

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

(Numbers in thousands)

Occupation	2002			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over	136,485	46.6	10.9	12.2
Managerial and professional specialty	42,482	50.5	8.0	5.8
Executive, administrative, and managerial	20,561	45.9	7.6	6.3
Officials and administrators, public administration	720	52.6	13.0	7.6
Administrators, protective services	54	25.3	13.3	2.0
Financial managers	803	50.5	8.4	6.8
Personnel and labor relations managers	219	66.0	8.0	5.1
Purchasing managers	140	43.3	6.6	4.7
Managers, marketing, advertising, and public relations	735	38.4	3.7	4.9
Administrators, education and related fields	849	64.6	11.3	6.1
Managers, medicine and health	828	78.4	9.5	6.2
Postmasters and mail superintendents	51	50.0	9.2	3.5
Managers, food serving and lodging establishments	1,494	46.5	9.8	9.2
Managers, properties and real estate	618	50.0	7.4	9.8
Funeral directors	58	23.9	9.6	2.3
Management-related occupations	5,182	58.2	9.0	6.5
Accountants and auditors	1,702	59.4	9.0	6.0
Underwriters	101	67.4	7.4	7.0
Other financial officers	880	50.0	9.2	7.1
Management analysts	545	42.2	6.2	2.5
Personnel, training, and labor relations specialists	624	74.9	10.5	7.6
Buyers, wholesale and retail trade, except farm products	229	55.3	4.6	9.0
Construction inspectors	72	5.0	3.1	11.0
Inspectors and compliance officers, except construction	247	36.4	14.4	7.8
Professional specialty	21,921	54.7	8.3	5.3
Engineers, architects, and surveyors	2,249	11.6	4.2	4.1
Architects	197	20.1	2.3	5.2
Engineers	2,028	10.8	4.5	4.0
Aerospace engineers	90	8.1	.9	6.0
Chemical engineers	77	16.5	3.1	3.1
Civil engineers	267	10.8	5.5	4.0
Electrical and electronic engineers	677	10.3	5.9	4.0
Industrial engineers	235	17.2	4.4	5.3
Mechanical engineers	301	6.9	2.9	2.6
Mathematical and computer scientists	2,030	30.8	7.3	5.1
Computer systems analysts and scientists	1,742	27.8	6.9	5.2
Operations and systems researchers and analysts	238	48.9	10.7	5.6
Natural scientists	545	35.1	4.1	2.9
Chemists, except biochemists	130	29.8	8.6	3.8
Agricultural and food scientists	51	34.6	3.6	6.1
Biological and life scientists	119	44.0	2.3	2.4
Medical scientists	89	60.4	6.1	3.8
Health diagnosing occupations	1,176	29.2	4.7	4.7
Physicians	825	30.6	5.0	5.8
Dentists	180	19.4	4.0	3.3
Health assessment and treating occupations	3,267	86.4	9.7	3.7
Registered nurses	2,311	92.9	10.0	3.3
Pharmacists	231	51.7	8.0	2.5
Dietitians	74	90.2	18.7	5.0
Therapists	562	77.5	8.3	5.5
Respiratory therapists	97	58.4	14.1	3.8
Occupational therapists	78	89.1	6.1	5.1
Physical therapists	167	70.2	4.5	6.9
Speech therapists	117	94.3	4.7	2.8
Physicians' assistants	89	59.5	7.4	5.1
Teachers, college and university	1,015	42.7	5.4	5.4
Teachers, except college and university	5,652	75.0	10.1	6.1
Prekindergarten and kindergarten	647	97.7	14.7	7.8
Elementary school	2,341	83.0	11.0	6.4
Secondary school	1,289	58.1	7.0	5.1
Special education	374	85.4	9.9	4.3
Counselors, educational and vocational	282	74.3	16.9	6.8
Librarians, archivists, and curators	231	78.8	7.0	4.6
Librarians	207	81.7	7.8	5.1
Social scientists and urban planners	457	59.6	8.3	4.5
Economists	123	55.0	6.2	4.6
Psychologists	277	65.9	9.5	3.8

