 23, 1998, and unpublished data.

## No. 671. Part-Time Workers, by Reason: 1998

[In thousands (33,132 represents 33,132,000), except hours. For persons working 1 to 34 hours per per week. For civilian noninstitutional population 16 years old and over. Annual average of monthly figures. Based on the Current Population Survey and subject to sampling error; see text, Section 1, Population, and Appendix III]

Reason	All industries			Nonagricultural industries		
	Usually work—			Usually work—		
	Total	Full time	Part time	Total	Full time	Part time
<b>Total working fewer than 35 hours</b>	<b>33,132</b>	<b>12,260</b>	<b>20,872</b>	<b>32,146</b>	<b>11,929</b>	<b>20,217</b>
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 find only part-time work	1,258	-	1,258	1,228	-	1,228
Seasonal work	135	89	47	102	66	37
Job started or ended during the 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	-
Other	6,685	2,689	3,997	6,508	2,634	3,874
Average hours per week:						
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

- Represents or rounds to zero.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January 1999 issue.

## No. 672. Displaced Workers, by Selected Characteristics: 1998

[In percent, except total (3,578 represents 3,578,000). As of February. For persons 20 years old and over with tenure of 3 years or more who lost or left a job between January 1995 and December 1997 because of plant closings or moves, slack work, or the abolishment of their positions. Data revised since originally published. Based on Current Population Survey and subject to sampling error; see source and Appendix III]

Characteristic	Employment status				Reason for job loss		
	Total (1,000)	Employed	Unem- ployed	Not in the labor force	Plant or company closed down or moved	Slack work	Position or shift abolished
<b>Total</b> <sup>1</sup> . . . . .	<b>3,578</b>	<b>75.9</b>	<b>10.0</b>	<b>14.1</b>	<b>47.2</b>	<b>21.2</b>	<b>31.6</b>
20 to 24 years old . . . . .	108	61.2	11.8	27.0	43.1	38.7	18.2
25 to 54 years old . . . . .	2,835	81.5	9.9	8.5	47.1	20.9	32.0
55 to 64 years old . . . . .	471	59.6	9.9	30.4	46.0	17.7	36.4
65 years old and over . . . . .	163	34.7	10.6	54.8	54.0	25.7	20.3
<b>Males</b> . . . . .	<b>1,898</b>	<b>78.8</b>	<b>12.0</b>	<b>9.3</b>	<b>44.0</b>	<b>26.0</b>	<b>30.0</b>
20 to 24 years old . . . . .	49	(2)	(2)	(2)	(2)	(2)	(2)
25 to 54 years old . . . . .	1,488	84.3	11.3	4.4	45.3	25.5	29.2
55 to 64 years old . . . . .	280	61.9	12.6	25.4	42.8	16.4	40.8
65 years old and over . . . . .	81	42.0	16.8	41.3	40.3	40.6	19.1
<b>Females</b> . . . . .	<b>1,680</b>	<b>72.6</b>	<b>7.8</b>	<b>19.5</b>	<b>50.7</b>	<b>15.8</b>	<b>33.5</b>
20 to 24 years old . . . . .	59	(2)	(2)	(2)	(2)	(2)	(2)
25 to 54 years old . . . . .	1,347	78.4	8.5	13.1	49.2	15.7	35.1
55 to 64 years old . . . . .	191	56.2	6.0	37.8	50.7	19.5	29.8
65 years old and over . . . . .	82	27.4	4.3	68.2	67.7	10.9	21.5
White . . . . .	3,063	76.0	9.4	14.6	46.0	21.3	32.7
Black . . . . .	366	73.1	16.3	10.6	53.1	17.7	29.2
Hispanic origin <sup>3</sup> . . . . .	354	71.6	15.4	13.0	57.8	26.0	16.2

<sup>1</sup> Includes other races, not shown separately. <sup>2</sup> Data not shown where base is less than 75,000. <sup>3</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, *News*, USDL 98-347, August 19, 1998.

## No. 673. Percent Distribution of Employed Persons by Disability Status: 1991 to 1994

[[119,432 represents 119,432,000]. Data from the Survey of Income and Program Participation]

Disability status	1991	1993	1994	Disability status			
				1991	1993	1994	
All employed persons (1,000) . . . . .	119,432	122,614	125,591	Lifting and carrying . . . . .	2.3	2.6	2.5
Total of employed persons . . . . .	100.0	100.0	100.0	Climbing stairs . . . . .	2.3	2.6	2.6
With no disability . . . . .	86.6	86.2	86.2	Walking 3 city blocks . . . . .	2.4	2.6	2.7
With a disability . . . . .	13.4	13.8	13.8	With an ADL <sup>1</sup> limitation . . . . .	0.8	1.0	0.9
Severe . . . . .	2.8	3.2	3.4	With an IADL <sup>2</sup> limitation . . . . .	1.1	1.3	1.4
Not severe . . . . .	10.6	10.6	10.4	Needs personal assistance and an ADL or IADL . . . . .	0.7	0.9	0.9
With a functional limitation . . . . .	8.4	8.9	7.9	Uses a wheelchair . . . . .	0.1	0.1	0.1
Severe . . . . .	1.7	2.0	2.1	Does not use a wheelchair, but uses a cane, crutches, or a walker . . . . .	0.4	0.5	0.4
With difficulty:							
Seeing words and letters . . . . .	2.0	2.2	1.6				
Hearing normal conversation . . . . .	3.2	3.5	2.7				

<sup>1</sup> ADLs are activities of daily living and include getting around inside the home, getting in or out of a bed or chair, taking a bath or shower, dressing, eating, and using the toilet. <sup>2</sup> IADLs are instrumental activities of daily living and include going outside the home, keeping track of money and bills, preparing meals, doing light housework, and using the telephone.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/hhes/www/disable/dissipp.html>> (Accessed 18 June 1997)

## No. 674. Persons Not in the Labor Force: 1998

[In thousands (67,547 represents 67,547,000). Annual average of monthly figures. For the civilian noninstitutional population 16 years old and over. Based on the Current Population Survey; see text, Section 1, Population, and Appendix III]

Status and reason	Age				Sex	
	Total	16 to 24 yrs. old	25 to 54 yrs. old	55 yrs. old and over	Male	Female
		67,547	11,343	18,732		
<b>Total not in the labor force</b> . . . . .	<b>67,547</b>	<b>11,343</b>	<b>18,732</b>	<b>37,472</b>	<b>24,799</b>	<b>42,748</b>
Do not want a job now <sup>1</sup> . . . . .	62,735	9,491	16,580	36,664	22,790	39,945
Want a job now . . . . .	4,812	1,852	2,152	807	2,008	2,803
In the previous year—						
Did not search for a job . . . . .	2,859	1,011	1,240	608	1,134	1,725
Did search for a job <sup>2</sup> . . . . .	1,953	841	912	200	875	1,078
Not available for work now . . . . .	643	332	275	36	250	392
Available for work now, not looking for work . . . . .	1,310	509	637	164	624	686
Reason for not currently looking:						
Discouraged over job prospects <sup>3</sup> . . . . .	331	108	170	53	198	133
Family responsibilities . . . . .	143	37	93	13	23	120
In school or training . . . . .	206	173	32	1	105	102
Ill health or disability . . . . .	104	14	69	21	52	52
Other <sup>4</sup> . . . . .	525	177	273	75	247	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 such things as 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 such things as child care and transportation problems.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January 1999 issue.

## No. 675. Employed Civilians, by Occupation, Sex, Race, and Hispanic Origin: 1983 and 1998

[For civilian noninstitutional population 16 years old and over (100,834 represents 100,834,000). Annual average of monthly figures. Based on Current Population Survey; see text, Section 1, Population, and Appendix III. Persons of Hispanic origin may be of any race. See headnote, Table 666]

Occupation	1983				1998 <sup>1</sup>			
	Total em- ployed (1,000)	Percent of total			Total em- ployed (1,000)	Percent of total		
		Fe- male	Black	His- panic		Fe- male	Black	His- panic
<b>Total</b> . . . . .	<b>100,834</b>	<b>43.7</b>	<b>9.3</b>	<b>5.3</b>	<b>131,463</b>	<b>46.2</b>	<b>11.1</b>	<b>10.1</b>
<b>Managerial and professional specialty</b> . . . . .	<b>23,592</b>	<b>40.9</b>	<b>5.6</b>	<b>2.6</b>	<b>38,937</b>	<b>49.0</b>	<b>7.6</b>	<b>5.0</b>
Executive, administrative, and managerial <sup>2</sup> . . . . .	10,772	32.4	4.7	2.8	19,054	44.4	7.2	5.4
Officials and administrators, public . . . . .	417	38.5	8.3	3.8	630	48.5	12.1	4.5
Financial managers . . . . .	357	38.6	3.5	3.1	705	53.3	6.8	4.4
Personnel and labor relations managers . . . . .	106	43.9	4.9	2.6	162	65.9	7.7	4.3
Purchasing managers . . . . .	82	23.6	5.1	1.4	136	39.4	5.0	5.5
Managers, marketing, advertising and public relations . . . . .	396	21.8	2.7	1.7	772	38.5	3.8	3.4
Administrators, education and related fields . . . . .	415	41.4	11.3	2.4	752	62.2	10.6	4.2
Managers, medicine and health . . . . .	91	57.0	5.0	2.0	725	79.2	6.8	5.3
Managers, properties and real estate . . . . .	305	42.8	5.5	5.2	517	52.2	7.1	9.4
Management-related occupations <sup>2</sup> . . . . .	2,966	40.3	5.8	3.5	4,700	57.1	9.7	5.4
Accountants and auditors . . . . .	1,105	38.7	5.5	3.3	1,616	58.2	9.4	4.9
Professional specialty <sup>2</sup> . . . . .	12,820	48.1	6.4	2.5	19,883	53.3	7.9	4.6
Architects . . . . .	103	12.7	1.6	1.5	158	17.5	2.0	5.2
Engineers <sup>2</sup> . . . . .	1,572	5.8	2.7	2.2	2,052	11.1	4.1	3.8
Aerospace engineers . . . . .	80	6.9	1.5	2.1	86	8.4	3.3	2.6
Chemical engineers . . . . .	67	6.1	3.0	1.4	69	16.5	4.6	1.0
Civil engineers . . . . .	211	4.0	1.9	3.2	296	12.1	2.0	4.6
Electrical and electronic . . . . .	450	6.1	3.4	3.1	629	9.0	5.3	3.7
Industrial engineers . . . . .	210	11.0	3.3	2.4	262	18.3	5.3	5.6
Mechanical . . . . .	259	2.8	3.2	1.1	335	7.0	3.3	2.0
Mathematical and computer scientists <sup>2</sup> . . . . .	463	29.6	5.4	2.6	1,747	28.9	7.2	4.2
Computer systems analysts, scientists . . . . .	276	27.8	6.2	2.7	1,471	26.9	7.2	3.6
Operations and systems researchers and analysts . . . . .	142	31.3	4.9	2.2	212	41.9	8.8	8.5
Natural scientists <sup>2</sup> . . . . .	357	20.5	2.6	2.1	519	30.9	3.9	3.0
Chemists, except biochemists . . . . .	98	23.3	4.3	1.2	133	32.9	6.1	3.1
Biological and life scientists . . . . .	55	40.8	2.4	1.8	104	38.8	3.3	1.5
Medical scientists . . . . .	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	83	45.2	5.6	5.2
Health diagnosing occupations <sup>2</sup> . . . . .	735	13.3	2.7	3.3	1,083	26.3	4.2	4.0
Physicians . . . . .	519	15.8	3.2	4.5	740	26.6	4.9	4.8
Dentists . . . . .	126	6.7	2.4	1.0	155	19.8	2.8	2.0
Health assessment and treating occupations . . . . .	1,900	85.8	7.1	2.2	2,898	85.2	8.9	3.4
Registered nurses . . . . .	1,372	95.8	6.7	1.8	2,032	92.5	9.3	3.2
Pharmacists . . . . .	158	26.7	3.8	2.6	180	44.0	4.1	5.1
Dietitians . . . . .	71	90.8	21.0	3.7	90	86.0	18.2	4.3
Therapists <sup>2</sup> . . . . .	247	76.3	7.6	2.7	528	75.4	7.3	3.8
Respiratory therapists . . . . .	69	69.4	6.5	3.7	103	60.8	11.7	2.0
Physical therapists . . . . .	55	77.0	9.7	1.5	134	72.9	4.2	5.4
Speech therapists . . . . .	51	90.5	1.5	-	105	92.6	1.9	6.3
Physicians' assistants . . . . .	51	36.3	7.7	4.4	68	52.6	10.6	2.8
Teachers, college and university . . . . .	606	36.3	4.4	1.8	919	42.3	5.8	3.6
Teachers, except college and university <sup>2</sup> . . . . .	3,365	70.9	9.1	2.7	4,962	75.3	10.0	5.4
Prekindergarten and kindergarten . . . . .	299	98.2	11.8	3.4	586	97.8	14.4	8.0
Elementary school . . . . .	1,350	83.3	11.1	3.1	1,951	84.0	10.5	5.6
Secondary school . . . . .	1,209	51.8	7.2	2.3	1,225	56.9	8.9	4.2
Special education . . . . .	81	82.2	10.2	2.3	381	82.0	11.0	4.7
Counselors, educational and vocational . . . . .	184	53.1	13.9	3.2	230	68.8	13.2	5.5
Librarians, archivists, and curators . . . . .	213	84.4	7.8	1.6	236	80.8	5.9	5.4
Librarians . . . . .	193	87.3	7.9	1.8	208	83.4	5.2	5.9
Social scientists and urban planners <sup>2</sup> . . . . .	261	46.8	7.1	2.1	430	54.7	6.7	5.2
Economists . . . . .	98	37.9	6.3	2.7	137	46.3	3.6	6.5
Psychologists . . . . .	135	57.1	8.6	1.1	232	62.1	10.2	4.0
Social, recreation, and religious workers <sup>2</sup> . . . . .	831	43.1	12.1	3.8	1,329	55.1	17.5	5.9
Social workers . . . . .	407	64.3	18.2	6.3	749	68.4	23.4	6.4
Recreation workers . . . . .	65	71.9	15.7	2.0	132	75.1	15.9	4.8
Clergy . . . . .	293	5.6	4.9	1.4	325	12.0	8.7	6.1
Lawyers and judges . . . . .	651	15.8	2.7	1.0	951	28.6	4.3	3.0
Lawyers . . . . .	612	15.3	2.6	0.9	912	28.5	4.0	3.0
Writers, artists, entertainers, and athletes <sup>2</sup> . . . . .	1,544	42.7	4.8	2.9	2,353	51.4	6.2	5.6
Authors . . . . .	62	46.7	2.1	0.9	130	55.0	2.2	1.3
Technical writers . . . . .	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	73	57.4	3.5	1.2
Designers . . . . .	393	52.7	3.1	2.7	692	58.0	3.0	6.6
Musicians and composers . . . . .	155	28.0	7.9	4.4	183	39.7	10.8	7.2
Actors and directors . . . . .	60	30.8	6.6	3.4	130	38.7	8.2	4.5
Painters, sculptors, craft-artists, and artist printmakers . . . . .	186	47.4	2.1	2.3	241	53.9	4.7	5.0
Photographers . . . . .	113	20.7	4.0	3.4	154	38.1	5.5	7.1
Editors and reporters . . . . .	204	48.4	2.9	2.1	274	51.0	8.9	3.1
Public relations specialists . . . . .	157	50.1	6.2	1.9	170	66.3	8.8	4.0
Announcers . . . . .	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	60	17.1	10.7	5.0
Athletes . . . . .	58	17.6	9.4	1.7	91	23.7	12.7	3.7

See footnotes at end of table.

## No. 675. Employed Civilians, by Occupation, Sex, Race, and Hispanic Origin: 1983 and 1998—Continued

[See headnote, page 424]

Occupation	1983				1998 <sup>1</sup>			
	Total em- ployed (1,000)	Percent of total			Total em- ployed (1,000)	Percent of total		
		Fe- male	Black	His- panic		Fe- male	Black	His- panic
<b>Technical, sales, and administrative support . . . . .</b>	<b>31,265</b>	<b>64.6</b>	<b>7.6</b>	<b>4.3</b>	<b>38,521</b>	<b>64.2</b>	<b>11.1</b>	<b>8.3</b>
Technicians and related support . . . . .	3,053	48.2	8.2	3.1	4,261	53.6	10.4	6.6
Health technologists and technicians <sup>2</sup> . . . . .	1,111	84.3	12.7	3.1	1,733	81.6	13.9	7.0
Clinical laboratory technologists and technicians . . . . .	255	76.2	10.5	2.9	359	78.5	15.0	6.4
Dental hygienists . . . . .	66	98.6	1.6	-	112	99.1	3.9	3.9
Radiologic technicians . . . . .	101	71.7	8.6	4.5	170	69.5	8.2	2.0
Licensed practical nurses . . . . .	443	97.0	17.7	3.1	381	96.0	17.4	5.8
Engineering and related technologists and technicians <sup>2</sup> . . . . .	822	18.4	6.1	3.5	970	20.8	8.6	7.6
Electrical and electronic technicians . . . . .	260	12.5	8.2	4.6	431	16.9	9.3	8.8
Drafting occupations . . . . .	273	17.5	5.5	2.3	228	19.3	3.5	6.2
Surveying and mapping technicians . . . . .	(3)	(3)	(3)	(3)	71	12.8	3.5	8.2
Science technicians <sup>2</sup> . . . . .	202	29.1	6.6	2.8	285	43.3	8.8	5.8
Biological technicians . . . . .	52	37.7	2.9	2.0	108	68.2	4.0	4.9
Chemical technicians . . . . .	82	26.9	9.5	3.5	75	21.2	12.9	5.3
Technicians, except health, engineering, and science <sup>2</sup> . . . . .	917	35.3	5.0	2.7	1,273	42.8	7.2	5.6
Airplane pilots and navigators . . . . .	69	2.1	-	1.6	113	3.4	1.9	2.5
Computer programmers . . . . .	443	32.5	4.4	2.1	613	28.5	6.4	4.9
Legal assistants . . . . .	128	74.0	4.3	3.6	370	82.0	8.1	7.2
Sales occupations . . . . .	11,818	47.5	4.7	3.7	15,850	50.3	8.9	7.9
Supervisors and proprietors . . . . .	2,958	28.4	3.6	3.4	4,719	40.1	6.5	6.3
Sales representatives, finance and business services <sup>2</sup> . . . . .	1,853	37.2	2.7	2.2	2,668	43.6	7.6	4.8
Insurance sales . . . . .	551	25.1	3.8	2.5	592	41.5	9.1	4.2
Real estate sales . . . . .	570	48.9	1.3	1.5	749	53.0	3.9	4.1
Securities and financial services sales . . . . .	212	23.6	3.1	1.1	477	29.1	6.4	3.7
Advertising and related sales . . . . .	124	47.9	4.5	3.3	186	58.3	8.9	3.1
Sales representatives, commodities, except retail . . . . .	1,442	15.1	2.1	2.2	1,584	26.0	2.9	5.4
Sales workers, retail and personal services . . . . .	5,511	69.7	6.7	4.8	6,784	65.4	12.5	10.7
Cashiers . . . . .	2,009	84.4	10.1	5.4	3,025	78.2	16.8	12.7
Sales-related occupations . . . . .	54	58.7	2.8	1.3	94	72.7	6.6	3.7
Administrative support, including clerical . . . . .	16,395	79.9	9.6	5.0	18,410	78.6	13.1	9.0
Supervisors . . . . .	676	53.4	9.3	5.0	698	60.1	15.1	5.9
Computer equipment operators . . . . .	605	63.9	12.5	6.0	375	54.7	14.1	7.1
Computer operators . . . . .	597	63.7	12.1	6.0	371	54.8	14.2	6.8
Secretaries, stenographers, and typists <sup>2</sup> . . . . .	4,861	98.2	7.3	4.5	3,599	97.6	9.6	7.0
Secretaries . . . . .	3,891	99.0	5.8	4.0	2,914	98.4	8.5	7.0
Typists . . . . .	906	95.6	13.8	6.4	580	94.3	16.5	7.1
Information clerks . . . . .	1,174	88.9	8.5	5.5	1,965	89.0	11.5	10.7
Receptionists . . . . .	602	96.8	7.5	6.6	1,006	95.5	10.5	12.5
Records processing occupations, except financial <sup>2</sup> . . . . .	866	82.4	13.9	4.8	1,063	79.2	14.5	10.6
Order clerks . . . . .	188	78.1	10.6	4.4	246	75.2	20.2	11.4
Personnel clerks, except payroll and time keeping . . . . .	64	91.1	14.9	4.6	74	87.1	14.0	15.9
Library clerks . . . . .	147	81.9	15.4	2.5	173	75.5	10.3	6.1
File clerks . . . . .	287	83.5	16.7	6.1	348	80.3	14.5	10.8
Records clerks . . . . .	157	82.8	11.6	5.6	205	82.5	10.7	11.9
Financial records processing <sup>2</sup> . . . . .	2,457	89.4	4.6	3.7	2,214	92.1	7.7	6.5
Bookkeepers, accounting, and auditing clerks . . . . .	1,970	91.0	4.3	3.3	1,726	93.0	6.8	6.0
Payroll and time keeping clerks . . . . .	192	82.2	5.9	5.0	146	89.7	10.6	8.8
Billing clerks . . . . .	146	88.4	6.2	3.9	185	87.2	9.3	7.9
Cost and rate clerks . . . . .	96	75.6	5.9	5.3	52	83.7	8.9	9.2
Billing, posting, and calculating machine operators . . . . .	(3)	(3)	(3)	(3)	105	94.1	15.7	6.1
Duplicating, mail and other office machine operators . . . . .	68	62.6	16.0	6.1	81	55.7	18.9	16.6
Communications equipment operators . . . . .	256	89.1	17.0	4.4	175	81.7	25.9	14.3
Telephone operators . . . . .	244	90.4	17.0	4.3	159	85.8	26.8	13.1
Mail and message distributing occupations . . . . .	799	31.6	18.1	4.5	984	38.0	21.1	10.3
Postal clerks, except mail carriers . . . . .	248	36.7	26.2	5.2	319	47.2	28.2	8.5
Mail carrier, postal service . . . . .	259	17.1	12.5	2.7	333	29.7	17.1	9.9
Mail clerks, except postal service . . . . .	170	50.0	15.8	5.9	178	49.7	24.5	12.4
Messengers . . . . .	122	26.2	16.7	5.2	155	23.1	11.4	12.3
Material recording, scheduling, and distributing <sup>2 4</sup> . . . . .	1,562	37.5	10.9	6.6	1,945	45.1	14.1	12.7
Dispatchers . . . . .	157	45.7	11.4	4.3	235	49.4	11.0	8.7
Production coordinators . . . . .	182	44.0	6.1	2.2	255	56.7	5.3	7.0
Traffic, shipping, and receiving clerks . . . . .	421	22.6	9.1	11.1	628	31.6	17.3	17.0
Stock and inventory clerks . . . . .	532	38.7	13.3	5.5	452	42.9	15.5	14.8
Weighers, measurers, and checkers . . . . .	79	47.2	16.9	5.8	51	52.4	22.8	9.4
Expeditors . . . . .	112	57.5	8.4	4.3	272	67.9	12.7	10.4
Adjusters and investigators . . . . .	675	69.9	11.1	5.1	1,813	74.7	16.3	8.0
Insurance adjusters, examiners, and investigators . . . . .	199	65.0	11.5	3.3	476	72.1	12.2	6.6
Investigators and adjusters, except insurance . . . . .	301	70.1	11.3	4.8	1,049	75.6	17.1	7.7
Eligibility clerks, social welfare . . . . .	69	88.7	12.9	9.4	94	85.8	17.5	14.7
Bill and account collectors . . . . .	106	66.4	8.5	6.5	195	70.5	21.5	9.3
Miscellaneous administrative support <sup>2</sup> . . . . .	2,397	85.2	12.5	5.9	3,496	83.1	14.7	9.7
General office clerks . . . . .	648	80.6	12.7	5.2	735	81.1	15.3	10.8
Bank tellers . . . . .	480	91.0	7.5	4.3	416	89.5	11.0	9.0
Data entry keyers . . . . .	311	93.6	18.6	5.6	711	81.8	17.4	8.4
Statistical clerks . . . . .	96	75.7	7.5	3.4	100	80.5	19.4	7.1
Teachers' aides . . . . .	348	93.7	17.8	12.6	633	93.0	15.1	13.5

See footnotes at end of table.

## No. 675. Employed Civilians, by Occupation, Sex, Race, and Hispanic Origin: 1983 and 1998—Continued

[See headnote, page 424]

