

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Total, 16 years and over.....	153,337	46.9	78.4	12.1	6.2	16.9
Management, professional, and related occupations.....	60,901	51.6	80.0	9.4	8.1	9.6
Management, business, and financial operations occupations.....	25,379	44.0	83.0	8.2	6.4	10.0
Management occupations.....	17,804	39.8	84.0	7.6	5.9	9.9
Chief executives.....	1,639	28.0	90.0	3.8	4.6	4.7
General and operations managers.....	1,005	34.1	85.0	8.3	4.5	11.4
Legislators.....	18	—	—	—	—	—
Advertising and promotions managers.....	61	52.7	84.5	8.0	7.5	7.4
Marketing and sales managers.....	1,078	45.3	86.4	6.0	6.1	10.2
Public relations and fundraising managers.....	73	63.5	87.9	7.8	3.2	3.7
Administrative services managers.....	151	40.1	83.5	9.4	3.2	10.3
Computer and information systems managers.....	630	28.6	78.0	6.6	13.0	6.6
Financial managers.....	1,167	55.7	83.5	6.7	8.2	11.2
Compensation and benefits managers.....	16	—	—	—	—	—
Human resources managers.....	327	70.8	81.7	12.3	4.3	7.9
Training and development managers.....	63	59.8	89.2	5.6	2.2	9.0
Industrial production managers.....	280	25.7	89.5	3.8	5.9	9.3
Purchasing managers.....	205	52.3	84.3	10.6	3.3	9.1
Transportation, storage, and distribution managers.....	291	19.2	79.7	10.7	5.3	13.8
Farmers, ranchers, and other agricultural managers.....	1,018	25.2	95.4	0.8	1.4	6.1
Construction managers.....	1,081	7.4	90.2	4.9	2.3	12.4
Education administrators.....	918	64.2	81.8	12.9	2.1	10.3
Architectural and engineering managers.....	129	8.7	79.7	8.3	11.2	6.2
Food service managers.....	1,210	46.3	74.7	9.5	11.7	16.9
Funeral service managers.....	15	—	—	—	—	—
Gaming managers.....	19	—	—	—	—	—
Lodging managers.....	156	48.8	72.9	11.2	12.5	12.0
Medical and health services managers.....	671	69.8	77.9	14.0	5.7	9.1
Natural sciences managers.....	16	—	—	—	—	—
Postmasters and mail superintendents.....	27	—	—	—	—	—
Property, real estate, and community association managers.....	743	48.6	81.8	11.6	3.5	14.4
Social and community service managers.....	390	70.2	78.1	13.7	4.0	8.6
Emergency management directors.....	11	—	—	—	—	—
Managers, all other.....	4,398	35.8	83.2	7.4	7.0	9.4
Business and financial operations occupations.....	7,574	54.0	80.7	9.4	7.5	10.2
Agents and business managers of artists, performers, and athletes.....	50	44.4	77.3	15.9	6.1	4.0
Buyers and purchasing agents, farm products.....	11	—	—	—	—	—
Wholesale and retail buyers, except farm products.....	194	55.8	84.2	7.7	6.2	9.0
Purchasing agents, except wholesale, retail, and farm products.....	270	44.1	82.7	9.4	6.1	11.9
Claims adjusters, appraisers, examiners, and investigators.....	350	61.7	77.0	18.2	3.0	11.4
Compliance officers.....	260	57.6	80.1	11.9	5.9	9.0
Cost estimators.....	118	12.9	94.4	3.1	2.2	8.5
Human resources workers.....	736	72.1	80.2	11.8	5.7	13.8
Compensation, benefits, and job analysis specialists.....	59	72.3	72.2	21.5	2.3	15.7
Training and development specialists.....	133	47.1	81.6	12.4	1.1	18.2
Logisticians.....	112	34.8	70.9	17.1	7.4	11.7
Management analysts.....	937	42.3	77.2	9.1	11.2	7.4
Meeting, convention, and event planners.....	137	85.1	91.6	4.7	1.4	9.0
Fundraisers.....	84	77.3	88.4	8.8	0.2	2.6
Market research analysts and marketing specialists.....	344	60.8	84.2	5.4	7.7	9.0
Business operations specialists, all other.....	273	52.5	79.2	9.1	9.3	13.6
Accountants and auditors.....	1,804	60.3	79.5	8.2	9.7	9.6
Appraisers and assessors of real estate.....	97	37.4	88.8	9.0	1.8	11.0
Budget analysts.....	53	46.8	71.1	12.5	9.7	11.1
Credit analysts.....	29	—	—	—	—	—
Financial analysts.....	309	36.5	75.6	8.8	12.5	6.9
Personal financial advisors.....	525	32.0	87.0	4.8	6.6	8.3
Insurance underwriters.....	104	63.8	85.5	8.8	5.4	8.1

