

Table 16

Full-time civilian workers: Hourly wage percentiles¹

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
All workers	\$8.70	\$11.36	\$16.39	\$25.21	\$36.50
Management occupations	19.23	25.58	35.74	48.62	63.94
Chief executives	28.84	47.65	65.02	90.91	115.39
General and operations managers	19.66	25.96	38.01	52.89	76.61
Legislators	3.46	3.46	14.42	32.05	40.28
Advertising and promotions managers	18.27	22.60	29.98	38.89	49.23
Marketing and sales managers	24.09	31.03	41.35	54.95	72.95
Marketing managers	27.22	34.19	44.25	57.20	80.97
Sales managers	21.57	28.85	38.46	50.80	66.56
Public relations managers	17.60	19.87	32.54	49.45	70.84
Administrative services managers	18.01	20.68	27.48	35.00	44.20
Computer and information systems managers	28.61	38.37	47.84	59.87	70.18
Financial managers	20.71	26.02	35.21	49.78	66.88
Human resources managers	22.85	24.21	28.28	40.96	53.20
Compensation and benefits managers	22.58	27.24	36.59	44.20	59.27
Training and development managers	25.58	25.58	25.58	31.23	41.49
Industrial production managers	22.56	29.95	38.68	44.46	53.03
Purchasing managers	19.50	26.40	35.09	47.69	65.26
Transportation, storage, and distribution managers	17.50	23.78	33.14	42.55	50.89
Construction managers	20.50	26.07	32.88	42.31	51.47
Education administrators	18.58	25.68	35.33	46.40	57.01
Education administrators, preschool and child care center/program	11.00	13.25	20.75	28.37	28.37
Education administrators, elementary and secondary school ..	27.03	33.78	42.20	50.29	59.73
Education administrators, postsecondary	20.71	22.97	32.23	46.22	59.59
Engineering managers	34.05	41.95	52.54	62.44	68.36
Food service managers	14.62	16.75	21.01	27.78	38.49
Funeral directors	16.00	17.75	19.50	25.52	32.34
Lodging managers	11.85	13.70	17.48	26.84	38.46
Medical and health services managers	20.25	26.71	33.96	44.68	61.57
Natural sciences managers	29.09	41.24	48.55	51.75	58.04
Property, real estate, and community association managers	13.20	19.23	24.04	29.10	39.66
Social and community service managers	14.95	17.07	22.41	30.50	33.05
Business and financial operations occupations	16.80	20.19	25.93	33.09	42.85
Buyers and purchasing agents	16.86	19.84	24.34	31.09	38.95
Claims adjusters, appraisers, examiners, and investigators	16.45	18.38	23.15	30.36	37.84
Claims adjusters, examiners, and investigators	16.50	18.32	22.89	30.29	37.99
Insurance appraisers, auto damage	15.90	24.47	26.50	30.36	31.42
Compliance officers, except agriculture, construction, health and safety, and transportation	16.77	20.07	21.74	29.89	33.50
Cost estimators	16.00	21.12	27.40	38.97	43.27
Human resources, training, and labor relations specialists	16.81	19.90	24.76	30.02	36.86
Employment, recruitment, and placement specialists	15.87	19.16	23.39	29.40	38.65
Compensation, benefits, and job analysis specialists	16.81	19.48	24.77	31.14	36.41
Training and development specialists	15.26	17.51	24.28	28.85	35.15

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Logisticians	\$18.08	\$20.28	\$29.18	\$37.71	\$49.11
Management analysts	19.78	24.04	30.86	41.64	50.48
Meeting and convention planners	16.83	18.58	24.54	26.34	26.34
Accountants and auditors	16.83	20.19	25.43	32.13	40.00
Appraisers and assessors of real estate	15.89	18.07	23.19	30.01	35.52
Budget analysts	19.74	25.31	26.17	33.78	45.76
Credit analysts	16.68	20.01	23.53	29.70	37.50
Financial analysts and advisors	18.21	22.56	29.46	37.53	53.24
Financial analysts	21.33	24.43	31.04	38.62	55.47
Personal financial advisors	13.66	17.85	22.90	34.13	52.89
Insurance underwriters	17.97	19.95	27.50	36.26	47.65
Financial examiners	20.04	22.98	30.58	33.51	40.89
Loan counselors and officers	14.66	15.62	23.85	35.58	51.45
Loan counselors	10.45	14.17	14.17	20.52	60.13
Loan officers	14.66	16.38	24.13	36.46	51.45
Tax examiners, collectors, preparers, and revenue agents	12.34	15.19	19.56	26.13	33.46
Tax examiners, collectors, and revenue agents	12.05	15.19	19.72	26.19	33.46
Computer and mathematical science occupations	19.48	25.27	33.67	41.76	50.40
Computer and information scientists, research	24.89	29.35	42.30	53.65	62.40
Computer programmers	19.74	24.84	31.04	37.16	45.67
Computer software engineers	26.44	33.51	40.79	47.87	56.56
Computer software engineers, applications	26.30	32.76	40.72	47.70	55.01
Computer software engineers, systems software	28.47	33.93	40.79	48.04	56.56
Computer support specialists	14.15	17.85	22.57	30.65	40.19
Computer systems analysts	23.56	29.16	35.65	42.60	50.51
Database administrators	19.99	22.66	31.25	38.65	45.34
Network and computer systems administrators	19.45	24.04	29.23	37.35	42.16
Network systems and data communications analysts	21.15	25.64	29.74	36.29	45.31
Actuaries	27.44	31.97	39.37	50.48	56.13
Operations research analysts	20.68	25.27	35.85	44.49	60.27
Statisticians	16.18	17.44	22.60	39.16	47.11
Miscellaneous mathematical scientists	14.82	16.20	16.70	29.97	29.97
Architecture and engineering occupations	17.30	22.71	30.03	38.72	47.82
Architects, except naval	21.61	24.16	28.85	38.46	44.23
Architects, except landscape and naval	21.61	24.10	29.06	38.69	44.23
Landscape architects	21.63	24.16	24.16	30.13	35.40
Surveyors, cartographers, and photogrammetrists	14.82	17.06	22.00	28.85	40.23
Cartographers and photogrammetrists	13.81	14.82	14.82	22.00	22.00
Surveyors	15.75	19.71	27.23	35.92	51.50
Engineers	24.57	29.43	35.58	43.80	51.75
Aerospace engineers	29.81	37.14	48.98	54.85	64.51
Chemical engineers	30.87	31.08	33.40	49.48	52.97
Civil engineers	21.64	25.00	31.56	38.51	46.00
Computer hardware engineers	25.91	31.68	42.59	47.81	60.02
Electrical and electronics engineers	25.48	30.29	36.01	43.76	51.30