Occupation	1983				1998 <sup>1</sup>			
	Total em- ployed (1,000)	Percent of total			Total em- ployed (1,000)	Percent of total		
		Fe- male	Black	His- panic		Fe- male	Black	His- panic
<b>Service occupations . . . . .</b>	<b>13,857</b>	<b>60.1</b>	<b>16.6</b>	<b>6.8</b>	<b>17,836</b>	<b>59.5</b>	<b>17.6</b>	<b>15.0</b>
Private household <sup>2</sup>	980	96.1	27.8	8.5	847	94.6	13.7	30.9
Child care workers . . . . .	408	96.9	7.9	3.6	278	96.5	9.4	19.5
Cleaners and servants . . . . .	512	95.8	42.4	11.8	549	94.3	15.4	37.0
Protective service . . . . .	1,672	12.8	13.6	4.6	2,417	17.8	19.1	8.5
Supervisors, protective service . . . . .	127	4.7	7.7	3.1	214	9.3	14.2	7.5
Supervisors, police and detectives . . . . .	58	4.2	9.3	1.2	118	11.3	10.5	6.0
Firefighting and fire prevention . . . . .	189	1.0	6.7	4.1	250	2.5	10.9	5.3
Firefighting occupations . . . . .	170	1.0	7.3	3.8	228	2.3	11.8	3.9
Police and detectives . . . . .	645	9.4	13.1	4.0	1,062	16.3	19.4	8.8
Police and detectives, public service . . . . .	412	5.7	9.5	4.4	602	11.5	15.2	10.0
Sheriffs, bailiffs, and other law enforcement officers . . . . .	87	13.2	11.5	4.0	161	17.0	16.8	8.0
Correctional institution officers . . . . .	146	17.8	24.0	2.8	299	25.4	29.2	6.8
Guards . . . . .	711	20.6	17.0	5.6	891	26.0	22.4	9.2
Guards and police, except public service . . . . .	602	13.0	18.9	6.2	753	19.0	25.1	9.9
Service except private household and protective . . . . .	11,205	64.0	16.0	6.9	14,572	64.4	17.6	15.1
Food preparation and service occupations <sup>2</sup>	4,860	63.3	10.5	6.8	6,071	56.5	11.8	17.0
Bartenders . . . . .	338	48.4	2.7	4.4	324	54.6	4.3	6.7
Waiters and waitresses . . . . .	1,357	87.8	4.1	3.6	1,379	78.3	5.4	11.3
Cooks . . . . .	1,452	50.0	15.8	6.5	2,135	40.9	16.6	21.9
Food counter, fountain, and related occupations . . . . .	326	76.0	9.1	6.7	339	69.1	10.3	10.8
Kitchen workers, food preparation . . . . .	138	77.0	13.7	8.1	269	69.0	12.1	11.1
Waiters <sup>3</sup> and waitresses <sup>3</sup> assistants . . . . .	364	38.8	12.6	14.2	559	53.4	10.7	18.8
Health service occupations . . . . .	1,739	89.2	23.5	4.8	2,480	88.5	30.1	10.0
Dental assistants . . . . .	154	98.1	6.1	5.7	230	98.1	6.1	12.1
Health aides, except nursing . . . . .	316	86.8	16.5	4.8	337	78.9	24.4	9.3
Nursing aides, orderlies, and attendants . . . . .	1,269	88.7	27.3	4.7	1,913	89.0	34.0	9.8
Cleaning and building service occupations <sup>2</sup>	2,736	38.8	24.4	9.2	3,112	44.5	22.8	20.5
Maids and housemen . . . . .	531	81.2	32.3	10.1	653	82.8	26.7	25.0
Janitors and cleaners . . . . .	2,031	28.6	22.6	8.9	2,233	34.8	21.7	19.6
Personal service occupations <sup>2</sup>	1,870	79.2	11.1	6.0	2,909	81.5	13.5	9.8
Barbers . . . . .	92	12.9	8.4	12.1	66	18.5	39.4	11.8
Hairdressers and cosmetologists . . . . .	622	88.7	7.0	5.7	763	90.8	11.3	8.2
Attendants, amusement and recreation facilities . . . . .	131	40.2	7.1	4.3	215	43.2	9.3	5.6
Public transportation attendants . . . . .	63	74.3	11.3	5.9	124	86.3	12.9	4.1
Welfare service aides . . . . .	77	92.5	24.2	10.5	92	86.8	25.1	15.9
Family child care providers . . . . .	(NA)	(NA)	(NA)	(NA)	486	97.1	11.2	10.7
Early childhood teachers' assistants . . . . .	(NA)	(NA)	(NA)	(NA)	453	95.9	16.0	11.8
<b>Precision production, craft, and repair . . . . .</b>	<b>12,328</b>	<b>8.1</b>	<b>6.8</b>	<b>6.2</b>	<b>14,411</b>	<b>8.3</b>	<b>8.0</b>	<b>12.4</b>
Mechanics and repairers . . . . .	4,158	3.0	6.8	5.3	4,786	4.0	7.9	10.4
Mechanics and repairers, except supervisors <sup>2</sup>	3,906	2.8	7.0	5.5	4,527	4.0	8.0	10.5
Vehicle and mobile equipment mechanics/repairers <sup>2</sup>	1,683	0.8	6.9	6.0	1,845	1.0	7.6	12.6
Automobile mechanics . . . . .	800	0.5	7.8	6.0	877	0.8	8.3	13.7
Aircraft engine mechanics . . . . .	95	2.5	4.0	7.6	153	3.7	8.6	11.7
Electrical and electronic equipment repairers <sup>2</sup>	674	7.4	7.3	4.5	866	11.1	10.8	9.0
Data processing equipment repairers . . . . .	98	9.3	6.1	4.5	274	16.9	7.5	8.0
Telephone installers and repairers . . . . .	247	9.9	7.8	3.7	232	12.0	11.9	9.2
Construction trades . . . . .	4,289	1.8	6.6	6.0	5,594	2.0	7.1	14.0
Construction trades, except supervisors . . . . .	3,784	1.9	7.1	6.1	4,839	2.0	7.5	14.9
Carpenters . . . . .	1,160	1.4	5.0	5.0	1,346	1.2	5.3	13.7
Extractive occupations . . . . .	196	2.3	3.3	6.0	125	1.4	7.0	11.8
Precision production occupations . . . . .	3,685	21.5	7.3	7.4	3,907	23.0	9.5	12.7
<b>Operators, fabricators, and laborers . . . . .</b>	<b>16,091</b>	<b>26.6</b>	<b>14.0</b>	<b>8.3</b>	<b>18,256</b>	<b>24.6</b>	<b>15.7</b>	<b>16.0</b>
Machine operators, assemblers, and inspectors <sup>2</sup>	7,744	42.1	14.0	9.4	7,791	37.3	15.4	17.2
Textile, apparel, and furnishings machine operators <sup>2</sup>	1,414	82.1	18.7	12.5	954	72.1	19.4	25.1
Textile sewing machine operators . . . . .	806	94.0	15.5	14.5	511	82.1	16.4	30.2
Pressing machine operators . . . . .	141	66.4	27.1	14.2	91	81.0	27.8	35.2
Fabricators, assemblers, and hand working occupations . . . . .	1,715	33.7	11.3	8.7	2,090	33.1	14.3	14.5
Production inspectors, testers, samplers, and weighers . . . . .	794	53.8	13.0	7.7	770	48.0	14.8	16.3
Transportation and material moving occupations . . . . .	4,201	7.8	13.0	5.9	5,363	10.2	16.3	11.9
Motor vehicle operators . . . . .	2,978	9.2	13.5	6.0	4,069	11.5	16.2	12.0
Trucks drivers . . . . .	2,195	3.1	12.3	5.7	3,012	5.3	14.9	12.0
Transportation occupations, except motor vehicles . . . . .	212	2.4	6.7	3.0	167	4.1	17.3	3.8
Material moving equipment operators . . . . .	1,011	4.8	12.9	6.3	1,127	6.2	16.2	12.8
Industrial truck and tractor operators . . . . .	369	5.6	19.6	8.2	534	8.9	22.7	18.3
Handlers, equipment cleaners, helpers, and laborers <sup>2</sup>	4,147	16.8	15.1	8.6	5,102	20.3	15.6	18.4
Freight, stock, and material handlers . . . . .	1,488	15.4	15.3	7.1	1,988	23.7	17.4	14.3
Laborers, except construction . . . . .	1,024	19.4	16.0	8.6	1,298	21.8	16.6	16.6
Farm operators and managers . . . . .	1,450	12.1	1.3	0.7	1,187	23.1	1.3	2.4
Other agricultural and related occupations . . . . .	2,072	19.9	11.7	14.0	2,171	17.7	6.8	34.8
Farm workers . . . . .	1,149	24.8	11.6	15.9	835	17.2	4.2	44.9
Forestry and logging occupations . . . . .	126	1.4	12.8	2.1	91	6.7	8.1	6.9

- Represents or rounds to zero. NA Not available. <sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Includes other occupations, not shown separately. <sup>3</sup> Level of total employment below 50,000. <sup>4</sup> Includes clerks.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; and unpublished data.

## No. 676. Employment Projections, by Occupation: 1996 and 2006

[In thousands (3,146 represents 3,146,000), except percent. Estimates based on the Current Employment Statistics estimates and the Occupational Employment Statistics estimates. See source for methodological assumptions]

Occupation	Employment		Change		Education and training category
	1996	2006	Number	Percent	
<b>LARGEST JOB GROWTH</b>					
Cashiers . . . . .	3,146	3,677	530	17	Short-term on-the-job training
Systems analysts . . . . .	506	1,025	520	103	Bachelor's degree Work experience plus bachelor's or higher degree
General managers and top executives . . . . .	3,210	3,677	467	15	Associate's degree
Registered nurses . . . . .	1,971	2,382	411	21	Short-term on-the-job training
Salespersons, retail . . . . .	4,072	4,481	408	10	Short-term on-the-job training
Truck drivers light and heavy . . . . .	2,719	3,123	404	15	Short-term on-the-job training
Home health aides . . . . .	495	873	378	76	Short-term on-the-job training
Teacher aides and educational assistants . . . . .	981	1,352	370	38	Short-term on-the-job training
Nursing aides, orderlies, and attendants . . . . .	1,312	1,645	333	25	Short-term on-the-job training
Receptionists and information clerks . . . . .	1,074	1,392	318	30	Short-term on-the-job training
Teachers, secondary school . . . . .	1,406	1,718	312	22	Bachelor's degree
Child care workers . . . . .	830	1,129	299	36	Short-term on-the-job training
Clerical supervisors and managers . . . . .	1,369	1,630	262	19	Work experience in a related occupation
Database administrators, computer support specialists <sup>1</sup> . . . . .	212	461	249	118	Bachelor's degree
Marketing and sales worker supervisors . . . . .	2,316	2,562	246	11	Work experience in a related occupation
Maintenance repairers, general utility . . . . .	1,362	1,608	246	18	Long-term on-the-job training
Food counter, fountain, and related workers . . . . .	1,720	1,963	243	14	Short-term on-the-job training
Teachers, special education . . . . .	407	648	241	59	Bachelor's degree
Computer engineers . . . . .	216	451	235	109	Bachelor's degree
Food preparation workers . . . . .	1,253	1,487	234	19	Short-term on-the-job training
Hand packers and packagers . . . . .	986	1,208	222	23	Short-term on-the-job training
Guards . . . . .	955	1,175	221	23	Short-term on-the-job training
General office clerks . . . . .	3,111	3,326	215	7	Short-term on-the-job training
Waiters and waitresses . . . . .	1,957	2,163	206	11	Short-term on-the-job training
Social workers . . . . .	585	772	188	32	Bachelor's degree
Adjustment clerks . . . . .	401	584	183	46	Short-term on-the-job training
Cooks, short order and fast food . . . . .	804	978	174	22	Short-term on-the-job training
Personal and home care aides . . . . .	202	374	171	85	Short-term on-the-job training
Food service and lodging managers . . . . .	589	757	168	28	Work experience in a related occupation
Medical assistants . . . . .	225	391	166	74	Moderate-term on-the-job training
<b>FASTEST GROWING</b>					
Database administrators, computer support specialists <sup>1</sup> . . . . .	212	461	249	118	Bachelor's degree
Computer engineers . . . . .	216	451	235	109	Bachelor's degree
Systems analysts . . . . .	506	1,025	520	103	Bachelor's degree
Personal and home care aides . . . . .	202	374	171	85	Short-term on-the-job training
Physical and corrective therapy assistants and aides . . . . .	84	151	66	79	Moderate-term on-the-job training
Home health aides . . . . .	495	873	378	76	Short-term on-the-job training
Medical assistants . . . . .	225	391	166	74	Moderate-term on-the-job training
Desktop publishing specialists . . . . .	30	53	22	74	Long-term on-the-job training
Physical therapists . . . . .	115	196	81	71	Bachelor's degree
Occupational therapy assistants and aides . . . . .	16	26	11	69	Moderate-term on-the-job training
Paralegals . . . . .	113	189	76	68	Associate's degree
Occupational therapists . . . . .	57	95	38	66	Bachelor's degree
Teachers, special education . . . . .	407	648	241	59	Bachelor's degree
Human services workers . . . . .	178	276	98	55	Moderate-term on-the-job training
Data processing equipment repairers . . . . .	80	121	42	52	Postsecondary vocational training
Medical records technicians . . . . .	87	132	44	51	Associate's degree
Speech-language pathologists and audiologists . . . . .	87	131	44	51	Master's degree
Dental hygienists . . . . .	133	197	64	48	Associate's degree
Amusement and recreation attendants . . . . .	288	426	138	48	Short-term on-the-job training
Physician assistants . . . . .	64	93	30	47	Bachelor's degree
Respiratory therapists . . . . .	82	119	37	46	Associate's degree
Adjustment clerks . . . . .	401	584	183	46	Short-term on-the-job training
Engineering, science, and computer systems managers . . . . .	343	498	155	45	Work experience plus bachelor's or higher degree
Emergency medical technicians . . . . .	150	217	67	45	Postsecondary vocational training
Manicurists . . . . .	43	62	19	45	Postsecondary vocational training
Bill and account collectors . . . . .	269	381	112	42	Short-term on-the-job training
Residential counselors . . . . .	180	254	74	41	Bachelor's degree
Instructors and coaches, sports and physical training . . . . .	303	427	123	41	Moderate-term on-the-job training
Dental assistants . . . . .	202	278	77	38	Moderate-term on-the-job training
Securities and financial services sales workers . . . . .	263	363	100	38	Bachelor's degree

<sup>1</sup> All other computer specialists.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1997.

## No. 677. Occupations of the Employed, by Selected Characteristics: 1998

[In thousands (58,326 represents 58,326,000). Annual averages of monthly figures. For civilian noninstitutional population 25 to 64 years old. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Sex, race, and educational attainment	Total employed	Managerial/professional	Tech./sales/administrative	Service <sup>1</sup>	Precision production <sup>2</sup>	Operators/fabricators <sup>3</sup>	Farming, forestry, fishing
<b>Male, total<sup>4</sup></b>	<b>58,326</b>	<b>18,176</b>	<b>10,984</b>	<b>4,980</b>	<b>11,510</b>	<b>10,658</b>	<b>2,018</b>
Less than a high school diploma	6,776	369	477	889	1,872	2,509	659
High school graduates, no college	18,581	2,212	3,041	1,895	5,358	5,326	748
Less than a bachelor's degree	15,007	3,595	3,753	1,558	3,438	2,273	390
College graduates	17,961	11,999	3,712	636	842	549	221
White	49,886	16,130	9,400	3,726	10,224	8,572	1,834
Less than a high school diploma	5,734	328	409	678	1,662	2,071	586
High school graduates, no college	15,757	2,000	2,595	1,352	4,830	4,311	670
Less than a bachelor's degree	12,756	3,226	3,169	1,188	3,030	1,773	370
College graduates	15,639	10,576	3,226	508	701	418	209
Black	5,702	1,078	991	920	908	1,681	123
Less than a high school diploma	752	24	40	138	147	348	55
High school graduates, no college	2,206	144	320	423	409	857	54
Less than a bachelor's degree	1,655	268	406	283	285	401	12
College graduates	1,088	642	225	76	68	74	3
<b>Female, total<sup>4</sup></b>	<b>49,805</b>	<b>17,424</b>	<b>19,364</b>	<b>7,694</b>	<b>1,071</b>	<b>3,738</b>	<b>513</b>
Less than a high school diploma	4,129	247	855	1,665	185	1,053	124
High school graduates, no college	16,177	2,399	7,678	3,494	504	1,900	203
Less than a bachelor's degree	14,704	4,283	7,378	2,019	277	633	115
College graduates	14,795	10,496	3,454	517	105	153	71
White	41,096	14,999	16,236	5,744	837	2,802	479
Less than a high school diploma	3,132	199	694	1,183	144	800	112
High school graduates, no college	13,383	2,125	6,644	2,602	397	1,424	191
Less than a bachelor's degree	12,072	3,683	6,051	1,552	219	460	109
College graduates	12,509	8,991	2,847	408	76	119	67
Black	6,360	1,637	2,310	1,568	142	686	16
Less than a high school diploma	724	32	118	389	25	151	8
High school graduates, no college	2,219	213	807	746	67	382	6
Less than a bachelor's degree	2,093	481	1,056	377	38	139	2
College graduates	1,324	912	329	57	11	14	1

<sup>1</sup> Includes private household workers. <sup>2</sup> Includes craft and repair. <sup>3</sup> Includes laborers. <sup>4</sup> Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, unpublished data.

## No. 678. Employment, by Industry: 1970 to 1998

[In thousands (78,678 represents 78,678,000), except percent. See headnote, Table 652. Data for 1990, and also beginning 1995, not strictly comparable with other years due to changes in industrial classification]

Industry	1998 <sup>1</sup>							
					Total	Percent		
	1970	1980	1990 <sup>1</sup>	1995 <sup>1</sup>		Female	Black	Hispanic <sup>2</sup>
<b>Total employed</b>	<b>78,678</b>	<b>99,303</b>	<b>118,793</b>	<b>124,900</b>	<b>131,463</b>	<b>46.2</b>	<b>11.1</b>	<b>10.1</b>
Agriculture	3,463	3,364	3,223	3,440	3,378	24.4	4.1	22.0
Mining	516	979	724	627	620	13.7	4.6	9.0
Construction	4,818	6,215	7,764	7,668	8,518	9.4	6.4	12.7
Manufacturing	20,746	21,942	21,346	20,493	20,733	31.8	10.5	11.2
Transportation, communication, and other public utilities	5,320	6,525	8,168	8,709	9,307	29.1	15.1	9.5
Wholesale and retail trade	15,008	20,191	24,622	26,071	27,203	47.2	9.6	11.4
Wholesale trade	2,672	3,920	4,669	4,986	5,090	30.0	7.4	10.8
Retail trade	12,336	16,270	19,953	21,086	22,113	51.1	10.1	11.6
Finance, insurance, real estate	3,945	5,993	8,051	7,983	8,605	58.7	10.5	7.1
Services	20,385	28,752	39,267	43,953	47,212	62.1	12.2	8.7
Business and repair services <sup>3</sup>	1,403	3,848	7,485	7,526	8,708	36.6	11.6	10.8
Advertising	147	191	277	267	308	51.2	6.1	6.8
Services to dwellings and buildings	(NA)	370	827	829	791	48.8	16.5	21.2
Personnel supply services	(NA)	235	710	853	1,027	60.2	20.8	12.1
Computer and data processing	(NA)	221	805	1,136	1,780	29.7	6.8	4.1
Detective/protective services	(NA)	213	378	506	573	21.0	26.0	11.1
Automobile services	600	952	1,457	1,459	1,536	13.5	9.8	14.9
Personal services <sup>3</sup>	4,276	3,839	4,733	4,375	4,451	70.3	13.5	17.3
Private households	1,782	1,257	1,036	971	967	90.7	15.1	29.3
Hotels and lodging places	979	1,149	1,818	1,495	1,371	57.7	15.4	18.4
Entertainment and recreation	717	1,047	1,526	2,238	2,530	45.0	9.0	8.4
Professional and related services <sup>3</sup>	12,904	19,853	25,351	29,661	31,392	69.5	12.5	6.9
Hospitals	2,843	4,036	4,700	4,961	5,116	76.3	16.0	6.6
Health services, except hospitals	1,628	3,345	4,673	5,967	6,388	79.0	14.7	7.9
Elementary, secondary schools	6,126	5,550	5,994	6,653	7,131	75.3	12.4	7.4
Colleges and universities	( <sup>4</sup> )	2,108	2,637	2,768	2,792	52.5	10.1	5.8
Social services	828	1,590	2,239	2,979	3,240	81.8	17.5	8.8
Legal services	429	776	1,215	1,335	1,356	56.0	6.0	6.2
Public administration <sup>5</sup>	4,476	5,342	5,627	5,957	5,887	43.6	16.5	6.6

NA Not available. <sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Persons of Hispanic origin may be of any race. <sup>3</sup> Includes industries not shown separately. <sup>4</sup> Included with elementary/secondary schools. <sup>5</sup> Includes workers involved in uniquely governmental activities, e.g., judicial and legislative.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; and unpublished data.

## No. 679. Employment by Selected Industry, With Projections: 1986 to 2006

[(111,374 represents 111,374,000). Figures may differ from those in other tables since these data exclude establishments not elsewhere classified (SIC 99); in addition, agriculture services (SIC 074, 5, 8) are included in agriculture, not services. See source for details. Minus sign (-) indicates decrease]

Industry	1987 SIC <sup>1</sup> code	Employment (1,000)			Annual growth rate	
		1986	1996	2006, proj.	1986- 1996	1996- 2006, proj.
<b>Total</b> .....	<b>(X)</b>	<b>111,374</b>	<b>132,352</b>	<b>150,927</b>	<b>1.7</b>	<b>1.3</b>
Nonfarm wage and salary .....	(X)	98,727	118,732	136,318	1.9	1.4
Goods-producing (excluding agriculture) .....	(X)	24,538	24,431	24,451	-0.0	0.0
Mining .....	10-14	778	574	443	-3.0	-2.5
Construction .....	15,16,17	4,810	5,400	5,900	1.2	0.9
Manufacturing .....	20-39	18,951	18,457	18,108	-0.3	-0.2
Durable manufacturing .....	24,25,32	11,200	10,766	10,514	-0.4	-0.2
Lumber and wood products .....	24	724	780	797	0.7	0.2
Furniture and fixtures .....	25	498	504	509	0.1	0.1
Stone, clay and glass products .....	32	558	541	497	-0.3	-0.8
Primary metal industries .....	33	752	711	633	-0.6	-1.2
Blast furnaces/basic steel products .....	331	273	240	197	-1.3	-2.0
Fabricated metal products .....	34	1,422	1,448	1,376	0.2	-0.5
Industrial machinery and equipment .....	35	2,074	2,112	2,087	0.2	-0.1
Computer equipment .....	357	469	363	314	-2.5	-1.4
Electronic and other electric equipment <sup>2</sup> .....	36	1,774	1,651	1,627	-0.7	-0.1
Communications equipment .....	366	296	269	255	-0.9	-0.5
Electronic components .....	367	610	610	700	-0.0	1.4
Transportation equipment .....	37	2,003	1,781	1,792	-1.2	0.1
Motor vehicles and equipment .....	371	872	963	929	1.0	-0.4
Instruments and related products <sup>2</sup> .....	38	1,036	854	787	-1.9	-0.8
Measuring/controlling devices .....	382	312	297	265	-0.5	-1.1
Medical instruments and supplies .....	384	213	268	310	2.3	1.5
Miscellaneous manufacturing industries .....	39	361	387	408	0.7	0.5
Nondurable manufacturing .....	20-23,26	7,751	7,691	7,593	-0.1	-0.1
Food and kindred products .....	20	1,605	1,624	1,713	0.5	0.1
Tobacco manufactures .....	21	59	41	30	-3.4	-3.1
Textile mill products .....	22	703	623	588	-1.2	-0.6
Apparel and other textile products .....	23	1,100	864	714	-2.4	-1.9
Paper and allied products .....	26	667	681	702	0.2	0.3
Printing and publishing .....	27	1,456	1,538	1,501	0.5	-0.2
Chemicals and allied products .....	28	1,021	1,032	1,070	0.1	0.4
Petroleum and coal products .....	29	169	142	118	-1.7	-1.8
Rubber/misc. plastics products .....	30	822	981	1,091	1.8	1.1
Leather and leather products .....	31	149	96	65	-4.3	-3.8
Service producing .....	(X)	74,189	94,300	111,867	2.4	1.7
Transportation, communications, utilities .....	40-42,44	5,247	6,260	7,111	1.8	1.3
Transportation .....	40-42,44	3,051	4,038	4,774	2.8	1.7
Communications .....	48	1,275	1,337	1,360	0.5	0.2
Electric, gas, and sanitary services .....	49	921	885	976	-0.4	1.0
Wholesale trade .....	50,51	5,751	6,483	7,228	1.2	1.1
Retail trade .....	52-59	17,878	21,625	23,875	1.9	1.0
Eating and drinking places .....	58	5,902	7,499	8,884	2.4	1.7
Finance, insurance, and real estate .....	60-67	6,275	6,899	7,651	1.0	1.0
Services .....	70-87,89	22,346	33,586	44,852	4.2	2.9
Hotels and other lodging places .....	70	1,378	1,716	1,978	2.2	1.4
Personal services .....	72	1,008	1,184	1,294	1.6	0.9
Business services <sup>2</sup> .....	73	3,931	7,254	10,835	6.3	4.1
Advertising .....	731	204	242	270	1.7	1.1
Services to buildings .....	734	685	897	1,097	2.7	2.0
Personnel supply services .....	736	990	2,646	4,039	10.3	4.3
Computer and data processing services .....	737	588	1,208	2,509	7.5	7.6
Auto repair, services, and garages .....	75	762	1,084	1,482	3.6	3.2
Miscellaneous repair shops .....	76	322	375	425	1.5	1.3
Motion pictures .....	78	320	522	628	5.0	1.9
Video tape rental .....	784	94	155	173	5.1	1.1
Amusement and recreation services .....	79	895	1,466	1,998	5.1	3.1
Health services .....	80	6,528	9,469	12,620	3.8	2.9
Offices of health practitioners .....	801,2,3,4	1,752	2,751	4,046	4.6	3.9
Nursing and personal care facilities .....	805	1,245	1,732	2,377	3.4	3.2
Hospitals, private .....	806	3,037	3,814	4,229	2.3	1.0
Health services, n.e.c. <sup>3</sup> .....	807,8,9	494	1,172	1,968	9.0	5.3
Legal services .....	81	747	930	1,187	2.2	2.5
Educational services .....	82	1,421	2,020	2,478	3.6	2.1
Social services .....	83	1,406	2,403	3,461	5.5	3.7
Museums, botanical, zoological gardens .....	84	52	85	109	5.0	2.5
Membership organizations .....	86	1,536	2,185	2,428	3.6	1.1
Engineering, management, and services .....	87,89	2,042	2,893	3,930	3.5	3.1
Government .....	(X)	16,693	19,447	21,150	1.5	0.8
Federal government .....	(X)	2,899	2,757	2,670	-0.5	-0.3
State and local government .....	(X)	13,794	16,690	18,480	1.9	1.0
Agriculture .....	01,02,07	3,327	3,642	3,618	0.9	-0.1
Private households .....	88	1,235	928	775	-2.8	-1.8
Nonagricultural self-employed and unpaid family .....	(X)	8,085	9,051	10,216	1.1	1.2

X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification; see text, Section 17, Business. <sup>2</sup> Includes other industries, not shown separately. <sup>3</sup> N.e.c. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1997.



## No. 680. Unemployed Workers—Summary: 1980 to 1998

[In thousands (7,637 represents 7,637,000), except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. For data on unemployment insurance, see Table 626]

Age, sex, race, Hispanic origin	1980	1985	1990 <sup>1</sup>	1994 <sup>1</sup>	1995	1996	1997 <sup>1</sup>	1998 <sup>1</sup>
UNEMPLOYED								
<b>Total<sup>2</sup></b> . . . . .	<b>7,637</b>	<b>8,312</b>	<b>7,047</b>	<b>7,996</b>	<b>7,404</b>	<b>7,236</b>	<b>6,739</b>	<b>6,210</b>
16 to 19 years old . . . . .	1,669	1,468	1,212	1,320	1,346	1,306	1,271	1,205
20 to 24 years old . . . . .	1,835	1,738	1,299	1,373	1,244	1,239	1,152	1,081
25 to 44 years old . . . . .	2,964	3,681	3,323	3,694	3,390	3,262	2,989	2,677
45 to 64 years old . . . . .	1,075	1,331	1,109	1,456	1,269	1,289	1,199	1,125
65 years and over . . . . .	94	93	105	153	153	139	127	122
Male . . . . .	4,267	4,521	3,906	4,367	3,983	3,880	3,577	3,266
16 to 19 years old . . . . .	913	806	667	740	744	733	694	686
20 to 24 years old . . . . .	1,076	944	715	768	673	675	636	583
25 to 44 years old . . . . .	1,619	1,950	1,803	1,968	1,776	1,689	1,504	1,308
45 to 64 years old . . . . .	600	766	662	803	697	707	674	621
65 years and over . . . . .	58	55	59	88	94	76	69	69
Female . . . . .	3,370	3,791	3,140	3,629	3,421	3,356	3,162	2,944
16 to 19 years old . . . . .	755	661	544	580	602	573	577	519
20 to 24 years old . . . . .	760	794	584	605	571	564	516	498
25 to 44 years old . . . . .	1,345	1,732	1,519	1,726	1,615	1,574	1,486	1,370
45 to 64 years old . . . . .	473	566	447	653	574	582	525	503
65 years and over . . . . .	36	39	46	66	60	63	58	53
White <sup>3</sup> . . . . .	5,884	6,191	5,186	5,892	5,459	5,300	4,836	4,484
16 to 19 years old . . . . .	1,291	1,074	903	960	952	939	912	876
20 to 24 years old . . . . .	1,364	1,235	899	952	866	854	765	731
Black <sup>3</sup> . . . . .	1,553	1,864	1,565	1,666	1,538	1,592	1,560	1,426
16 to 19 years old . . . . .	343	357	268	300	325	310	302	281
20 to 24 years old . . . . .	426	455	349	351	311	327	327	301
Hispanic <sup>3,4</sup> . . . . .	620	811	876	1,187	1,140	1,132	1,069	1,026
16 to 19 years old . . . . .	145	141	161	198	205	199	197	214
20 to 24 years old . . . . .	138	171	167	220	209	217	206	194
Full-time workers . . . . .	6,269	6,793	5,677	6,513	5,909	5,803	5,395	4,916
Part-time workers . . . . .	1,369	1,519	1,369	1,483	1,495	1,433	1,344	1,293
UNEMPLOYMENT RATE (percent) <sup>5</sup>								
<b>Total<sup>2</sup></b> . . . . .	<b>7.1</b>	<b>7.2</b>	<b>5.6</b>	<b>6.1</b>	<b>5.6</b>	<b>5.4</b>	<b>4.9</b>	<b>4.5</b>
16 to 19 years old . . . . .	17.8	18.6	15.5	17.6	17.3	16.7	16.0	14.6
20 to 24 years old . . . . .	11.5	11.1	8.8	9.7	9.1	9.3	8.5	7.9
25 to 44 years old . . . . .	6.0	6.2	4.9	5.3	4.8	4.6	4.2	3.8
45 to 64 years old . . . . .	3.7	4.5	3.5	4.0	3.4	3.3	3.0	2.7
65 years and over . . . . .	3.1	3.2	3.0	4.0	4.0	3.6	3.3	3.2
Male . . . . .	6.9	7.0	5.7	6.2	5.6	5.4	4.9	4.4
16 to 19 years old . . . . .	18.3	19.5	16.3	19.0	18.4	18.1	16.9	16.2
20 to 24 years old . . . . .	12.5	11.4	9.1	10.2	9.2	9.5	8.9	8.1
25 to 44 years old . . . . .	5.6	5.9	4.8	5.2	4.7	4.4	3.9	3.4
45 to 64 years old . . . . .	3.5	4.5	3.7	4.1	3.5	3.4	3.1	2.8
65 years and over . . . . .	3.1	3.1	3.0	4.0	4.3	3.4	3.0	3.1
Female . . . . .	7.4	7.4	5.5	6.0	5.6	5.4	5.0	4.6
16 to 19 years old . . . . .	17.2	17.6	14.7	16.2	16.1	15.2	15.0	12.9
20 to 24 years old . . . . .	10.4	10.7	8.5	9.2	9.0	9.0	8.1	7.8
25 to 44 years old . . . . .	6.4	6.6	4.9	5.4	5.0	4.9	4.6	4.2
45 to 64 years old . . . . .	4.0	4.6	3.2	3.9	3.3	3.3	2.8	2.6
65 years and over . . . . .	3.1	3.3	3.1	4.0	3.7	4.0	3.6	3.3
White <sup>3</sup> . . . . .	6.3	6.2	4.8	5.3	4.9	4.7	4.2	3.9
16 to 19 years old . . . . .	15.5	15.7	13.5	15.1	14.5	14.2	13.6	12.6
20 to 24 years old . . . . .	9.9	9.2	7.3	8.1	7.7	7.8	6.9	6.5
Black <sup>3</sup> . . . . .	14.3	15.1	11.4	11.5	10.4	10.5	10.0	8.9
16 to 19 years old . . . . .	38.5	40.2	30.9	35.2	35.7	33.6	32.4	27.6
20 to 24 years old . . . . .	23.6	24.5	19.9	19.5	17.7	18.8	18.3	16.8
Hispanic <sup>3,4</sup> . . . . .	10.1	10.5	8.2	9.9	9.3	8.9	7.7	7.2
16 to 19 years old . . . . .	22.5	24.3	19.5	24.5	24.1	23.6	21.6	21.3
20 to 24 years old . . . . .	12.1	12.6	9.1	11.8	11.5	11.8	10.3	9.4
Experienced workers <sup>6</sup> . . . . .	6.9	6.8	5.3	5.9	5.4	5.2	4.7	4.3
Women maintaining families . . . . .	9.2	10.4	8.3	8.9	8.0	8.2	8.1	7.2
Married men, wife present <sup>2</sup> . . . . .	4.2	4.3	3.4	3.7	3.3	3.0	2.7	2.4
White . . . . .	3.9	4.0	3.1	3.4	3.0	2.8	2.5	2.2
Black . . . . .	7.4	8.0	6.2	6.0	5.0	4.9	4.3	3.9
Percent without work for—								
Fewer than 5 weeks . . . . .	43.2	42.1	46.3	34.1	36.5	36.4	37.7	42.2
5 to 10 weeks . . . . .	23.4	22.2	23.5	20.6	22.0	21.8	21.9	22.1
11 to 14 weeks . . . . .	9.0	8.0	8.5	9.5	9.6	9.8	9.9	9.3
15 to 26 weeks . . . . .	13.8	12.3	11.7	15.5	14.6	14.6	14.8	12.3
27 weeks and over . . . . .	10.7	15.4	10.0	20.3	17.3	17.4	15.8	14.1
Unemployment duration, average (weeks) . . . . .	11.9	15.6	12.0	18.8	16.6	16.7	15.8	14.5

<sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> Includes other ages, not shown separately. <sup>4</sup> Persons of Hispanic origin may be of any race. <sup>5</sup> Unemployed as percent of civilian labor force in specified group. <sup>6</sup> Wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; and unpublished data.