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[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Financial examiners.....	15	—	—	—	—	—
Credit counselors and loan officers.....	353	56.5	83.8	8.5	4.2	14.2
Tax examiners and collectors, and revenue agents.....	65	58.4	77.2	11.1	9.8	14.8
Tax preparers.....	107	63.1	78.3	17.2	4.0	14.9
Financial specialists, all other.....	45	—	—	—	—	—
Professional and related occupations.....	35,522	57.0	77.9	10.3	9.3	9.3
Computer and mathematical occupations.....	4,804	25.5	67.8	8.7	20.8	7.3
Computer and information research scientists.....	24	—	—	—	—	—
Computer systems analysts.....	554	38.9	70.9	9.7	16.6	7.2
Information security analysts.....	105	20.2	68.5	15.6	12.6	4.6
Computer programmers.....	473	21.2	65.9	7.1	25.4	5.3
Software developers, applications and systems software.....	1,536	18.7	59.3	5.6	32.4	6.2
Web developers.....	204	32.3	82.0	4.5	9.8	5.8
Computer support specialists.....	532	27.1	70.7	14.6	11.3	10.3
Database administrators.....	96	40.6	70.6	10.1	18.1	6.2
Network and computer systems administrators.....	210	23.5	79.5	6.3	11.8	10.9
Computer network architects.....	106	4.2	73.1	10.6	15.2	3.1
Computer occupations, all other.....	693	22.6	73.5	11.4	11.9	9.7
Actuaries.....	29	—	—	—	—	—
Mathematicians.....	3	—	—	—	—	—
Operations research analysts.....	147	51.5	70.9	12.4	15.3	7.3
Statisticians.....	87	48.8	63.1	9.0	22.4	6.4
Miscellaneous mathematical science occupations.....	3	—	—	—	—	—
Architecture and engineering occupations.....	3,224	16.2	79.3	5.6	12.7	8.7
Architects, except naval.....	253	28.6	82.5	2.1	14.0	7.7
Surveyors, cartographers, and photogrammetrists.....	43	—	—	—	—	—
Aerospace engineers.....	148	8.9	79.1	8.1	11.4	5.5
Agricultural engineers.....	2	—	—	—	—	—
Biomedical engineers.....	17	—	—	—	—	—
Chemical engineers.....	77	16.9	91.0	1.7	7.0	4.1
Civil engineers.....	461	14.4	82.5	6.4	7.1	10.7
Computer hardware engineers.....	80	17.2	55.4	5.8	38.3	7.8
Electrical and electronics engineers.....	284	12.3	74.6	3.5	19.5	9.0
Environmental engineers.....	38	—	—	—	—	—
Industrial engineers, including health and safety.....	221	22.6	80.8	5.3	11.6	6.2
Marine engineers and naval architects.....	12	—	—	—	—	—
Materials engineers.....	32	—	—	—	—	—
Mechanical engineers.....	344	9.2	84.2	3.6	11.1	6.0
Mining and geological engineers, including mining safety engineers.....	11	—	—	—	—	—
Nuclear engineers.....	8	—	—	—	—	—
Petroleum engineers.....	24	—	—	—	—	—
Engineers, all other.....	582	14.1	73.1	6.9	17.8	9.4
Drafters.....	137	20.8	89.9	6.2	2.4	16.5
Engineering technicians, except drafters.....	375	20.0	76.9	8.9	10.7	10.3
Surveying and mapping technicians.....	73	4.6	90.3	2.1	1.7	10.1
Life, physical, and social science occupations.....	1,431	47.4	76.4	5.7	15.8	9.0
Agricultural and food scientists.....	32	—	—	—	—	—
Biological scientists.....	98	54.4	81.2	3.1	13.1	7.9
Conservation scientists and foresters.....	29	—	—	—	—	—
Medical scientists.....	161	52.1	66.4	6.6	26.2	6.7
Life scientists, all other.....	3	—	—	—	—	—
Astronomers and physicists.....	18	—	—	—	—	—
Atmospheric and space scientists.....	7	—	—	—	—	—
Chemists and materials scientists.....	105	38.3	66.7	11.3	20.8	5.9
Environmental scientists and geoscientists.....	84	35.8	90.8	5.0	0.7	4.8
Physical scientists, all other.....	301	47.3	61.2	4.0	32.1	7.9
Economists.....	28	—	—	—	—	—
Survey researchers.....	3	—	—	—	—	—
Psychologists.....	187	68.9	89.5	6.5	3.6	8.5

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ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Sociologists.....	2	—	—	—	—	—
Urban and regional planners.....	32	—	—	—	—	—
Miscellaneous social scientists and related workers.....	41	—	—	—	—	—
Agricultural and food science technicians.....	32	—	—	—	—	—
Biological technicians.....	23	—	—	—	—	—
Chemical technicians.....	57	27.4	79.8	7.3	7.8	14.3
Geological and petroleum technicians.....	13	—	—	—	—	—
Nuclear technicians.....	7	—	—	—	—	—
Social science research assistants.....	4	—	—	—	—	—
Miscellaneous life, physical, and social science technicians.....	164	47.7	80.2	5.7	11.8	13.4
Community and social service occupations.....	2,635	66.1	73.1	19.9	3.8	12.4
Counselors.....	853	72.3	72.3	21.4	2.9	13.0
Social workers.....	802	82.5	69.5	23.5	4.0	14.0
Probation officers and correctional treatment specialists.....	99	63.5	63.8	26.7	5.3	11.1
Social and human service assistants.....	232	75.3	68.4	22.8	3.1	19.0
Miscellaneous community and social service specialists, including health educators and community health workers.....	76	74.8	68.9	19.6	7.0	17.3
Clergy.....	406	17.0	81.3	12.1	4.6	6.1
Directors, religious activities and education.....	81	54.1	88.9	7.1	3.6	6.0
Religious workers, all other.....	85	65.3	86.7	5.0	5.2	5.0
Legal occupations.....	1,827	52.8	86.6	6.9	4.3	8.6
Lawyers.....	1,137	37.4	88.6	5.6	4.4	4.8
Judicial law clerks.....	14	—	—	—	—	—
Judges, magistrates, and other judicial workers.....	66	28.1	87.3	12.7	0.0	7.0
Paralegals and legal assistants.....	424	86.3	82.9	7.7	4.8	17.5
Miscellaneous legal support workers.....	186	80.2	83.7	10.8	3.0	12.9
Education, training, and library occupations.....	9,215	73.0	82.0	10.7	4.9	10.5
Postsecondary teachers.....	1,423	47.0	77.7	8.4	11.7	6.4
Preschool and kindergarten teachers.....	712	97.7	77.1	16.2	3.4	14.1
Elementary and middle school teachers.....	3,268	79.3	85.2	10.1	2.9	10.1
Secondary school teachers.....	1,039	58.5	86.2	8.6	2.8	9.4
Special education teachers.....	422	85.6	86.2	10.0	2.4	7.9
Other teachers and instructors.....	907	65.4	78.8	11.1	6.3	11.9
Archivists, curators, and museum technicians.....	59	61.4	80.2	6.4	7.8	1.7
Librarians.....	194	79.5	86.3	6.4	5.2	10.4
Library technicians.....	40	—	—	—	—	—
Teacher assistants.....	989	88.5	78.0	14.6	4.2	17.3
Other education, training, and library workers.....	161	67.7	78.5	12.6	5.3	6.0
Arts, design, entertainment, sports, and media occupations.....	3,246	46.9	83.9	7.3	5.3	10.2
Artists and related workers.....	236	51.9	89.6	3.5	4.5	10.8
Designers.....	908	52.8	84.2	5.1	7.6	12.0
Actors.....	40	—	—	—	—	—
Producers and directors.....	180	29.8	87.8	5.2	4.6	8.9
Athletes, coaches, umpires, and related workers.....	345	36.4	88.2	5.0	3.0	8.5
Dancers and choreographers.....	21	—	—	—	—	—
Musicians, singers, and related workers.....	188	37.7	75.6	17.3	4.3	6.7
Entertainers and performers, sports and related workers, all other.....	67	48.1	74.1	9.2	9.9	7.5
Announcers.....	50	23.1	77.5	12.0	7.1	8.5
News analysts, reporters and correspondents.....	84	55.3	73.0	13.4	7.9	16.4
Public relations specialists.....	118	60.9	87.9	8.3	2.6	5.7
Editors.....	174	54.1	90.9	3.8	2.9	4.1
Technical writers.....	76	60.2	84.6	6.7	5.6	1.2
Writers and authors.....	226	60.9	86.3	6.3	3.2	4.6
Miscellaneous media and communication workers.....	112	64.2	70.6	9.5	14.3	32.9
Broadcast and sound engineering technicians and radio operators.....	119	14.4	78.2	14.0	3.7	16.8
Photographers.....	214	46.0	84.4	9.1	3.0	8.7
Television, video, and motion picture camera operators and editors.....	82	12.2	86.1	7.2	1.9	7.6