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Electrical engineers	\$24.00	\$30.29	\$35.58	\$43.22	\$51.05
Electronics engineers, except computer	26.99	30.10	36.11	44.24	52.08
Environmental engineers	26.08	28.70	36.29	49.87	61.00
Industrial engineers, including health and safety	24.04	28.14	33.65	39.22	47.41
Health and safety engineers, except mining safety engineers and inspectors	24.98	31.07	34.85	45.22	54.20
Industrial engineers	24.04	27.93	33.17	38.39	44.92
Marine engineers and naval architects	22.66	25.16	28.70	34.28	36.83
Materials engineers	25.00	28.22	32.18	39.89	53.85
Mechanical engineers	25.00	28.00	31.92	38.46	45.00
Nuclear engineers	33.77	36.83	39.87	44.16	50.93
Petroleum engineers	26.18	34.65	43.27	65.87	75.70
Drafters	14.42	17.79	21.61	27.81	32.14
Architectural and civil drafters	14.42	18.27	23.25	28.77	32.21
Electrical and electronics drafters	12.75	16.31	22.73	25.07	28.43
Mechanical drafters	15.50	18.10	21.13	24.96	29.19
Engineering technicians, except drafters	12.90	17.85	22.17	27.35	31.85
Aerospace engineering and operations technicians	20.00	22.00	24.16	26.93	30.90
Civil engineering technicians	10.39	12.90	18.15	22.63	27.00
Electrical and electronic engineering technicians	12.11	16.31	22.60	27.30	30.79
Electro-mechanical technicians	17.21	22.21	26.00	28.56	30.50
Environmental engineering technicians	15.00	17.40	32.52	38.25	41.40
Industrial engineering technicians	16.82	20.15	24.01	28.89	31.64
Mechanical engineering technicians	16.98	18.13	19.60	25.89	33.59
Surveying and mapping technicians	11.74	13.27	17.31	22.85	32.50
Life, physical, and social science occupations	15.46	19.71	26.23	34.34	46.35
Life scientists	16.99	20.04	26.58	36.26	47.32
Agricultural and food scientists	17.79	23.78	27.21	37.36	41.49
Animal scientists	24.04	24.60	26.34	69.78	73.55
Food scientists and technologists	21.73	27.21	37.36	41.49	41.49
Soil and plant scientists	15.73	21.56	23.78	29.37	38.17
Biological scientists	17.38	20.46	29.68	37.43	51.87
Biochemists and biophysicists	17.48	27.00	34.61	40.76	58.91
Microbiologists	18.75	19.29	20.46	25.72	33.31
Zoologists and wildlife biologists	16.59	21.82	24.38	24.80	37.43
Conservation scientists and foresters	15.87	18.88	25.50	28.83	37.97
Conservation scientists	15.82	21.76	26.34	28.83	39.78
Foresters	15.87	18.02	23.09	27.27	32.29
Medical scientists	16.59	19.11	25.02	35.99	46.77
Physical scientists	18.94	23.08	29.61	38.86	50.19
Astronomers and physicists	24.87	36.66	42.90	46.70	71.37
Physicists	33.24	40.48	44.25	47.18	71.37
Chemists and materials scientists	20.98	24.10	28.85	38.86	51.99
Chemists	19.61	22.78	27.50	35.55	45.00
Materials scientists	26.43	28.85	39.42	48.32	57.76
Environmental scientists and geoscientists	17.22	22.53	29.33	35.20	49.27

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Environmental scientists and specialists, including health ..	\$16.53	\$22.51	\$26.79	\$33.41	\$43.12
Geoscientists, except hydrologists and geographers	22.53	33.05	38.46	49.82	59.05
Hydrologists	17.22	19.04	19.28	31.43	33.00
Economists	19.23	20.54	29.25	39.45	84.14
Market and survey researchers	20.77	23.73	30.10	39.90	50.48
Market research analysts	21.39	24.04	30.10	39.95	50.48
Psychologists	21.50	24.65	32.94	45.86	60.63
Clinical, counseling, and school psychologists	21.62	25.13	33.50	47.63	61.24
Sociologists	17.46	17.90	22.92	31.91	33.44
Urban and regional planners	19.64	22.54	26.70	32.02	36.61
Miscellaneous social scientists and related workers	12.31	12.31	22.47	32.25	49.45
Agricultural and food science technicians	8.00	8.50	16.40	19.57	26.02
Biological technicians	11.52	13.04	17.63	22.15	25.78
Chemical technicians	14.00	17.43	21.68	26.23	31.05
Geological and petroleum technicians	29.14	34.86	35.19	42.08	50.24
Nuclear technicians	29.06	30.59	33.95	41.84	45.06
Social science research assistants	15.52	19.50	21.52	25.79	30.55
Miscellaneous life, physical, and social science technicians	13.00	15.46	19.98	25.65	30.59
Environmental science and protection technicians, including health	15.46	17.57	24.63	30.59	30.59
Community and social services occupations	11.89	14.07	17.51	23.89	32.21
Counselors	12.36	15.50	20.51	29.49	38.92
Substance abuse and behavioral disorder counselors	12.07	14.40	18.08	22.30	22.74
Educational, vocational, and school counselors	14.84	18.68	27.10	37.29	46.37
Marriage and family therapists	14.36	14.36	29.49	29.49	32.00
Mental health counselors	13.27	16.66	19.48	25.45	30.70
Rehabilitation counselors	9.56	11.58	15.00	16.83	24.03
Social workers	13.24	15.10	18.41	23.61	29.33
Child, family, and school social workers	12.95	14.44	16.96	22.00	27.94
Medical and public health social workers	14.42	17.48	21.72	26.81	30.69
Mental health and substance abuse social workers	12.82	14.36	17.55	21.48	25.00
Miscellaneous community and social service specialists	9.68	12.38	15.09	19.46	27.48
Health educators	16.35	19.43	22.27	38.67	40.75
Probation officers and correctional treatment specialists	14.00	16.26	20.12	28.46	34.89
Social and human service assistants	9.00	10.52	12.88	15.39	18.04
Clergy	12.51	12.51	12.83	17.38	21.02
Directors, religious activities and education	18.03	18.37	19.90	22.01	43.22
Legal occupations	16.83	20.31	31.66	50.48	76.02
Lawyers	24.29	34.38	48.81	69.71	87.18
Judges, magistrates, and other judicial workers	25.74	43.09	56.41	74.79	82.12
Judges, magistrate judges, and magistrates	42.07	50.48	58.66	76.73	82.12
Paralegals and legal assistants	14.50	17.30	20.09	26.44	32.21
Miscellaneous legal support workers	14.09	16.17	21.36	25.56	33.56
Court reporters	15.90	17.74	23.28	31.28	36.06
Law clerks	14.74	14.80	18.09	23.83	25.44