## No. 681. Unemployed Persons, by Sex and Reason: 1970 to 1998

[In thousands (2,238 represents 2,238,000). For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Sex and reason	1970	1980	1985	1990 <sup>1</sup>	1991	1992	1993	1994 <sup>1</sup>	1995	1996	1997 <sup>1</sup>	1998 <sup>1</sup>
<b>Male, total . . . . .</b>	<b>2,238</b>	<b>4,267</b>	<b>4,521</b>	<b>3,906</b>	<b>4,946</b>	<b>5,523</b>	<b>5,055</b>	<b>4,367</b>	<b>3,983</b>	<b>3,880</b>	<b>3,577</b>	<b>3,266</b>
Job losers <sup>2</sup> . . . . .	1,199	2,649	2,749	2,257	3,172	3,593	3,150	2,416	2,190	2,158	1,902	1,703
Job leavers . . . . .	282	438	409	528	507	495	507	408	407	372	414	368
Reentrants . . . . .	533	776	876	806	891	978	939	1,265	1,113	1,076	1,004	931
New entrants . . . . .	224	405	487	315	375	457	459	278	273	273	257	264
<b>Female, total . . . . .</b>	<b>1,855</b>	<b>3,370</b>	<b>3,791</b>	<b>3,140</b>	<b>3,683</b>	<b>4,090</b>	<b>3,885</b>	<b>3,629</b>	<b>3,421</b>	<b>3,356</b>	<b>3,162</b>	<b>2,944</b>
Job losers <sup>2</sup> . . . . .	614	1,297	1,390	1,130	1,522	1,796	1,699	1,399	1,286	1,212	1,135	1,119
Job leavers . . . . .	267	453	468	513	497	507	469	383	417	402	381	366
Reentrants . . . . .	696	1,152	1,380	1,124	1,247	1,307	1,259	1,521	1,412	1,435	1,334	1,201
New entrants . . . . .	279	468	552	373	416	480	459	326	306	307	312	257

<sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Beginning 1994, persons who completed temporary jobs are identified separately and are included as job losers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues; and Bulletin 2307; and unpublished data.

## No. 682. Unemployment Rates, by Industry, 1975 to 1998, and by Sex, 1980 and 1998

[In percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Rate represents unemployment as a percent of labor force in each specified group. Data for 1985-90 not strictly comparable with other years due to changes in industrial classification]

Industry	1975	1980	1985	1990 <sup>1</sup>	1995 <sup>1</sup>	1998 <sup>1</sup>	Male		Female	
							1980	1998 <sup>1</sup>	1980	1998 <sup>1</sup>
<b>All unemployed<sup>2</sup> . . . . .</b>	<b>8.5</b>	<b>7.1</b>	<b>7.2</b>	<b>5.6</b>	<b>5.6</b>	<b>4.5</b>	<b>6.9</b>	<b>4.4</b>	<b>7.4</b>	<b>4.6</b>
Industry: <sup>3</sup>										
Agriculture . . . . .	10.4	11.0	13.2	9.8	11.1	8.3	9.7	7.9	15.1	9.3
Mining . . . . .	4.1	6.4	9.5	4.8	5.2	3.2	6.7	3.4	4.5	1.8
Construction . . . . .	18.0	14.1	13.1	11.1	11.5	7.5	14.6	7.7	8.9	5.9
Manufacturing . . . . .	10.9	8.5	7.7	5.8	4.9	3.9	7.4	3.3	10.8	5.2
Transportation and public utilities . . . . .	5.6	4.9	5.1	3.9	4.5	3.4	5.1	3.3	4.4	3.5
Wholesale and retail trade . . . . .	8.7	7.4	7.6	6.4	6.5	5.5	6.6	5.1	8.3	6.0
Finance, insurance, and real estate . . . . .	4.9	3.4	3.5	3.0	3.3	2.5	3.2	2.3	3.5	2.6
Services . . . . .	7.1	5.9	6.2	5.0	5.4	4.5	6.3	4.7	5.8	4.4
Government . . . . .	4.1	4.1	3.9	2.7	2.9	2.2	3.9	2.0	4.3	2.3

<sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately. <sup>3</sup> Covers unemployed wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues.

## No. 683. Unemployment by Occupation, 1990 to 1998, and by Sex, 1998

[For civilian noninstitutional population 16 years old and over (7,047 represents 7,047,000). Annual averages of monthly data. Rate represents unemployment as a percent of the labor force for each specified group. Based on Current Population Survey; see text, Section 1, Population, and Appendix III. See also headnote, Table 666]

Occupation	Number (1,000)			Unemployment rate				
	1990 <sup>1</sup>	1995 <sup>1</sup>	1998 <sup>1</sup>	1990 <sup>1</sup>	1995 <sup>1</sup>	1998 <sup>1</sup>		
						Total	Male	Female
<b>Total<sup>2</sup> . . . . .</b>	<b>7,047</b>	<b>7,404</b>	<b>6,210</b>	<b>5.6</b>	<b>5.6</b>	<b>4.5</b>	<b>4.4</b>	<b>4.6</b>
Managerial and professional specialty . . . . .	666	880	722	2.1	2.4	1.8	1.7	2.0
Executive, administrative, and managerial . . . . .	350	420	343	2.3	2.4	1.8	1.6	2.0
Professional specialty . . . . .	316	460	380	2.0	2.5	1.9	1.8	2.0
Technical sales, and administrative support . . . . .	1,641	1,744	1,550	4.3	4.5	3.9	3.3	4.2
Technicians and related support . . . . .	116	113	96	2.9	2.8	2.2	2.3	2.1
Sales occupations . . . . .	720	795	745	4.8	5.0	4.5	3.3	5.6
Administrative support, including clerical . . . . .	804	836	710	4.1	4.3	3.7	4.0	3.6
Service occupations . . . . .	1,139	1,378	1,216	6.6	7.5	6.4	6.3	6.4
Private household . . . . .	47	99	74	5.6	10.7	8.0	8.7	8.0
Protective service . . . . .	74	86	85	3.6	3.7	3.4	3.1	5.0
Service except private household and protective . . . . .	1,018	1,193	1,057	7.1	7.9	6.8	7.5	6.3
Precision production, craft, and repair . . . . .	861	860	630	5.9	6.0	4.2	4.1	4.8
Mechanics and repairers . . . . .	175	182	149	3.8	4.0	3.0	3.1	2.3
Construction trades . . . . .	483	501	338	8.5	9.0	5.7	5.6	10.4
Other precision production, craft, and repair . . . . .	202	177	143	4.7	4.2	3.4	3.1	4.6
Operators, fabricators, and laborers . . . . .	1,714	1,618	1,304	8.7	8.2	6.7	6.3	7.7
Machine operators, assemblers, inspectors . . . . .	727	629	494	8.1	7.4	6.0	5.0	7.6
Transportation and material moving occupations . . . . .	329	329	279	6.3	6.0	4.9	4.8	6.3
Handlers, equipment cleaners, helpers, laborers . . . . .	657	660	531	11.6	11.7	9.4	9.6	8.8
Construction laborers . . . . .	177	179	136	18.1	18.7	14.2	14.2	16.0
Farming, forestry, and fishing . . . . .	237	311	244	6.4	7.9	6.5	6.1	8.0

<sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Includes persons with no previous work experience and those whose last job was in the Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January issues.

## No. 684. Unemployed and Unemployment Rates, by Educational Attainment, Sex, Race, and Hispanic Origin: 1992 to 1998

[As of March (6,846 represents 6,846,000). For the civilian noninstitutional population 25 to 64 years old. See Table 653 for civilian labor force and participation rate data. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Year, sex, and race	Unemployed (1,000)					Unemployment rate <sup>1</sup>				
	Total	Less than high school diploma	High school graduates, no degree	Less than a bachelor's degree	College graduate	Total	Less than high school diploma	High school graduate, no degree	Less than a bachelor's degree	College graduate
Total: <sup>2</sup>										
1992 . . . . .	6,846	1,693	2,851	1,521	782	6.7	13.5	7.7	5.9	2.9
1995 <sup>3</sup> . . . . .	5,065	1,150	1,833	1,329	753	4.8	10.0	5.2	4.5	2.5
1997 <sup>3</sup> . . . . .	4,902	1,253	1,853	1,157	640	4.4	10.4	5.1	3.8	2.0
1998 <sup>3</sup> . . . . .	4,463	1,018	1,751	1,111	582	4.0	8.5	4.8	3.6	1.8
Male:										
1992 . . . . .	4,207	1,151	1,709	854	493	7.5	14.8	8.8	6.4	3.2
1995 <sup>3</sup> . . . . .	2,925	765	1,064	656	440	5.1	10.9	5.7	4.4	2.6
1997 <sup>3</sup> . . . . .	2,797	752	1,069	616	359	4.7	9.9	5.6	4.0	2.1
1998 <sup>3</sup> . . . . .	2,461	592	989	575	306	4.1	8.0	5.1	3.7	1.7
Female:										
1992 . . . . .	2,639	542	1,142	666	289	5.7	11.4	6.5	5.3	2.5
1995 <sup>3</sup> . . . . .	2,140	385	770	673	313	4.4	8.6	4.6	4.5	2.4
1997 <sup>3</sup> . . . . .	2,105	500	783	541	281	4.1	11.3	4.5	3.6	2.0
1998 <sup>3</sup> . . . . .	2,002	426	762	537	276	3.9	9.3	4.4	3.5	1.9
White:										
1992 . . . . .	5,247	1,285	2,146	1,176	641	6.0	12.9	6.8	5.3	2.7
1995 <sup>3</sup> . . . . .	3,858	831	1,362	1,054	612	4.3	9.2	4.6	4.2	2.3
1997 <sup>3</sup> . . . . .	3,674	910	1,395	867	502	3.9	9.4	4.6	3.4	1.8
1998 <sup>3</sup> . . . . .	3,282	711	1,283	814	474	3.5	7.5	4.2	3.2	1.7
Black:										
1992 . . . . .	1,353	361	619	291	81	12.4	17.2	14.1	10.7	4.8
1995 <sup>3</sup> . . . . .	905	225	377	218	86	7.7	13.7	8.4	6.3	4.1
1997 <sup>3</sup> . . . . .	997	291	381	235	89	8.1	16.6	8.2	6.1	4.4
1998 <sup>3</sup> . . . . .	948	248	402	248	50	7.3	13.4	8.4	6.4	2.1
Hispanic: <sup>4</sup>										
1992 . . . . .	757	408	224	88	36	9.8	13.6	9.6	5.9	4.2
1995 <sup>3</sup> . . . . .	746	393	211	102	40	8.0	10.9	8.1	5.2	3.7
1997 <sup>3</sup> . . . . .	768	379	221	128	39	7.3	9.6	7.5	5.5	3.0
1998 <sup>3</sup> . . . . .	647	337	176	94	41	5.9	8.3	5.5	4.2	2.8

<sup>1</sup> Percent unemployed of the civilian labor force. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> See footnote 2, Table 649. <sup>4</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, unpublished data.

## No. 685. Unemployed Persons, by Reason of Unemployment: 1998

[Annual averages of monthly data (6,210 represents 6,210,000). Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Age, sex, and reason	Total unemployed (1,000)	Percent distribution by duration				
		Less than 5 weeks	5 to 14 weeks	15 weeks and over		
				Total	15 to 26 weeks	27 weeks or longer
Total 16 years old and over . . . . .	6,210	42.2	31.4	26.4	12.3	14.1
16 to 19 years old . . . . .	1,205	51.2	33.2	15.7	8.3	7.3
<b>Total 20 years old and over . . . . .</b>	<b>5,005</b>	<b>40.1</b>	<b>31.0</b>	<b>28.9</b>	<b>13.2</b>	<b>15.7</b>
Males . . . . .	2,580	38.8	30.8	30.5	13.2	17.3
Job losers and persons who completed temporary . . . . .	1,588	39.9	32.1	28.1	13.6	14.5
On temporary layoff . . . . .	483	55.3	30.2	14.5	9.8	4.8
Not on temporary layoff . . . . .	1,105	33.1	32.9	34.0	15.3	18.7
Permanent job losers . . . . .	763	31.6	32.1	36.3	16.6	19.7
Persons who completed temporary jobs . . . . .	343	36.6	34.5	28.9	12.5	16.4
Job leavers . . . . .	318	44.7	31.5	23.8	10.9	12.9
Reentrants . . . . .	611	34.7	26.9	38.5	13.4	25.0
New entrants . . . . .	63	20.5	32.3	47.3	10.9	36.4
Females . . . . .	2,424	41.5	31.2	27.3	13.3	14.0
Job losers and persons who completed temporary . . . . .	1,053	42.5	32.2	25.3	14.2	11.1
On temporary layoff . . . . .	322	58.6	28.4	13.0	8.2	4.8
Not on temporary layoff . . . . .	731	35.3	33.9	30.8	16.9	13.9
Permanent job losers . . . . .	527	32.1	34.9	33.0	18.4	14.7
Persons who completed temporary jobs . . . . .	204	43.7	31.3	24.9	13.0	11.9
Job leavers . . . . .	330	49.6	30.9	19.5	10.2	9.3
Reentrants . . . . .	944	38.6	30.3	31.1	13.3	17.8
New entrants . . . . .	97	31.1	30.6	38.2	13.6	24.6

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January 1999 issue.

## No. 686. Total Unemployed and Insured Unemployed—States: 1980 to 1998

[For civilian noninstitutional population 16 years old and over (7,637 represents 7,637,000). Annual averages of monthly figures. Total unemployment estimates based on the Current Population Survey; see text, Section 1, Population, and Appendix III. U.S. totals derived by independent population controls; therefore state data may not add to U.S. totals]

State	Total unemployed								Insured unemployed <sup>3</sup>			
	Number (1,000)				Percent <sup>1</sup>				Number (1,000)		Percent <sup>4</sup>	
	1980	1985	1990 <sup>2</sup>	1998 <sup>2</sup>	1980	1985	1990 <sup>2</sup>	1998 <sup>2</sup>	1996	1997	1996	1997
<b>United States . . .</b>	<b>7,637</b>	<b>8,312</b>	<b>7,047</b>	<b>6,210</b>	<b>7.1</b>	<b>7.2</b>	<b>5.6</b>	<b>4.5</b>	<b>5,295.6</b>	<b>5,322.6</b>	<b>52.3</b>	<b>52.0</b>
Alabama . . . . .	147	160	130	91	8.8	8.9	6.9	4.2	33.7	30.1	2.0	1.7
Alaska . . . . .	18	24	19	18	9.7	9.7	7.0	5.8	13.1	12.1	5.5	5.0
Arizona . . . . .	83	96	99	94	6.7	6.5	5.5	4.1	25.4	21.0	1.4	1.1
Arkansas . . . . .	76	91	78	67	7.6	8.7	7.0	5.5	29.6	28.2	2.9	2.7
California . . . . .	790	934	874	969	6.8	7.2	5.8	5.9	443.1	386.5	3.6	3.0
Colorado . . . . .	88	101	89	86	5.9	5.9	5.0	3.8	22.5	18.9	1.3	1.0
Connecticut . . . . .	94	83	95	57	5.9	4.9	5.2	3.4	41.2	33.9	2.7	2.2
Delaware . . . . .	22	17	19	15	7.7	5.3	5.2	3.8	8.0	6.1	2.3	1.7
Dist. of Columbia . . . . .	24	27	22	24	7.3	8.4	6.6	8.8	8.0	8.2	1.9	2.0
Florida . . . . .	251	320	390	310	5.9	6.0	6.0	4.3	87.3	79.5	1.5	1.3
Georgia . . . . .	163	188	182	169	6.4	6.5	5.5	4.2	39.2	37.0	1.2	1.1
Hawaii . . . . .	21	27	16	37	4.9	5.6	2.9	6.2	15.1	13.4	3.0	2.7
Idaho . . . . .	34	37	29	33	7.9	7.9	5.9	5.0	14.1	12.7	3.0	2.6
Illinois . . . . .	459	513	369	277	8.3	9.0	6.2	4.5	129.7	115.4	2.4	2.1
Indiana . . . . .	252	215	149	96	9.6	7.9	5.3	3.1	34.1	31.4	1.3	1.2
Iowa . . . . .	82	112	62	43	5.8	8.0	4.3	2.8	21.3	19.0	1.6	1.4
Kansas . . . . .	53	62	57	54	4.5	5.0	4.5	3.8	15.9	14.1	1.4	1.2
Kentucky . . . . .	133	161	104	89	8.0	9.5	5.9	4.6	30.1	27.0	1.9	1.7
Louisiana . . . . .	121	229	117	118	6.7	11.5	6.3	5.7	26.7	23.7	1.6	1.4
Maine . . . . .	39	30	33	29	7.8	5.4	5.2	4.4	14.8	12.8	2.9	2.5
Maryland . . . . .	140	104	122	125	6.5	4.6	4.7	4.6	43.7	37.8	2.2	1.8
Massachusetts . . . . .	162	120	195	109	5.6	3.9	6.0	3.3	70.2	63.5	2.5	2.2
Michigan . . . . .	534	433	350	194	12.4	9.9	7.6	3.9	99.1	89.4	2.4	2.1
Minnesota . . . . .	125	133	117	68	5.9	6.0	4.9	2.5	36.1	34.0	1.6	1.4
Mississippi . . . . .	79	116	90	68	7.5	10.3	7.6	5.4	23.6	19.9	2.3	1.9
Missouri . . . . .	167	158	151	119	7.2	6.4	5.8	4.2	44.7	40.8	1.9	1.7
Montana . . . . .	23	31	24	26	6.1	7.7	6.0	5.6	9.8	8.7	3.0	2.6
Nebraska . . . . .	31	44	18	25	4.1	5.5	2.2	2.7	7.7	7.2	1.0	0.9
Nevada . . . . .	27	41	33	40	6.2	8.0	4.9	4.3	16.4	17.4	2.1	2.1
New Hampshire . . . . .	22	21	36	19	4.7	3.9	5.7	2.9	5.7	4.8	1.1	0.9
New Jersey . . . . .	260	217	206	192	7.2	5.7	5.1	4.6	110.6	96.1	3.2	2.8
New Mexico . . . . .	42	57	46	51	7.5	8.8	6.5	6.2	11.8	11.9	1.9	1.9
New York . . . . .	597	544	467	498	7.5	6.5	5.3	5.6	210.1	188.7	2.8	2.5
North Carolina . . . . .	187	168	144	131	6.6	5.4	4.2	3.5	54.0	47.8	1.6	1.4
North Dakota . . . . .	15	20	13	11	5.0	5.9	4.0	3.2	3.9	4.2	1.4	1.5
Ohio . . . . .	426	455	310	242	8.4	8.9	5.7	4.3	84.4	75.7	1.7	1.5
Oklahoma . . . . .	66	112	86	74	4.8	7.1	5.7	4.5	14.4	12.4	1.2	1.0
Oregon . . . . .	107	116	83	98	8.3	8.8	5.6	5.6	45.9	41.2	3.3	2.9
Pennsylvania . . . . .	425	443	315	275	7.8	8.0	5.4	4.6	167.5	146.5	3.4	2.9
Rhode Island . . . . .	34	25	35	24	7.2	4.9	6.8	4.9	18.4	15.8	4.4	3.7
South Carolina . . . . .	96	107	83	75	6.9	6.8	4.8	3.8	29.6	25.1	1.9	1.5
South Dakota . . . . .	16	18	13	11	4.9	5.1	3.9	2.9	2.6	2.4	0.8	0.7
Tennessee . . . . .	152	180	126	116	7.3	8.0	5.3	4.2	47.3	43.0	2.0	1.8
Texas . . . . .	352	565	544	487	5.2	7.0	6.3	4.8	121.7	114.8	1.6	1.4
Utah . . . . .	40	43	35	40	6.3	5.9	4.3	3.8	8.4	8.5	1.0	1.0
Vermont . . . . .	16	13	15	11	6.4	4.8	5.0	3.4	7.2	6.6	2.8	2.5
Virginia . . . . .	128	160	141	102	5.0	5.6	4.3	2.9	28.0	24.6	1.0	0.8
Washington . . . . .	156	170	125	145	7.9	8.1	4.9	4.8	84.6	72.8	3.7	3.1
West Virginia . . . . .	74	100	64	53	9.4	13.0	8.4	6.6	19.2	16.8	3.0	2.6
Wisconsin . . . . .	167	171	114	99	7.2	7.2	4.4	3.4	56.9	52.7	2.3	2.1
Wyoming . . . . .	9	18	13	12	4.0	7.1	5.5	4.8	4.2	3.4	2.0	1.7

<sup>1</sup> Total unemployment as percent of civilian labor force. <sup>2</sup> See footnote 2, Table 649. <sup>3</sup> Source: U.S. Employment and Training Administration, *Unemployment Insurance, Financial Handbook*, annual updates. <sup>4</sup> Insured unemployment as percent of average covered employment in the previous year. <sup>5</sup> Includes 55,000 in Puerto Rico and the Virgin Islands in 1996 and 56,900 in 1997.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, annual.

## No. 687. Job Openings and Placements and Help-Wanted Advertising: 1970 to 1997

[(6,130 represents 6,130,000). Openings 1970 and 1980, for years ending Sept. 30; beginning 1985, for years ending June 30]

Item	1970	1980	1985	1990	1993	1994	1995	1996	1997
Job openings: <sup>1</sup>									
Received (1,000) . . . . .	6,130	8,122	7,529	5,651	6,343	6,619	5,917	6,039	6,568
Average per month . . . . .	511	677	627	471	529	552	493	503	547
Nonagricultural placements <sup>1</sup> (1,000) . . . . .	4,604	5,610	3,270	3,714	3,375	3,360	2,859	2,687	2,456
Index of help-wanted advertising in newspapers <sup>2</sup> (1987=100) . . . . .	60	84	91	84	69	83	85	83	87

<sup>1</sup> As reported by state employment agencies. Beginning 1985, all placements. Placements include duplication for individuals placed more than once. <sup>2</sup> Source: The Conference Board, New York, NY (copyright). Index based on the number of advertisements in classified sections of 51 newspapers, each in a major employment area.

Source: Except as noted, U.S. Employment and Training Administration, unpublished data.

## No. 688. Nonfarm Establishments—Employees, Hours, and Earnings, by Industry: 1970 to 1998

[Based on data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, the self-employed, farm workers, unpaid family workers, private household workers, and Armed Forces. Establishment data shown here conform to industry definitions in the 1987 Standard Industrial Classification and are adjusted to March 1997 employment benchmarks, and reflect historical corrections to previously published data. Based on the Current Employment Statistics Program; see Appendix III]

Item and year	Goods-producing					Service-producing						
	Total	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government
<b>EMPLOYEES (1,000)</b>												
1970	70,880	23,578	623	3,588	19,367	47,302	4,515	4,006	11,034	3,645	11,548	12,554
1980	90,406	25,658	1,027	4,346	20,285	64,748	5,146	5,292	15,018	5,160	17,890	16,241
1985	97,387	24,842	927	4,668	19,248	72,544	5,233	5,727	17,315	5,948	21,927	16,394
1990	109,403	24,905	709	5,120	19,076	84,497	5,777	6,173	19,601	6,709	27,934	18,304
1992	108,601	23,231	635	4,492	18,104	85,370	5,718	5,997	19,356	6,602	29,052	18,645
1993	110,713	23,352	610	4,668	18,075	87,361	5,811	5,981	19,773	6,757	30,197	18,841
1994	114,163	23,908	601	4,986	18,321	90,256	5,984	6,162	20,507	6,896	31,579	19,128
1995	117,191	24,265	581	5,160	18,524	92,925	6,132	6,378	21,187	6,806	33,117	19,305
1996	119,608	24,493	580	5,418	18,495	95,115	6,253	6,482	21,597	6,911	34,454	19,419
1997	122,690	24,934	592	5,686	18,657	97,756	6,395	6,648	22,011	7,091	36,040	19,570
1998	125,832	25,256	575	5,965	18,716	100,576	6,549	6,825	22,475	7,341	37,525	19,862
<b>PERCENT DISTRIBUTION</b>												
1970	100.0	33.3	0.9	5.1	27.3	66.7	6.4	5.7	15.6	5.1	16.3	17.7
1980	100.0	28.4	1.1	4.8	22.4	71.6	5.7	5.9	16.6	5.7	19.8	18.0
1985	100.0	25.5	1.0	4.8	19.8	74.5	5.4	5.9	17.8	6.1	22.5	16.8
1990	100.0	22.8	0.6	4.7	17.4	77.2	5.3	5.6	17.9	6.1	25.5	16.7
1992	100.0	21.4	0.6	4.1	16.7	78.6	5.3	5.5	17.8	6.1	26.8	17.2
1993	100.0	21.1	0.6	4.2	16.3	78.9	5.2	5.4	17.9	6.1	27.3	17.0
1994	100.0	20.9	0.5	4.4	16.0	79.1	5.2	5.4	18.0	6.0	27.7	16.8
1995	100.0	20.7	0.5	4.4	15.8	79.3	5.3	5.5	18.1	5.8	28.2	16.5
1996	100.0	20.5	0.5	4.5	15.5	79.5	5.2	5.4	18.1	5.8	28.8	16.2
1997	100.0	20.3	0.5	4.6	15.2	79.7	5.2	5.4	17.9	5.8	29.4	16.0
1998	100.0	20.1	0.5	4.7	14.9	79.9	5.2	5.4	17.9	5.8	29.8	15.8
<b>WEEKLY HOURS<sup>1</sup></b>												
1970	37.1	(NA)	42.7	37.3	39.8	(NA)	40.5	39.9	33.8	36.7	34.4	(NA)
1980	35.3	(NA)	43.3	37.0	39.7	(NA)	39.6	38.4	30.2	36.2	32.6	(NA)
1985	34.9	(NA)	43.4	37.7	40.5	(NA)	39.5	38.4	29.4	36.4	32.5	(NA)
1990	34.5	(NA)	44.1	38.2	40.8	(NA)	38.4	38.1	28.8	35.8	32.5	(NA)
1992	34.4	(NA)	43.9	38.0	41.0	(NA)	38.3	38.2	28.8	35.8	32.5	(NA)
1993	34.5	(NA)	44.3	38.5	41.4	(NA)	39.3	38.2	28.8	35.8	32.5	(NA)
1994	34.7	(NA)	44.8	38.9	42.0	(NA)	39.7	38.4	28.9	35.8	32.5	(NA)
1995	34.5	(NA)	44.7	38.9	41.6	(NA)	39.4	38.3	28.8	35.9	32.4	(NA)
1996	34.4	(NA)	45.3	39.0	41.6	(NA)	39.6	38.3	28.8	35.9	32.4	(NA)
1997	34.6	(NA)	45.4	38.9	42.0	(NA)	39.7	38.4	28.9	36.1	32.6	(NA)
1998	34.6	(NA)	43.9	38.8	41.7	(NA)	39.5	38.4	29.1	36.4	32.7	(NA)
<b>HOURLY EARNINGS<sup>1</sup></b>												
1970	3.23	(NA)	3.85	5.24	3.35	(NA)	3.85	3.43	2.44	3.07	2.81	(NA)
1980	6.66	(NA)	9.17	9.94	7.27	(NA)	8.87	6.95	4.88	5.79	5.85	(NA)
1985	8.57	(NA)	11.98	12.32	9.54	(NA)	11.40	9.15	5.94	7.94	7.90	(NA)
1990	10.01	(NA)	13.68	13.77	10.83	(NA)	12.92	10.79	6.75	9.97	9.83	(NA)
1992	10.57	(NA)	14.54	14.15	11.46	(NA)	13.43	11.39	7.12	10.82	10.54	(NA)
1993	10.83	(NA)	14.60	14.38	11.74	(NA)	13.55	11.74	7.29	11.35	10.78	(NA)
1994	11.12	(NA)	14.88	14.73	12.07	(NA)	13.78	12.06	7.49	11.83	11.04	(NA)
1995	11.43	(NA)	15.30	15.09	12.37	(NA)	14.13	12.43	7.69	12.32	11.39	(NA)
1996	11.82	(NA)	15.62	15.47	12.77	(NA)	14.45	12.87	7.99	12.80	11.79	(NA)
1997	12.28	(NA)	16.17	16.03	13.17	(NA)	14.93	13.44	8.34	13.33	12.28	(NA)
1998	12.77	(NA)	16.95	16.56	13.49	(NA)	15.34	14.01	8.75	14.06	12.84	(NA)
<b>WEEKLY EARNINGS<sup>1</sup></b>												
1970	120	(NA)	164	195	133	(NA)	156	137	82	113	97	(NA)
1980	235	(NA)	397	368	289	(NA)	351	267	147	210	191	(NA)
1985	299	(NA)	520	464	386	(NA)	450	351	175	289	257	(NA)
1990	345	(NA)	603	526	442	(NA)	496	411	194	357	319	(NA)
1992	364	(NA)	638	538	470	(NA)	514	435	205	387	343	(NA)
1993	374	(NA)	647	554	486	(NA)	533	448	210	406	350	(NA)
1994	386	(NA)	667	573	507	(NA)	547	463	216	424	359	(NA)
1995	394	(NA)	684	587	515	(NA)	557	476	221	442	369	(NA)
1996	407	(NA)	708	603	531	(NA)	572	493	230	460	382	(NA)
1997	425	(NA)	734	624	553	(NA)	593	516	241	481	400	(NA)
1998	442	(NA)	744	643	563	(NA)	606	538	255	512	420	(NA)

NA Not available. <sup>1</sup> Average hours and earnings. Private production and related workers in mining, manufacturing, and construction; nonsupervisory employees in other industries.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, June issues and Internet site <<http://stats.bls.gov/ceshome.htm>>.