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Media and communication equipment workers, all other.....	5	—	—	—	—	—
Healthcare practitioners and technical occupations.....	9,141	75.0	76.5	11.9	9.4	8.2
Chiropractors.....	51	21.1	97.4	0.1	1.7	5.1
Dentists.....	159	35.8	81.6	3.7	13.5	4.7
Dietitians and nutritionists.....	114	94.1	79.7	12.8	5.6	9.0
Optometrists.....	51	50.2	91.9	0.0	7.9	3.2
Pharmacists.....	342	57.5	68.5	8.2	21.7	4.5
Physicians and surgeons.....	1,079	40.0	72.0	8.2	18.1	6.8
Physician assistants.....	116	70.9	86.0	4.7	7.9	5.1
Podiatrists.....	12	—	—	—	—	—
Audiologists.....	15	—	—	—	—	—
Occupational therapists.....	122	87.6	82.9	8.7	6.4	6.2
Physical therapists.....	258	68.2	78.2	5.3	14.7	5.0
Radiation therapists.....	10	—	—	—	—	—
Recreational therapists.....	7	—	—	—	—	—
Respiratory therapists.....	100	72.4	73.3	16.6	10.0	8.8
Speech-language pathologists.....	141	98.0	93.0	2.8	2.7	10.5
Exercise physiologists.....	5	—	—	—	—	—
Therapists, all other.....	221	83.3	81.8	12.5	3.3	10.2
Veterinarians.....	89	62.5	91.2	2.1	3.7	3.6
Registered nurses.....	3,159	89.9	76.7	12.3	8.7	6.9
Nurse anesthetists.....	35	—	—	—	—	—
Nurse midwives.....	7	—	—	—	—	—
Nurse practitioners.....	175	92.2	84.7	10.6	4.0	3.4
Health diagnosing and treating practitioners, all other.....	39	—	—	—	—	—
Clinical laboratory technologists and technicians.....	376	69.3	71.2	17.1	9.4	11.0
Dental hygienists.....	168	94.9	88.6	7.0	2.4	11.9
Diagnostic related technologists and technicians.....	319	70.8	84.3	8.2	6.4	12.5
Emergency medical technicians and paramedics.....	223	30.6	83.9	9.7	3.1	8.4
Health practitioner support technologists and technicians.....	632	79.4	75.6	13.5	7.3	14.3
Licensed practical and licensed vocational nurses.....	630	89.5	64.0	28.4	5.4	12.4
Medical records and health information technicians.....	167	91.7	74.6	13.2	6.9	9.8
Opticians, dispensing.....	48	—	—	—	—	—
Miscellaneous health technologists and technicians.....	160	66.0	66.8	18.5	10.4	10.0
Other healthcare practitioners and technical occupations.....	110	46.5	84.0	9.0	6.5	9.4
Service occupations.....	26,751	56.6	72.6	16.8	5.9	24.0
Healthcare support occupations.....	3,506	87.1	65.6	25.1	5.2	18.8
Nursing, psychiatric, and home health aides.....	1,936	88.6	56.4	33.9	5.6	16.7
Occupational therapy assistants and aides.....	27	—	—	—	—	—
Physical therapist assistants and aides.....	83	67.2	88.0	5.2	5.6	11.0
Massage therapists.....	172	82.7	83.7	4.6	6.7	12.4
Dental assistants.....	299	95.9	82.9	7.9	5.0	29.1
Medical assistants.....	539	91.6	76.2	15.0	4.0	27.9
Medical transcriptionists.....	36	—	—	—	—	—
Pharmacy aides.....	39	—	—	—	—	—
Veterinary assistants and laboratory animal caretakers.....	61	84.2	86.4	2.3	6.0	8.4
Phlebotomists.....	112	83.8	64.7	27.6	5.9	17.2
Miscellaneous healthcare support occupations, including medical equipment preparers.....	200	70.5	60.3	31.4	4.1	16.1
Protective service occupations.....	3,113	22.3	72.6	20.5	2.9	12.8
First-line supervisors of correctional officers.....	52	29.9	77.7	13.1	3.8	10.1
First-line supervisors of police and detectives.....	95	12.5	81.1	14.1	0.9	7.1
First-line supervisors of fire fighting and prevention workers.....	44	—	—	—	—	—
First-line supervisors of protective service workers, all other.....	72	22.0	74.7	15.0	5.4	10.0
Firefighters.....	283	3.5	88.5	7.5	1.0	7.7
Fire inspectors.....	27	—	—	—	—	—
Bailiffs, correctional officers, and jailers.....	408	28.5	67.4	29.0	1.8	13.5
Detectives and criminal investigators.....	136	23.2	87.1	11.6	0.9	14.1
Fish and game wardens.....	4	—	—	—	—	—
Parking enforcement workers.....	6	—	—	—	—	—