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Title examiners, abstractors, and searchers	\$12.69	\$16.83	\$22.06	\$25.58	\$33.56
Education, training, and library occupations	11.54	21.97	30.46	40.06	51.65
Postsecondary teachers	23.56	30.87	40.00	53.29	69.31
Business teachers, postsecondary	31.88	39.98	53.83	83.10	108.99
Math and computer teachers, postsecondary	23.79	31.66	42.47	56.00	60.62
Computer science teachers, postsecondary	22.84	23.79	43.83	58.17	60.62
Mathematical science teachers, postsecondary	27.34	31.66	41.28	51.32	62.57
Engineering and architecture teachers, postsecondary	28.77	40.05	49.30	77.84	89.19
Engineering teachers, postsecondary	40.05	43.36	55.90	81.37	92.50
Life sciences teachers, postsecondary	31.90	38.45	42.08	49.57	72.12
Biological science teachers, postsecondary	32.18	38.45	41.75	49.57	68.87
Physical sciences teachers, postsecondary	28.67	32.76	41.41	51.90	71.02
Atmospheric, earth, marine, and space sciences teachers, postsecondary	21.81	36.49	48.68	61.74	75.74
Chemistry teachers, postsecondary	28.67	31.38	34.62	42.63	55.31
Physics teachers, postsecondary	40.31	48.79	51.54	70.16	82.61
Social sciences teachers, postsecondary	27.15	32.24	41.05	56.83	66.55
Anthropology and archeology teachers, postsecondary	36.49	39.69	44.61	63.16	71.69
Area, ethnic, and cultural studies teachers, postsecondary	38.41	38.41	58.45	59.43	59.43
Economics teachers, postsecondary	37.06	38.49	42.89	51.28	64.10
Political science teachers, postsecondary	26.20	30.02	39.18	40.53	59.34
Psychology teachers, postsecondary	22.52	27.15	38.01	52.16	61.46
Sociology teachers, postsecondary	27.42	36.47	50.96	66.55	74.77
Health teachers, postsecondary	26.75	30.47	40.40	62.68	85.64
Health specialties teachers, postsecondary	27.09	31.25	48.87	66.36	97.51
Nursing instructors and teachers, postsecondary	25.91	29.51	34.07	37.35	41.29
Education and library science teachers, postsecondary	22.66	32.42	41.15	46.65	50.40
Education teachers, postsecondary	22.19	32.42	41.15	46.65	50.40
Law, criminal justice, and social work teachers, postsecondary	26.21	29.93	52.53	72.69	88.69
Law teachers, postsecondary	27.47	54.05	71.67	77.18	95.19
Arts, communications, and humanities teachers, postsecondary	23.46	29.32	37.78	48.92	59.03
Art, drama, and music teachers, postsecondary	23.16	28.21	35.64	42.10	51.72
Communications teachers, postsecondary	20.04	31.91	37.58	49.88	62.62
English language and literature teachers, postsecondary	28.23	34.94	42.55	55.53	68.53
Foreign language and literature teachers, postsecondary	15.90	15.90	27.26	46.81	72.82
History teachers, postsecondary	27.87	30.15	39.27	47.42	59.17
Philosophy and religion teachers, postsecondary	26.92	31.54	37.02	48.97	55.15
Miscellaneous postsecondary teachers	21.38	27.20	37.16	50.00	64.42
Recreation and fitness studies teachers, postsecondary	26.97	30.09	30.09	43.59	49.59
Vocational education teachers, postsecondary	18.59	21.38	25.80	38.86	47.21
Primary, secondary, and special education school teachers	19.56	25.93	31.58	39.53	49.15
Preschool and kindergarten teachers	9.00	11.21	14.99	28.91	35.50
Preschool teachers, except special education	8.50	10.10	12.67	17.00	32.33
Kindergarten teachers, except special education	12.75	22.92	29.32	36.88	45.93

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Elementary and middle school teachers	\$22.89	\$26.80	\$32.08	\$40.60	\$49.73
Elementary school teachers, except special education	22.84	26.75	32.02	41.13	50.68
Middle school teachers, except special and vocational education	23.09	26.95	32.34	38.62	46.36
Secondary school teachers	23.29	26.55	32.20	39.95	49.03
Secondary school teachers, except special and vocational education	23.57	26.74	32.23	39.95	49.12
Vocational education teachers, secondary school	22.57	23.29	30.85	37.93	46.92
Special education teachers	22.46	27.50	33.86	43.56	53.56
Special education teachers, preschool, kindergarten, and elementary school	22.05	27.20	34.35	45.73	56.70
Special education teachers, middle school	22.75	26.55	32.12	36.06	45.71
Special education teachers, secondary school	24.85	27.77	34.85	43.34	52.45
Other teachers and instructors	16.32	25.72	34.31	45.10	56.35
Adult literacy, remedial education, and GED teachers and instructors	18.00	20.04	29.85	33.26	40.67
Self-enrichment education teachers	19.23	19.23	19.23	22.68	33.48
Archivists, curators, and museum technicians	13.70	16.15	23.85	29.08	33.83
Curators	13.70	21.65	25.08	29.12	36.71
Librarians	17.31	20.95	27.33	35.99	45.62
Library technicians	10.89	12.38	14.19	17.50	23.33
Farm and home management advisors	11.96	13.58	26.41	36.20	38.80
Instructional coordinators	19.23	19.79	26.52	33.85	38.09
Teacher assistants	8.24	9.23	10.78	12.62	15.54
Arts, design, entertainment, sports, and media occupations	12.00	15.87	21.41	30.23	43.31
Artists and related workers	14.78	18.75	21.64	29.22	40.09
Art directors	17.59	18.91	24.94	34.48	45.35
Multi-media artists and animators	18.11	18.75	21.35	26.31	33.65
Designers	12.00	15.00	19.75	27.46	35.84
Commercial and industrial designers	21.15	25.55	31.96	38.82	41.07
Fashion designers	20.37	24.71	38.46	38.46	137.36
Floral designers	9.00	9.75	10.00	12.10	15.00
Graphic designers	13.29	15.00	18.75	24.00	30.21
Interior designers	15.00	17.30	22.60	28.00	35.84
Merchandise displayers and window trimmers	9.65	11.40	16.80	18.00	22.43
Set and exhibit designers	16.68	18.34	33.04	45.00	63.40
Actors, producers, and directors	12.88	17.43	24.22	46.55	65.00
Producers and directors	12.88	17.43	24.22	46.55	65.00
Athletes, coaches, umpires, and related workers	11.74	14.42	24.50	43.27	58.17
Coaches and scouts	12.02	14.56	26.42	48.08	60.64
Musicians, singers, and related workers	19.73	25.63	31.92	39.72	53.15
Musicians and singers	26.40	31.92	31.92	48.40	55.18
Announcers	12.86	15.00	19.87	45.67	93.75
Radio and television announcers	13.13	15.38	19.87	45.67	93.75
News analysts, reporters and correspondents	11.00	13.13	20.91	35.50	65.61
Reporters and correspondents	11.00	13.00	20.65	32.09	61.41