## No. 689. Employees in Nonfarm Establishments—States: 1980 to 1998

[In thousands (90,406 represents 90,406,000). For coverage, see headnote, Table 688. National totals differ from the sum of the State figures because of differing benchmarks among States and differing industrial and geographic stratification. Based on 1987 *Standard Industrial Classification Manual*, see text, Section 17, Business]

State	1998									
	1980	1995	Total <sup>1</sup>	Con- struction	Manu- facturing	Trans- portation and public utilities	Whole- sale and retail trade	Finance, insur- ance, and real estate	Services	Government
<b>United States . . . . .</b>	<b>90,406</b>	<b>117,191</b>	<b>125,832</b>	<b>5,965</b>	<b>18,716</b>	<b>6,549</b>	<b>29,300</b>	<b>7,341</b>	<b>37,525</b>	<b>19,862</b>
Alabama . . . . .	1,356	1,804	1,906	102	379	92	439	87	449	347
Alaska . . . . .	169	262	275	13	15	26	57	13	69	74
Arizona . . . . .	1,014	1,796	2,078	144	217	101	499	139	626	339
Arkansas . . . . .	742	1,069	1,123	48	254	68	256	45	263	186
California . . . . .	9,844	12,422	13,584	602	1,960	694	3,122	798	4,220	2,164
Colorado . . . . .	1,251	1,834	2,051	132	207	129	493	135	618	322
Connecticut . . . . .	1,427	1,562	1,645	59	279	76	356	136	513	227
Delaware . . . . .	259	366	400	22	60	16	87	49	112	54
District of Columbia . . . . .	616	643	615	9	13	16	48	29	274	227
Florida . . . . .	3,576	5,996	6,677	351	496	336	1,684	430	2,415	957
Georgia . . . . .	2,159	3,402	3,740	182	593	242	930	200	999	586
Hawaii . . . . .	404	533	530	21	16	41	132	36	172	112
Idaho . . . . .	330	477	522	32	76	25	132	23	127	103
Illinois . . . . .	4,850	5,593	5,894	238	977	347	1,334	405	1,767	815
Indiana . . . . .	2,130	2,787	2,918	145	684	144	688	141	709	400
Iowa . . . . .	1,110	1,358	1,446	62	262	69	354	83	379	236
Kansas . . . . .	945	1,198	1,312	62	213	75	318	62	334	241
Kentucky . . . . .	1,210	1,643	1,753	84	321	102	416	70	443	294
Louisiana . . . . .	1,579	1,772	1,897	128	192	114	442	87	510	367
Maine . . . . .	418	538	570	25	87	24	143	30	168	94
Maryland . . . . .	1,712	2,183	2,324	142	178	109	539	134	787	435
Massachusetts . . . . .	2,654	2,977	3,177	108	448	136	721	217	1,135	412
Michigan . . . . .	3,443	4,274	4,514	186	966	178	1,067	210	1,242	659
Minnesota . . . . .	1,770	2,379	2,560	102	444	128	614	156	727	382
Mississippi . . . . .	829	1,075	1,132	55	245	54	244	42	262	223
Missouri . . . . .	1,970	2,521	2,687	127	421	166	633	162	758	416
Montana . . . . .	280	351	373	19	25	22	100	17	107	78
Nebraska . . . . .	628	816	875	41	119	56	212	57	238	151
Nevada . . . . .	400	786	925	85	42	48	189	43	392	112
New Hampshire . . . . .	385	540	588	23	108	20	152	31	173	79
New Jersey . . . . .	3,060	3,601	3,801	135	478	260	886	248	1,221	570
New Mexico . . . . .	465	682	721	44	45	33	171	32	203	178
New York . . . . .	7,207	7,872	8,229	283	917	412	1,662	736	2,799	1,415
North Carolina . . . . .	2,380	3,460	3,773	214	825	172	852	178	933	594
North Dakota . . . . .	245	302	318	15	24	18	81	16	90	71
Ohio . . . . .	4,367	5,221	5,475	227	1,095	241	1,325	299	1,512	763
Oklahoma . . . . .	1,138	1,316	1,441	54	186	82	332	73	404	278
Oregon . . . . .	1,045	1,418	1,557	83	245	76	384	95	417	255
Pennsylvania . . . . .	4,753	5,253	5,496	219	945	286	1,231	318	1,773	704
Rhode Island . . . . .	398	440	458	15	79	16	99	29	157	63
South Carolina . . . . .	1,189	1,646	1,787	106	364	77	430	80	420	309
South Dakota . . . . .	238	344	361	16	50	17	90	22	95	71
Tennessee . . . . .	1,747	2,499	2,637	123	515	158	624	125	704	384
Texas . . . . .	5,851	8,023	8,939	496	1,107	542	2,107	495	2,515	1,510
Utah . . . . .	551	908	1,024	68	134	59	243	55	280	177
Vermont . . . . .	200	270	286	14	48	13	66	12	87	46
Virginia . . . . .	2,157	3,070	3,310	189	405	173	733	175	1,023	602
Washington . . . . .	1,608	2,347	2,596	143	380	136	625	135	710	466
West Virginia . . . . .	646	688	719	35	82	39	163	29	207	141
Wisconsin . . . . .	1,938	2,559	2,712	113	617	127	610	144	707	393
Wyoming . . . . .	210	219	228	16	11	14	53	9	51	58

<sup>1</sup> Includes mining, not shown separately. <sup>2</sup> Hawaii includes mining with construction.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, May issues. Compiled from data supplied by cooperating state agencies.

## No. 690. Nonfarm Industries—Employees and Earnings: 1980 to 1998

[Annual averages of monthly figures (90,406 represents 90,406,000). Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work; and for other industries, to nonsupervisory employees and working supervisors. See also headnote, Table 688]

Industry	1987 SIC <sup>1</sup> code	All employees (1,000)			Production workers					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1990	1998	1980	1990	1998	1980	1990	1998
<b>Total</b> . . . . .	(X)	<b>90,406</b>	<b>109,403</b>	<b>125,832</b>	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>Private sector</b> <sup>2</sup> . . . . .	(X)	<b>74,166</b>	<b>91,098</b>	<b>105,970</b>	<b>60,331</b>	<b>73,774</b>	<b>86,716</b>	<b>6.66</b>	<b>10.01</b>	<b>12.77</b>
<b>Mining</b> . . . . .	(B)	<b>1,027</b>	<b>709</b>	<b>575</b>	<b>762</b>	<b>509</b>	<b>436</b>	<b>9.17</b>	<b>13.68</b>	<b>16.95</b>
Metal mining . . . . .	10	98	58	51	74	46	39	10.26	14.05	18.25
Coal mining . . . . .	12	246	147	91	204	119	75	10.86	16.71	19.16
Oil and gas extraction . . . . .	13	560	395	326	389	261	242	8.59	12.94	16.83
Nonmetallic minerals, except fuels . . . . .	14	123	110	108	96	83	82	7.52	11.58	14.72
<b>Construction</b> . . . . .	(C)	<b>4,346</b>	<b>5,120</b>	<b>5,965</b>	<b>3,421</b>	<b>3,974</b>	<b>4,617</b>	<b>9.94</b>	<b>13.77</b>	<b>16.56</b>
General building contractors . . . . .	15	1,173	1,298	1,399	900	938	980	9.22	13.01	15.87
Heavy construction, except building . . . . .	16	895	770	824	720	643	690	9.20	13.34	16.15
Special trade contractors . . . . .	17	2,278	3,051	3,743	1,802	2,393	2,947	10.63	14.20	16.90
<b>Manufacturing</b> . . . . .	(D)	<b>20,285</b>	<b>19,076</b>	<b>18,716</b>	<b>14,214</b>	<b>12,947</b>	<b>12,896</b>	<b>7.27</b>	<b>10.83</b>	<b>13.49</b>
<b>Durable goods</b> <sup>3</sup> . . . . .	(X)	<b>12,159</b>	<b>11,109</b>	<b>11,097</b>	<b>8,416</b>	<b>7,363</b>	<b>7,597</b>	<b>7.75</b>	<b>11.35</b>	<b>13.99</b>
Lumber and wood products <sup>3</sup> . . . . .	24	704	733	804	587	603	661	6.57	9.08	11.11
Logging . . . . .	241	88	85	79	71	70	62	8.64	11.22	12.55
Sawmills and planing mills . . . . .	242	215	198	181	190	172	158	6.70	9.22	11.10
Millwork, plywood, and structural members . . . . .	243	206	262	306	170	210	246	6.44	9.04	11.26
Wood containers . . . . .	244	43	45	53	37	38	45	4.95	6.64	8.85
Mobile homes . . . . .	2451	46	41	73	36	33	62	6.08	8.67	11.50
Furniture and fixtures <sup>3</sup> . . . . .	25	466	506	524	376	400	417	5.49	8.52	10.89
Household furniture . . . . .	251	301	289	282	253	241	239	5.12	7.87	10.28
Office furniture . . . . .	252	51	68	66	40	57	48	5.91	9.64	11.80
Partitions and fixtures . . . . .	254	63	78	90	47	67	67	6.68	9.77	11.65
Stone, clay, and glass products <sup>3</sup> . . . . .	32	629	556	563	486	432	440	7.50	11.12	13.60
Flat glass . . . . .	321	18	17	17	14	13	13	9.65	15.15	18.60
Glass and glassware, pressed and blown . . . . .	322	124	83	72	105	72	59	7.97	12.40	15.52
Products of purchased glass . . . . .	323	45	60	63	32	46	49	6.50	9.75	12.11
Cement, hydraulic . . . . .	324	31	18	18	25	14	13	10.55	13.90	18.54
Structural clay products . . . . .	325	46	36	33	34	28	26	6.14	9.55	11.88
Pottery and related products . . . . .	326	47	39	38	39	31	30	6.25	9.62	11.94
Concrete, gypsum, and plaster . . . . .	327	204	206	223	157	157	173	7.45	10.76	13.10
Primary metal industries <sup>3</sup> . . . . .	33	1,142	756	711	878	574	557	9.77	12.92	15.48
Blast furnaces and basic steel products . . . . .	331	512	276	233	396	212	180	11.39	14.82	18.43
Iron and steel foundries . . . . .	332	209	132	132	167	105	108	8.20	11.55	13.96
Primary nonferrous metals . . . . .	333	71	46	39	53	34	30	10.63	14.36	17.04
Nonferrous rolling and drawing . . . . .	335	211	172	168	151	124	129	8.81	12.29	14.60
Nonferrous foundries (castings) . . . . .	336	90	84	92	72	66	75	7.30	10.21	12.35
Fabricated metal products . . . . .	34	1,609	1,419	1,489	1,194	1,045	1,122	7.35	10.83	13.07
Metal cans and shipping containers . . . . .	341	75	50	37	63	43	31	9.84	14.27	16.69
Cutlery, handtools, and hardware . . . . .	342	164	131	126	125	96	97	7.02	10.78	12.29
Plumbing and heating, exc. electric . . . . .	343	71	60	59	52	43	42	6.59	9.75	11.88
Fabricated structural metal products . . . . .	344	506	427	457	351	303	334	7.27	10.16	12.50
Screw machine products . . . . .	345	109	96	108	84	73	84	6.96	10.70	13.30
Metal forgings and stampings . . . . .	346	260	225	257	205	178	203	8.56	12.70	15.25
Industrial machinery and equipment <sup>3</sup> . . . . .	35	2,517	2,095	2,189	1,614	1,260	1,382	8.00	11.77	14.45
Engines and turbines . . . . .	351	135	89	83	87	58	53	9.73	14.55	17.22
Farm and garden machinery . . . . .	352	169	106	102	116	78	74	8.78	10.99	13.80
Construction and related machinery . . . . .	353	389	229	253	255	141	165	8.60	11.92	13.69
Metalworking machinery . . . . .	354	398	330	349	290	236	249	8.13	12.27	15.33
Special industry machinery . . . . .	355	194	159	182	125	94	99	7.53	11.90	15.08
General industrial machinery . . . . .	356	300	247	266	196	158	169	7.95	11.32	14.05
Computer and office equipment . . . . .	357	420	438	375	181	137	145	6.75	11.51	15.32
Refrigeration and service machinery . . . . .	358	175	177	202	120	125	146	7.23	10.93	13.00
Electronic and other elec. equip. <sup>3</sup> . . . . .	36	1,771	1,673	1,700	( <sup>d</sup> )	1,055	1,066	( <sup>d</sup> )	10.30	13.11
Electric distribution equipment . . . . .	361	117	97	83	82	67	56	6.96	10.15	13.09
Electrical industrial apparatus . . . . .	362	232	169	153	163	119	106	( <sup>d</sup> )	10.00	12.48
Household appliances . . . . .	363	162	124	115	128	99	91	6.95	10.26	12.43
Electric lighting and wiring equip . . . . .	364	211	189	182	157	136	130	6.43	10.12	12.72
Household audio and video equip . . . . .	365	109	85	78	79	59	50	6.42	9.68	11.94
Communications equipment . . . . .	366	( <sup>d</sup> )	264	277	( <sup>d</sup> )	133	128	( <sup>d</sup> )	11.03	14.02
Electronic components and accessories . . . . .	367	539	582	667	325	329	401	6.05	10.00	13.25
Transportation equipment <sup>3</sup> . . . . .	37	1,881	1,989	1,874	1,220	1,224	1,252	9.35	14.08	17.56
Motor vehicles and equipment . . . . .	371	789	812	988	575	617	759	9.85	14.56	17.94
Aircraft and parts . . . . .	372	633	712	523	344	345	264	9.28	14.79	19.11
Ship and boat building and repairing . . . . .	373	221	188	162	176	141	123	8.22	10.94	13.36
Railroad equipment . . . . .	374	71	33	34	53	25	26	9.93	13.41	16.91
Guided missiles, space vehicles, and parts . . . . .	376	111	185	89	35	57	24	9.22	14.39	19.98

See footnotes at end of table.

**No. 690. Nonfarm Industries—Employees and Earnings:  
1980 to 1998—Continued**

[See headnote, p. 436]

Industry	1987 SIC <sup>1</sup> code	All employees (1,000)			Production workers					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1990	1998	1980	1990	1998	1980	1990	1998
<b>Durable goods—Continued</b>										
Instruments and related products . . . . .	38	1,022	1,006	859	(4)	499	430	(4)	11.29	13.77
Search and navigation equipment . . . . .	381	(7)	284	160	(4)	94	44	(4)	14.62	17.32
Measuring and controlling devices . . . . .	382	(7)	323	300	(4)	180	154	(4)	10.68	13.87
Medical instruments and supplies . . . . .	384	(7)	246	279	(4)	144	165	(7)	9.85	12.79
Ophthalmic goods . . . . .	385	44	43	37	31	30	25	5.30	8.18	10.23
Photographic equipment and supplies . . . . .	386	135	100	77	67	43	36	8.83	14.08	16.29
Watches, clocks, watchcases, and parts . . . . .	387	22	11	7	17	8	6	5.24	7.70	10.42
Misc. manufacturing industries <sup>3</sup> . . . . .	39	418	375	386	313	272	269	5.46	8.61	10.87
Jewelry, silverware, and plated ware . . . . .	391	56	52	49	40	37	34	5.76	9.23	11.36
Toys and sporting goods . . . . .	394	117	104	102	88	76	69	5.01	7.94	10.42
Pens, pencils, office and art supplies . . . . .	395	37	34	30	27	24	21	5.58	8.89	11.28
Costume jewelry and notions . . . . .	396	(4)	33	23	(4)	25	17	(4)	7.40	9.72
<b>Nondurable goods<sup>3</sup> . . . . .</b>										
<b>(X) 8,127 7,968 7,619 5,798 5,584 5,299 6.56 10.12 12.75</b>										
Food and kindred products <sup>3</sup> . . . . .	20	1,708	1,661	1,705	1,175	1,194	1,266	6.85	9.62	11.80
Meat products . . . . .	201	358	422	501	298	359	426	6.99	7.94	9.66
Dairy products . . . . .	202	175	155	142	96	95	97	6.86	10.56	13.57
Preserved fruits and vegetables . . . . .	203	246	247	230	202	206	193	5.94	8.95	11.34
Grain mill products . . . . .	204	144	128	125	99	89	88	7.67	11.52	14.89
Bakery products . . . . .	205	230	213	209	139	133	141	7.14	10.85	12.75
Sugar and confectionery products . . . . .	206	108	99	99	81	78	78	6.56	10.26	13.05
Fats and oils . . . . .	207	44	31	35	32	22	24	7.03	10.10	12.84
Beverages . . . . .	208	234	184	184	105	78	90	8.12	13.51	16.11
Tobacco products . . . . .	21	69	49	40	54	36	31	7.74	16.23	18.67
Cigarettes . . . . .	211	46	35	27	35	26	20	9.23	19.57	24.34
Textile mill products . . . . .	22	848	691	596	737	593	505	5.07	8.02	10.39
Broadwoven fabric mills, cotton . . . . .	221	150	91	69	135	82	62	5.25	8.31	10.91
Broadwoven fabric mills, synthetics . . . . .	222	116	77	64	104	68	55	5.30	8.63	11.25
Broadwoven fabric mills, wool . . . . .	223	19	17	13	16	14	11	5.21	8.61	10.82
Narrow fabric mills . . . . .	224	23	24	21	20	20	17	4.63	7.39	9.52
Knitting mills . . . . .	225	224	205	161	194	179	137	4.77	7.37	9.47
Textile finishing, except wool . . . . .	226	74	62	63	62	50	52	5.39	8.45	10.64
Carpets and rugs . . . . .	227	54	61	66	44	50	55	5.20	8.25	10.36
Yarn and thread mills . . . . .	228	125	103	84	113	92	75	4.76	7.68	10.05
Apparel and other textile products <sup>3</sup> . . . . .	23	1,264	1,036	771	1,079	869	620	4.56	6.57	8.52
Men's and boys' suits and coats . . . . .	231	67	50	28	67	42	23	5.34	7.34	8.66
Men's and boys' furnishings . . . . .	232	362	274	186	310	235	157	4.23	6.06	7.98
Women's and misses outerwear . . . . .	233	417	328	232	360	274	183	4.61	6.26	8.18
Women's and children's undergarments . . . . .	234	90	62	32	76	51	25	4.15	6.18	8.14
Girls' and children's outerwear . . . . .	236	64	56	26	55	47	21	4.20	5.95	8.07
Paper and allied products <sup>3</sup> . . . . .	26	685	697	682	519	522	519	7.84	12.31	15.50
Papermills . . . . .	262	178	180	155	133	136	121	9.05	15.10	19.80
Paperboard mills . . . . .	263	65	52	50	51	40	39	9.28	15.26	19.57
Paperboard containers and boxes . . . . .	265	205	209	218	157	162	169	6.94	10.39	13.12
Misc. converted paper products . . . . .	267	220	241	247	163	174	181	6.89	10.79	13.49
Printing and publishing <sup>3</sup> . . . . .	27	1,252	1,569	1,566	699	871	845	7.53	11.24	13.44
Newspapers . . . . .	271	420	474	444	164	166	148	7.72	11.17	13.20
Periodicals . . . . .	273	90	129	139	16	47	45	7.16	11.95	14.82
Books . . . . .	275	101	121	128	52	66	63	6.76	10.10	12.69
Commercial printing . . . . .	275	410	552	577	304	401	411	7.85	11.52	13.70
Blankbooks and bookbinding . . . . .	278	62	72	66	51	56	50	5.78	8.83	10.52
Chemicals and allied products <sup>3</sup> . . . . .	28	1,107	1,086	1,036	626	600	582	8.30	13.54	17.13
Industrial inorganic chemicals . . . . .	281	161	138	115	88	70	62	9.07	14.66	19.12
Plastics materials and synthetics . . . . .	282	205	180	154	137	116	102	8.21	13.97	17.91
Drugs . . . . .	283	196	237	274	97	105	125	7.69	12.90	17.03
Soap, cleaners, and toilet goods . . . . .	284	141	159	157	86	98	98	7.67	11.71	13.94
Paints and allied products . . . . .	285	65	61	52	33	31	28	7.39	11.99	14.42
Industrial organic chemicals . . . . .	286	174	155	137	88	86	80	9.67	15.97	20.51
Agricultural chemicals . . . . .	287	72	56	51	45	34	31	8.12	13.73	17.11
Petroleum and coal products <sup>3</sup> . . . . .	29	198	157	136	125	103	89	10.10	16.24	20.90
Petroleum refining . . . . .	291	155	118	93	93	75	60	10.94	17.58	23.52
Asphalt paving and roofing materials . . . . .	295	31	27	28	24	21	21	7.69	12.87	15.51
Rubber and misc. plastics products <sup>3</sup> . . . . .	30	764	888	1,006	588	687	780	6.58	9.76	11.87
Tires and inner tubes . . . . .	301	115	84	79	81	62	59	9.74	15.42	18.65
Rubber and plastics footwear . . . . .	302	22	11	6	20	9	5	4.43	6.66	10.07
Leather and leather products <sup>3</sup> . . . . .	31	233	133	82	197	109	62	4.58	6.91	9.34
Leather tanning and finishing . . . . .	311	19	15	12	16	12	10	6.10	9.04	12.05
Footwear, except rubber . . . . .	314	144	74	35	123	63	28	4.42	6.61	8.91
Luggage . . . . .	316	16	11	10	12	8	7	4.90	6.91	9.16
Handbags and personal leather goods . . . . .	317	30	15	9	25	12	5	4.33	6.08	8.22

See footnotes at end of table.