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	2002			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Social, recreation, and religious workers	1,556	57.3	17.4	7.3
Social workers	848	74.0	22.7	8.6
Recreation workers	129	74.2	20.5	8.3
Clergy	393	14.1	9.8	4.0
Lawyers and judges	963	29.3	4.7	3.3
Lawyers	929	29.2	4.6	3.1
Writers, artists, entertainers, and athletes	2,498	49.8	5.7	7.3
Authors	139	54.7	2.3	3.8
Technical writers	68	61.5	5.1	5.2
Designers	770	56.4	3.5	8.5
Musicians and composers	161	36.4	12.9	5.8
Actors and directors	155	38.2	8.4	8.7
Painters, sculptors, craft artists, and artist printmakers	225	47.9	3.4	7.2
Photographers	178	33.2	4.1	6.7
Editors and reporters	280	48.5	4.7	3.3
Public relations specialists	211	68.2	9.2	4.6
Announcers	52	16.4	11.5	9.8
Athletes	95	25.8	11.8	6.8
Technical, sales, and administrative support	38,947	63.4	10.8	9.8
Technicians and related support	4,509	54.1	9.7	7.6
Health technologists and technicians	1,879	81.5	14.3	8.6
Clinical laboratory technologists and technicians	384	76.5	19.4	7.0
Dental hygienists	133	98.1	1.5	2.0
Radiologic technicians	182	74.4	5.8	8.6
Licensed practical nurses	382	94.9	20.6	5.0
Engineering and related technologists and technicians	980	20.8	7.7	7.7
Electrical and electronic technicians	433	19.1	9.2	4.9
Drafting occupations	247	21.6	4.1	12.3
Surveying and mapping technicians	65	9.1	.3	10.2
Science technicians	291	47.2	6.5	6.6
Biological technicians	131	59.5	3.7	6.1
Chemical technicians	64	33.6	11.6	7.3
Technicians, except health, engineering, and science	1,359	41.8	5.5	6.2
Airplane pilots and navigators	129	4.2	1.1	.3
Computer programmers	605	25.6	4.0	5.0
Legal assistants	401	82.2	7.4	10.7
Sales occupations	16,254	49.0	8.5	9.6
Supervisors and proprietors	4,828	39.6	6.4	8.1
Sales representatives, finance and business services	2,944	44.8	6.8	5.8
Insurance sales	612	45.0	6.3	4.6
Real estate sales	839	55.1	4.4	5.7
Securities and financial services sales	568	28.6	6.4	3.8
Advertising and related sales	181	61.8	5.1	6.7
Sales occupations, other business services	744	41.3	10.7	8.2
Sales representatives, commodities, except retail	1,563	25.2	3.1	5.1
Sales representatives, mining, manufacturing, and wholesale	1,526	25.6	3.0	5.1
Sales workers, retail and personal services	6,811	62.7	11.9	13.3
Sales workers, motor vehicles and boats	358	11.3	11.0	11.4
Sales workers, apparel	390	77.7	12.7	14.8
Sales workers, shoes	97	52.8	17.9	18.1
Sales workers, furniture and home furnishings	181	50.7	5.2	10.5
Sales workers, radio, television, hi-fi, and appliances	309	27.2	8.4	9.1
Sales workers, hardware and building supplies	296	23.3	6.3	8.9
Sales workers, parts	153	8.6	2.4	14.6
Sales workers, other commodities	1,467	66.2	8.3	11.8
Sales counter clerks	183	59.8	12.5	12.0
Cashiers	2,942	76.7	15.6	15.4
Street and door-to-door sales workers	334	72.9	10.5	11.2
News vendors	103	36.7	7.6	9.4
Sales-related occupations	107	71.0	9.0	10.5
Demonstrators, promoters, and models	77	73.1	8.9	11.7
Administrative support occupations, including clerical	18,184	78.5	13.1	10.6
Supervisors, administrative support	717	60.5	15.7	10.8
Supervisors, general office	402	69.4	15.3	9.6
Supervisors, financial records processing	107	81.6	17.2	10.0
Supervisors, distribution, scheduling, and adjusting clerks	185	31.6	16.2	14.4
Computer equipment operators	308	47.1	12.0	8.5