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Public relations specialists	\$17.77	\$20.30	\$25.16	\$30.18	\$37.84
Writers and editors	14.25	19.01	23.75	32.01	44.30
Editors	14.05	19.01	21.81	29.57	43.88
Technical writers	15.41	21.05	27.72	36.01	47.28
Writers and authors	11.88	16.43	17.21	28.14	43.59
Miscellaneous media and communication workers	12.60	19.25	20.80	26.70	28.61
Interpreters and translators	8.19	17.16	20.80	25.50	28.61
Broadcast and sound engineering technicians and radio operators	12.02	15.95	20.50	29.31	34.67
Audio and video equipment technicians	13.50	16.36	20.24	24.48	33.38
Broadcast technicians	9.35	13.94	17.97	29.31	34.67
Sound engineering technicians	20.50	20.50	32.19	34.15	37.55
Photographers	8.92	9.38	13.97	16.29	22.44
Television, video, and motion picture camera operators and editors	13.86	14.41	18.26	25.96	33.10
Camera operators, television, video, and motion picture	12.18	14.41	15.76	25.96	46.50
Healthcare practitioner and technical occupations	14.03	18.07	24.00	31.53	44.25
Dentists	26.63	53.85	53.85	71.75	119.05
Dentists, general	39.86	53.85	53.85	77.13	119.05
Dietitians and nutritionists	16.63	19.50	21.33	26.74	29.00
Optometrists	42.11	42.11	55.00	61.67	61.67
Pharmacists	40.61	44.75	47.00	50.00	52.00
Physicians and surgeons	19.62	23.20	62.26	77.29	98.84
Anesthesiologists	23.10	77.28	77.28	92.63	115.39
Family and general practitioners	29.16	58.74	67.79	67.79	82.45
Internists, general	16.07	21.78	52.44	64.92	96.15
Pediatricians, general	21.44	21.44	62.50	80.65	85.94
Psychiatrists	59.71	62.50	78.00	78.00	87.91
Surgeons	29.61	59.89	62.50	125.50	159.58
Physician assistants	23.29	30.89	35.91	41.82	52.89
Registered nurses	20.83	23.50	27.39	33.08	39.66
Therapists	17.09	22.03	26.25	32.00	37.97
Audiologists	18.74	20.89	24.61	28.18	29.78
Occupational therapists	22.50	24.14	27.54	32.92	38.70
Physical therapists	23.76	27.74	31.00	35.54	44.72
Radiation therapists	24.38	30.89	35.74	37.97	39.09
Recreational therapists	12.67	14.18	17.09	23.09	24.72
Respiratory therapists	18.57	20.20	22.29	25.00	28.01
Speech-language pathologists	22.69	24.73	28.19	34.47	43.74
Veterinarians	29.95	29.95	43.30	46.58	46.58
Clinical laboratory technologists and technicians	12.04	14.85	17.66	23.11	27.04
Medical and clinical laboratory technologists	15.56	18.66	22.95	26.35	30.31
Medical and clinical laboratory technicians	10.69	13.35	16.00	18.67	22.78
Dental hygienists	21.07	26.92	31.00	35.00	39.00
Diagnostic related technologists and technicians	15.37	20.00	24.75	30.00	35.21
Cardiovascular technologists and technicians	11.38	13.77	21.55	33.64	38.26

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Diagnostic medical sonographers	\$24.93	\$25.89	\$30.45	\$34.15	\$37.01
Nuclear medicine technologists	25.50	28.13	33.00	37.85	40.04
Radiologic technologists and technicians	16.00	20.03	24.00	28.83	32.25
Emergency medical technicians and paramedics	9.35	10.43	14.00	18.36	25.36
Health diagnosing and treating practitioner support technicians	11.00	13.20	15.87	18.78	22.10
Dietetic technicians	7.99	8.09	12.09	16.55	17.83
Pharmacy technicians	10.56	11.80	14.00	16.02	19.50
Psychiatric technicians	10.00	13.23	15.90	19.46	25.76
Respiratory therapy technicians	16.43	17.66	19.47	22.98	26.66
Surgical technologists	13.96	15.74	18.05	19.92	23.00
Veterinary technologists and technicians	11.54	12.99	14.79	18.48	23.13
Licensed practical and licensed vocational nurses	13.73	15.53	17.67	20.10	23.28
Medical records and health information technicians	9.86	11.44	14.58	17.89	22.09
Miscellaneous health technologists and technicians	12.21	13.73	16.85	21.59	28.01
Occupational health and safety specialists and technicians	15.56	20.19	23.81	27.35	29.50
Occupational health and safety specialists	15.56	18.51	21.29	27.59	30.60
Miscellaneous healthcare practitioner and technical workers	15.10	17.31	23.73	35.20	35.20
Athletic trainers	14.17	15.10	15.57	18.88	24.54
Healthcare support occupations	8.50	9.71	11.37	14.07	17.10
Nursing, psychiatric, and home health aides	8.00	9.23	10.51	12.50	15.36
Home health aides	7.08	8.67	9.90	11.04	12.10
Nursing aides, orderlies, and attendants	8.18	9.25	10.65	12.61	15.24
Psychiatric aides	8.78	9.80	11.91	15.65	17.88
Occupational therapist assistants and aides	9.38	10.38	15.27	18.27	23.00
Occupational therapist assistants	10.38	14.37	17.42	19.59	23.00
Occupational therapist aides	9.38	9.67	12.17	15.45	18.03
Physical therapist assistants and aides	9.00	10.22	13.50	21.65	30.00
Physical therapist assistants	13.75	17.00	21.65	27.82	33.00
Physical therapist aides	8.50	9.25	10.22	12.25	13.69
Massage therapists	10.66	13.33	20.00	20.00	42.69
Miscellaneous healthcare support occupations	9.27	10.84	12.99	15.78	18.71
Dental assistants	12.00	14.00	16.00	18.13	21.00
Medical assistants	9.00	10.55	12.45	15.00	18.27
Medical equipment preparers	10.00	11.56	12.50	15.44	18.33
Medical transcriptionists	11.17	12.52	13.82	16.23	20.00
Pharmacy aides	8.53	9.77	11.00	12.17	17.00
Veterinary assistants and laboratory animal caretakers	9.75	10.00	10.00	13.94	16.04
Protective service occupations	9.00	11.10	16.36	24.92	31.98
First-line supervisors/managers, law enforcement workers	17.29	24.87	32.38	39.35	46.50
First-line supervisors/managers of correctional officers	11.00	15.71	25.33	35.32	42.81
First-line supervisors/managers of police and detectives	20.65	27.21	33.27	39.46	47.60
First-line supervisors/managers of fire fighting and prevention workers	18.35	22.08	26.88	32.38	40.90
Fire fighters	12.26	15.35	19.64	24.44	30.44
Fire inspectors	14.44	14.44	21.40	26.84	31.93