# No. 690. Nonfarm Industries—Employees and Earnings: 1980 to 1998—Continued

[See headnote, p. 436]

Industry	1987 SIC <sup>1</sup> code	All employees (1,000)			Production workers					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1990	1998	1980	1990	1998	1980	1990	1998
<b>Transp. and public utilities<sup>3</sup> . . . . .</b>	<b>(E)</b>	<b>5,146</b>	<b>5,777</b>	<b>6,549</b>	<b>4,293</b>	<b>4,781</b>	<b>5,426</b>	<b>8.87</b>	<b>12.92</b>	<b>15.34</b>
Railroad transportation . . . . .	40	532	279	232	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Class I railroads, plus Amtrak <sup>5</sup> . . . . .	4011	482	241	205	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	6.92	16.08	17.95
Local and interurban passenger transit . . . . .	41	265	338	462	244	308	422	6.34	9.23	11.17
Trucking and warehousing . . . . .	42	( <sup>4</sup> )	1,395	1,707	(NA)	1,215	1,495	( <sup>4</sup> )	11.68	13.62
Water transportation . . . . .	44	211	177	186	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Transportation by air . . . . .	45	( <sup>4</sup> )	968	1,157	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Pipelines, except natural gas . . . . .	46	21	19	14	15	14	12	10.50	17.04	20.64
Transportation services . . . . .	47	( <sup>4</sup> )	336	449	159	270	367	6.94	10.38	13.64
Communication <sup>3</sup> . . . . .	48	1,357	1,309	1,487	1,014	978	1,083	8.50	13.51	17.30
Telephone communication . . . . .	481	1,072	913	1,023	779	658	716	8.72	14.13	17.79
Radio and television broadcasting . . . . .	483	192	234	246	154	193	202	7.44	12.71	17.79
Cable and other pay television services . . . . .	484	( <sup>4</sup> )	126	185	( <sup>4</sup> )	105	151	( <sup>4</sup> )	10.50	14.14
Electric, gas, and sanitary services <sup>3</sup> . . . . .	49	829	957	855	678	759	685	8.90	15.23	19.97
Electric services . . . . .	491	391	454	363	316	351	294	9.12	15.80	21.01
Gas production and distribution . . . . .	492	168	165	140	138	129	109	8.27	14.25	18.56
Combination utility services . . . . .	493	197	193	157	162	156	122	9.64	17.58	24.30
Sanitary services . . . . .	495	50	115	163	44	99	134	7.16	11.55	15.70
<b>Wholesale trade . . . . .</b>	<b>(F)</b>	<b>5,292</b>	<b>6,173</b>	<b>6,825</b>	<b>4,328</b>	<b>4,959</b>	<b>5,471</b>	<b>6.95</b>	<b>10.79</b>	<b>14.01</b>
<b>Retail trade<sup>3</sup> . . . . .</b>	<b>(G)</b>	<b>15,018</b>	<b>19,601</b>	<b>22,475</b>	<b>13,484</b>	<b>17,358</b>	<b>19,741</b>	<b>4.88</b>	<b>6.75</b>	<b>8.75</b>
General merchandise stores . . . . .	53	2,245	2,540	2,790	2,090	2,380	2,590	4.77	6.83	8.59
Food stores . . . . .	54	2,384	3,215	3,545	2,202	2,953	3,213	6.24	7.31	9.07
Automotive dealers and service stations . . . . .	55	1,689	2,063	2,351	1,430	1,718	1,951	5.66	8.92	12.09
Apparel and accessory stores . . . . .	56	957	1,183	1,105	820	991	924	4.30	6.25	8.45
Furniture and home furnishings stores . . . . .	57	606	820	1,062	502	670	874	5.53	8.53	11.87
Eating and drinking places . . . . .	58	4,626	6,509	7,746	4,256	5,905	6,958	3.69	4.97	6.35
<b>Finance, insurance, real estate . . . . .</b>	<b>(H)</b>	<b>5,160</b>	<b>6,709</b>	<b>7,341</b>	<b>3,907</b>	<b>4,860</b>	<b>5,390</b>	<b>5.79</b>	<b>9.97</b>	<b>14.06</b>
Depository institutions . . . . .	60	( <sup>4</sup> )	2,251	2,041	( <sup>4</sup> )	1,632	1,468	( <sup>4</sup> )	8.43	10.83
Nondepository institutions . . . . .	61	( <sup>4</sup> )	373	620	( <sup>4</sup> )	270	426	( <sup>4</sup> )	10.40	14.55
Security and commodity brokers . . . . .	62	227	424	649	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Insurance carriers . . . . .	63	1,224	1,462	2,443	854	982	( <sup>4</sup> )	6.29	11.18	( <sup>4</sup> )
Insurance, agents, brokers, service . . . . .	64	464	663	1,586	( <sup>4</sup> )	( <sup>4</sup> )	1,199	( <sup>4</sup> )	( <sup>4</sup> )	16.65
Real estate . . . . .	65	989	1,315	743	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Holding and other investment offices . . . . .	67	115	221	1,460	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
<b>Services<sup>3</sup> . . . . .</b>	<b>(I)</b>	<b>17,890</b>	<b>27,934</b>	<b>37,525</b>	<b>15,921</b>	<b>24,387</b>	<b>32,740</b>	<b>5.85</b>	<b>9.83</b>	<b>12.84</b>
Hotels and other lodging places . . . . .	70	1,076	1,631	1,771	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Hotels and motels . . . . .	701	1,038	1,578	1,718	954	1,398	1,509	4.45	6.98	8.92
Personal services <sup>3</sup> . . . . .	72	818	1,104	1,181	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Laundry, cleaning, garment services . . . . .	721	356	426	441	318	379	388	4.47	6.82	8.40
Beauty shops . . . . .	723	284	372	402	264	333	355	4.26	7.10	9.40
Business services <sup>3</sup> . . . . .	73	2,564	5,139	8,546	( <sup>4</sup> )	4,522	7,571	( <sup>4</sup> )	9.48	12.55
Advertising . . . . .	731	153	235	268	116	169	193	8.07	13.51	17.57
Personnel supply services . . . . .	736	543	1,535	3,161	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Employment agencies . . . . .	7361	( <sup>4</sup> )	246	338	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Help supply services . . . . .	7363	( <sup>4</sup> )	1,288	2,824	( <sup>4</sup> )	1,245	2,738	( <sup>4</sup> )	8.09	10.18
Computer and data processing services . . . . .	737	304	772	1,603	254	603	1,283	7.16	15.11	21.16
Prepackaged software . . . . .	7372	( <sup>4</sup> )	113	269	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Data processing and preparation . . . . .	7374	( <sup>4</sup> )	197	272	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Auto repair, services, and parking . . . . .	75	571	914	1,159	488	756	941	6.10	8.77	11.06
Automotive repair shops . . . . .	753	350	524	635	297	429	499	6.52	9.67	12.43
Motion pictures . . . . .	78	( <sup>4</sup> )	408	565	( <sup>4</sup> )	344	470	( <sup>4</sup> )	10.95	14.62
Motion picture theaters . . . . .	783	124	112	134	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Amusement and recreation services . . . . .	79	( <sup>4</sup> )	1,076	1,688	( <sup>4</sup> )	944	1,476	( <sup>4</sup> )	8.11	9.67
Health services <sup>3</sup> . . . . .	80	5,278	7,814	9,904	4,712	6,948	8,773	5.68	10.41	13.72
Offices and clinics of medical doctors . . . . .	801	802	1,338	1,817	( <sup>4</sup> )	1,105	1,497	( <sup>4</sup> )	10.58	14.28
Nursing and personal care facilities . . . . .	805	997	1,415	1,757	898	1,279	1,580	4.17	7.24	9.76
Hospitals . . . . .	806	2,750	3,549	3,953	2,522	3,248	3,622	6.06	11.79	15.46
Home health care services . . . . .	808	( <sup>4</sup> )	291	680	( <sup>4</sup> )	269	627	( <sup>4</sup> )	8.72	11.50
Legal services . . . . .	81	498	908	982	427	748	784	7.35	14.16	18.05
Educational services . . . . .	82	1,138	1,661	2,207	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Social services . . . . .	83	1,134	1,734	2,628	990	1,494	2,275	4.26	7.11	9.20
Membership organizations . . . . .	86	1,539	1,946	2,271	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Engineering and management services . . . . .	87	( <sup>4</sup> )	2,478	3,236	( <sup>4</sup> )	1,886	2,472	( <sup>4</sup> )	13.56	17.86
<b>Government . . . . .</b>	<b>(J)</b>	<b>16,241</b>	<b>18,304</b>	<b>19,862</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>	<b>(NA)</b>
Federal government . . . . .	(X)	2,866	3,085	2,686	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State government . . . . .	(X)	3,610	4,305	4,648	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Local government . . . . .	(X)	9,765	10,914	12,527	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification, see text, Section 17. Business <sup>2</sup> Excludes government. <sup>3</sup> Includes industries not shown separately. <sup>4</sup> Included in totals; not available separately. <sup>5</sup> For changes in "Class I" classification, see text, Section 21, Land Transportation. <sup>6</sup> Includes all employees except executives, officials, and staff assistants who received pay during the month.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, June issues and Internet site <http://stats.bls.gov/ceshome.htm>.

## No. 691. Establishments Providing Training to Employees: 1995

[In percent, except hours. For May through October. For private establishments with 50 or more employees. Formal training is structured, planned in advances and with a defined curriculum. Based on the 1995 Survey of Employer-Provided Training; see source for details]

Establishment characteristic	Establishments providing formal training <sup>1</sup>	Employees receiving formal training	Hours of training per employee		
			Formal training		Informal training <sup>2</sup>
			Employer survey	Employee survey	
<b>Total</b> . . . . .	<b>92.5</b>	<b>69.8</b>	<b>10.7</b>	<b>13.4</b>	<b>31.1</b>
Size: 50 to 99 employees . . . . .	90.8	61.6	5.7	8.2	31.9
100 to 499 employees . . . . .	94.4	73.0	12.1	13.5	34.5
500 or more employees . . . . .	98.1	71.0	12.0	16.6	26.0
Industry:					
Mining . . . . .	96.7	94.7	14.4	17.2	18.9
Construction . . . . .	94.7	71.2	5.0	11.4	36.1
Manufacturing:					
Durable goods . . . . .	88.1	78.3	11.7	20.8	30.3
Nondurable goods . . . . .	95.2	85.4	11.9	21.7	18.5
Transportation, communications and public utilities . . . . .	96.5	81.4	18.3	17.6	19.7
Retail trade . . . . .	88.7	48.8	3.7	4.2	32.6
Finance, insurance and real estate . . . . .	95.6	87.4	16.6	15.9	34.7
Services . . . . .	93.5	70.7	11.0	13.2	37.0

<sup>1</sup> In the prior 12 months. Measured by the employer survey. <sup>2</sup> Measured by the employee survey.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, June 1998.

## No. 692. Employees Receiving Employer-Provided Training: 1995

[In percent, except hours. See headnote, Table 691]

Employee characteristic	Employees receiving formal training <sup>1</sup>	Hours of training per employee		Employee characteristic	Employees receiving formal training <sup>1</sup>	Hours of training per employee	
		Formal training <sup>2</sup>	Informal training <sup>2</sup>			Formal training <sup>2</sup>	Informal training <sup>2</sup>
<b>Total</b> . . . . .	<b>69.8</b>	<b>13.4</b>	<b>31.1</b>	Occupation: managerial and professional . . . . .	80.2	4.3	22.4
Age: 24 years old and under . . . . .	63.4	2.7	21.4	Professional, para-professional and tech. . . . .	84.8	22.3	38.7
25 to 34 years old . . . . .	78.5	14.0	32.5	Sales, clerical, and admin. support . . . . .	72.5	10.2	23.2
35 to 44 years old . . . . .	74.7	15.4	30.3	Service . . . . .	49.8	5.6	22.1
45 to 54 years old . . . . .	64.7	17.2	39.0	Production <sup>3</sup> . . . . .	66.3	15.2	38.5
55 years old and over . . . . .	50.7	5.7	17.1	Tenure in current job:			
Sex: Male . . . . .	66.5	12.2	35.4	2 years or less . . . . .	67.5	8.9	56.5
Female . . . . .	73.1	14.6	26.9	2 to 5 years . . . . .	56.8	4.5	19.5
Education: High school graduate or less . . . . .	60.1	10.9	24.8	5 to 10 years . . . . .	79.7	19.5	27.0
Some college . . . . .	67.8	14.3	37.0	More than 10 years . . . . .	75.3	21.1	20.5
BA degree or more . . . . .	89.7	16.1	31.8				

<sup>1</sup> In the prior 12 months. <sup>2</sup> Measured by the employee survey. <sup>3</sup> Includes construction, operating, maintenance, and material handling.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, June 1998.

## No. 693. Adults Taking Work-Related Adult Education Classes: 1995

[In thousands (178,618 represents 178,618,000), except percent. For the civilian noninstitutionalized population 16 years old noninstitutional population 16 years old and over not enrolled in elementary or secondary school. Excludes retired persons over 70 years old who did not work for pay in the prior year. Excludes classes such as basic skills, personal development, etc. See also, Table 341]

Occupation	Total population	Participants		Occupation	Total population	Participants	
		Number	Per cent			Number	Per cent
<b>Total</b> . . . . .	<b>178,618</b>	<b>39,655</b>	<b>22</b>	Service . . . . .	20,080	4,192	21
Health assessment, treatment . . . . .	2,337	1,667	71	Precision production, craft and repair . . . . .	12,667	2,811	22
Health diagnosing . . . . .	859	576	67	Transportation and materials moving . . . . .	5,311	825	16
Teacher, below college . . . . .	5,414	2,837	52	Machine operators, assemblers and inspectors . . . . .	9,484	1,392	15
Other professional . . . . .	7,903	3,739	47	Agriculture, forestry and fishing . . . . .	2,336	270	12
Executive, admin., managerial . . . . .	13,098	5,509	42	Handlers, equipment cleaning, helpers and laborers . . . . .	2,456	273	11
College teacher . . . . .	1,254	511	41	No job in the past year . . . . .	46,720	1,107	2
Technical and related support . . . . .	5,240	2,268	43				
Miscellaneous . . . . .	2,311	819	35				
Admin. support, incl. clerical . . . . .	22,968	6,646	29				
Sales workers . . . . .	18,179	4,214	23				

<sup>1</sup> For example, includes engineers, scientists, and social scientists.

Source: U.S. Center for Education Statistics, *Adult Participation in Work-Related Courses, 1994-95*, October 1998, NCES 98-309.

## No. 694. Annual Indexes of Output Per Hour for Selected Three-Digit SIC Industries: 1988 to 1997

[See text, Section 13, Labor Force. Minus sign (-) indicates decrease]

Industry	1987 SIC code <sup>1</sup>	Indexes (1987=100)						Average annual percent change <sup>2</sup>
		1988	1990	1994	1995	1996	1997	
<b>Mining:</b>								
Bituminous coal and lignite mining . . . . .	122	111.7	118.7	148.1	155.9	168.0	176.8	5.9
Crude petroleum and natural gas. . . . .	131	101.0	97.0	112.4	119.4	123.7	126.1	2.3
<b>Manufacturing:</b>								
Meat products . . . . .	201	100.1	97.1	101.2	102.4	97.7	(NA)	-0.3
Dairy products . . . . .	202	108.4	107.3	111.9	116.6	115.9	(NA)	1.7
Preserved fruits and vegetables. . . . .	203	97.0	95.6	107.6	109.1	109.4	(NA)	1.0
Grain mill products . . . . .	204	101.3	105.3	108.4	115.3	107.7	(NA)	0.8
Bakery products . . . . .	205	96.8	92.7	96.4	97.3	95.4	(NA)	-0.5
Sugar and confectionery products . . . . .	206	99.4	102.8	105.4	107.5	112.7	(NA)	1.3
Beverages . . . . .	208	106.0	117.7	130.9	134.3	135.7	(NA)	3.4
Miscellaneous food and kindred products . . . . .	209	107.0	99.3	101.0	103.1	107.6	(NA)	0.8
Broadwoven fabric mills, cotton . . . . .	221	99.6	103.1	122.1	134.0	137.8	(NA)	3.6
Knitting mills . . . . .	225	96.3	107.5	134.3	138.6	150.8	(NA)	4.7
Yarn and thread mills. . . . .	228	102.1	110.2	130.7	137.4	146.6	(NA)	4.3
Men's and boys' furnishings . . . . .	232	100.1	102.1	111.7	123.4	134.0	(NA)	3.3
Women's and misses' outerwear . . . . .	233	101.4	104.1	127.4	135.5	144.2	(NA)	4.2
Miscellaneous fabricated textile products. . . . .	239	96.6	99.9	107.8	109.2	106.3	(NA)	0.7
Logging. . . . .	241	93.7	86.3	87.8	86.0	86.0	(NA)	-1.7
Sawmills and planing mills . . . . .	242	100.7	99.8	103.3	110.2	114.9	(NA)	1.6
Millwork, plywood, and structural members . . . . .	243	98.9	98.0	94.5	92.7	92.2	(NA)	-0.9
Wood buildings and mobile homes . . . . .	245	97.8	103.1	98.3	97.0	97.0	(NA)	-0.3
Miscellaneous wood products . . . . .	249	95.9	107.7	111.8	115.4	114.2	(NA)	1.5
Household furniture . . . . .	251	99.4	104.5	112.5	116.9	122.2	(NA)	2.3
Partitions and fixtures . . . . .	254	95.7	95.6	98.9	101.2	97.3	(NA)	-0.3
Paper mills . . . . .	262	103.9	102.3	110.2	119.0	111.9	(NA)	1.3
Paperboard containers and boxes . . . . .	265	99.7	101.3	108.4	105.1	106.5	(NA)	0.7
Miscellaneous converted paper products . . . . .	267	101.1	101.4	110.8	113.4	114.6	(NA)	1.5
Newspapers. . . . .	271	96.9	90.6	79.9	79.0	77.1	(NA)	-2.8
Periodicals. . . . .	272	97.9	93.9	82.4	88.5	90.9	(NA)	-1.1
Books . . . . .	273	99.1	96.6	103.0	101.5	100.5	(NA)	0.1
Miscellaneous publishing . . . . .	274	96.7	92.2	97.5	94.8	93.4	(NA)	-0.8
Blankbooks and bookbinding. . . . .	278	95.6	99.4	105.4	108.7	115.0	(NA)	1.6
Industrial inorganic chemicals . . . . .	281	105.7	106.7	102.0	109.2	110.4	(NA)	1.1
Plastics materials and synthetics . . . . .	282	98.8	100.9	125.0	128.7	125.1	(NA)	2.5
Drugs . . . . .	283	101.1	103.9	105.5	108.9	112.9	(NA)	1.4
Soaps, cleaners, and toilet goods . . . . .	284	102.0	103.8	111.2	118.6	121.4	(NA)	2.2
Industrial organic chemicals . . . . .	286	109.8	101.4	100.0	98.8	98.4	(NA)	-0.2
Miscellaneous chemical products . . . . .	289	95.4	97.3	105.7	107.8	110.2	(NA)	1.1
Petroleum refining . . . . .	291	105.3	109.2	123.8	132.3	142.0	(NA)	4.0
Tires and inner tubes. . . . .	301	102.9	103.0	124.1	131.1	138.8	(NA)	3.7
Fabricated rubber products, n.e.c. <sup>3</sup> . . . . .	306	104.3	109.2	119.2	121.6	120.3	(NA)	2.1
Miscellaneous plastics products, n.e.c. <sup>3</sup> . . . . .	308	100.5	105.6	120.4	120.7	124.9	(NA)	2.5
Glass and glassware, pressed or blown . . . . .	322	100.6	104.8	112.9	115.7	121.9	(NA)	2.2
Concrete, gypsum, and plaster products . . . . .	327	100.8	102.3	101.5	104.5	107.5	(NA)	0.8
Miscellaneous nonmetallic mineral products . . . . .	329	103.0	95.4	106.3	107.8	111.3	(NA)	1.2
Blast furnace and basic steel products . . . . .	331	112.6	109.6	142.4	142.7	153.6	(NA)	4.9
Iron and steel foundries . . . . .	332	104.0	106.1	113.0	112.7	115.7	(NA)	1.6
Nonferrous rolling and drawing . . . . .	335	95.5	92.7	101.1	99.1	103.9	(NA)	0.4
Nonferrous foundries (castings) . . . . .	336	102.6	104.0	112.1	117.8	122.6	(NA)	2.3
Cutlery, handtools, and hardware . . . . .	342	97.8	97.3	109.2	111.3	117.9	(NA)	1.8
Fabricated structural metal products . . . . .	344	100.4	98.8	107.7	105.8	106.7	(NA)	0.7
Screw machine products, bolts, etc. . . . .	345	98.5	96.1	107.2	109.7	110.4	(NA)	1.1
Metal forgings and stampings . . . . .	346	101.5	95.6	108.5	109.3	113.7	(NA)	1.4
Metal services, n.e.c. <sup>3</sup> . . . . .	347	108.3	104.7	123.0	127.7	127.5	(NA)	2.7
Miscellaneous fabricated metal products . . . . .	349	101.4	97.5	103.0	106.4	108.6	(NA)	0.9
Engines and turbines. . . . .	351	106.8	106.5	122.3	122.7	136.9	(NA)	3.6
Farm and garden machinery . . . . .	352	106.3	116.5	125.0	134.7	136.6	(NA)	3.5
Construction and related machinery . . . . .	353	106.5	107.0	117.7	124.1	123.8	(NA)	2.4
Metalworking machinery . . . . .	354	101.0	101.1	109.9	114.8	114.7	(NA)	1.5
Special industry machinery . . . . .	355	104.6	107.5	121.2	132.3	134.7	(NA)	3.4
General industrial machinery . . . . .	356	106.0	101.5	106.7	109.0	110.0	(NA)	1.1
Refrigeration and service machinery. . . . .	358	102.1	103.6	110.7	112.7	114.4	(NA)	1.5
Industrial machinery, n.e.c. <sup>3</sup> . . . . .	359	106.5	107.3	127.3	138.8	142.1	(NA)	4.0
Electric distribution equipment . . . . .	361	105.4	106.3	131.8	143.0	145.1	(NA)	4.2
Electrical industrial apparatus . . . . .	362	104.5	107.5	134.5	150.4	154.1	(NA)	4.9
Household appliances . . . . .	363	103.0	105.8	131.4	127.3	126.7	(NA)	2.7

See footnotes at end of table.

## No. 694. Annual Indexes of Output Per Hour for Selected Three-Digit SIC Industries: 1988 to 1997—Continued

[See headnote, page 440]

Industry	1987 SIC code <sup>1</sup>	Indexes (1987=100)						Average annual percent change <sup>2</sup>
		1988	1990	1994	1995	1996	1997	
<b>Manufacturing—Continued:</b>								
Electric lighting and wiring equipment . . . . .	364	101.9	99.9	113.4	113.7	117.4	(NA)	1.8
Communications equipment . . . . .	366	110.4	120.9	164.8	169.6	189.6	(NA)	7.4
Miscellaneous electrical equipment and supplies. . . . .	369	102.8	90.6	110.5	114.1	123.0	(NA)	2.3
Motor vehicles and equipment. . . . .	371	103.2	102.4	107.1	104.1	104.1	(NA)	0.4
Aircraft and parts . . . . .	372	100.5	98.8	109.5	107.8	112.6	(NA)	1.3
Ship and boat building and repairing . . . . .	373	99.4	103.7	103.8	97.9	100.5	(NA)	0.1
Guided missiles, space vehicles, parts Search and navigation equipment . . . . .	376	104.8	115.7	117.5	118.7	127.3	(NA)	2.7
Measuring and controlling devices . . . . .	381	104.8	112.7	132.1	149.5	141.8	(NA)	4.0
Medical instruments and supplies. . . . .	382	103.1	106.1	133.8	146.4	150.4	(NA)	4.6
Photographic equipment and supplies. . . . .	384	104.4	116.3	126.1	130.9	140.4	(NA)	3.8
Toys and sporting goods . . . . .	386	105.6	107.8	132.7	129.5	129.0	(NA)	2.9
Miscellaneous manufactures. . . . .	394	104.8	108.1	109.7	113.6	120.0	(NA)	2.0
	399	104.5	107.9	106.2	108.2	113.5	(NA)	1.4
<b>Transportation:</b>								
US postal service <sup>4</sup> . . . . .	431	99.9	104.0	106.6	106.5	104.7	108.3	0.8
Air transportation <sup>5</sup> . . . . .	4512,13, 22 (pts.)	99.5	92.9	105.7	108.6	111.1	112.1	1.1
<b>Utilities:</b>								
Telephone communications . . . . .	481	106.2	113.3	142.2	148.1	159.4	160.2	4.8
Radio and television broadcasting . . . . .	483	103.1	104.9	110.1	109.6	105.9	101.3	0.1
Cable and other pay TV services . . . . .	484	102.0	92.5	83.3	84.3	81.6	84.1	-1.7
Electric utilities . . . . .	491,3(pt.)	104.9	110.1	126.8	135.0	146.5	150.5	4.2
Gas utilities . . . . .	492,3(pt.)	105.5	94.8	102.2	107.5	116.0	119.9	1.8
<b>Trade:</b>								
Lumber and other building materials dealers . . . . .	521	101.0	103.6	117.9	117.0	121.5	124.0	2.2
Paint, glass, and wallpaper stores . . . . .	523	102.8	106.0	124.6	126.8	132.1	132.3	2.8
Hardware stores . . . . .	525	108.6	110.5	114.2	110.7	115.2	115.8	1.5
Retail nurseries, lawn and garden supply stores . . . . .	526	106.7	83.9	116.6	117.1	136.6	119.3	1.8
Department stores . . . . .	531	99.2	94.2	111.2	113.4	121.0	125.7	2.3
Variety stores . . . . .	533	101.9	151.2	191.8	205.8	232.6	246.1	9.4
Miscellaneous general merchandise stores . . . . .	539	100.8	116.4	160.9	164.0	165.1	165.7	5.2
Grocery stores . . . . .	541	98.9	94.6	92.9	91.9	90.2	89.1	-1.2
Retail bakeries . . . . .	546	89.8	89.7	90.1	91.2	87.3	97.6	-0.2
New and used car dealers . . . . .	551	103.4	106.1	108.7	107.1	108.2	107.3	0.7
Auto and home supply stores . . . . .	553	103.2	102.7	107.0	112.6	113.9	109.7	0.9
Gasoline service stations . . . . .	554	103.0	102.6	116.5	120.4	117.2	116.5	1.5
Men's and boys' wear stores. . . . .	561	106.0	113.7	118.1	117.9	126.3	139.1	3.4
Women's clothing stores . . . . .	562	97.8	101.5	115.8	122.8	133.6	134.1	3.0
Family clothing stores . . . . .	565	102.0	104.5	121.2	135.2	140.5	143.2	3.7
Shoe stores . . . . .	566	102.7	106.1	124.4	131.5	142.6	143.5	3.7
Miscellaneous apparel and accessory stores . . . . .	569	96.3	88.6	105.4	131.2	139.9	128.0	2.5
Furniture and homefurnishings stores . . . . .	571	98.6	101.8	110.5	114.7	122.5	125.7	2.3
Household appliance stores . . . . .	572	98.5	102.8	116.8	131.6	132.0	149.4	4.1
Radio, television, computer, and music stores . . . . .	573	118.6	119.6	178.8	200.0	209.3	220.4	8.2
Eating and drinking places . . . . .	581	102.8	104.0	98.9	97.6	95.2	93.7	-0.6
Drug and proprietary stores . . . . .	591	101.9	103.6	104.5	105.2	107.5	113.8	1.3
Liquor stores . . . . .	592	98.2	105.2	98.1	102.0	110.3	107.8	0.8
Used merchandise stores . . . . .	593	105.3	100.3	111.6	111.6	121.6	122.1	2.0
Miscellaneous shopping goods stores. . . . .	594	100.7	104.2	111.5	117.2	119.5	124.5	2.2
Nonstore retailers . . . . .	596	105.6	108.8	130.6	125.7	138.3	148.0	4.0
Fuel dealers. . . . .	598	95.6	84.4	99.7	112.3	113.3	106.5	0.6
Retail stores, n.e.c. <sup>3</sup> . . . . .	599	105.9	113.7	121.3	120.5	130.6	137.8	3.3
<b>Finance and services:</b>								
Commercial banks . . . . .	602	102.8	107.7	122.3	127.6	130.9	134.1	3.0
Hotels and motels . . . . .	701	97.6	96.1	109.6	110.1	109.7	107.9	0.8
Laundry, cleaning, and garment services. . . . .	721	97.2	101.8	104.0	105.5	108.7	108.1	0.8
Photographic studios, portrait Beauty shops . . . . .	722	100.1	96.6	117.4	129.3	126.4	135.4	3.1
Funeral services and crematories. . . . .	723	95.1	96.8	99.8	103.5	106.3	108.9	0.9
Automotive repair shops. . . . .	726	102.5	90.9	103.8	99.7	97.1	101.3	0.1
Motion picture theaters . . . . .	753	105.7	106.9	112.3	119.5	114.1	115.8	1.5
	783	107.1	115.8	106.5	101.4	100.4	100.8	0.1

NA Not available. <sup>1</sup> 1987 Standard Industrial Classification; see text, Section 17, Business. <sup>2</sup> Average annual percent change, 1987 to current year, based on compound rate formula. <sup>3</sup> N.e.c. means not elsewhere classified. <sup>4</sup> Refers to output per full-time equivalent employee years on fiscal basis. <sup>5</sup> Refers to output per employee.

Source: U.S. Bureau of Labor Statistics, Internet site <<http://stats.bls.gov/iprhome.htm>>.

## No. 695. Productivity and Related Measures: 1970 to 1998

[See text, this section, Labor Force. Minus sign (-) indicates decrease]

Item	1970	1980	1985	1990	1994	1995	1996	1997	1998
<b>INDEXES (1992=100)</b>									
Output per hour, business sector . . . . .	70.6	84.2	91.7	96.1	100.7	101.0	103.7	105.2	107.8
Nonfarm business . . . . .	72.7	86.0	92.3	96.3	100.6	101.2	103.7	104.9	107.3
Manufacturing . . . . .	54.4	70.4	82.8	93.0	105.3	109.4	113.8	119.4	124.4
Output, <sup>1</sup> business sector . . . . .	52.0	73.0	85.7	98.6	107.0	109.9	114.5	119.8	125.3
Nonfarm business . . . . .	52.1	73.4	85.8	98.8	107.0	110.2	114.8	119.9	125.5
Manufacturing . . . . .	56.8	75.7	86.6	97.5	109.1	113.8	118.0	125.7	130.9
Hours, <sup>2</sup> business sector . . . . .	73.6	86.6	93.5	102.6	106.2	108.8	110.4	113.8	116.3
Nonfarm business . . . . .	71.8	85.4	92.9	102.6	106.3	108.9	110.7	114.3	117.0
Manufacturing . . . . .	104.4	107.5	104.6	104.8	103.6	104.0	103.7	105.3	105.2
Compensation per hour, <sup>3</sup> business sector . . . . .	23.6	54.5	73.1	90.8	104.4	106.8	110.7	114.7	119.7
Nonfarm business . . . . .	23.8	54.8	73.4	90.7	104.2	106.7	110.4	114.3	119.1
Manufacturing . . . . .	23.8	55.8	75.3	91.0	105.8	108.3	110.7	115.3	120.4
Real hourly compensation, <sup>3</sup> business sector . . . . .	85.4	92.8	95.3	97.4	98.8	98.4	99.0	100.3	103.0
Nonfarm business . . . . .	86.1	93.4	95.7	97.3	98.7	98.2	98.7	99.9	102.5
Manufacturing . . . . .	86.2	95.0	98.2	97.7	100.1	99.7	99.0	100.8	103.7
Unit labor costs, <sup>4</sup> business sector . . . . .	33.5	64.7	79.7	94.4	103.7	105.8	106.8	109.0	111.1
Nonfarm business . . . . .	32.8	63.8	79.5	94.2	103.6	105.4	106.5	108.9	111.0
Manufacturing . . . . .	43.8	79.3	91.0	97.9	100.5	99.0	97.2	96.6	96.8
<b>ANNUAL PERCENT CHANGE <sup>5</sup></b>									
Output per hour, business sector . . . . .	2.0	-0.3	1.6	0.7	0.6	0.3	2.7	1.5	2.4
Nonfarm business . . . . .	1.4	-0.4	1.0	0.5	0.5	0.6	2.4	1.2	2.2
Manufacturing . . . . .	1.1	0.3	3.8	2.5	3.0	3.9	4.1	4.9	4.2
Output, <sup>1</sup> business sector . . . . .	-0.1	-1.2	3.9	0.8	4.1	2.7	4.2	4.6	4.6
Nonfarm business . . . . .	-0.2	-1.2	3.6	0.7	3.9	3.0	4.1	4.5	4.6
Manufacturing . . . . .	-4.8	-4.3	3.0	0.4	5.3	4.3	3.7	6.5	4.1
Hours, <sup>2</sup> business sector . . . . .	-2.0	-0.9	2.2	0.2	3.5	2.4	1.5	3.1	2.2
Nonfarm business . . . . .	-1.6	-0.8	2.5	0.3	3.3	2.4	1.6	3.2	2.4
Manufacturing . . . . .	-5.9	-4.6	-0.7	-2.1	2.2	0.4	-0.4	1.6	-0.1
Compensation per hour, <sup>3</sup> business sector . . . . .	7.8	10.8	4.9	5.7	1.8	2.3	3.6	3.6	4.3
Nonfarm business . . . . .	7.2	10.8	4.6	5.5	1.9	2.4	3.5	3.5	4.2
Manufacturing . . . . .	7.1	11.9	5.4	4.7	2.8	2.4	2.2	4.2	4.5
Real hourly compensation, <sup>3</sup> business sector . . . . .	1.9	-2.4	1.3	0.3	-0.7	-0.5	0.7	1.2	2.7
Nonfarm business . . . . .	1.4	-2.4	1.0	0.1	-0.6	-0.5	0.6	1.2	2.6
Manufacturing . . . . .	1.3	-1.4	1.8	-0.6	0.2	-0.4	-0.8	1.8	2.9
Unit labor costs, <sup>4</sup> business sector . . . . .	6.7	11.1	3.2	5.0	1.2	2.0	0.9	2.1	1.9
Nonfarm business . . . . .	5.7	11.2	3.6	5.0	1.4	1.8	1.1	2.3	1.9
Manufacturing . . . . .	5.9	11.6	1.6	2.2	-0.3	-1.4	-1.8	-0.7	0.2

<sup>1</sup> Refers to gross sectoral product, annual weighted. <sup>2</sup> Hours at work of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. <sup>3</sup> Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. Real compensation deflated by the consumer price index for all urban consumers, see text, Section 15, Prices. <sup>4</sup> Hourly compensation divided by output per hour. <sup>5</sup> All changes are from the immediate prior year.