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	2002			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Computer operators	301	46.9	11.8	8.4
Secretaries, stenographers, and typists	3,020	97.6	9.9	8.2
Secretaries	2,302	98.6	8.4	7.9
Stenographers	146	95.2	3.1	3.0
Typists	571	93.9	17.6	10.9
Information clerks	2,053	89.0	11.7	12.3
Interviewers	169	82.2	13.4	11.7
Hotel clerks	131	70.1	15.2	11.1
Transportation ticket and reservation agents	237	72.7	13.2	8.8
Receptionists	1,068	97.1	9.2	14.2
Records processing, except financial	995	80.5	15.8	10.9
Order clerks	289	74.9	20.6	11.2
Personnel clerks, except payroll and timekeeping	70	79.1	12.1	16.1
Library clerks	130	79.2	10.6	6.2
File clerks	288	81.5	14.8	14.2
Records clerks	206	87.4	15.0	7.7
Financial records processing	2,205	91.8	8.2	8.1
Bookkeepers, accounting, and auditing clerks	1,592	92.7	7.1	7.3
Payroll and timekeeping clerks	175	91.2	9.8	8.5
Billing clerks	229	89.7	14.4	9.7
Cost and rate clerks	51	81.2	10.8	12.4
Billing, posting, and calculating machine operators	159	89.8	8.1	12.4
Duplicating, mail and other office machine operators	58	55.1	19.2	11.5
Communications equipment operators	138	83.6	26.2	11.1
Telephone operators	119	85.4	25.9	10.3
Mail and message distributing	907	39.7	20.8	8.0
Postal clerks, except mail carriers	274	49.5	30.7	5.8
Mail carriers, postal service	338	29.9	16.0	5.9
Mail clerks, except postal service	165	52.5	21.6	12.6
Messengers	130	28.1	11.3	12.1
Material recording, scheduling, and distributing clerks	1,995	45.9	13.7	14.4
Dispatchers	258	55.0	14.6	9.9
Production coordinators	230	57.4	9.2	7.3
Traffic, shipping, and receiving clerks	623	30.9	13.8	21.0
Stock and inventory clerks	463	43.9	14.9	12.0
Weighers, measurers, and checkers and samplers	53	51.6	15.5	23.2
Expeditors	310	65.7	13.7	13.3
Adjusters and investigators	1,929	73.8	16.1	10.3
Insurance adjusters, examiners, and investigators	497	71.9	15.8	7.6
Investigators and adjusters, except insurance	1,135	74.5	15.0	10.8
Eligibility clerks, social welfare	86	87.3	17.0	12.8
Bill and account collectors	212	68.5	22.0	13.1
Miscellaneous administrative support	3,858	84.2	13.8	11.8
General office clerks	842	83.3	14.4	10.8
Bank tellers	477	87.3	11.9	11.0
Data-entry keyers	595	81.8	16.1	12.5
Statistical clerks	97	85.1	11.2	11.1
Teachers' aides	813	91.6	13.2	16.3
Service occupations	19,219	59.9	17.6	18.1
Private household	746	94.7	12.3	34.4
Child care workers	229	97.6	7.7	19.6
Cleaners and servants	500	93.7	13.6	40.7
Protective service	2,596	19.9	19.9	10.7
Supervisors	237	13.3	16.4	11.4
Police and detectives	126	15.7	17.8	6.9
Guards	66	17.7	21.3	17.8
Firefighting and fire prevention	262	4.1	9.5	9.0
Firefighting	248	3.4	9.6	9.4
Police and detectives	1,076	18.3	17.4	11.4
Police and detectives, public service	586	15.5	11.9	11.5
Sheriffs, bailiffs, and other law enforcement officers	162	19.3	15.5	12.5
Correctional institution officers	328	23.0	28.1	10.6
Guards	1,022	27.0	26.0	10.3
Guards and police, except public services	885	21.9	28.2	10.7
Service occupations, except private household and protective service	15,877	64.9	17.5	18.5
Food preparation and service occupations	6,614	55.8	11.9	19.8
Supervisors, food preparation and service	488	67.0	12.5	10.6
Bartenders	341	55.1	3.2	8.5