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Fire inspectors and investigators	\$14.44	\$14.44	\$19.47	\$27.46	\$32.15
Bailiffs, correctional officers, and jailers	11.35	12.87	16.15	22.68	28.24
Bailiffs	12.98	16.08	21.21	26.02	29.81
Correctional officers and jailers	11.35	12.82	15.89	22.68	28.14
Detectives and criminal investigators	16.76	20.48	26.63	31.87	37.92
Fish and game wardens	11.17	15.62	20.90	24.12	26.18
Parking enforcement workers	11.46	14.35	17.23	22.61	22.61
Police officers	15.03	18.99	24.28	29.33	34.31
Police and sheriff's patrol officers	15.03	18.98	24.28	29.34	34.31
Animal control workers	10.52	12.18	15.93	22.82	24.15
Security guards and gaming surveillance officers	7.27	8.76	10.00	12.00	14.98
Security guards	7.27	8.75	10.00	12.00	15.00
Miscellaneous protective service workers	7.53	9.66	12.50	16.51	21.67
Lifeguards, ski patrol, and other recreational protective service workers	7.50	7.53	8.49	11.00	14.08
Food preparation and serving related occupations	4.35	6.75	8.50	11.00	14.11
First-line supervisors/managers, food preparation and serving workers	9.23	11.11	14.00	17.78	20.72
Chefs and head cooks	10.19	13.00	16.35	20.72	25.05
First-line supervisors/managers of food preparation and serving workers	9.10	11.00	13.53	17.40	20.00
Cooks	7.10	8.25	10.00	11.99	14.00
Cooks, fast food	6.00	7.00	7.85	8.75	10.83
Cooks, institution and cafeteria	8.00	9.02	10.80	13.12	15.38
Cooks, restaurant	7.50	8.71	10.00	12.00	13.81
Cooks, short order	6.75	7.50	9.00	11.00	12.00
Food preparation workers	6.75	7.73	9.14	10.99	13.62
Food service, tipped	2.13	3.15	5.30	7.30	8.90
Bartenders	4.15	5.39	7.39	8.51	10.50
Waiters and waitresses	2.13	2.44	4.30	6.09	7.49
Dining room and cafeteria attendants and bartender helpers ..	4.35	5.75	7.00	8.50	9.99
Fast food and counter workers	6.00	6.75	8.00	9.62	11.50
Combined food preparation and serving workers, including fast food	6.00	6.75	8.00	9.68	11.50
Counter attendants, cafeteria, food concession, and coffee shop	6.67	6.80	8.00	9.00	10.91
Food servers, nonrestaurant	4.50	7.35	8.19	10.00	12.54
Dishwashers	6.50	7.12	7.75	8.88	10.68
Hosts and hostesses, restaurant, lounge, and coffee shop	5.11	7.00	8.00	10.00	13.52
Building and grounds cleaning and maintenance occupations	7.25	8.37	10.74	14.44	18.82
First-line supervisors/managers, building and grounds cleaning and maintenance workers	11.23	13.26	19.23	24.71	25.34
First-line supervisors/managers of housekeeping and janitorial workers	10.67	12.88	17.46	19.59	25.34

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	\$13.00	\$17.19	\$25.12	\$25.12	\$27.64
Building cleaning workers	7.00	8.05	10.00	13.00	16.58
Janitors and cleaners, except maids and housekeeping cleaners	7.49	8.67	10.78	13.69	17.71
Maids and housekeeping cleaners	6.75	7.40	8.19	9.70	12.26
Pest control workers	12.00	13.56	15.39	17.50	19.23
Grounds maintenance workers	7.79	8.59	11.05	15.13	18.43
Landscaping and groundskeeping workers	7.75	8.50	10.76	15.00	17.93
Tree trimmers and pruners	11.15	13.43	16.75	20.61	23.31
Personal care and service occupations	5.97	6.89	9.39	12.50	18.19
First-line supervisors/managers of gaming workers	10.00	10.94	12.55	15.72	20.63
Gaming supervisors	10.61	13.39	15.72	18.75	21.78
Slot key persons	9.36	10.38	11.02	11.76	11.80
First-line supervisors/managers of personal service workers	10.00	12.26	14.77	18.02	23.46
Nonfarm animal caretakers	8.25	9.35	9.45	15.47	19.58
Gaming services workers	5.50	5.77	6.34	6.57	7.38
Gaming dealers	5.50	5.75	6.34	6.55	7.31
Gaming and sports book writers and runners	7.28	7.32	8.06	8.75	11.15
Ushers, lobby attendants, and ticket takers	7.41	7.50	14.64	18.19	18.19
Miscellaneous entertainment attendants and related workers	6.25	7.50	9.07	11.94	14.82
Amusement and recreation attendants	5.96	7.25	8.06	11.94	14.82
Locker room, coatroom, and dressing room attendants	7.50	8.64	10.09	13.15	16.56
Barbers and cosmetologists	6.75	8.00	10.50	14.60	20.12
Hairdressers, hairstylists, and cosmetologists	6.50	7.90	10.63	14.87	21.62
Miscellaneous personal appearance workers	7.50	8.27	11.85	18.14	22.36
Manicurists and pedicurists	8.27	8.27	8.75	14.98	16.05
Baggage porters, bellhops, and concierges	6.00	7.10	8.50	11.70	18.19
Baggage porters and bellhops	5.51	6.35	8.00	9.00	11.70
Concierges	9.07	10.00	13.46	18.19	18.19
Tour and travel guides	8.25	9.05	12.00	14.45	20.20
Tour guides and escorts	8.24	9.05	11.26	14.45	20.20
Transportation attendants	14.08	24.13	30.10	37.59	46.93
Flight attendants	25.87	26.90	30.13	44.40	47.75
Transportation attendants, except flight attendants and baggage porters	8.98	10.15	14.16	19.50	22.54
Child care workers	6.25	7.00	8.50	10.04	12.30
Personal and home care aides	7.35	9.00	9.90	10.95	12.50
Recreation and fitness workers	8.14	10.07	13.09	17.49	22.12
Fitness trainers and aerobics instructors	9.67	12.98	14.42	15.68	25.00
Recreation workers	8.00	9.63	12.50	17.64	21.76
Residential advisors	5.63	5.63	9.65	12.21	13.14
Sales and related occupations	7.85	9.73	13.75	21.63	35.43
First-line supervisors/managers, sales workers	10.27	13.00	16.35	21.80	31.88
First-line supervisors/managers of retail sales workers	10.27	12.24	15.66	19.23	24.61