Source: U.S. Bureau of Labor Statistics, News USDL 99-53, Productivity and Costs; and Internet site <<http://stats.bls.gov/lprhome.htm>>.

## No. 696. Workers Using Computers on the Job: 1993 and 1997

[In percent, except as indicated (51,106 represents 51,106,000). For workers 18 years old and over. Based on the Current Population Survey and subject to sampling error; see Appendix III and source]

Characteristic	Number using computers <sup>1</sup> (1,000)	Type of application							
		Percent of total	Analysis/spread-sheets	Book-keeping/inventory	Com-munications <sup>2</sup>	Data-bases	Desktop publishing	Sales and telemar-keting	Word processing
<b>Total, 1993 . . . . .</b>	<b>51,106</b>	<b>45.8</b>	<b>36.1</b>	<b>45.0</b>	<b>38.7</b>	<b>34.5</b>	<b>22.3</b>	<b>16.2</b>	<b>44.4</b>
<b>Total, 1997 . . . . .</b>	<b>63,885</b>	<b>49.8</b>	<b>40.9</b>	<b>66.4</b>	<b>47.0</b>	<b>34.1</b>	<b>26.1</b>	<b>22.1</b>	<b>57.0</b>
<b>Age:</b>									
18 to 24 years old . . . . .	6,007	37.1	28.2	70.3	35.3	23.4	18.4	23.5	43.1
25 to 29 years old . . . . .	7,984	52.5	41.7	69.8	46.6	35.0	25.8	23.4	58.3
30 to 39 years old . . . . .	18,864	53.3	44.0	67.0	49.1	35.4	28.3	24.0	58.5
40 to 49 years old . . . . .	18,182	54.9	43.6	65.8	48.6	36.9	27.1	20.6	58.9
50 to 59 years old . . . . .	10,092	50.7	39.1	62.8	49.0	33.5	26.1	19.6	58.8
60 years old and over . . . . .	2,755	32.6	33.5	62.1	42.2	28.8	21.6	21.3	54.1
<b>Sex:</b> Male . . . . .	30,336	44.1	46.5	64.3	51.4	36.8	29.4	24.6	53.9
Female . . . . .	33,549	56.5	35.8	68.3	43.1	31.6	23.1	19.9	59.8
<b>Occupation:</b>									
Executive, admin., managerial . . . . .	14,528	77.5	60.1	76.3	61.4	47.2	32.6	30.9	74.5
Professional specialty . . . . .	13,900	71.7	44.4	45.1	55.8	37.8	40.3	9.8	68.7
Teachers, below college . . . . .	2,961	60.3	33.1	31.9	39.7	27.5	42.3	4.6	73.6
Teachers, college and univ. . . . .	759	79.9	51.5	27.1	74.6	40.2	41.3	5.4	83.5
Technical/related support . . . . .	3,226	75.1	42.9	51.8	49.4	36.9	26.1	7.7	49.6
Sales workers . . . . .	8,277	54.8	38.4	83.0	43.0	31.3	21.0	57.2	46.1
Admin. support, inc. clerical . . . . .	14,235	77.6	31.4	75.0	39.4	28.3	17.0	15.9	56.2
Service workers . . . . .	2,752	16.4	15.7	52.3	27.6	17.4	9.6	11.0	34.4
Precision prod., craft/repair . . . . .	3,501	25.0	29.6	62.8	31.6	22.5	18.2	11.1	29.0
Operators, laborers <sup>3</sup> . . . . .	3,154	17.3	19.1	63.1	21.3	14.6	12.6	9.2	17.4
Farming, forestry and fishing . . . . .	311	9.3	40.2	79.3	22.8	33.0	11.2	19.1	33.7

<sup>1</sup> Includes other applications, not shown separately. A person may be counted in more than one application. <sup>2</sup> Includes bulletin boards and electronic mail. <sup>3</sup> Includes fabricators.

Source: U.S. National Center for Education Statistics, *Digest of Education Statistics, 1994 and 1998*.

## No. 697. Annual Total Compensation and Wages and Salary Accruals Per Full-Time Equivalent Employee, by Industry: 1990 to 1997

[In dollars. Wage and salary accruals include executives' compensation, bonuses, tips, and payments-in-kind; total compensation includes in addition to wages and salaries, employer contributions for social insurance, employer contributions to private and well-fare funds, director's fees, jury and witness fees, etc. Based on the 1987 Standard Industrial Classification Code (SIC); See text, Section 17, Business]

Industry	Annual total compensation				Annual wages and salary			
	1990	1995	1996	1997	1990	1995	1996	1997
<b>Domestic industries . . . . .</b>	<b>32,093</b>	<b>37,783</b>	<b>38,792</b>	<b>40,249</b>	<b>26,396</b>	<b>30,902</b>	<b>32,034</b>	<b>33,438</b>
Agriculture, forestry, and fisheries . . . . .	18,638	21,076	21,819	22,892	16,014	18,200	19,017	19,951
Mining . . . . .	46,053	57,143	58,809	61,303	38,081	46,624	48,353	50,910
Construction . . . . .	33,701	37,358	38,377	39,650	27,832	30,444	31,641	32,944
Manufacturing . . . . .	37,048	44,750	45,672	47,856	30,148	35,803	37,256	39,291
Transportation . . . . .	36,636	40,756	41,634	42,934	29,019	32,264	33,285	34,507
Communication . . . . .	46,481	59,678	60,913	63,107	38,930	49,525	50,756	52,872
Electric, gas, and sanitary services . . . . .	48,057	61,006	62,616	65,228	39,538	48,831	50,438	52,663
Wholesale trade . . . . .	37,394	44,526	46,076	48,154	31,810	37,812	39,319	41,272
Retail trade . . . . .	18,678	21,238	21,731	22,484	16,065	18,296	18,823	19,562
Finance, insurance, and real estate . . . . .	37,905	49,554	53,314	56,689	32,071	41,674	45,237	48,283
Services . . . . .	29,141	34,051	34,822	35,955	24,996	29,003	29,973	31,184
Government . . . . .	37,142	44,877	46,282	47,683	28,195	33,930	34,958	36,091

Source: U.S. Bureau of Economic Analysis, *National Income and Product Accounts of the United States, 1929-94*, vol.2; and *Survey of Current Business*, August 1998.

## No. 698. Average Hourly and Weekly Earnings, by Private Industry Group: 1980 to 1998

[Average earnings include overtime. Data are for production and related workers in mining, manufacturing, and construction, and non-supervisory employees in other industries. Excludes agriculture. See headnote, Table 688]

Private industry group	Current dollars					Constant (1982) dollars <sup>1</sup>				
	1980	1985	1990	1995	1998	1980	1985	1990	1995	1998
<b>AVERAGE HOURLY EARNINGS</b>										
<b>Total . . . . .</b>	<b>6.66</b>	<b>8.57</b>	<b>10.01</b>	<b>11.43</b>	<b>12.77</b>	<b>7.78</b>	<b>7.77</b>	<b>7.52</b>	<b>7.39</b>	<b>7.75</b>
Mining . . . . .	9.17	11.98	13.68	15.30	16.95	10.71	10.86	10.28	9.90	10.29
Construction . . . . .	9.94	12.32	13.77	15.09	16.56	11.61	11.17	10.35	9.76	10.05
Manufacturing . . . . .	7.27	9.54	10.83	12.37	13.49	8.49	8.65	8.14	8.00	8.19
Transportation, public utilities . . . . .	8.87	11.40	12.92	14.13	15.34	10.36	10.34	9.17	9.14	9.31
Wholesale trade . . . . .	6.95	9.15	10.79	12.43	14.01	8.12	8.30	8.11	8.04	8.50
Retail trade . . . . .	4.88	5.94	6.75	7.69	8.75	5.70	5.39	5.07	4.97	5.31
Finance, insurance, real estate . . . . .	5.79	7.94	9.97	12.32	14.06	6.76	7.20	7.49	7.97	8.53
Services . . . . .	5.85	7.90	9.83	11.39	12.84	6.83	7.16	7.39	7.37	7.79
<b>AVERAGE WEEKLY EARNINGS</b>										
<b>Total . . . . .</b>	<b>235</b>	<b>299</b>	<b>345</b>	<b>394</b>	<b>442</b>	<b>275</b>	<b>271</b>	<b>259</b>	<b>255</b>	<b>268</b>
Mining . . . . .	397	520	603	684	744	464	471	453	442	452
Construction . . . . .	368	464	526	587	643	430	421	395	380	390
Manufacturing . . . . .	289	386	442	515	563	337	350	332	333	341
Transportation, public utilities . . . . .	351	450	496	557	606	410	408	373	360	368
Wholesale trade . . . . .	267	351	411	476	538	312	319	309	308	326
Retail trade . . . . .	147	175	194	221	255	172	158	146	143	155
Finance, insurance, real estate . . . . .	210	289	357	442	512	245	262	268	286	311
Services . . . . .	191	257	319	369	420	223	233	240	239	255

<sup>1</sup> Earnings in current dollars divided by the Consumer Price Index (CPI-W) on a 1982 base; see text, Section 15, Prices.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, March and June issues; and Internet site <<http://stats.bls.gov/ceshome.htm>>

## No. 699. Annual Percent Changes in Earnings and Compensation: 1980 to 1998

[Annual percent change from immediate prior year. Minus sign (-) indicates decrease]

Item	1980	1985	1990	1993	1994	1995	1996	1997	1998
<b>Current dollars:</b>									
Hourly earnings, total <sup>1</sup> . . . . .	8.1	3.0	3.6	2.5	2.7	2.8	3.4	3.9	4.0
Hourly earnings, manufacturing <sup>2</sup> . . . . .	8.5	3.8	3.3	2.4	2.8	2.5	3.2	3.1	2.4
Compensation per employee-hour <sup>3</sup> . . . . .	10.7	4.5	5.4	2.2	1.9	2.3	3.5	3.5	4.2
<b>Constant (1982) dollars:</b>									
Hourly earnings, total <sup>1</sup> . . . . .	-4.8	-0.4	-1.6	-0.3	0.1	-0.1	0.5	1.6	2.6
Hourly earnings, manufacturing <sup>2</sup> . . . . .	-4.5	0.3	-1.7	-0.4	0.2	-0.4	0.4	0.9	1.1
Compensation per employee-hour <sup>3</sup> . . . . .	-2.5	0.9	0.0	-0.7	-0.7	-0.5	0.6	1.2	2.6
Consumer Price Index (CPI-U) <sup>4</sup> . . . . .	13.5	3.6	5.4	3.0	2.6	2.8	3.0	2.3	1.6

<sup>1</sup> Production or nonsupervisory workers on private nonfarm payrolls. <sup>2</sup> Production and related workers. <sup>3</sup> Nonfarm business sector. <sup>4</sup> See text, Section 15, Prices.

Source: U.S. Bureau of Labor Statistics, News USDL 99-53, *Productivity and Costs*.

## No. 700. Average Annual Pay, by State: 1996 and 1997

[In dollars, except percent change. For workers covered by state unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees, approximately 97 percent of wage and salary civilian employment in 1997. Excludes most agricultural workers on small farms, all Armed Forces, elected officials in most states, railroad employees, most domestic workers, most student workers at school, employees of certain nonprofit organizations, and most self-employed individuals. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities.]

State	Average annual pay		Percent change, 1996-97	State	Average annual pay		Percent change, 1996-97
	1996 <sup>1</sup>	1997, prel.			1996 <sup>1</sup>	1997, prel.	
<b>United States . . . . .</b>	<b>28,946</b>	<b>30,336</b>	<b>4.8</b>	Missouri . . . . .	26,601	27,782	4.4
Alabama . . . . .	25,180	26,138	3.8	Montana . . . . .	21,146	21,947	3.8
Alaska . . . . .	32,461	33,157	2.1	Nebraska . . . . .	23,294	24,566	5.5
Arizona . . . . .	26,387	27,654	4.8	Nevada . . . . .	27,788	28,677	3.2
Arkansas . . . . .	22,294	23,268	4.4	New Hampshire . . . . .	27,691	29,296	5.8
California . . . . .	31,776	33,485	5.4	New Jersey . . . . .	35,928	37,513	4.4
Colorado . . . . .	28,520	30,067	5.4	New Mexico . . . . .	23,716	24,684	4.1
Connecticut . . . . .	36,592	38,895	6.3	New York . . . . .	36,816	38,497	4.6
Delaware . . . . .	30,711	32,185	4.8	North Carolina . . . . .	25,410	26,672	5.0
District of Columbia . . . . .	44,458	46,775	5.2	North Dakota . . . . .	21,242	22,047	3.8
Florida . . . . .	25,641	26,569	3.6	Ohio . . . . .	27,776	29,088	4.7
Georgia . . . . .	27,492	29,020	5.6	Oklahoma . . . . .	23,329	24,243	3.9
Hawaii . . . . .	27,363	28,358	3.6	Oregon . . . . .	27,028	28,420	5.2
Idaho . . . . .	23,353	24,053	3.0	Pennsylvania . . . . .	28,973	30,161	4.1
Illinois . . . . .	31,296	33,018	5.5	Rhode Island . . . . .	27,194	28,664	5.4
Indiana . . . . .	26,477	27,633	4.4	South Carolina . . . . .	24,049	25,004	4.0
Iowa . . . . .	23,679	24,811	4.8	South Dakota . . . . .	20,724	21,645	4.4
Kansas . . . . .	24,609	25,693	4.4	Tennessee . . . . .	25,963	27,235	4.9
Kentucky . . . . .	24,463	25,574	4.5	Texas . . . . .	28,129	29,690	5.6
Louisiana . . . . .	24,541	25,754	4.9	Utah . . . . .	24,572	25,689	4.5
Maine . . . . .	23,850	24,899	4.4	Vermont . . . . .	24,480	25,496	4.1
Maryland . . . . .	30,295	31,765	4.9	Virginia . . . . .	28,003	29,548	5.5
Massachusetts . . . . .	33,937	35,710	5.2	Washington . . . . .	28,881	30,768	6.5
Michigan . . . . .	31,522	32,761	3.9	West Virginia . . . . .	24,075	24,716	2.7
Minnesota . . . . .	28,866	30,254	4.8	Wisconsin . . . . .	26,021	27,327	5.0
Mississippi . . . . .	21,822	22,772	4.4	Wyoming . . . . .	22,870	23,864	4.3

<sup>1</sup> Revised since originally published.

Source: U.S. Bureau of Labor Statistics, News USDL 99-171, June 23, 1999, *Average Annual Pay by State and Industry*.

## No. 701. Average Annual Pay, by Selected Metropolitan Areas: 1996 and 1997

[In dollars. Metropolitan areas ranked by average pay 1997. Includes data for Metropolitan Statistical Areas and Primary Metropolitan Statistical Areas defined as of June 30, 1996. In the New England areas, the New England County Metropolitan Area (NECMA) definitions were used. See source for details. See also headline, Table 700.]

Metropolitan area	1996	1997, prel.	Metropolitan area	1996	1997, prel.
<b>Metropolitan areas . . . . .</b>	<b>30,238</b>	<b>31,717</b>	Saginaw-Bay City-Midland, MI . . . . .	31,117	32,117
San Jose, CA . . . . .	44,824	48,702	Portland-Vancouver, OR-WA . . . . .	29,935	31,606
New York, NY . . . . .	45,007	47,281	Rochester, MN . . . . .	30,662	31,517
San Francisco, CA . . . . .	40,017	42,583	Monmouth-Ocean, NJ . . . . .	29,919	31,506
New Haven-Bridgeport-Stamford-Waterbury-Danbury, CT . . . . .	39,495	42,485	Rochester, NY . . . . .	30,235	31,353
Middlesex-Somerset-Hunterdon, NJ . . . . .	39,630	41,796	Baltimore, MD . . . . .	29,957	31,326
Newark, NJ . . . . .	38,894	40,411	Springfield, IL . . . . .	29,700	31,171
Trenton, NJ . . . . .	37,598	39,835	Dutchess County, NY . . . . .	30,546	31,104
Bergen-Passaic, NJ . . . . .	36,845	38,509	Cleveland-Lorain-Elyria, OH . . . . .	29,705	31,089
Washington, DC-MD-VA-WV . . . . .	36,385	38,487	Austin-San Marcos, TX . . . . .	28,702	31,059
Jersey City, NJ . . . . .	36,833	38,455	Sacramento, CA . . . . .	29,560	31,028
Detroit, MI . . . . .	35,747	37,126	St. Louis, MO-IL . . . . .	29,474	30,995
Hartford, CT . . . . .	34,844	36,643	Raleigh-Durham-Chapel Hill, NC . . . . .	29,091	30,908
Oakland, CA . . . . .	34,427	36,377	Charlotte-Gastonia-Rock Hill, NC-SC . . . . .	29,287	30,826
Seattle-Bellevue-Everett, WA . . . . .	33,586	36,311	Yolo, CA . . . . .	29,067	30,739
Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH . . . . .	34,357	36,210	Lansing-East Lansing, MI . . . . .	29,101	30,688
Chicago, IL . . . . .	33,910	35,894	Milwaukee-Waukesha, WI . . . . .	29,076	30,673
Kokomo, IN . . . . .	34,787	35,815	Bloomington-Normal, IL . . . . .	29,970	30,587
Dallas, TX . . . . .	32,983	35,012	Indianapolis, IN . . . . .	29,133	30,517
Houston, TX . . . . .	32,895	34,930	Cincinnati, OH-KY-IN . . . . .	29,022	30,492
Los Angeles-Long Beach, CA . . . . .	33,476	34,846	Ventura, CA . . . . .	28,289	30,454
Wilmington-Newark, DE-MD . . . . .	33,220	34,841	San Diego, CA . . . . .	28,845	30,364
Anchorage, AK . . . . .	33,501	34,788	Pittsburgh, PA . . . . .	29,060	30,363
Philadelphia, PA-NJ . . . . .	33,076	34,375	Racine, WI . . . . .	27,973	30,341
Nassau-Suffolk, NY . . . . .	32,879	34,341	Dayton-Springfield, OH . . . . .	28,486	30,312
Orange County, CA . . . . .	32,179	33,767	Fort Worth-Arlington, TX . . . . .	28,515	30,040
Flint, MI . . . . .	33,294	33,640	Richmond-Petersburg, VA . . . . .	28,704	30,025
Minneapolis-St. Paul, MN-WI . . . . .	31,935	33,577	Nashville, TN . . . . .	28,143	29,880
Denver, CO . . . . .	31,614	33,374	West Palm Beach-Boca Raton, FL . . . . .	29,057	29,821
Atlanta, GA . . . . .	31,337	33,259	Kansas City, MO-KS . . . . .	28,772	29,819
Boulder-Longmont, CO . . . . .	30,968	33,198	Albany-Schenectady-Troy, NY . . . . .	28,712	29,725
New London-Norwich, CT . . . . .	32,003	33,043	Allentown-Bethlehem-Easton, PA . . . . .	28,759	29,699
Ann Arbor, MI . . . . .	31,041	32,643	Birmingham, AL . . . . .	28,511	29,637
Huntsville, AL . . . . .	31,472	32,543	Grand Rapids-Muskegon-Holland, MI . . . . .	28,486	29,632
Brazoria, TX . . . . .	30,781	32,205	Decatur, IL . . . . .	28,425	29,525
			Honolulu, HI . . . . .	28,336	29,511
			Janesville-Beloit, WI . . . . .	27,832	29,457

Source: U.S. Bureau of Labor Statistics, News USDL 99-232, August 25, 1999 *Average Annual Pay Levels in Metropolitan Areas*.

## No. 702. Full-Time Wage and Salary Workers—Number and Earnings: 1985 to 1998

[In current dollars of usual weekly earnings. Data represent annual averages (77,002 represents 77,002,000). See text, this section, and headline Table 666, for a discussion of occupational data. Based on Current Population Survey; see text, Section 1, Population, and Appendix III. For definition of median, see Guide to Tabular Presentation]

Characteristic	Number of workers (1,000)				Median weekly earnings (dol.)			
	1985	1990 <sup>1</sup>	1995 <sup>1</sup>	1998 <sup>1</sup>	1985	1990 <sup>1</sup>	1995 <sup>1</sup>	1998 <sup>1</sup>
<b>All workers</b> <sup>2</sup>	77,002	85,804	89,282	95,595	343	412	479	523
Male	45,589	49,564	51,222	54,313	406	481	538	598
16 to 24 years old	6,956	6,824	6,118	6,325	240	282	303	334
25 years old and over	38,632	42,740	45,104	47,988	442	512	588	639
Female	31,414	36,239	38,060	41,282	277	346	406	456
16 to 24 years old	5,621	5,227	4,366	4,721	210	254	275	305
25 years old and over	25,793	31,012	33,695	36,561	296	369	428	485
White	66,481	72,811	74,874	79,403	355	424	494	545
Male	40,030	42,797	43,747	46,087	417	494	566	615
Female	26,452	30,014	31,127	33,316	281	353	415	468
Black	8,393	9,820	10,596	11,776	277	329	383	426
Male	4,367	4,983	5,279	5,751	304	361	411	468
Female	4,026	4,837	5,317	6,025	252	308	355	400
Hispanic origin <sup>3</sup>	(NA)	7,812	8,719	10,532	(NA)	304	329	370
Male	(NA)	5,000	5,597	6,716	(NA)	318	350	390
Female	(NA)	2,812	3,122	3,816	(NA)	278	305	337
Occupation, male:								
Managerial and professional	11,078	12,255	13,684	14,941	583	729	829	905
Exec., admin., managerial	5,835	6,389	7,172	7,746	593	740	833	915
Professional specialty	5,243	5,866	6,512	7,195	571	719	827	895
Technical, sales, and administrative support	8,803	9,677	9,894	10,439	420	493	556	606
Tech. and related support	1,563	1,762	1,688	1,773	472	567	641	701
Sales	4,227	4,692	5,000	5,299	431	502	579	622
Admin. support, incl. clerical	3,013	3,224	3,206	3,368	391	436	489	518
Service	3,947	4,602	4,779	5,291	272	317	357	389
Private household	13	12	15	19	(B)	(B)	(B)	(B)
Protective	1,327	1,531	1,691	1,817	391	477	552	613
Other service	2,607	3,059	3,073	3,455	230	271	300	325
Precision production <sup>4</sup>	10,026	10,259	10,046	10,741	408	486	534	587
Mechanics and repairers	3,752	3,687	3,658	3,926	400	475	538	599
Construction trades	3,308	3,650	3,541	3,989	394	478	507	545
Other	2,966	2,922	2,847	2,826	433	508	574	611
Operators, fabricators and laborers	10,585	11,464	11,529	11,564	325	375	413	456
Machine operators, assemblers, and inspectors	4,403	4,594	4,576	4,482	341	387	421	472
Transportation and material moving	3,459	3,752	3,870	3,977	369	416	482	519
Handlers, equipment cleaners, helpers, and laborers	2,724	3,118	3,083	3,105	261	306	328	362
Farming, forestry, and fishing	1,150	1,306	1,290	1,337	216	261	294	307
Occupation, female:								
Managerial and professional	8,302	10,575	12,609	14,363	399	510	605	655
Exec., admin., managerial	3,492	4,758	5,803	6,705	383	484	570	626
Professional specialty	4,810	5,816	6,806	7,658	408	534	632	682
Technical, sales, and administrative support	14,622	16,290	16,004	16,933	269	331	383	419
Tech. and related support	1,200	1,476	1,506	1,734	331	417	480	511
Sales	2,929	3,554	3,862	4,338	226	290	330	372
Admin. support, incl. clerical	10,494	11,260	10,636	10,862	270	332	384	418
Service	3,963	4,577	4,838	5,301	185	230	264	296
Private household	330	305	324	362	130	171	193	220
Protective	156	217	266	323	278	405	438	481
Other service	3,477	4,055	4,249	4,616	188	230	264	295
Precision production <sup>4</sup>	906	900	957	949	268	316	371	408
Mechanics and repairers	144	139	150	155	392	458	550	519
Construction trades	53	50	66	64	265	393	400	408
Other	709	711	741	730	253	299	346	392
Operators, fabricators, and laborers	3,482	3,722	3,462	3,518	216	261	297	327
Machine operators, assemblers, and inspectors	2,778	2,878	2,559	2,505	216	259	296	328
Transportation and material moving	189	227	261	345	252	314	354	373
Handlers, equipment cleaners, helpers and laborers	514	616	642	669	209	249	284	311
Farming, forestry, and fishing	138	175	190	218	185	216	249	272

B Data not shown where base is less than 50,000. NA Not available. <sup>1</sup> See footnote 2, Table 649. <sup>2</sup> Includes other races, not shown separately. <sup>3</sup> Persons of Hispanic origin may be of any race. <sup>4</sup> Includes craft and repair.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, monthly, January issues; and unpublished data.



## No. 703. Workers With Earnings, by Occupation of Longest Held Job and Sex: 1997

[Covers persons 15 years old and over as of **March 1997 (67,736 represents 67,736,000)**. Based on Current Population Survey; see text, Section 1, Population, and Appendix III. For definition of median, see Guide to Tabular Presentation]

Major occupation of longest job held	All workers				Year round, full time			
	Women		Men		Women		Men	
	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings
<b>Total</b> <sup>1</sup>	<b>67,736</b>	<b>16,716</b>	<b>76,694</b>	<b>26,843</b>	<b>37,683</b>	<b>24,973</b>	<b>54,909</b>	<b>33,674</b>
Executive, administrators, and managerial	8,852	29,301	10,448	45,970	6,611	33,037	9,046	50,149
Professional specialty	11,176	29,257	9,639	44,401	6,679	35,417	7,516	50,402
Technical and related support	2,580	23,733	2,074	34,751	1,735	27,576	1,591	37,705
Sales	9,244	10,535	8,566	27,550	4,077	21,392	6,108	35,655
Admin. support, incl. clerical	16,188	17,825	4,312	23,126	9,790	22,474	3,035	29,442
Precision production, craft and repair	1,364	16,466	14,176	27,429	865	21,649	10,629	31,496
Machine operators, assemblers, and inspectors	3,347	14,411	5,249	23,991	2,090	17,683	4,026	26,969
Transportation and material moving	591	12,345	5,216	23,739	247	21,024	3,641	28,227
Handlers, equipment cleaners, helpers, and laborers	1,159	9,056	4,806	12,469	465	15,774	2,304	21,475
Service workers	12,376	8,603	8,481	13,145	4,807	15,964	4,703	22,335
Private household	982	4,852	37	(B)	225	12,648	7	(B)
Service, except private household	11,395	9,072	8,444	13,207	4,583	16,120	4,696	22,359
Farming, forestry, and fishing	742	6,235	3,013	11,645	223	17,301	1,651	17,394

B Base less than 75,000. <sup>1</sup> Includes persons whose longest job was in the Armed Forces.