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Police and sheriff's patrol officers.....	704	13.6	79.8	13.9	2.4	10.9
Transit and railroad police.....	7	—	—	—	—	—
Animal control workers.....	15	—	—	—	—	—
Private detectives and investigators.....	94	48.8	79.0	13.8	4.6	11.3
Security guards and gaming surveillance officers.....	920	24.3	57.5	32.3	4.4	17.0
Crossing guards.....	63	52.2	69.4	21.5	4.7	20.9
Transportation security screeners.....	46	—	—	—	—	—
Lifeguards and other recreational, and all other protective service workers.....	136	49.6	88.5	4.1	2.5	9.4
Food preparation and serving related occupations.....	8,305	53.8	74.4	13.9	6.2	25.5
Chefs and head cooks.....	465	19.7	65.0	16.4	13.9	21.0
First-line supervisors of food preparation and serving workers.....	519	54.8	74.8	17.0	3.7	18.9
Cooks.....	2,079	39.3	73.2	16.8	5.1	35.4
Food preparation workers.....	1,068	58.9	72.2	14.5	6.5	27.4
Bartenders.....	417	57.3	85.5	7.2	2.8	14.1
Combined food preparation and serving workers, including fast food.....	372	60.0	70.0	17.3	4.4	22.8
Counter attendants, cafeteria, food concession, and coffee shop.....	225	62.1	72.0	16.9	5.0	21.3
Waiters and waitresses.....	2,016	69.9	78.2	9.2	7.6	20.9
Food servers, nonrestaurant.....	207	69.9	69.9	18.5	7.0	21.8
Dining room and cafeteria attendants and bartender helpers.....	334	45.9	76.4	9.9	7.8	27.9
Dishwashers.....	274	19.5	70.9	19.9	2.9	31.2
Hosts and hostesses, restaurant, lounge, and coffee shop.....	324	85.9	74.8	12.9	3.3	17.1
Food preparation and serving related workers, all other.....	4	—	—	—	—	—
Building and grounds cleaning and maintenance occupations.....	5,888	40.7	77.4	14.9	3.3	38.0
First-line supervisors of housekeeping and janitorial workers.....	326	41.1	79.9	12.0	4.6	28.5
First-line supervisors of landscaping, lawn service, and groundskeeping workers.....	255	8.0	91.6	5.4	1.2	21.5
Janitors and building cleaners.....	2,307	35.2	72.5	18.6	3.8	31.7
Maids and housekeeping cleaners.....	1,527	88.0	74.3	17.9	3.9	49.4
Pest control workers.....	108	6.5	82.0	11.4	1.4	13.3
Grounds maintenance workers.....	1,365	5.9	85.6	7.9	2.0	43.1
Personal care and service occupations.....	5,939	76.1	69.5	16.1	10.2	17.1
First-line supervisors of gaming workers.....	208	44.3	82.4	7.7	4.7	6.8
First-line supervisors of personal service workers.....	232	66.2	63.8	15.4	18.8	11.1
Animal trainers.....	49	—	—	—	—	—
Nonfarm animal caretakers.....	263	78.4	90.8	2.8	1.6	13.6
Gaming services workers.....	90	46.7	45.1	8.9	34.0	10.2
Motion picture projectionists.....	1	—	—	—	—	—
Ushers, lobby attendants, and ticket takers.....	37	—	—	—	—	—
Miscellaneous entertainment attendants and related workers.....	224	42.9	75.9	16.1	1.8	18.6
Embalmers and funeral attendants.....	17	—	—	—	—	—
Morticians, undertakers, and funeral directors.....	42	—	—	—	—	—
Barbers.....	135	15.6	50.7	38.1	5.1	24.1
Hairdressers, hairstylists, and cosmetologists.....	806	92.6	76.7	13.5	5.6	16.3
Miscellaneous personal appearance workers.....	397	81.8	27.2	8.3	62.3	9.1
Baggage porters, bellhops, and concierges.....	89	31.1	60.1	24.9	8.3	27.5
Tour and travel guides.....	68	46.4	81.2	4.5	5.3	8.8
Childcare workers.....	1,225	93.7	77.3	15.4	4.3	22.3
Personal care aides.....	1,365	83.7	62.0	24.8	9.1	20.7
Recreation and fitness workers.....	480	62.3	80.1	11.4	3.5	9.6
Residential advisors.....	44	—	—	—	—	—
Personal care and service workers, all other.....	167	60.1	74.6	14.6	4.9	17.8
Sales and office occupations.....	33,566	61.3	78.5	13.0	5.0	15.9
Sales and related occupations.....	15,815	49.1	79.9	11.1	5.6	15.9
First-line supervisors of retail sales workers.....	3,272	43.4	81.6	9.4	6.2	15.0
First-line supervisors of non-retail sales workers.....	1,220	30.0	84.6	6.8	5.4	13.3
Cashiers.....	3,253	72.7	70.2	17.9	6.4	22.3
Counter and rental clerks.....	109	48.9	78.4	12.7	7.0	18.6
Parts salespersons.....	130	7.2	88.8	4.5	2.5	21.9