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	2002			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Writers and waitresses	1,430	74.9	5.8	13.7
Cooks	2,264	40.3	16.7	27.1
Food counter, fountain and related occupations	398	66.0	12.8	13.1
Kitchen workers, food preparation	338	68.5	9.9	15.9
Waiters' and waitresses' assistants	696	52.5	8.9	19.7
Miscellaneous food preparation	659	50.4	16.6	27.2
Health service occupations	2,817	89.2	30.6	12.7
Dental assistants	224	98.0	5.7	14.6
Health aides, except nursing	350	78.6	23.8	13.3
Nursing aides, orderlies, and attendants	2,243	89.9	34.1	12.4
Cleaning and building service occupations	3,162	45.7	20.3	26.8
Supervisors	183	31.7	27.1	18.1
Maids and housemen	709	82.3	21.4	31.0
Janitors and cleaners	2,199	36.4	19.6	26.6
Pest control occupations	63	1.4	10.6	12.6
Personal service occupations	3,284	80.7	14.6	12.9
Supervisors	143	69.5	10.2	7.6
Barbers	91	23.4	29.0	15.9
Hairdressers and cosmetologists	908	89.7	12.4	10.9
Attendants, amusement and recreation facilities	267	40.3	9.8	7.2
Public transportation attendants	129	80.0	14.2	10.1
Welfare service aides	113	82.8	20.7	16.1
Family child care providers	457	99.4	15.6	16.9
Early childhood teachers' assistants	536	93.8	17.3	16.5
Precision production, craft, and repair	14,660	8.2	7.4	17.1
Mechanics and repairers	4,760	4.5	8.0	12.1
Supervisors	237	7.4	6.7	9.8
Mechanics and repairers, except supervisors	4,523	4.4	8.1	12.3
Vehicle and mobile equipment mechanics and repairers	1,831	1.3	7.0	13.6
Automobile mechanics	867	1.4	7.5	16.2
Bus, truck, and stationary engine mechanics	343	.7	7.6	9.7
Aircraft engine mechanics	126	2.2	7.3	10.6
Small engine repairers	53	.7	3.1	5.5
Automobile body and related repairers	212	2.2	5.4	20.3
Heavy equipment mechanics	180	.4	7.3	5.6
Industrial machinery repairers	460	3.2	6.5	10.4
Electrical and electronic equipment repairers	870	12.0	11.2	10.9
Electronic repairers, communications and industrial equipment	193	5.8	10.8	14.0
Data processing equipment repairers	283	16.7	10.5	8.2
Telephone installers and repairers	240	15.9	11.7	10.1
Heating, air conditioning, and refrigeration mechanics	357	.6	7.2	13.3
Construction trades	6,304	2.4	6.5	20.6
Supervisors	963	2.4	5.0	10.0
Construction trades, except supervisors	5,341	2.4	6.8	22.5
Brickmasons and stonemasons	236	.4	11.2	28.8
Tile setters, hard and soft	104	1.2	3.5	42.2
Carpet installers	140	3.8	4.7	32.4
Carpenters	1,563	1.8	5.6	21.0
Drywall installers	187	2.1	3.4	40.6
Electricians	862	2.5	7.1	11.0
Electrical power installers and repairers	126	3.2	8.2	8.0
Painters, construction and maintenance	654	4.9	7.7	31.1
Plumbers, pipefitters, and steamfitters	548	1.5	8.0	15.2
Concrete and terrazzo finishers	104	1.2	13.7	37.8
Insulation workers	60	10.8	7.6	28.6
Roofers	235	2.4	5.9	29.1
Structural metalworkers	67	1.4	6.6	16.9
Extractive occupations	115	1.9	6.5	9.7
Precision production occupations	3,481	23.8	8.1	17.7
Supervisors	1,056	19.9	9.0	14.7
Precision metalworking	826	6.8	5.4	11.8
Tool and die makers	99	2.3	1.2	4.2
Machinists	470	5.4	5.4	12.1
Precious stones and metals workers	52	31.0	3.2	28.1
Sheet-metal workers	125	3.0	7.1	12.3
Precision woodworking occupations	104	11.4	6.8	20.2
Cabinet makers and bench carpenters	74	6.4	5.0	18.3
Precision textile, apparel, and furnishings machine workers	189	53.0	4.3	27.7
Dressmakers	81	86.7	2.3	17.8