Source: U.S. Census Bureau, *Current Population Reports* P60-200.

## No. 704. Employment Cost Index (ECI), Compensation by Industry and Occupation: 1982 to 1998

[As of **December**. The ECI is a measure of the rate of change in employee compensation (wages, salaries, and employer costs for employee benefits). Data are not seasonally adjusted: 1982-1985 based on fixed employment counts from 1970 Census of Population; 1986-94 based on fixed employment counts from the 1980 Census of Population; Beginning 1995 based primarily on 1990 Occupational Employment Survey]

Item	Indexes (June 1989=100)						Percent change for 12 months ending Dec.—				
	1982	1985	1990	1995	1997	1998	1985	1990	1995	1997	1998
<b>Civilian workers</b> <sup>1</sup>	<b>74.8</b>	<b>86.8</b>	<b>107.6</b>	<b>127.2</b>	<b>135.2</b>	<b>139.8</b>	<b>4.3</b>	<b>4.9</b>	<b>2.7</b>	<b>3.3</b>	<b>3.4</b>
Workers, by occupational group:											
White-collar occupations	72.9	85.8	108.3	128.0	136.5	141.4	4.9	5.2	2.9	3.5	3.6
Blue-collar occupations	78.2	88.4	106.5	125.8	132.4	136.1	3.3	4.4	2.5	2.6	2.8
Service occupations	74.3	87.2	108.0	127.4	135.6	140.0	3.9	5.1	2.5	3.5	3.2
Workers, by industry division:											
Manufacturing	76.9	87.8	107.2	128.3	135.3	138.9	3.3	5.1	2.6	2.4	2.7
Nonmanufacturing	73.9	86.4	107.8	126.8	135.1	139.9	4.7	4.9	2.8	3.5	3.6
Service industries	70.5	84.1	110.2	129.4	137.6	141.7	4.7	6.3	2.4	3.3	3.0
Public administration <sup>2</sup>	71.9	85.4	108.7	128.3	135.1	139.9	4.9	5.3	3.3	2.5	3.6
<b>Private industry workers</b> <sup>3</sup>	<b>75.8</b>	<b>87.3</b>	<b>107.0</b>	<b>126.7</b>	<b>135.1</b>	<b>139.8</b>	<b>3.9</b>	<b>4.6</b>	<b>2.6</b>	<b>3.4</b>	<b>3.5</b>
Workers, by occupational group:											
White-collar occupations	73.7	86.4	107.4	127.6	136.7	142.0	4.9	4.9	2.8	3.8	3.9
Blue-collar occupations	78.4	88.5	106.4	125.6	132.3	135.9	3.1	4.4	2.4	2.6	2.7
Service occupations	76.3	88.4	107.3	125.2	134.1	138.0	3.0	4.7	1.9	4.0	2.9
Workers, by industry division:											
Manufacturing	76.9	87.8	107.2	128.3	135.3	138.9	3.3	5.1	2.6	2.4	2.7
Nonmanufacturing	75.1	87.0	106.9	125.9	134.7	139.7	4.3	4.5	2.7	3.8	3.7
Service industries	(NA)	84.1	109.3	129.4	138.5	142.7	(NA)	6.2	2.2	3.8	3.0
Business services	(NA)	(NA)	107.4	126.3	138.6	145.9	(NA)	6.8	2.7	5.2	5.3
Health services	(NA)	83.7	110.8	132.2	138.1	139.0	(NA)	6.8	2.7	2.7	0.7
Hospitals	(NA)	(NA)	110.7	131.3	136.5	139.9	(NA)	7.0	2.1	2.1	2.5
Workers by bargaining status:											
Union	79.6	90.1	106.2	127.7	133.5	137.5	2.6	4.3	2.8	2.1	3.0
Nonunion	74.3	86.3	107.3	126.5	135.3	140.1	4.6	4.8	2.7	3.8	3.5
<b>State and local government</b> <sup>4</sup>	<b>70.8</b>	<b>84.6</b>	<b>110.4</b>	<b>129.3</b>	<b>135.7</b>	<b>139.8</b>	<b>5.6</b>	<b>5.8</b>	<b>2.9</b>	<b>2.3</b>	<b>3.0</b>
Workers, by occupational group:											
White-collar occupations	70.4	84.2	110.9	129.1	135.5	139.3	5.8	6.0	2.9	2.3	2.8
Blue-collar workers	73.9	86.7	108.7	128.0	134.2	137.8	5.3	4.8	2.6	2.3	2.7
Workers, by industry division:											
Service industries	70.0	84.0	111.3	129.6	136.0	139.7	5.9	6.3	2.8	2.2	2.7
Schools	69.0	83.6	111.6	129.8	136.2	139.9	6.2	6.0	2.8	2.1	2.7
Elementary and secondary	68.6	83.6	112.1	130.1	135.8	139.3	6.4	6.3	2.8	2.0	2.6
Colleges and universities	(NA)	(NA)	110.2	128.7	137.2	141.5	(NA)	5.3	2.5	2.4	3.1
Services, excluding schools <sup>4</sup>	73.1	85.2	110.2	129.4	135.3	138.8	4.7	6.8	3.0	2.5	2.6
Public administration <sup>2</sup>	71.9	85.4	108.7	128.3	135.1	139.9	4.9	5.3	3.3	2.5	3.6

NA Not available. <sup>1</sup> Includes private industry and state and local government workers and excludes farm, household, and federal government workers. <sup>2</sup> Consists of legislative, judicial, administrative, and regulatory activities. <sup>3</sup> Excludes farm and household workers. <sup>4</sup> Includes library, social, and health services. Formerly called hospitals and other services.

Source: U.S. Bureau of Labor Statistics, *News, Employment Cost Index*, quarterly; and Internet site <<http://stats.bls.gov/ecthome.htm>>.

## No. 705. Federal Minimum Wage Rates: 1954 to 1996

Year	Value of the minimum wage <sup>1</sup>		Year	Value of the minimum wage <sup>1</sup>	
	Current dollars	Constant (1996) dollars <sup>2</sup>		Current dollars	Constant (1996) dollars <sup>2</sup>
1954	0.75	4.37	1976	2.30	6.34
1955	0.75	4.39	1977	2.30	5.95
1956	1.00	5.77	1978	2.65	6.38
1957	1.00	5.58	1979	2.90	6.27
1958	1.00	5.43	1980	3.10	5.90
1959	1.00	5.39	1981	3.35	5.78
1960	1.00	5.30	1982	3.35	5.45
1961	1.15	6.03	1983	3.35	5.28
1962	1.15	5.97	1984	3.35	5.06
1963	1.25	6.41	1985	3.35	4.88
1964	1.25	6.33	1986	3.35	4.80
1965	1.25	6.23	1987	3.35	4.63
1966	1.25	6.05	1988	3.35	4.44
1967	1.40	6.58	1989	3.35	4.24
1968	1.60	7.21	1990	3.80	4.56
1969	1.60	6.84	1991	4.25	4.90
1970	1.60	6.47	1992	4.25	4.75
1971	1.60	6.20	1993	4.25	4.61
1972	1.60	6.01	1994	4.25	4.50
1973	1.60	5.65	1995	4.25	4.38
1974	2.00	6.37	1996	4.75	4.75
1975	2.10	6.12			

<sup>1</sup> Effective September 1, 1997, the Federal minimum wage rose to \$5.15; \$5.03 in constant 1996 dollars. <sup>2</sup> Adjusted for inflation using the CPI-U; see text, Section 15, Prices.

Source: U.S. Employment Standards Administration, Internet site <<http://www.dol.gov/esa/public/minwage/main.htm>> (accessed 25 May 1999).

## No. 706. Workers Paid Hourly Rates, by Selected Characteristics: 1998

[Data are annual averages (71,440 represents 71,440,000). For employed wage and salary workers. Based on Current Population Survey; see text, Section 1, Population, and Appendix III]

Characteristic	Number of workers <sup>1</sup> (1,000)				Percent of all workers paid hourly rates			Median hourly earnings of workers paid hourly rates <sup>2</sup>
	Total paid hourly rates	At or below \$5.15			At or below \$5.15			
		Total	At \$5.15	Below \$5.15	Total	At \$5.15	Below \$5.15	
<b>Total, 16 years and over <sup>3</sup></b>	<b>71,440</b>	<b>4,427</b>	<b>1,593</b>	<b>2,834</b>	<b>6.2</b>	<b>2.2</b>	<b>4.0</b>	<b>\$9.10</b>
16 to 24 years	16,361	2,260	883	1,377	13.8	5.4	8.4	6.58
16 to 19 years	6,482	1,348	558	790	20.8	8.6	12.2	5.88
25 years and over	55,080	2,166	710	1,456	3.9	1.3	2.6	10.13
Male, 16 years and over	35,761	1,667	628	1,039	4.7	1.8	2.9	10.06
16 to 24 years	8,411	936	400	536	11.1	4.8	6.4	6.91
16 to 19 years	3,219	585	257	328	18.2	8.0	10.2	5.98
25 years and over	27,349	731	228	503	2.7	0.8	1.8	11.72
Women, 16 years and over	35,680	2,759	965	1,794	7.7	2.7	5.0	8.23
16 to 24 years	7,949	1,324	483	841	16.7	6.1	10.6	6.24
16 to 19 years	3,263	763	301	462	23.4	9.2	14.2	5.78
25 years and over	27,730	1,435	482	953	5.2	1.7	3.4	9.13
White	58,512	3,559	1,269	2,290	6.1	2.2	3.9	9.22
Black	9,773	705	274	431	7.2	2.8	4.4	8.39
Hispanic origin <sup>4</sup>	9,065	669	276	393	7.4	3.0	4.3	7.92
Full-time workers <sup>5</sup>	54,093	1,793	596	1,197	3.3	1.1	2.2	10.01
Part-time workers <sup>5</sup>	17,198	2,621	993	1,628	15.2	5.8	9.5	6.53
Private sector industries	62,796	4,142	1,471	2,671	6.6	2.3	4.3	8.90
Goods-producing <sup>6</sup>	19,179	497	177	320	2.6	0.9	1.7	10.36
Service-producing <sup>7</sup>	43,617	3,645	1,294	2,351	8.4	3.0	5.4	8.12
Public sector	8,644	285	122	163	3.3	1.4	1.9	11.16

<sup>1</sup> Excludes the incorporated self-employed. <sup>2</sup> For definition of median, see Guide to Tabular Presentation. <sup>3</sup> Includes races not shown separately. Also includes a small number of multiple jobholders whose full- part-time status can not be determined for their principal job. <sup>4</sup> Persons of Hispanic origin may be of any race. <sup>5</sup> Working fewer than 35 hours per week. <sup>6</sup> Includes agriculture, mining, construction, and manufacturing. <sup>7</sup> Includes transportation and public utilities; wholesale trade; finance, insurance, and real estate; private households; and other service industries.

Source: U.S. Bureau of Labor Statistics, unpublished data.

## No. 707. Employer Costs for Employee Compensation Per Hour Worked: 1998

[In dollars. As of March, for private industry workers. Based on a sample of establishments; see source for details]

Compensation component	Percent—								
	Total	Goods producing <sup>1</sup>	Service producing <sup>2</sup>	Manufacturing	Non-manufacturing	Union members	Non-union members	Full-time workers	Part-time workers
<b>Total compensation . . . . .</b>	<b>18.50</b>	<b>22.26</b>	<b>17.31</b>	<b>22.29</b>	<b>17.66</b>	<b>23.59</b>	<b>17.80</b>	<b>20.95</b>	<b>10.01</b>
Wages and salaries . . . . .	13.47	15.35	12.88	15.22	13.09	15.38	13.21	15.03	8.10
Total benefits . . . . .	5.02	6.91	4.42	7.07	4.57	8.22	4.58	5.93	1.90
Paid leave . . . . .	1.16	1.47	1.07	1.68	1.05	1.57	1.11	1.42	0.27
Vacation . . . . .	0.58	0.76	0.52	0.86	0.51	0.85	0.54	(NA)	(NA)
Holiday . . . . .	0.40	0.53	0.36	0.62	0.35	0.51	0.39	(NA)	(NA)
Sick . . . . .	0.14	0.11	0.14	0.13	0.14	0.14	0.14	(NA)	(NA)
Other . . . . .	0.05	0.06	0.05	0.07	0.05	0.07	0.05	(NA)	(NA)
Supplemental pay . . . . .	0.56	0.85	0.47	0.91	0.48	0.95	0.51	0.68	0.15
Premium pay . . . . .	0.22	0.47	0.14	0.48	0.16	0.60	0.17	(NA)	(NA)
Nonproduction bonuses . . . . .	0.29	0.30	0.29	0.34	0.28	0.21	0.30	(NA)	(NA)
Shift pay . . . . .	0.05	0.07	0.04	0.09	0.04	0.14	0.04	(NA)	(NA)
Insurance . . . . .	1.10	1.62	0.94	1.70	0.97	2.15	0.96	1.34	0.27
Health insurance . . . . .	1.00	1.48	0.85	1.54	0.88	1.97	0.86	(NA)	(NA)
Retirement and savings . . . . .	0.55	0.82	0.46	0.76	0.50	1.29	0.45	0.67	0.14
Defined benefit . . . . .	0.24	0.45	0.18	0.40	0.21	1.00	0.14	(NA)	(NA)
Defined contributions . . . . .	0.30	0.37	0.28	0.36	0.29	0.29	0.31	(NA)	(NA)
Legally required . . . . .	1.63	2.09	1.48	1.93	1.56	2.18	1.55	1.78	1.08
Social Security . . . . .	1.12	1.30	1.07	1.30	1.08	1.33	1.09	(NA)	(NA)
Federal unemployment . . . . .	0.03	0.03	0.03	0.03	0.03	0.03	0.03	(NA)	(NA)
State unemployment . . . . .	0.11	0.14	0.10	0.12	0.11	0.14	0.11	(NA)	(NA)
Workers compensation . . . . .	0.36	0.63	0.28	0.48	0.33	0.69	0.31	(NA)	(NA)
Other benefits <sup>3</sup> . . . . .	0.03	0.07	-	0.08	-	0.08	0.02	0.03	-

- Represents or rounds to zero. NA Not available. <sup>1</sup> Mining, construction, and manufacturing. <sup>2</sup> Transportation, communications, and public utilities, wholesale and retail trade, finance, insurance, and real estate, and services. <sup>3</sup> Includes severance pay, and supplemental unemployment benefits.

Source: U.S. Bureau of Labor Statistics, *News, Employer Costs for Employee Compensation*, USDL, 98-285.

## No. 708. Employees With Employer- or Union-Provided Pension Plans or Group Health Plans: 1997

[Total in thousands (144,582 represents 144,582,000). For wage and salary workers 15 years old and over as of March 1998. Based on Current Population Survey; see text, Section 1, Population, and Appendix III. Data based on 1990 population controls]

Occupation	Percent—			Characteristic	Percent—		
	Total (1,000)	Included in pension plan	With group health plan		Total (1,000)	Included in pension plan	With group health plan
Total . . . . .	144,582	42.0	52.8	AGE			
Executive, admin., managerial . . . . .	19,313	55.3	67.2	Total . . . . .	144,582	42.0	52.8
Professional specialty . . . . .	20,819	59.6	66.8	15 to 24 years old . . . . .	24,049	12.0	21.6
Technical/related support . . . . .	4,656	55.2	65.4	25 to 44 years old . . . . .	72,442	46.2	57.8
Sales workers . . . . .	17,824	30.2	42.8	45 to 64 years old . . . . .	43,155	53.8	63.1
Admin. support, inc. clerical . . . . .	20,565	47.1	56.3	65 years old and over . . . . .	4,937	23.3	40.8
Precision prod., craft/repair . . . . .	15,544	41.8	56.0	WORK EXPERIENCE			
Mach. operators, assemblers <sup>1</sup> . . . . .	8,601	44.3	61.4	Worked . . . . .	144,582	42.0	52.8
Transportation/material moving . . . . .	5,809	40.8	55.2	Full time . . . . .	113,977	49.8	62.1
Handlers, equipment cleaners <sup>2</sup> . . . . .	5,968	25.6	36.5	50 weeks or more . . . . .	92,648	55.1	67.5
Service workers . . . . .	20,879	23.1	32.5	27 to 49 weeks . . . . .	12,513	33.6	47.9
Private households . . . . .	1,019	1.2	8.7	26 weeks or fewer . . . . .	8,816	16.2	25.1
Other . . . . .	19,860	24.2	33.7	Part time . . . . .	30,605	13.0	18.4
Farming, forestry and fishing . . . . .	3,776	9.2	20.9	50 weeks or more . . . . .	13,880	17.9	24.2
Armed Forces . . . . .	828	70.0	32.7	27 to 49 weeks . . . . .	6,624	14.7	18.3
				26 weeks or fewer . . . . .	10,101	5.2	10.3
				EMPLOYER SIZE			
				Under 25 persons . . . . .	42,394	14.2	28.2
				25 to 99 persons . . . . .	18,374	35.8	52.3
				100 to 499 persons . . . . .	19,051	49.0	61.7
				500 to 999 persons . . . . .	8,091	57.8	66.5
				Over 1,000 persons . . . . .	56,671	60.2	66.4

<sup>1</sup> Includes inspectors. <sup>2</sup> Includes helpers and laborers.

Source: U.S. Census Bureau, unpublished data.

## No. 709. Employee Benefits in Medium and Large Firms: 1997

[In percent. Covers full-time employees in private industry. Medium and large establishments exclude establishments with fewer than 100 workers. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid family leave. Based on a sample survey of establishments; for details, see source. For data on employee benefits in small establishments, see Table 710]

Employee benefit program	All em- ploy- ees related	Pro- fes- sional, tech- nical and sales	Cleri- cal and sales	Blue collar and serv- ice	Employee benefit program	All em- ploy- ees related	Pro- fes- sional, tech- nical and sales	Cleri- cal and sales	Blue collar and serv- ice
Paid time off:					Tax-deferred savings:				
Holidays . . . . .	89	89	91	88	With employer contribu- tion . . . . .	46	56	51	38
Vacations . . . . .	95	96	97	94	With no employer contribu- tion . . . . .	9	11	8	8
Personal leave . . . . .	20	23	33	13	Income continuation plans:				
Funeral leave . . . . .	81	84	85	76	Severance pay . . . . .	36	48	43	26
Jury duty leave . . . . .	87	92	89	83	Supplemental unemploy- ment benefits . . . . .	5	2	2	7
Military leave . . . . .	47	60	50	38	Family benefits:				
Sick leave . . . . .	56	73	73	38	Child care . . . . .	10	14	10	7
Family leave . . . . .	2	3	3	1	Adoption assistance . . . . .	10	16	12	6
Unpaid family leave . . . . .	93	95	96	91	Long-term care insurance . . . . .	7	10	11	4
Disability benefits:					Flexible workplace . . . . .	2	5	3	(Z)
Short-term disability . . . . .	55	54	52	58	Health promotion programs:				
Long-term disability . . . . .	43	62	52	28	Wellness programs . . . . .	36	44	36	32
Insurance:					Employee assistance pro- grams . . . . .	61	75	63	52
Medical care . . . . .	76	79	78	74	Fitness center . . . . .	21	31	19	16
Dental care . . . . .	59	64	59	56	Miscellaneous benefits:				
Vision care . . . . .	26	28	25	24	Job-related travel accident insurance . . . . .	42	56	46	32
Life insurance . . . . .	87	94	91	81	Nonproduction bonuses . . . . .	42	43	43	40
Retirement . . . . .	79	89	81	72	Subsidized commuting . . . . .	6	10	7	3
Defined benefit . . . . .	50	52	49	50	Educational assistance:				
Defined contribution . . . . .	57	70	63	46	Job-related . . . . .	67	81	68	58
Savings and thrift . . . . .	39	49	45	30	Non-job related . . . . .	20	25	18	18
Deferred profit sharing . . . . .	13	15	15	12					
Employee stock owner- ship . . . . .	4	6	6	3					
Money purchase pension . . . . .	8	12	6	6					

Z Less than 0.5 percent.

Source: U.S. Bureau of Labor Statistics, News, USDL 99-02, January 7, 1999.

## No. 710. Employee Benefits in Small Firms: 1996

[In percent. Covers full-time employees in private industry. Small establishments are establishments with fewer than 100 workers. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except certain tax deferred earnings arrangements. Based on a sample survey of establishments; for details, see sources. For data on employee benefits in medium and large establishments, see Table 709]

Employee benefit program	All em- ploy- ees related	Pro- fes- sional, tech- nical and sales	Cleri- cal and sales	Blue collar and serv- ice	Employee benefit program	All em- ploy- ees related	Pro- fes- sional, tech- nical and sales	Cleri- cal and sales	Blue collar and serv- ice
Paid time off:					Income contribution plans:				
Holidays . . . . .	80	86	91	71	Severance pay . . . . .	15	23	19	9
Vacations . . . . .	86	90	95	79	Supplemental unemploy- ment benefits . . . . .	(Z)	(NA)	(Z)	(Z)
Personal leave . . . . .	14	21	18	8	Family benefits:				
Funeral leave . . . . .	51	60	60	42	Employer assistance for child care . . . . .	2	4	2	(Z)
Jury duty leave . . . . .	59	74	68	47	Employer provided funds . . . . .	1	2	2	(Z)
Military leave . . . . .	18	25	23	12	On-site child care . . . . .	1	2	(Z)	(Z)
Sick leave . . . . .	50	66	64	35	Off-site child care . . . . .	1	2	(Z)	(Z)
Family leave . . . . .	2	3	3	1	Health promotion programs:				
Insurance:					Wellness programs . . . . .	8	11	9	5
Short-term disability . . . . .	29	32	33	25	Employee assistance pro- grams . . . . .	14	18	19	10
Long-term disability . . . . .	22	39	30	10	Fitness center . . . . .	4	6	5	3
Medical care . . . . .	64	76	69	56	Miscellaneous benefits:				
Fee-for-service <sup>1</sup> . . . . .	36	31	34	41	Job-related travel accident insurance . . . . .	12	17	16	7
HMO <sup>1</sup> . . . . .	27	27	28	25	Nonproduction bonuses . . . . .	44	44	46	43
PPO <sup>1</sup> . . . . .	35	41	36	32	Subsidized commuting . . . . .	1	3	2	1
Dental care . . . . .	31	40	35	24	Educational assistance:				
Life insurance . . . . .	62	72	68	54	Job-related . . . . .	38	56	45	27
Retirement . . . . .	46	56	53	37	Non-job related . . . . .	5	6	6	4
Defined benefit . . . . .	15	12	16	15					
Defined contribution . . . . .	38	51	46	28					
Tax deferred earnings arrangements:									
With employer contribu- tion . . . . .	24	30	31	17					
With no employer contribution . . . . .	4	8	4	3					

NA Not available. Z Less than 0.5 percent. <sup>1</sup> Percent of participants receiving medical care insurance.

Source: U.S. Bureau of Labor Statistics, News, USDL 98-240, June 15, 1998.

## No. 711. Workers Killed or Disabled on the Job: 1960 to 1997

[Data for 1997 are preliminary estimates (13.8 represents 13,800). Excludes homicides and suicides. Estimates based on data from the U.S. National Center for Health Statistics, state vital statistics departments, state industrial commissions and beginning 1992, Bureau of Labor Statistics, Census of Occupational Fatalities. Numbers of workers based on data from the U.S. Bureau of Labor Statistics]

Year	Deaths						Disabling injuries <sup>2</sup> (mil.)	Year and industry group	Deaths		
	Total		Manufacturing		Nonmanufacturing				Number	Rate <sup>1</sup>	Disabling injuries <sup>2</sup> (1,000)
	Number (1,000)	Rate <sup>1</sup>	Number (1,000)	Rate <sup>1</sup>	Number (1,000)	Rate <sup>1</sup>					
1960	13.8	21	1.7	10	12.1	25	2.0	<b>Total, 1997<sup>3</sup></b>	<b>5,100</b>	<b>4</b>	<b>3,800</b>
1965	14.1	20	1.8	10	12.3	24	2.1	Agriculture <sup>4</sup>	720	20	140
1970	13.8	18	1.7	9	12.1	21	2.2	Mining and quarrying <sup>5</sup>	150	24	20
1975	13.0	15	1.6	9	11.4	17	2.2	Construction	1,060	14	390
1980	13.2	13	1.7	8	11.5	15	2.2	Manufacturing	670	3	640
1990	10.1	9	1.0	5	9.1	9	3.9	Transportation and utilities	900	12	380
1994	5.3	4	0.7	4	4.3	4	3.5	Trade <sup>6</sup>	470	2	720
1995	5.0	4	0.6	4	4.3	4	3.6	Services	640	1	960
1996	5.0	4	0.7	3	4.3	4	3.9	Government	490	3	550
1997	5.1	4	0.7	3	4.3	4	3.8				

<sup>1</sup> Per 100,000 workers. <sup>2</sup> Disabling injury defined as one which results in death, some degree of physical impairment, or renders the person unable to perform regular activities for a full day beyond the day of the injury. Due to change in methodology, data beginning 1990 not comparable with prior years. <sup>3</sup> Includes deaths where industry is not known. <sup>4</sup> Includes forestry and fishing. <sup>5</sup> Includes oil and gas extraction. <sup>6</sup> Includes wholesale and retail trade. <sup>7</sup> Includes finance, insurance, and real estate.

Source: National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

## No. 712. Worker Deaths, Injuries, and Production Time Lost: 1995 to 1997

[45.7 represents 45,700. Data may not agree with Table 711 because data here are not revised]

Item	Deaths (1,000)			Disabling injuries <sup>1</sup> (mil.)			Production time lost (mil. days)					
							In the current year			In future years <sup>2</sup>		
	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
<b>All accidents</b>	<b>45.7</b>	<b>43.9</b>	<b>43.3</b>	<b>9.9</b>	<b>10.2</b>	<b>9.6</b>	<b>225</b>	<b>230</b>	<b>220</b>	<b>455</b>	<b>430</b>	<b>420</b>
On the job	5.3	4.8	5.1	3.6	3.9	3.8	75	80	80	65	60	60
Off the job	40.4	39.1	38.2	6.3	6.3	5.8	150	150	140	390	370	360
Motor vehicle	22.9	22.2	22.0	1.2	1.3	1.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Public nonmotor vehicle	7.5	7.4	6.8	2.3	2.4	2.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Home	10.0	9.5	9.4	2.8	2.6	2.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. <sup>1</sup> See footnote 2, Table 711, for a definition of disabling injuries. <sup>2</sup> Based on an average of 5,850 days lost in future years per fatality and 565 days lost in future years per permanent injury.

Source: National Safety Council, Itasca, IL, *Accident Facts*, annual (copyright).

## No. 713. Incidence Rates for Nonfatal Injuries and Illnesses—Selected Industries: 1995 and 1996

[Rates per 100 full-time employees. Industries shown are those with highest rates in 1997. For nonfarm employment data, see Table 690. Rates refer to any occupational injury or illness resulting in (1) lost workday cases, or (2) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses divided by total hours worked by all employees during year multiplied by 200,000 as base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year)]

Industry	1987 SIC code <sup>1</sup>	1995		1996		Industry	1987 SIC code <sup>1</sup>	1995		1996	
		Rate	Rate	Rate	Rate			Rate	Rate		
<b>Private industry</b>	<b>(X)</b>	<b>7.4</b>	<b>7.1</b>			Secondary nonferrous metals	334	21.0	18.9		
Meat packing plants	2011	30.3	32.1			Primary aluminum	3334	13.6	18.8		
Malleable iron foundries	3322	16.7	27.6			Transportation equipment, n.e.c.	3799	15.2	18.6		
Gray and ductile iron foundries	3321	25.8	26.6			Structural wood members, n.e.c. <sup>2</sup>	2439	20.5	18.1		
Motor vehicles and car bodies	3711	26.1	25.5			Canned and cured fish and seafoods	2091	15.3	17.9		
Metal sanitary ware	3431	29.4	24.4			Air transportation, scheduled <sup>3</sup>	451	19.3	17.7		
Vitreous plumbing fixtures	3261	16.3	23.9			Boat building and repairing	3732	16.2	17.6		
Mobile homes	2451	26.2	22.6			Aluminum die-castings	3363	19.9	17.4		
Ship building and repairing	3731	27.4	21.4			Burial caskets	3995	8.9	17.3		
Truck trailers	3715	19.4	21.3			Iron and steel forgings	3462	19.4	17.3		
Automotive stampings	3465	23.2	20.0			Construction machinery	3531	16.3	17.0		
Leather tanning and finishing	311	19.1	19.9			Travel trailers and campers	3792	19.7	16.9		
Aluminum foundries	3365	17.1	19.8			Fabricated structural metal	3441	16.7	16.8		
Steel foundries, n.e.c.	3325	26.4	19.1			Fresh and frozen prepared fish	2092	14.4	16.8		

X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification; see text, Section 17, Business. <sup>2</sup> N.e.c. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual.