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Retail salespersons.....	3,235	48.2	77.6	12.8	5.7	17.2
Advertising sales agents.....	241	50.4	80.7	14.8	3.9	10.6
Insurance sales agents.....	624	51.8	81.3	10.0	5.9	11.9
Securities, commodities, and financial services sales agents.....	262	34.0	85.8	6.0	5.1	10.3
Travel agents.....	89	82.7	81.9	11.2	6.4	13.0
Sales representatives, services, all other.....	525	27.1	88.5	6.4	3.2	12.9
Sales representatives, wholesale and manufacturing.....	1,264	28.0	89.9	4.6	3.7	10.1
Models, demonstrators, and product promoters.....	61	78.4	82.4	6.0	8.7	12.8
Real estate brokers and sales agents.....	997	57.1	85.7	7.2	4.8	11.5
Sales engineers.....	35	—	—	—	—	—
Telemarketers.....	58	69.4	61.3	24.7	7.0	25.8
Door-to-door sales workers, news and street vendors, and related workers.....	166	58.4	82.9	11.0	5.4	22.0
Sales and related workers, all other.....	276	50.3	84.2	9.5	4.9	8.1
Office and administrative support occupations.....	17,751	72.2	77.3	14.6	4.5	15.9
First-line supervisors of office and administrative support workers.....	1,425	70.1	80.3	13.4	4.0	11.6
Switchboard operators, including answering service.....	23	—	—	—	—	—
Telephone operators.....	47	—	—	—	—	—
Communications equipment operators, all other.....	9	—	—	—	—	—
Bill and account collectors.....	139	71.3	70.7	22.9	3.1	18.9
Billing and posting clerks.....	473	85.9	79.4	13.6	3.8	13.1
Bookkeeping, accounting, and auditing clerks.....	1,089	88.7	87.4	6.9	3.7	11.3
Gaming cage workers.....	14	—	—	—	—	—
Payroll and timekeeping clerks.....	129	89.5	75.6	14.3	4.2	17.7
Procurement clerks.....	30	—	—	—	—	—
Tellers.....	306	85.2	79.9	12.6	5.0	16.4
Financial clerks, all other.....	82	60.8	78.3	16.0	3.9	17.8
Brokerage clerks.....	7	—	—	—	—	—
Correspondence clerks.....	7	—	—	—	—	—
Court, municipal, and license clerks.....	90	75.2	75.8	15.6	2.0	16.6
Credit authorizers, checkers, and clerks.....	55	63.8	90.5	3.2	5.7	17.3
Customer service representatives.....	2,494	65.1	73.2	17.2	5.4	17.4
Eligibility interviewers, government programs.....	62	76.7	58.8	26.8	10.0	21.9
File clerks.....	182	81.4	77.2	13.6	6.9	17.8
Hotel, motel, and resort desk clerks.....	125	60.9	64.8	21.5	7.8	15.7
Interviewers, except eligibility and loan.....	142	85.0	71.9	18.0	2.8	21.2
Library assistants, clerical.....	96	80.1	81.3	8.6	5.1	10.4
Loan interviewers and clerks.....	120	80.4	77.6	15.3	5.1	14.6
New accounts clerks.....	32	—	—	—	—	—
Order clerks.....	107	54.9	66.2	18.8	8.0	14.4
Human resources assistants, except payroll and timekeeping.....	45	—	—	—	—	—
Receptionists and information clerks.....	1,267	91.0	79.9	12.8	3.5	19.7
Reservation and transportation ticket agents and travel clerks.....	127	58.0	60.8	25.3	5.9	15.1
Information and record clerks, all other.....	110	78.1	75.5	10.1	5.2	15.0
Cargo and freight agents.....	16	—	—	—	—	—
Couriers and messengers.....	239	19.4	67.3	25.5	5.5	18.1
Dispatchers.....	292	57.4	81.7	11.6	2.0	16.9
Meter readers, utilities.....	18	—	—	—	—	—
Postal service clerks.....	111	55.3	70.8	22.4	4.8	15.9
Postal service mail carriers.....	306	40.8	67.4	22.2	5.6	14.4
Postal service mail sorters, processors, and processing machine operators.....	50	56.7	51.0	38.4	7.9	3.8
Production, planning, and expediting clerks.....	270	53.9	81.6	7.8	6.7	9.7
Shipping, receiving, and traffic clerks.....	623	31.3	72.2	20.4	3.7	27.0
Stock clerks and order fillers.....	1,525	37.9	74.0	18.4	4.2	20.6
Weighers, measurers, checkers, and samplers, recordkeeping.....	52	46.8	85.9	7.4	3.5	29.0
Secretaries and administrative assistants.....	2,769	95.0	83.7	9.3	3.6	12.4
Computer operators.....	73	60.2	74.8	14.0	6.3	7.4
Data entry keyers.....	267	79.6	72.4	16.5	8.5	15.2
Word processors and typists.....	94	89.8	69.7	21.1	6.8	13.9