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
First-line supervisors/managers of non-retail sales workers ...	\$13.15	\$16.06	\$24.88	\$37.92	\$54.36
Retail sales workers	7.16	8.35	10.37	13.71	19.08
Cashiers, all workers	6.78	7.75	9.00	11.04	13.60
Cashiers	6.75	7.65	8.82	11.00	13.50
Gaming change persons and booth cashiers	8.55	10.17	11.88	12.94	14.12
Counter and rental clerks and parts salespersons	8.00	9.58	12.00	15.69	20.64
Counter and rental clerks	7.50	8.50	10.00	12.51	17.05
Parts salespersons	9.50	11.50	13.71	17.31	21.48
Retail salespersons	7.50	8.95	11.29	15.43	23.34
Advertising sales agents	9.18	13.52	17.92	25.41	34.62
Insurance sales agents	13.00	15.65	19.72	29.68	43.65
Securities, commodities, and financial services sales agents	15.39	21.19	33.28	58.15	109.67
Travel agents	7.50	9.15	13.75	17.64	23.22
Sales representatives, wholesale and manufacturing	14.13	18.00	25.14	37.50	50.48
Sales representatives, wholesale and manufacturing, technical and scientific products	16.90	20.96	31.25	41.15	56.13
Sales representatives, wholesale and manufacturing, except technical and scientific products	13.01	17.13	23.63	33.73	46.72
Models, demonstrators, and product promoters	9.92	11.54	13.93	20.43	26.56
Demonstrators and product promoters	9.92	11.54	13.93	20.43	26.56
Real estate brokers and sales agents	10.80	13.30	20.00	30.99	53.76
Real estate brokers	12.70	14.59	22.82	29.73	34.87
Real estate sales agents	10.00	13.00	19.03	31.25	66.94
Sales engineers	23.52	27.78	33.32	40.50	47.61
Telemarketers	7.00	8.00	10.00	12.74	18.36
Miscellaneous sales and related workers	8.71	10.00	12.95	21.25	28.29
Door-to-door sales workers, news and street vendors, and related workers	13.52	16.23	19.81	28.07	28.48
Office and administrative support occupations	9.51	11.43	14.30	17.84	22.21
First-line supervisors/managers of office and administrative support workers	14.42	17.23	20.65	25.83	30.29
Switchboard operators, including answering service	7.74	9.00	11.29	14.12	16.43
Telephone operators	8.98	10.14	13.35	20.61	21.16
Financial clerks	9.66	11.22	13.98	16.70	20.10
Bill and account collectors	8.50	11.50	14.00	16.81	21.25
Billing and posting clerks and machine operators	9.90	11.65	13.86	16.25	18.93
Bookkeeping, accounting, and auditing clerks	10.22	12.00	14.90	17.65	21.15
Payroll and timekeeping clerks	12.00	14.40	16.24	20.03	21.87
Procurement clerks	11.00	14.00	15.76	18.93	20.92
Tellers	9.00	9.95	10.92	12.63	14.76
Brokerage clerks	12.48	15.08	17.23	20.38	23.11
Correspondence clerks	11.54	12.69	14.42	16.83	19.41
Court, municipal, and license clerks	11.11	12.79	15.67	18.46	20.95
Credit authorizers, checkers, and clerks	10.75	12.00	13.99	17.25	19.48
Customer service representatives	9.45	11.74	14.42	17.96	22.59
Eligibility interviewers, government programs	13.46	14.88	17.81	19.15	21.24

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
File clerks	\$8.50	\$9.82	\$11.85	\$14.90	\$15.35
Hotel, motel, and resort desk clerks	7.13	8.40	9.26	10.40	11.96
Interviewers, except eligibility and loan	8.75	10.48	12.50	14.97	17.34
Library assistants, clerical	9.63	11.22	12.90	15.41	18.08
Loan interviewers and clerks	10.99	12.67	14.82	17.13	19.85
New accounts clerks	10.01	10.96	12.80	14.42	17.54
Order clerks	9.00	10.75	13.07	17.08	20.26
Human resources assistants, except payroll and timekeeping	12.00	13.71	16.20	19.14	22.55
Receptionists and information clerks	8.67	10.00	12.00	14.00	16.67
Reservation and transportation ticket agents and travel clerks	8.00	9.38	13.80	18.00	20.91
Cargo and freight agents	12.00	16.19	17.79	24.62	36.00
Couriers and messengers	8.40	9.60	11.00	12.50	13.99
Dispatchers	9.51	12.00	15.82	20.54	26.24
Police, fire, and ambulance dispatchers	10.96	12.19	15.47	19.61	23.69
Dispatchers, except police, fire, and ambulance	9.00	11.95	16.00	21.44	28.34
Meter readers, utilities	11.59	12.25	14.89	19.79	26.29
Production, planning, and expediting clerks	12.00	14.50	17.89	23.22	25.96
Shipping, receiving, and traffic clerks	8.50	10.00	12.32	15.05	18.24
Stock clerks and order fillers	8.29	9.80	12.00	14.73	17.95
Weighers, measurers, checkers, and samplers, recordkeeping	9.50	10.80	13.29	15.71	17.68
Secretaries and administrative assistants	11.00	13.50	16.58	20.73	25.54
Executive secretaries and administrative assistants	13.09	15.95	19.23	23.62	27.89
Legal secretaries	14.00	14.50	18.00	25.43	29.71
Medical secretaries	10.00	11.33	13.51	16.77	20.00
Secretaries, except legal, medical, and executive	10.57	12.62	15.50	18.64	22.42
Computer operators	12.04	13.35	15.60	18.95	21.81
Data entry and information processing workers	9.59	11.18	12.98	15.70	17.86
Data entry keyers	9.50	10.82	12.25	14.58	16.05
Word processors and typists	10.71	12.38	15.17	17.80	21.79
Desktop publishers	11.30	13.80	16.04	23.48	27.01
Insurance claims and policy processing clerks	10.40	12.10	14.87	17.68	20.75
Mail clerks and mail machine operators, except postal service	7.65	9.71	10.52	12.74	16.42
Office clerks, general	9.41	11.00	13.27	16.27	19.71
Office machine operators, except computer	9.28	10.01	11.46	12.87	18.27
Proofreaders and copy markers	10.82	11.00	13.44	16.31	24.26
Statistical assistants	10.82	12.45	15.54	20.00	21.69
Farming, fishing, and forestry occupations	7.00	8.28	10.85	15.10	21.39
First-line supervisors/managers of farming, fishing, and forestry workers	13.00	13.00	16.95	23.10	23.10
Graders and sorters, agricultural products	6.92	7.30	8.50	9.65	14.15
Miscellaneous agricultural workers	6.75	7.50	9.42	11.00	13.45
Farmworkers and laborers, crop, nursery, and greenhouse	6.75	7.50	9.42	10.97	14.00
Farmworkers, farm and ranch animals	9.82	9.94	12.32	12.32	12.32
Logging workers	10.00	12.75	13.90	22.29	22.29
Logging equipment operators	12.00	13.90	22.29	22.29	22.29