## No. 714. Nonfatal Occupational Injury and Illness Incidence Rates: 1996 and 1997

[Rates per 100 full-time employees. See headnote, Table 713]

Industry	1987 SIC <sup>1</sup> code	1996	1997	Industry	1987 SIC <sup>1</sup> code	1996	1997
<b>Private sector<sup>2</sup></b> . . . . .	(X)	<b>7.4</b>	<b>7.1</b>	Local passenger transit . . . . .	41	10.3	8.0
<b>Agriculture, forestry, fishing<sup>2</sup></b> . . . . .	A	<b>8.7</b>	<b>8.4</b>	Trucking and warehousing . . . . .	42	10.4	10.0
<b>Mining<sup>3</sup></b> . . . . .	B	<b>5.4</b>	<b>5.9</b>	Water transportation . . . . .	44	9.8	8.6
Metal mining <sup>3</sup> . . . . .	10	5.0	4.9	Transportation by air . . . . .	45	17.9	16.4
Coal mining <sup>3</sup> . . . . .	12	8.0	7.8	Pipelines, except natural gas . . . . .	46	2.0	3.7
Oil and gas extraction . . . . .	13	5.0	5.9	Transportation services . . . . .	47	3.5	3.9
Nonmetallic minerals, exc. fuels . . . . .	14	4.8	4.7	Communications . . . . .	48	3.5	3.4
<b>Construction</b> . . . . .	C	<b>9.9</b>	<b>9.5</b>	Electric, gas, sanitary services . . . . .	49	6.9	6.9
General building contractors . . . . .	15	9.0	8.5	<b>Wholesale and retail trade</b> . . . . .	F, G	<b>6.8</b>	<b>6.7</b>
Heavy construction, except building . . . . .	16	9.0	8.7	Wholesale trade . . . . .	F	6.6	6.5
Special trade contractors . . . . .	17	10.4	10.0	Retail trade . . . . .	G	6.9	6.8
<b>Manufacturing</b> . . . . .	D	<b>10.6</b>	<b>10.3</b>	<b>Finance, insurance, real estate</b> . . . . .	H	<b>2.4</b>	<b>2.2</b>
Durable goods . . . . .	(X)	11.6	11.3	Depository institutions . . . . .	60	1.8	1.8
Lumber and wood products . . . . .	24	14.2	13.5	Nondepository institutions . . . . .	61	1.1	1.2
Furniture and fixtures . . . . .	25	12.2	12.0	Security and commodity brokers . . . . .	62	0.6	0.7
Stone, clay, and glass products . . . . .	32	12.4	11.8	Insurance carriers . . . . .	63	2.1	2.2
Primary metal industries . . . . .	33	15.0	15.0	Insurance agents, brokers, and service . . . . .	64	1.4	1.3
Fabricated metal products . . . . .	34	14.4	14.2	Real estate . . . . .	65	5.4	4.7
Industrial machinery and equip. . . . .	35	9.9	10.0	Holding and other investment offices . . . . .	67	2.8	2.0
Electronic/other electric equip. . . . .	36	6.8	6.6	<b>Services<sup>4</sup></b> . . . . .	I	<b>6.0</b>	<b>5.6</b>
Transportation equipment . . . . .	37	16.3	15.4	Hotels and other lodging places . . . . .	70	9.0	8.4
Instruments/related products . . . . .	38	5.1	4.8	Personal services . . . . .	72	3.8	3.8
Miscellaneous manufacturing industries . . . . .	39	9.5	8.9	Business services . . . . .	73	3.9	3.6
Nondurable goods . . . . .	(X)	9.2	8.8	Auto repair, services, and parking . . . . .	75	5.9	6.3
Food and kindred products . . . . .	20	15.0	14.5	Miscellaneous repair services . . . . .	76	6.3	7.4
Tobacco products . . . . .	21	6.7	5.9	Motion pictures . . . . .	78	(NA)	3.1
Textile mill products . . . . .	22	7.8	6.7	Amusement and recreation services . . . . .	79	9.5	8.1
Apparel and other textile products . . . . .	23	7.4	7.0	Health services . . . . .	80	9.1	8.4
Paper and allied products . . . . .	26	7.9	7.3	Legal services . . . . .	81	1.1	0.8
Printing and publishing . . . . .	27	6.0	5.7	Educational services . . . . .	82	3.4	2.9
Chemicals and allied products . . . . .	28	4.8	4.8	Social services . . . . .	83	7.2	6.4
Petroleum and coal products . . . . .	29	4.6	4.3	Museums, botanical, zoological gardens . . . . .	84	(NA)	7.4
Rubber and misc. plastics products . . . . .	30	12.3	11.9	Engineering and management services . . . . .	87	2.0	1.9
Leather and leather products . . . . .	31	10.7	10.6	Services, n.e.c. <sup>5</sup> . . . . .	89	(NA)	1.3
<b>Transportation/public utilities<sup>3</sup></b> . . . . .	E	<b>8.7</b>	<b>8.2</b>				
Railroad transportation <sup>3</sup> . . . . .	40	3.5	3.4				

NA Not available. X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification; see text, Section 17, Business. <sup>2</sup> Excludes farms with fewer than 11 employees. <sup>3</sup> Data conforming to OSHA definitions for employers in the railroad industry and for mining operators in coal, metal, and nonmetal mining. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. <sup>4</sup> Includes categories not shown separately. <sup>5</sup> N.e.c. means not elsewhere classified.

Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual.

## No. 715. Workplace Violence: 1992-96

[Based on the National Crime Victimization Surveys; see text, Section 5, Law Enforcement, and Appendix III. (2,009.4 represents 2,009,400)]

Characteristic of violence victims	Percent	Victims of nonfatal workplace violence					
		Occupation	Average annual number (1,000)	Rate <sup>1</sup>	Occupation	Average annual number (1,000)	Rate <sup>1</sup>
<b>Total<sup>2</sup></b> . . . . .	<b>100.0</b>	<b>Total<sup>4</sup></b> . . . . .	<b>2,009.4</b>	<b>14.8</b>	Teachers:		
Sex: Male . . . . .	66.8	Medical:			Elementary . . . . .	35.4	16.0
Female . . . . .	33.2	Physicians . . . . .	10.0	15.7	Junior High . . . . .	47.3	57.4
Race: White . . . . .	88.6	Nurses . . . . .	69.5	24.8	High school . . . . .	33.3	28.9
Black . . . . .	8.9	Medical technicians . . . . .	24.5	21.4	Higher ed. . . . .	6.6	2.5
Other . . . . .	2.5	Other . . . . .	56.8	10.7	Special ed. . . . .	9.0	40.7
Ethnicity: <sup>3</sup>		Mental health:			Other . . . . .	14.4	10.1
Hispanic . . . . .	6.6	Professional . . . . .	50.3	79.5	Retail sales:		
Non-Hispanic . . . . .	92.1	Custodial . . . . .	8.7	63.3	Convenience/liquor store . . . . .	61.5	68.4
Age: 12 to 17 years . . . . .	2.4	Other . . . . .	43.5	64.0	Gas station . . . . .	15.5	79.1
18 to 24 years . . . . .	17.9	Law enforcement:			Bar . . . . .	26.4	91.3
25 to 34 years . . . . .	32.9	Police . . . . .	234.2	306.0	Other . . . . .	228.2	17.5
35 to 49 years . . . . .	37.0	Private security . . . . .	71.1	117.3	Transportation:		
50 to 59 years . . . . .	7.2	Corrections officer . . . . .	58.3	217.8	Taxi driver . . . . .	16.1	183.8
60 to 64 years . . . . .	1.5	Other . . . . .	67.6	61.5	Bus driver . . . . .	17.2	45.0
65 years and over . . . . .	1.1				Other . . . . .	43.2	10.0

<sup>1</sup> Rate, per 1,000 workers. <sup>2</sup> Includes 1,023 average annual homicide victims. <sup>3</sup> Ethnicity was unknown for 1.3% of victims. <sup>4</sup> Includes other occupations, not shown separately.

Source: U.S. Bureau of Justice Statistics, *Workplace Violence, 1992-96*.

## No. 716. Fatal Occupational Injuries, by Industry and Event: 1997

[For the 50 states and DC. Based on the 1997 Census of Fatal Occupational Injuries. Due to methodological differences, data differ from those in Table 711. For details, see source]

Industry	1987 SIC <sup>1</sup> code	Event or exposure—Percent distribution							Rate <sup>5</sup>
		Fatalities <sup>2</sup>	Transportation incidents	Assaults/violent acts	Contact with objects <sup>3</sup>	Falls	Exposure <sup>4</sup>		
<b>Total</b> . . . . .	<b>(X)</b>	<b>6,218</b>	<b>42</b>	<b>18</b>	<b>17</b>	<b>12</b>	<b>9</b>	<b>5</b>	
Private industry . . . . .	(X)	5,594	40	18	18	12	9	5	
Agriculture, forestry, fishing . . . . .	A	830	49	7	25	8	9	23	
Mining <sup>6</sup> . . . . .	B	158	30	-	39	9	9	25	
Coal mining . . . . .	12	32	19	-	63	-	13	-	
Oil and gas extraction . . . . .	13	85	27	-	28	14	8	23	
Construction . . . . .	C	1,107	26	3	18	34	17	14	
General building contractors . . . . .	15	194	24	5	14	40	15	-	
Heavy construction, except building . . . . .	16	252	44	-	27	10	15	-	
Special trade contractors . . . . .	17	648	19	2	16	42	18	-	
Manufacturing <sup>6</sup> . . . . .	D	743	30	9	40	7	8	4	
Food and kindred products . . . . .	20	78	41	10	26	10	12	5	
Lumber and wood products . . . . .	24	199	25	-	67	4	3	24	
Transportation and public utilities <sup>6</sup> . . . . .	E	1,002	69	13	7	4	6	13	
Local passenger transit . . . . .	41	106	26	74	-	-	-	19	
Trucking and warehousing . . . . .	42	569	81	5	7	4	2	22	
Transportation by air . . . . .	45	83	88	-	-	-	-	10	
Electric, gas, sanitary services . . . . .	49	89	34	6	15	5	30	8	
Wholesale trade . . . . .	F	241	51	12	18	7	7	5	
Retail trade <sup>6</sup> . . . . .	G	665	19	64	5	5	5	3	
Food stores . . . . .	54	189	9	82	-	4	2	5	
Automotive dealer and service stations . . . . .	55	115	27	49	9	-	7	5	
Eating and drinking places . . . . .	58	150	10	78	-	5	5	2	
Finance, insurance, real estate . . . . .	H	97	38	36	4	17	4	1	
Services <sup>6</sup> . . . . .	I	722	41	27	12	9	8	2	
Business services . . . . .	73	181	42	24	11	10	11	3	
Auto repair, services, and parking . . . . .	75	109	33	25	26	-	7	7	
Government . . . . .	J	624	57	19	6	5	9	3	

- No data reported or data do not meet publication standards. X Not applicable. <sup>1</sup> 1987 Standard Industrial Classification code, see text Section 17, Business. <sup>2</sup> Includes 29 fatalities for which there was insufficient information<sup>3</sup> to determine industry classification. Includes fatalities caused by other events and exposures, not shown separately. <sup>3</sup> Includes equipment. <sup>4</sup> Exposure to harmful substances or environments. <sup>5</sup> Rate per 100,000 employed civilians 16 years old and over. <sup>6</sup> Includes other industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, *USDL News*, 98-336, August 12, 1998; and unpublished data.

## No. 717. Work Stoppages: 1960 to 1998

[Excludes work stoppages involving fewer than 1,000 workers and lasting less than 1 day. Information is based on reports of labor disputes appearing in daily newspapers, trade journals, and other public sources. The parties to the disputes are contacted by telephone, when necessary, to clarify details of the stoppages]

Year	Days idle				Year	Days idle			
	Number of work stoppages <sup>1</sup>	Workers involved <sup>2</sup> (1,000)	Number <sup>3</sup> (1,000)	Percent estimated working time <sup>4</sup>		Number of work stoppages <sup>1</sup>	Workers involved <sup>2</sup> (1,000)	Number <sup>3</sup> (1,000)	Percent estimated working time <sup>4</sup>
1960 . . . . .	222	896	13,260	0.09	1983 . . . . .	81	909	17,461	0.08
1965 . . . . .	268	999	15,140	0.10	1984 . . . . .	62	376	8,499	0.04
1969 . . . . .	412	1,576	29,397	0.16	1985 . . . . .	54	324	7,079	0.03
1970 . . . . .	381	2,468	52,761	0.29	1986 . . . . .	69	533	11,861	0.05
1971 . . . . .	298	2,516	35,538	0.19	1987 . . . . .	46	174	4,481	0.02
1972 . . . . .	250	975	16,764	0.09	1988 . . . . .	40	118	5,431	0.02
1973 . . . . .	317	1,400	16,260	0.08	1989 . . . . .	51	452	16,996	0.07
1974 . . . . .	424	1,796	31,809	0.16	1990 . . . . .	44	185	5,926	0.02
1975 . . . . .	235	965	17,563	0.09	1991 . . . . .	40	392	4,584	0.02
1976 . . . . .	231	1,519	23,962	0.12	1992 . . . . .	35	364	3,989	0.01
1977 . . . . .	298	1,212	21,258	0.10	1993 . . . . .	35	182	3,981	0.01
1978 . . . . .	219	1,006	23,774	0.11	1994 . . . . .	45	322	5,020	0.02
1979 . . . . .	235	1,021	20,409	0.09	1995 . . . . .	31	192	5,771	0.02
1980 . . . . .	187	795	20,844	0.09	1996 . . . . .	37	273	4,887	0.02
1981 . . . . .	145	729	16,908	0.07	1997 . . . . .	29	339	4,497	0.01
1982 . . . . .	96	656	9,061	0.04	1998 . . . . .	34	387	5,116	0.02

<sup>1</sup> Beginning in year indicated. <sup>2</sup> Workers counted more than once if involved in more than one stoppage during the year. <sup>3</sup> Resulting from all stoppages in effect in a year, including those that began in an earlier year. <sup>4</sup> Agricultural and government employees are included in the total working time; private household and forestry and fishery employees are excluded. <sup>5</sup> Revised since originally published.

Source: U.S. Bureau of Labor Statistics, *Compensation and Working Conditions*, monthly through 1995, thereafter quarterly.

## No. 718. Labor Union Membership, by Sector: 1983 to 1998

[See headnote, Table 720. **17,717.4 represents 17,717,400**]

Sector	1983	1985	1990	1993	1994	1995	1996	1997	1998
<b>TOTAL (1,000)</b>									
Wage and salary workers:									
Union members . . . . .	17,717.4	16,996.1	16,739.8	16,598.1	16,740.3	16,359.6	16,269.4	16,109.9	16,211.4
Covered by unions . . . . .	20,532.1	19,358.1	19,057.8	18,646.4	18,842.5	18,346.3	18,158.1	17,923.0	17,918.3
Public sector workers:									
Union members . . . . .	5,737.2	5,743.1	6,485.0	7,017.8	7,091.0	6,927.4	6,854.4	6,746.7	6,905.3
Covered by unions . . . . .	7,112.2	6,920.6	7,691.4	8,162.4	8,191.8	7,986.6	7,829.7	7,668.0	7,814.7
Private sector workers:									
Union members . . . . .	11,980.2	11,253.0	10,254.8	9,580.3	9,649.4	9,432.1	9,415.0	9,363.3	9,306.1
Covered by unions . . . . .	13,419.9	12,437.5	11,366.4	10,484.0	10,650.6	10,359.8	10,328.4	10,255.0	10,103.6
<b>PERCENT</b>									
Wage and salary workers:									
Union members . . . . .	20.1	18.0	16.1	15.8	15.5	14.9	14.5	14.1	13.9
Covered by unions . . . . .	23.3	20.5	18.3	17.7	17.4	16.7	16.2	15.6	15.4
Public sector workers:									
Union members . . . . .	36.7	35.7	36.5	37.7	38.7	37.7	37.6	37.2	37.5
Covered by unions . . . . .	45.5	43.1	43.3	43.8	44.7	43.5	43.0	42.3	42.5
Private sector workers:									
Union members . . . . .	16.5	14.3	11.9	11.1	10.8	10.3	10.0	9.7	9.5
Covered by unions . . . . .	18.5	15.9	13.2	12.1	11.9	11.3	11.0	10.6	10.3

Source: The Bureau of National Affairs, Inc., Washington, DC, *Union Membership and Earnings Data Book: Compilations from the Current Population Survey (1999 edition)*, (copyright by BNA PLUS); authored by Barry Hirsch and David Macpherson of Florida State University. Internet site <<http://www.bna.com/bnaplus/databook.html>>.

## No. 719. Union Members, by Selected Characteristics: 1998

[**Annual averages of monthly data (116,730 represents 116,730,000)**. Covers employed wage and salary workers 16 years old and over. Excludes self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Based on Current Population Survey, see text, Section 1, Population, and Appendix III]

Characteristic	Employed wage and salary workers			Median usual weekly earnings <sup>3</sup> (dol.)			
	Total (1,000)	Percent		Total	Union mem- bers <sup>1</sup>	Repre- sented by unions <sup>2</sup>	Not repre- sented by unions
		Union mem- bers <sup>1</sup>	Repre- sented by unions <sup>2</sup>				
<b>Total <sup>4</sup></b> . . . . .	<b>116,730</b>	<b>13.9</b>	<b>15.4</b>	<b>523</b>	<b>659</b>	<b>653</b>	<b>499</b>
16 to 24 years old . . . . .	19,164	5.3	6.0	319	415	410	315
25 to 34 years old . . . . .	29,121	11.4	12.7	502	595	591	489
35 to 44 years old . . . . .	31,865	15.7	17.3	597	683	678	576
45 to 54 years old . . . . .	23,579	20.1	22.1	620	716	712	592
55 to 64 years old . . . . .	10,427	18.4	20.2	592	697	692	560
65 years and over . . . . .	2,574	7.5	8.3	405	610	597	383
Men . . . . .	60,973	16.2	17.4	598	699	696	573
Women . . . . .	55,757	11.4	13.1	456	596	593	430
<b>White</b> . . . . .	<b>97,531</b>	<b>13.5</b>	<b>14.8</b>	<b>545</b>	<b>683</b>	<b>678</b>	<b>513</b>
Men . . . . .	51,700	15.8	17.0	615	719	716	591
Women . . . . .	45,831	10.8	12.4	468	610	607	443
<b>Black</b> . . . . .	<b>13,894</b>	<b>17.7</b>	<b>19.7</b>	<b>426</b>	<b>578</b>	<b>572</b>	<b>398</b>
Men . . . . .	6,452	20.7	22.6	468	597	592	424
Women . . . . .	7,443	15.1	17.2	400	537	533	376
<b>Hispanic <sup>5</sup></b> . . . . .	<b>12,374</b>	<b>11.9</b>	<b>13.2</b>	<b>370</b>	<b>540</b>	<b>541</b>	<b>350</b>
Men . . . . .	7,360	12.7	13.8	390	585	584	367
Women . . . . .	5,015	10.6	12.3	337	478	481	322
Full-time workers . . . . .	95,595	15.5	17.1	523	659	653	499
Part-time workers . . . . .	20,862	6.5	7.5	(X)	(X)	(X)	(X)
Managerial and professional specialty . . . . .	33,102	12.8	15.2	759	789	774	756
Technical sales, and admin. support . . . . .	35,379	9.2	10.4	477	575	569	463
Service occupations . . . . .	16,594	13.3	14.5	327	557	542	305
Precision, production, craft, and repair . . . . .	12,274	22.1	23.1	572	753	747	514
Operators, fabricators, and laborers . . . . .	17,443	21.3	22.3	415	585	580	381
Farming, forestry, and fishing . . . . .	1,938	4.6	5.2	302	471	462	299
Agricultural wage and salary workers . . . . .	1,739	1.5	1.8	315	(B)	(B)	314
Private nonagri. wage and salary workers . . . . .	96,590	9.6	10.4	509	626	620	496
Mining . . . . .	589	12.2	13.4	684	733	723	673
Construction . . . . .	5,946	17.8	18.4	534	790	783	496
Manufacturing . . . . .	19,763	15.8	16.8	551	606	603	532
Transportation and public utilities . . . . .	7,147	25.8	27.0	624	731	724	586
Wholesale and retail trade, total . . . . .	24,230	5.3	5.7	410	480	476	405
Finance, insurance, and real estate . . . . .	7,420	2.0	2.6	577	545	554	578
Services . . . . .	31,493	5.6	6.6	498	540	548	494
Government . . . . .	18,401	37.5	42.5	620	694	688	558

B Data not shown where base is less than 50,000. X Not applicable. <sup>1</sup> Members of a labor union or an employee association similar to a labor union. <sup>2</sup> 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> For full-time employed wage and salary workers. <sup>4</sup> Includes races not shown separately. Also includes a small number of multiple jobholders whose full- part- time status can not be determined for their principal job. <sup>5</sup> Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, January 1999 issue.



## No. 720. Labor Union Membership, by State: 1983 and 1998

[Annual averages of monthly figures (17,717.4 represents 17,717,400). For wage and salary workers in agriculture and non-agriculture. Data represent union members by place of residence. Based on the Current Population Survey and subject to sampling error. For methodological details, see source]

State	Union members (1,000)		Workers covered by unions (1,000)		Percent of workers—					
					Union members		Covered by unions		Private manufacturing sector union members	
	1983	1998	1983	1998	1983	1998	1983	1998	1983	1998
<b>United States . . . . .</b>	<b>17,717.4</b>	<b>16,211.4</b>	<b>20,532.1</b>	<b>17,918.3</b>	<b>20.1</b>	<b>13.9</b>	<b>23.3</b>	<b>15.4</b>	<b>27.8</b>	<b>15.8</b>
Alabama <sup>1</sup> . . . . .	228.2	180.2	268.2	218.4	16.9	9.7	19.8	11.8	25.9	13.8
Alaska . . . . .	41.7	51.5	49.2	57.8	24.9	20.4	29.3	22.9	23.3	2.7
Arizona <sup>1</sup> . . . . .	125.0	123.2	156.4	146.2	11.4	6.5	14.3	7.7	7.8	4.2
Arkansas <sup>1</sup> . . . . .	82.2	61.1	103.2	72.1	11.0	6.2	13.8	7.3	18.7	9.3
California . . . . .	2,118.9	2,154.0	2,505.2	2,407.6	21.9	16.1	25.9	18.1	21.0	9.2
Colorado . . . . .	177.9	171.4	209.6	189.4	13.6	9.1	16.0	10.0	13.1	8.6
Connecticut . . . . .	314.0	262.6	345.1	271.9	22.7	17.5	25.0	18.1	28.1	16.5
Delaware . . . . .	49.2	46.3	54.1	50.2	20.1	13.6	22.1	14.7	27.3	20.0
District of Columbia . . . . .	52.4	30.1	69.4	34.0	19.5	13.5	25.9	15.3	17.6	18.9
Florida <sup>1</sup> . . . . .	393.7	407.8	532.9	538.4	10.2	6.7	13.8	8.9	11.3	5.4
Georgia <sup>1</sup> . . . . .	267.0	256.8	345.1	289.0	11.9	7.4	15.3	8.4	16.9	7.2
Hawaii . . . . .	112.6	130.2	124.9	136.4	29.2	26.5	32.4	27.7	35.6	26.2
Idaho . . . . .	41.3	42.1	53.7	55.6	12.5	7.8	16.2	10.3	19.0	10.2
Illinois . . . . .	1,063.8	1,004.4	1,205.1	1,064.2	24.2	18.9	27.4	20.0	32.4	21.8
Indiana . . . . .	503.3	431.3	544.5	471.6	24.9	16.2	27.0	17.7	48.7	25.7
Iowa <sup>1</sup> . . . . .	185.9	166.4	231.3	197.0	17.2	12.5	21.5	14.8	40.3	20.4
Kansas <sup>1</sup> . . . . .	125.2	92.7	170.4	114.0	13.7	7.9	18.7	9.7	25.5	17.1
Kentucky . . . . .	223.7	218.9	259.8	248.1	17.9	13.1	20.8	14.8	37.4	20.4
Louisiana <sup>1</sup> . . . . .	204.2	134.5	267.8	172.1	13.8	7.8	18.1	10.0	24.9	22.8
Maine . . . . .	88.0	66.1	100.4	75.1	21.0	12.6	24.0	14.3	24.8	24.2
Maryland . . . . .	346.5	331.3	423.1	378.9	18.5	14.1	22.6	16.1	29.2	17.3
Massachusetts . . . . .	603.2	453.1	661.4	493.7	23.7	15.9	26.0	17.4	26.7	14.0
Michigan . . . . .	1,005.4	953.8	1,084.6	995.8	30.4	21.6	32.8	22.6	46.2	32.2
Minnesota . . . . .	393.9	421.6	439.4	443.3	23.2	18.8	25.9	19.8	22.3	14.2
Mississippi <sup>1</sup> . . . . .	79.4	61.2	99.7	105.6	9.9	5.6	12.5	9.7	18.9	8.5
Missouri . . . . .	374.4	336.0	416.7	369.5	20.8	13.7	23.2	15.1	36.6	18.4
Montana . . . . .	49.5	48.8	55.5	53.5	18.3	13.9	20.5	15.3	33.0	16.4
Nebraska <sup>1</sup> . . . . .	80.6	77.2	94.8	104.0	13.6	10.3	16.0	13.8	19.1	15.3
Nevada . . . . .	90.0	133.8	106.7	148.8	22.4	17.0	26.6	18.9	10.8	2.8
New Hampshire . . . . .	48.5	61.7	60.8	70.5	11.5	11.0	14.4	12.6	10.6	7.5
New Jersey . . . . .	822.1	792.9	918.2	851.0	26.9	22.0	30.0	23.7	31.4	21.1
New Mexico . . . . .	52.6	63.2	70.6	78.5	11.8	9.4	15.8	11.7	11.9	6.0
New York . . . . .	2,155.6	1,899.8	2,385.9	1,994.8	32.5	25.4	36.0	26.7	31.0	19.5
North Carolina <sup>1</sup> . . . . .	178.7	139.8	238.1	173.1	7.6	4.2	10.2	5.2	6.9	2.9
North Dakota <sup>1</sup> . . . . .	28.4	25.5	35.1	26.9	13.2	9.1	16.3	9.6	27.4	12.9
Ohio . . . . .	1,011.0	932.0	1,125.0	991.8	25.1	19.0	27.9	20.2	40.9	26.9
Oklahoma . . . . .	131.5	116.6	168.2	132.8	11.5	8.6	14.7	9.8	25.2	16.3
Oregon . . . . .	222.9	231.9	261.9	248.0	22.3	16.1	26.2	17.3	28.7	12.2
Pennsylvania . . . . .	1,195.7	827.3	1,350.0	896.0	27.5	16.3	31.1	17.7	42.3	20.0
Rhode Island . . . . .	85.8	81.1	93.7	83.6	21.5	19.0	23.5	19.6	16.9	10.8
South Carolina <sup>1</sup> . . . . .	69.6	78.1	100.6	87.7	5.9	4.5	8.6	5.1	5.5	6.2
South Dakota <sup>1</sup> . . . . .	26.8	20.8	34.8	26.0	11.5	6.4	14.9	8.0	19.0	7.5
Tennessee <sup>1</sup> . . . . .	252.4	183.3	300.9	220.2	15.1	7.9	18.0	9.5	21.4	11.5
Texas <sup>1</sup> . . . . .	583.7	503.1	712.8	603.4	9.7	5.9	11.9	7.0	16.1	7.5
Utah <sup>1</sup> . . . . .	81.6	61.6	100.9	78.3	15.2	6.8	18.9	8.6	14.9	5.5
Vermont . . . . .	25.9	25.3	31.5	29.4	12.6	9.4	15.3	11.0	13.5	5.8
Virginia <sup>1</sup> . . . . .	268.3	208.7	346.1	232.9	11.7	6.8	15.1	7.6	21.2	9.9
Washington . . . . .	419.9	537.3	499.7	584.8	27.1	21.2	32.3	23.0	35.5	25.6
West Virginia . . . . .	142.7	83.3	160.6	91.6	25.3	12.6	28.5	13.8	41.3	25.8
Wisconsin . . . . .	465.5	470.0	526.7	491.7	23.8	18.7	26.9	19.6	36.0	22.5
Wyoming <sup>1</sup> . . . . .	27.1	19.7	31.8	23.1	13.9	9.6	16.2	11.3	14.6	14.5

<sup>1</sup> Right to work state.

Source: The Bureau of National Affairs, Inc., Washington, DC, *Union Membership and Earnings Data Book: Compilations from the Current Population Survey*, (1999 edition) (copyright by BNA PLUS); authored by Barry Hirsch and David Macpherson of Florida State University. Internet site <<http://www.bna.com/bnaplus/databook.html>>