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Desktop publishers.....	2	—	—	—	—	—
Insurance claims and policy processing clerks.....	237	84.3	70.8	20.3	4.2	14.9
Mail clerks and mail machine operators, except postal service.....	61	36.8	67.4	24.4	3.0	11.9
Office clerks, general.....	1,271	83.1	75.1	14.8	6.3	18.4
Office machine operators, except computer.....	33	—	—	—	—	—
Proofreaders and copy markers.....	10	—	—	—	—	—
Statistical assistants.....	21	—	—	—	—	—
Office and administrative support workers, all other.....	576	75.2	77.6	15.1	3.7	12.5
Natural resources, construction, and maintenance occupations.....	14,193	5.1	86.9	7.3	2.2	30.7
Farming, fishing, and forestry occupations.....	1,184	23.4	89.3	4.9	1.7	44.3
First-line supervisors of farming, fishing, and forestry workers.....	62	8.7	87.2	6.6	4.4	27.1
Agricultural inspectors.....	18	—	—	—	—	—
Animal breeders.....	2	—	—	—	—	—
Graders and sorters, agricultural products.....	110	67.1	80.4	12.4	4.2	48.8
Miscellaneous agricultural workers.....	854	21.5	91.7	3.3	1.3	51.1
Fishers and related fishing workers.....	44	—	—	—	—	—
Hunters and trappers.....	1	—	—	—	—	—
Forest and conservation workers.....	27	—	—	—	—	—
Logging workers.....	66	2.0	82.9	10.3	0.0	9.1
Construction and extraction occupations.....	8,031	3.0	87.8	6.9	1.6	36.0
First-line supervisors of construction trades and extraction workers..	639	3.0	89.8	5.4	1.2	24.5
Boilermakers.....	15	—	—	—	—	—
Brickmasons, blockmasons, and stonemasons.....	166	0.7	84.6	7.1	1.2	45.1
Carpenters.....	1,351	2.2	89.3	5.3	1.7	35.4
Carpet, floor, and tile installers and finishers.....	183	2.4	87.2	6.9	1.3	47.4
Cement masons, concrete finishers, and terrazzo workers.....	54	1.0	90.4	8.5	0.0	46.7
Construction laborers.....	1,946	3.3	85.9	8.6	1.7	46.9
Paving, surfacing, and tamping equipment operators.....	15	—	—	—	—	—
Pile-driver operators.....	2	—	—	—	—	—
Operating engineers and other construction equipment operators....	358	1.5	90.4	5.2	0.8	19.3
Drywall installers, ceiling tile installers, and tapers.....	156	2.7	91.7	3.8	0.6	63.9
Electricians.....	857	2.5	87.9	6.7	2.5	19.1
Glaziers.....	44	—	—	—	—	—
Insulation workers.....	58	3.1	82.1	9.6	0.0	42.6
Painters, construction and maintenance.....	540	6.6	89.7	5.9	1.5	53.4
Paperhangers.....	4	—	—	—	—	—
Pipelayers, plumbers, pipefitters, and steamfitters.....	600	2.2	86.6	9.0	1.5	27.1
Plasterers and stucco masons.....	27	—	—	—	—	—
Reinforcing iron and rebar workers.....	12	—	—	—	—	—
Roofers.....	220	0.6	86.6	6.9	2.5	56.1
Sheet metal workers.....	137	2.6	91.4	4.3	1.6	18.7
Structural iron and steel workers.....	43	—	—	—	—	—
Solar photovoltaic installers.....	11	—	—	—	—	—
Helpers, construction trades.....	69	9.4	88.2	3.8	2.1	38.3
Construction and building inspectors.....	89	10.2	85.5	9.8	2.2	11.2
Elevator installers and repairers.....	40	—	—	—	—	—
Fence erectors.....	34	—	—	—	—	—
Hazardous materials removal workers.....	30	—	—	—	—	—
Highway maintenance workers.....	101	2.7	79.4	13.7	0.1	15.5
Rail-track laying and maintenance equipment operators.....	17	—	—	—	—	—
Septic tank servicers and sewer pipe cleaners.....	10	—	—	—	—	—
Miscellaneous construction and related workers.....	24	—	—	—	—	—
Derrick, rotary drill, and service unit operators, oil, gas, and mining..	30	—	—	—	—	—
Earth drillers, except oil and gas.....	23	—	—	—	—	—
Explosives workers, ordnance handling experts, and blasters.....	10	—	—	—	—	—
Mining machine operators.....	51	1.1	85.8	7.8	2.7	23.9
Roof bolters, mining.....	2	—	—	—	—	—
Roustabouts, oil and gas.....	4	—	—	—	—	—
Helpers--extraction workers.....	4	—	—	—	—	—