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	2002			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Upholsterers	58	20.5	6.4	40.2
Precision workers, assorted materials	449	54.0	7.5	18.3
Optical goods workers	72	68.0	7.3	10.2
Dental laboratory and medical appliance technicians	66	44.5	4.8	12.4
Electrical and electronic equipment assemblers	237	63.1	8.8	21.7
Precision food production occupations	431	36.6	9.6	37.6
Butchers and meat cutters	229	20.8	10.7	40.6
Bakers	148	50.3	8.9	33.2
Food batchmakers	54	65.9	7.0	36.5
Precision inspectors, testers, and related workers	156	23.9	9.2	14.1
Inspectors, testers, and graders	149	23.8	9.6	13.7
Plant and system operators	271	5.0	13.6	8.5
Water and sewage treatment plant operators	77	4.1	15.2	11.5
Stationary engineers	114	2.9	14.0	8.2
Operators, fabricators, and laborers	17,697	22.7	15.1	19.6
Machine operators, assemblers, and inspectors	6,488	35.3	14.9	20.9
Machine operators and tenders, except precision	4,065	34.6	15.7	22.4
Metalworking and plastic working machine operators	286	17.2	11.0	13.6
Punching and stamping press machine operators	69	26.7	13.5	8.0
Grinding, abrading, buffing, and polishing machine operators	91	20.5	11.3	21.0
Metal and plastic processing machine operators	136	19.5	15.3	17.1
Molding and casting machine operators	86	23.8	19.2	15.4
Woodworking machine operators	114	12.9	9.9	15.7
Sawing machine operators	71	10.2	9.4	16.9
Printing machine operators	353	25.2	9.8	15.8
Printing press operators	274	18.1	9.7	16.5
Textile, apparel, and furnishings machine operators	757	67.6	18.8	34.8
Textile sewing machine operators	352	77.2	13.4	41.9
Pressing machine operators	81	69.5	28.6	42.0
Laundering and dry cleaning machine operators	204	59.3	19.9	29.7
Machine operators, assorted materials	2,401	29.5	16.5	21.1
Packaging and filling machine operators	268	55.9	18.0	31.0
Mixing and blending machine operators	113	11.2	22.3	23.5
Separating, filtering, and clarifying machine operators	66	9.9	14.3	6.8
Painting and paint spraying machine operators	154	13.9	6.3	27.2
Furnace, kiln, and oven operators, except food	50	7.4	22.1	14.2
Slicing and cutting machine operators	138	23.5	12.8	26.9
Photographic process machine operators	89	60.5	12.3	7.7
Fabricators, assemblers, and hand working occupations	1,769	31.7	12.7	18.1
Welders and cutters	511	5.1	9.0	16.5
Assemblers	1,108	42.2	15.1	18.3
Production inspectors, testers, samplers, and weighers	654	49.4	15.7	19.4
Production inspectors, checkers, and examiners	472	50.6	16.2	14.0
Production testers	54	20.3	12.5	13.1
Graders and sorters, except agricultural	124	57.8	15.4	43.0
Transportation and material moving occupations	5,814	10.4	16.0	14.2
Motor vehicle operators	4,482	12.1	16.2	13.8
Supervisors	97	25.5	12.8	12.1
Truck drivers	3,234	4.9	13.2	13.9
Drivers-sales workers	153	10.5	14.2	10.8
Bus drivers	605	48.4	29.0	10.2
Taxicab drivers and chauffeurs	332	12.4	22.4	19.7
Parking lot attendants	53	14.3	23.3	21.3
Transportation occupations, except motor vehicles	169	4.5	9.4	8.1
Rail transportation	111	4.1	12.5	9.8
Locomotive operating occupations	54	3.5	15.3	15.6
Water transportation	58	5.2	3.3	4.7
Material moving equipment operators	1,163	4.6	16.2	16.8
Operating engineers	265	1.1	9.2	10.4
Crane and tower operators	72	.4	13.8	9.3
Excavating and loading machine operators	106	1.0	6.5	15.1
Grader, dozer, and scraper operators	52	5.2	11.2	6.8
Industrial truck and tractor equipment operators	563	7.1	21.3	22.7
Handlers, equipment cleaners, helpers, and laborers	5,395	20.9	14.3	23.9
Helpers, construction and extractive occupations	123	6.5	8.8	42.3
Helpers, construction trades	114	6.5	9.5	43.6
Construction laborers	1,089	3.9	9.7	33.3

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	2002			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Production helpers	54	23.9	19.6	22.8
Freight, stock, and material handlers	1,949	25.4	16.6	15.9
Stock handlers and baggers	1,105	33.8	13.2	15.7
Machine feeders and offbearers	62	51.0	15.4	15.5
Garage and service station related occupations	171	8.8	11.2	17.5
Vehicle washers and equipment cleaners	306	10.6	16.4	27.6
Hand packers and packagers	397	60.1	15.7	35.4
Laborers, except construction	1,267	21.8	14.3	22.6
Farming, forestry, and fishing	3,480	20.6	4.9	24.4
Farm operators and managers	1,168	24.5	1.2	4.2
Farmers, except horticultural	898	25.5	.7	2.5
Horticultural specialty farmers	76	13.5	5.0	17.4
Managers, farms, except horticultural	169	22.4	.7	6.4
Other agricultural and related occupations	2,181	19.2	6.9	36.4
Farm occupations, except managerial	779	21.4	4.3	45.6
Farm workers	716	21.0	4.7	45.4
Related agricultural occupations	1,403	18.1	8.4	31.2
Supervisors	188	7.7	5.5	19.1
Groundskeepers and gardeners, except farm	973	7.8	10.0	35.4
Animal caretakers, except farm	170	68.1	4.3	4.8
Graders and sorters, agricultural products	68	67.7	2.8	71.1
Forestry and logging occupations	85	7.3	5.8	8.1
Timber cutting and logging occupations	54	1.6	7.5	6.0

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