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Construction and extraction occupations	\$10.00	\$13.00	\$17.62	\$24.50	\$31.70
First-line supervisors/managers of construction trades and extraction workers	16.75	20.00	25.00	31.25	37.00
Boilermakers	16.75	17.50	19.82	23.50	26.96
Brickmasons, blockmasons, and stonemasons	18.00	20.00	25.66	28.00	38.25
Brickmasons and blockmasons	18.76	20.00	25.66	28.00	38.25
Carpenters	12.50	15.00	19.00	24.46	31.39
Carpet, floor, and tile installers and finishers	10.38	15.00	18.00	22.00	36.42
Carpet installers	10.38	16.82	20.00	28.42	36.60
Tile and marble setters	14.00	15.00	15.84	20.00	25.36
Cement masons, concrete finishers, and terrazzo workers	12.00	15.00	19.00	22.04	27.00
Cement masons and concrete finishers	12.00	15.00	19.00	22.04	27.02
Construction laborers	8.45	10.00	13.00	19.00	24.40
Construction equipment operators	11.00	13.30	16.53	23.00	29.53
Paving, surfacing, and tamping equipment operators	10.30	12.20	14.38	17.99	21.14
Operating engineers and other construction equipment operators	11.50	13.97	17.04	26.26	29.53
Drywall installers, ceiling tile installers, and tapers	12.67	13.27	16.00	20.00	26.93
Drywall and ceiling tile installers	12.67	13.27	15.75	20.00	26.93
Tapers	13.00	15.50	18.00	22.20	24.69
Electricians	12.14	15.50	20.19	30.50	36.27
Glaziers	6.50	12.00	16.75	25.20	28.70
Insulation workers	12.30	13.82	16.00	18.00	19.56
Insulation workers, floor, ceiling, and wall	11.00	12.30	14.97	14.97	17.26
Insulation workers, mechanical	12.99	15.00	16.14	18.80	20.77
Painters and paperhangers	10.00	12.00	13.50	18.00	22.00
Painters, construction and maintenance	10.00	12.00	13.50	18.00	22.00
Pipelayers, plumbers, pipefitters, and steamfitters	12.50	15.78	20.50	29.31	33.70
Pipelayers	10.57	11.00	14.50	24.80	27.88
Plumbers, pipefitters, and steamfitters	13.76	16.76	21.00	29.99	34.31
Plasterers and stucco masons	13.00	15.24	15.68	17.70	20.00
Reinforcing iron and rebar workers	12.00	15.00	15.00	18.00	24.80
Roofers	10.00	11.50	14.00	20.00	26.00
Sheet metal workers	11.25	14.00	17.45	23.42	34.27
Structural iron and steel workers	16.00	21.06	25.84	29.43	52.30
Helpers, construction trades	8.50	10.00	11.72	14.00	19.00
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	8.00	10.00	14.00	21.23	21.52
Helpers--carpenters	9.50	11.00	12.50	14.50	15.50
Helpers--electricians	8.00	9.00	10.00	11.72	13.00
Helpers--painters, paperhangers, plasterers, and stucco masons	7.85	9.38	10.00	11.00	12.00
Helpers--pipelayers, plumbers, pipefitters, and steamfitters ...	9.00	10.00	12.00	14.00	16.50
Helpers--roofers	7.45	8.50	9.50	10.00	12.50
Construction and building inspectors	16.69	20.00	24.30	30.76	35.18
Elevator installers and repairers	26.68	29.10	35.33	49.01	49.01

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Hazardous materials removal workers	\$10.00	\$10.50	\$16.48	\$30.15	\$30.51
Highway maintenance workers	9.99	11.84	14.91	18.94	24.29
Rail-track laying and maintenance equipment operators	12.35	15.12	21.44	26.81	28.57
Septic tank servicers and sewer pipe cleaners	10.81	13.00	18.89	21.25	21.25
Miscellaneous construction and related workers	9.00	10.00	15.50	19.88	25.00
Derrick, rotary drill, and service unit operators, oil, gas, and mining	10.78	10.78	16.00	28.40	30.82
Service unit operators, oil, gas, and mining	13.00	15.00	16.00	21.00	28.40
Earth drillers, except oil and gas	14.30	14.30	16.00	18.50	22.80
Mining machine operators	17.81	18.19	19.57	24.51	24.51
Mine cutting and channeling machine operators	13.75	17.90	19.36	19.61	19.79
Roustabouts, oil and gas	9.61	13.84	16.50	26.90	28.40
Helpers--extraction workers	7.50	9.65	10.74	14.00	16.62
Installation, maintenance, and repair occupations	11.00	14.25	18.57	24.69	29.68
First-line supervisors/managers of mechanics, installers, and repairers	16.73	19.09	24.76	32.30	38.38
Computer, automated teller, and office machine repairers	10.00	13.50	16.66	21.06	24.62
Radio and telecommunications equipment installers and repairers	14.00	22.69	27.89	29.81	31.81
Telecommunications equipment installers and repairers, except line installers	14.00	22.69	27.89	29.81	31.81
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	11.50	14.29	17.92	24.75	28.86
Electric motor, power tool, and related repairers	9.50	12.00	12.50	16.60	16.60
Electrical and electronics installers and repairers, transportation equipment	18.15	21.19	23.55	27.50	33.75
Electrical and electronics repairers, commercial and industrial equipment	14.55	15.55	21.86	27.86	28.61
Electrical and electronics repairers, powerhouse, substation, and relay	19.01	24.09	30.88	34.30	35.04
Electronic equipment installers and repairers, motor vehicles	14.86	15.50	16.00	28.86	28.86
Electronic home entertainment equipment installers and repairers	10.00	11.55	12.32	17.00	23.00
Security and fire alarm systems installers	13.00	16.13	18.50	21.30	24.18
Aircraft mechanics and service technicians	17.50	23.00	26.70	30.24	37.30
Automotive technicians and repairers	10.00	12.80	17.00	22.00	27.00
Automotive body and related repairers	10.00	13.00	15.00	19.00	25.01
Automotive glass installers and repairers	12.52	13.25	17.00	18.61	21.50
Automotive service technicians and mechanics	10.00	12.69	18.00	22.50	27.64
Bus and truck mechanics and diesel engine specialists	13.00	15.68	18.47	22.92	27.00
Heavy vehicle and mobile equipment service technicians and mechanics	13.00	15.50	18.55	21.73	24.58
Farm equipment mechanics	10.00	12.67	15.40	18.31	20.93
Mobile heavy equipment mechanics, except engines	13.65	16.30	18.75	21.80	24.74
Rail car repairers	16.00	18.51	21.73	25.17	29.17
Small engine mechanics	10.04	13.00	15.00	18.15	21.00

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Motorboat mechanics	\$9.80	\$11.07	\$18.15	\$18.15	\$18.15
Motorcycle mechanics	8.00	13.00	16.00	17.50	27.50
Outdoor power equipment and other small engine mechanics	11.00	14.00	15.00	17.00	21.00
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	7.50	9.00	10.00	12.25	14.00
Tire repairers and changers	7.50	9.00	10.00	12.25	13.50
Control and valve installers and repairers	13.42	16.67	19.61	25.75	29.83
Control and valve installers and repairers, except mechanical door	16.00	17.65	21.26	26.29	29.83
Heating, air conditioning, and refrigeration mechanics and installers	12.00	15.50	18.53	22.53	28.59
Home appliance repairers	11.00	14.35	17.52	21.77	26.42
Industrial machinery installation, repair, and maintenance workers	11.31	14.55	17.95	22.34	28.06
Industrial machinery mechanics	15.44	18.00	20.89	26.50	30.95
Maintenance and repair workers, general	10.00	12.36	15.95	20.00	25.00
Maintenance workers, machinery	11.81	13.71	15.58	19.77	24.23
Millwrights	15.95	16.91	21.74	26.46	31.68
Refractory materials repairers, except brickmasons	15.03	16.78	19.83	22.30	22.30
Line installers and repairers	16.00	22.21	27.01	28.90	31.52
Electrical power-line installers and repairers	16.88	23.47	27.34	30.52	35.23
Telecommunications line installers and repairers	15.96	21.25	26.89	28.80	29.48
Precision instrument and equipment repairers	11.73	14.49	21.09	27.73	32.35
Medical equipment repairers	10.50	14.49	17.60	25.55	26.93
Miscellaneous installation, maintenance, and repair workers	8.50	11.00	13.75	18.35	23.53
Coin, vending, and amusement machine servicers and repairers	10.62	11.33	13.50	17.31	19.39
Locksmiths and safe repairers	12.00	13.00	18.72	22.51	25.31
Manufactured building and mobile home installers	9.04	10.00	12.00	14.40	15.00
Riggers	10.00	11.17	19.50	24.50	26.00
Signal and track switch repairers	19.90	21.62	22.98	25.25	29.17
Helpers--installation, maintenance, and repair workers	8.20	9.20	11.50	14.45	18.00
Production occupations	8.45	10.40	13.76	18.52	25.24
First-line supervisors/managers of production and operating workers	14.43	17.70	22.05	27.31	33.09
Aircraft structure, surfaces, rigging, and systems assemblers	14.54	19.29	23.84	27.71	29.83
Electrical, electronics, and electromechanical assemblers	8.80	10.39	12.25	15.24	19.23
Coil winders, tapers, and finishers	8.34	8.50	10.38	13.00	15.98
Electrical and electronic equipment assemblers	8.80	10.47	12.00	14.88	19.98
Electromechanical equipment assemblers	9.33	10.61	13.54	16.85	19.25
Engine and other machine assemblers	11.50	14.30	18.00	23.93	28.39
Structural metal fabricators and fitters	10.07	12.50	15.00	17.00	25.13
Miscellaneous assemblers and fabricators	8.00	9.88	12.68	18.93	28.06
Fiberglass laminators and fabricators	11.00	12.00	12.07	13.63	15.37
Team assemblers	9.75	11.32	15.17	28.18	28.54
Bakers	7.73	9.60	11.74	14.21	18.06