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Other extraction workers.....	54	2.9	93.1	2.0	0.0	35.7
Installation, maintenance, and repair occupations.....	4,977	4.0	85.0	8.6	3.3	19.0
First-line supervisors of mechanics, installers, and repairers.....	253	8.4	84.0	9.4	4.1	12.8
Computer, automated teller, and office machine repairers.....	212	11.3	73.8	12.7	10.2	17.1
Radio and telecommunications equipment installers and repairers... ..	134	8.1	85.3	7.3	6.1	19.7
Avionics technicians.....	9	—	—	—	—	—
Electric motor, power tool, and related repairers.....	28	—	—	—	—	—
Electrical and electronics installers and repairers, transportation equipment.....	1	—	—	—	—	—
Electrical and electronics repairers, industrial and utility.....	12	—	—	—	—	—
Electronic equipment installers and repairers, motor vehicles.....	11	—	—	—	—	—
Electronic home entertainment equipment installers and repairers... ..	50	2.8	81.9	14.2	3.7	26.5
Security and fire alarm systems installers.....	77	2.6	78.4	11.0	5.8	24.1
Aircraft mechanics and service technicians.....	150	5.2	83.0	5.6	7.8	13.9
Automotive body and related repairers.....	140	1.1	86.0	6.1	2.9	31.6
Automotive glass installers and repairers.....	22	—	—	—	—	—
Automotive service technicians and mechanics.....	902	2.4	84.1	8.7	3.8	23.2
Bus and truck mechanics and diesel engine specialists.....	401	1.8	85.6	9.4	1.3	18.1
Heavy vehicle and mobile equipment service technicians and mechanics.....	201	2.6	91.8	4.5	1.4	11.5
Small engine mechanics.....	44	—	—	—	—	—
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers.....	83	1.8	85.6	7.5	4.4	32.2
Control and valve installers and repairers.....	26	—	—	—	—	—
Heating, air conditioning, and refrigeration mechanics and installers.....	448	2.0	90.6	5.4	2.4	17.9
Home appliance repairers.....	41	—	—	—	—	—
Industrial and refractory machinery mechanics.....	424	3.9	85.8	7.8	3.4	16.5
Maintenance and repair workers, general.....	528	4.5	85.9	8.9	2.1	19.7
Maintenance workers, machinery.....	27	—	—	—	—	—
Millwrights.....	40	—	—	—	—	—
Electrical power-line installers and repairers.....	129	0.6	89.8	7.8	0.0	11.6
Telecommunications line installers and repairers.....	189	2.7	78.3	18.4	1.7	19.1
Precision instrument and equipment repairers.....	63	14.6	80.9	14.7	1.4	10.9
Wind turbine service technicians.....	5	—	—	—	—	—
Coin, vending, and amusement machine servicers and repairers... ..	34	—	—	—	—	—
Commercial divers.....	0	—	—	—	—	—
Locksmiths and safe repairers.....	35	—	—	—	—	—
Manufactured building and mobile home installers.....	4	—	—	—	—	—
Riggers.....	14	—	—	—	—	—
Signal and track switch repairers.....	9	—	—	—	—	—
Helpers--installation, maintenance, and repair workers.....	18	—	—	—	—	—
Other installation, maintenance, and repair workers.....	215	5.9	86.7	6.4	2.3	23.5
Production, transportation, and material moving occupations.....	17,927	22.8	74.2	16.6	5.3	22.2
Production occupations.....	8,482	28.9	76.8	13.3	6.2	22.8
First-line supervisors of production and operating workers.....	768	19.1	82.2	10.4	3.7	16.7
Aircraft structure, surfaces, rigging, and systems assemblers.....	1	—	—	—	—	—
Electrical, electronics, and electromechanical assemblers.....	128	42.1	63.5	15.3	17.2	18.2
Engine and other machine assemblers.....	13	—	—	—	—	—
Structural metal fabricators and fitters.....	30	—	—	—	—	—
Miscellaneous assemblers and fabricators.....	1,033	37.7	68.0	20.8	8.0	18.9
Bakers.....	215	60.1	71.3	15.6	8.5	31.5
Butchers and other meat, poultry, and fish processing workers... ..	269	24.3	68.5	19.8	7.2	35.3
Food and tobacco roasting, baking, and drying machine operators and tenders.....	12	—	—	—	—	—
Food batchmakers.....	89	58.1	77.2	12.4	6.6	26.2
Food cooking machine operators and tenders.....	15	—	—	—	—	—
Food processing workers, all other.....	175	32.5	62.8	24.1	7.0	37.3
Computer control programmers and operators.....	99	9.8	82.8	9.8	5.6	10.7

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Extruding and drawing machine setters, operators, and tenders, metal and plastic.....	19	—	—	—	—	—
Forging machine setters, operators, and tenders, metal and plastic..	8	—	—	—	—	—
Rolling machine setters, operators, and tenders, metal and plastic...	8	—	—	—	—	—
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic.....	80	11.0	82.6	10.0	4.7	12.5
Drilling and boring machine tool setters, operators, and tenders, metal and plastic.....	4	—	—	—	—	—
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic.....	38	—	—	—	—	—
Lathe and turning machine tool setters, operators, and tenders, metal and plastic.....	14	—	—	—	—	—
Milling and planing machine setters, operators, and tenders, metal and plastic.....	5	—	—	—	—	—
Machinists.....	366	5.0	86.1	4.4	6.3	13.9
Metal furnace operators, tenders, pourers, and casters.....	19	—	—	—	—	—
Model makers and patternmakers, metal and plastic.....	5	—	—	—	—	—
Molders and molding machine setters, operators, and tenders, metal and plastic.....	45	—	—	—	—	—
Multiple machine tool setters, operators, and tenders, metal and plastic.....	5	—	—	—	—	—
Tool and die makers.....	62	3.2	97.6	1.1	0.7	6.9
Welding, soldering, and brazing workers.....	600	4.5	87.4	7.5	1.1	24.3
Heat treating equipment setters, operators, and tenders, metal and plastic.....	3	—	—	—	—	—
Layout workers, metal and plastic.....	12	—	—	—	—	—
Plating and coating machine setters, operators, and tenders, metal and plastic.....	17	—	—	—	—	—
Tool grinders, filers, and sharpeners.....	6	—	—	—	—	—
Metal workers and plastic workers, all other.....	388	20.5	71.1	14.9	9.5	23.1
Prepress technicians and workers.....	24	—	—	—	—	—
Printing press operators.....	173	17.7	85.0	6.6	5.8	22.2
Print binding and finishing workers.....	11	—	—	—	—	—
Laundry and dry-cleaning workers.....	151	68.0	66.1	18.5	8.0	38.7
Pressers, textile, garment, and related materials.....	30	—	—	—	—	—
Sewing machine operators.....	197	73.2	72.0	8.0	16.0	42.2
Shoe and leather workers and repairers.....	5	—	—	—	—	—
Shoe machine operators and tenders.....	5	—	—	—	—	—
Tailors, dressmakers, and sewers.....	77	75.9	79.1	9.5	8.9	29.6
Textile bleaching and dyeing machine operators and tenders.....	1	—	—	—	—	—
Textile cutting machine setters, operators, and tenders.....	8	—	—	—	—	—
Textile knitting and weaving machine setters, operators, and tenders.....	19	—	—	—	—	—
Textile winding, twisting, and drawing out machine setters, operators, and tenders.....	16	—	—	—	—	—
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers.....	0	—	—	—	—	—
Fabric and apparel patternmakers.....	3	—	—	—	—	—
Upholsterers.....	31	—	—	—	—	—
Textile, apparel, and furnishings workers, all other.....	18	—	—	—	—	—
Cabinetmakers and bench carpenters.....	49	—	—	—	—	—
Furniture finishers.....	15	—	—	—	—	—
Model makers and patternmakers, wood.....	1	—	—	—	—	—
Sawing machine setters, operators, and tenders, wood.....	27	—	—	—	—	—
Woodworking machine setters, operators, and tenders, except sawing.....	19	—	—	—	—	—
Woodworkers, all other.....	28	—	—	—	—	—
Power plant operators, distributors, and dispatchers.....	38	—	—	—	—	—
Stationary engineers and boiler operators.....	76	3.3	84.8	8.2	5.5	13.0
Water and wastewater treatment plant and system operators.....	107	3.8	90.2	6.3	1.0	11.5
Miscellaneous plant and system operators.....	42	—	—	—	—	—
Chemical processing machine setters, operators, and tenders.....	55	5.7	79.3	15.7	3.0	15.8

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Crushing, grinding, polishing, mixing, and blending workers.....	72	14.0	75.4	15.3	2.2	15.0
Cutting workers.....	62	25.3	78.7	12.4	5.2	30.1
Extruding, forming, pressing, and compacting machine setters, operators, and tenders.....	21	—	—	—	—	—
Furnace, kiln, oven, drier, and kettle operators and tenders.....	10	—	—	—	—	—
Inspectors, testers, sorters, samplers, and weighers.....	793	37.9	74.7	13.6	8.8	18.9
Jewelers and precious stone and metal workers.....	43	—	—	—	—	—
Medical, dental, and ophthalmic laboratory technicians.....	70	63.1	73.3	14.6	9.7	14.4
Packaging and filling machine operators and tenders.....	292	52.8	68.5	17.6	9.2	41.8
Painting workers.....	157	12.6	82.1	9.6	2.5	32.9
Photographic process workers and processing machine operators.....	31	—	—	—	—	—
Semiconductor processors.....	3	—	—	—	—	—
Adhesive bonding machine operators and tenders.....	6	—	—	—	—	—
Cleaning, washing, and metal pickling equipment operators and tenders.....	11	—	—	—	—	—
Cooling and freezing equipment operators and tenders.....	3	—	—	—	—	—
Etchers and engravers.....	11	—	—	—	—	—
Molders, shapers, and casters, except metal and plastic.....	35	—	—	—	—	—
Paper goods machine setters, operators, and tenders.....	29	—	—	—	—	—
Tire builders.....	10	—	—	—	—	—
Helpers—production workers.....	50	37.1	73.5	8.8	11.9	31.2
Production workers, all other.....	995	29.5	76.5	15.7	4.4	25.4
Transportation and material moving occupations.....	9,445	17.3	71.9	19.5	4.5	21.7
Supervisors of transportation and material moving workers.....	205	19.5	74.0	18.4	4.0	17.4
Aircraft pilots and flight engineers.....	120	6.2	94.9	1.8	1.5	8.0
Air traffic controllers and airfield operations specialists.....	17	—	—	—	—	—
Flight attendants.....	98	72.9	71.6	15.1	10.1	18.4
Ambulance drivers and attendants, except emergency medical technicians.....	11	—	—	—	—	—
Bus drivers.....	578	47.8	65.9	26.7	4.8	12.6
Driver/sales workers and truck drivers.....	3,506	6.2	76.3	16.6	3.2	20.8
Taxi drivers and chauffeurs.....	674	18.9	55.0	28.4	12.8	17.0
Motor vehicle operators, all other.....	76	17.5	72.6	19.4	4.8	14.7
Locomotive engineers and operators.....	42	—	—	—	—	—
Railroad brake, signal, and switch operators.....	4	—	—	—	—	—
Railroad conductors and yardmasters.....	50	5.2	73.8	17.6	5.3	8.4
Subway, streetcar, and other rail transportation workers.....	15	—	—	—	—	—
Sailors and marine oilers.....	19	—	—	—	—	—
Ship and boat captains and operators.....	35	—	—	—	—	—
Ship engineers.....	2	—	—	—	—	—
Bridge and lock tenders.....	5	—	—	—	—	—
Parking lot attendants.....	95	16.7	67.4	23.3	6.7	38.4
Automotive and watercraft service attendants.....	94	8.8	73.6	9.6	8.9	21.1
Transportation inspectors.....	41	—	—	—	—	—
Transportation attendants, except flight attendants.....	35	—	—	—	—	—
Other transportation workers.....	24	—	—	—	—	—
Conveyor operators and tenders.....	1	—	—	—	—	—
Crane and tower operators.....	53	4.1	76.8	20.9	0.1	10.5
Dredge, excavating, and loading machine operators.....	30	—	—	—	—	—
Hoist and winch operators.....	7	—	—	—	—	—
Industrial truck and tractor operators.....	611	8.2	69.4	25.0	1.8	25.7
Cleaners of vehicles and equipment.....	331	14.0	69.7	20.7	3.0	33.3
Laborers and freight, stock, and material movers, hand.....	1,930	19.9	70.2	20.2	3.8	22.2
Machine feeders and offbearers.....	31	—	—	—	—	—
Packers and packagers, hand.....	539	52.7	69.9	18.9	8.4	41.8
Pumping station operators.....	21	—	—	—	—	—
Refuse and recyclable material collectors.....	94	11.7	70.2	26.8	2.1	24.2

**HOUSEHOLD DATA
ANNUAL AVERAGES**

11. Employed persons by detailed occupation, sex, race, and Hispanic or Latino ethnicity — Continued

[Numbers in thousands]

Occupation	2017					
	Total employed	Percent of total employed				
		Women	White	Black or African American	Asian	Hispanic or Latino
Mine shuttle car operators.....	0	—	—	—	—	—
Tank car, truck, and ship loaders.....	6	—	—	—	—	—
Material moving workers, all other.....	40	—	—	—	—	—

NOTE: Estimates for the above race groups (White, Black or African American, and Asian) do not sum to totals because data are not presented for all races. Persons whose ethnicity is identified as Hispanic or Latino may be of any race. Updated population controls are introduced annually with the release of January data. Dash indicates no data or data that do not meet publication criteria (values not shown where base is less than 50,000).