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Butchers and other meat, poultry, and fish processing workers ..	\$7.30	\$9.20	\$11.20	\$14.75	\$18.56
Butchers and meat cutters	7.30	11.89	15.25	18.56	20.65
Meat, poultry, and fish cutters and trimmers	6.60	7.55	9.30	10.45	12.50
Slaughterers and meat packers	8.40	9.70	11.20	11.65	13.60
Miscellaneous food processing workers	7.88	9.00	12.18	15.41	18.13
Food and tobacco roasting, baking, and drying machine operators and tenders	8.00	8.50	12.18	14.40	17.08
Food batchmakers	7.25	10.75	13.80	16.88	19.06
Food cooking machine operators and tenders	7.50	8.00	10.20	12.17	16.89
Computer control programmers and operators	11.05	13.13	16.84	20.00	23.94
Computer-controlled machine tool operators, metal and plastic	10.50	12.75	16.25	18.81	22.00
Numerical tool and process control programmers	18.25	19.90	21.89	31.00	32.55
Forming machine setters, operators, and tenders, metal and plastic	9.00	11.44	14.52	17.52	19.44
Extruding and drawing machine setters, operators, and tenders, metal and plastic	8.45	10.95	14.28	16.89	18.33
Forging machine setters, operators, and tenders, metal and plastic	8.87	11.40	12.25	16.50	19.52
Rolling machine setters, operators, and tenders, metal and plastic	10.79	13.00	16.00	18.59	25.01
Machine tool cutting setters, operators, and tenders, metal and plastic	9.00	11.00	13.55	17.09	20.36
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	9.00	11.00	12.95	16.65	19.76
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	7.75	9.85	12.50	15.95	20.53
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	9.00	10.00	13.00	16.18	18.50
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	10.00	13.00	16.00	19.28	23.63
Milling and planing machine setters, operators, and tenders, metal and plastic	7.75	14.00	17.30	20.20	22.75
Machinists	13.91	16.19	20.00	24.00	27.46
Metal furnace and kiln operators and tenders	11.28	15.36	16.75	18.98	23.72
Metal-refining furnace operators and tenders	11.30	14.58	16.86	19.98	23.76
Pourers and casters, metal	10.75	16.75	16.75	17.98	18.98
Model makers and patternmakers, metal and plastic	13.83	15.00	21.90	29.15	33.19
Model makers, metal and plastic	14.25	16.75	24.27	29.15	33.19
Patternmakers, metal and plastic	13.83	13.83	16.00	21.48	21.90
Molders and molding machine setters, operators, and tenders, metal and plastic	8.09	10.00	12.00	15.05	19.14
Foundry mold and coremakers	12.38	14.01	15.61	17.50	26.69
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	8.05	9.82	11.94	14.80	19.14
Multiple machine tool setters, operators, and tenders, metal and plastic	9.50	12.05	15.85	20.13	24.54

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Tool and die makers	\$17.10	\$19.75	\$23.83	\$27.85	\$32.24
Welding, soldering, and brazing workers	10.75	12.64	15.89	18.90	24.55
Welders, cutters, solderers, and brazers	11.00	12.71	16.00	19.00	24.56
Welding, soldering, and brazing machine setters, operators, and tenders	9.50	11.40	14.75	17.81	24.54
Miscellaneous metalworkers and plastic workers	8.10	10.75	14.00	17.66	22.30
Heat treating equipment setters, operators, and tenders, metal and plastic	8.00	12.15	15.70	19.80	24.70
Lay-out workers, metal and plastic	13.25	14.00	15.00	17.00	19.43
Plating and coating machine setters, operators, and tenders, metal and plastic	8.50	11.04	13.67	18.04	23.18
Tool grinders, filers, and sharpeners	9.35	13.98	16.90	22.29	29.60
Bookbinders and bindery workers	8.00	8.75	12.50	16.29	20.00
Bindery workers	8.00	8.75	12.25	16.29	19.40
Printers	9.81	12.50	16.00	19.39	22.64
Job printers	11.00	13.14	17.59	20.13	21.35
Prepress technicians and workers	11.55	13.25	16.22	18.90	22.66
Printing machine operators	9.49	12.00	15.50	19.37	23.17
Laundry and dry-cleaning workers	7.25	8.05	9.31	10.75	14.00
Pressers, textile, garment, and related materials	6.58	7.65	9.08	10.50	11.00
Sewing machine operators	6.75	7.86	9.65	13.10	15.96
Tailors, dressmakers, and sewers	8.55	10.00	11.43	16.93	21.75
Sewers, hand	8.15	9.64	12.65	21.64	21.64
Tailors, dressmakers, and custom sewers	8.55	10.00	11.43	16.90	22.25
Textile machine setters, operators, and tenders	8.99	10.00	11.05	12.70	15.53
Textile bleaching and dyeing machine operators and tenders	9.00	9.80	11.82	14.00	19.70
Textile cutting machine setters, operators, and tenders	8.25	9.50	10.75	11.50	15.13
Textile knitting and weaving machine setters, operators, and tenders	9.10	10.15	12.09	13.31	15.00
Textile winding, twisting, and drawing out machine setters, operators, and tenders	9.34	10.35	11.59	12.62	15.53
Miscellaneous textile, apparel, and furnishings workers	8.25	10.00	11.04	16.00	19.32
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	9.35	12.98	16.50	19.03	19.03
Fabric and apparel patternmakers	14.95	16.08	18.35	23.13	26.38
Upholsterers	8.50	10.00	15.15	18.38	21.18
Cabinetmakers and bench carpenters	9.75	10.94	12.00	15.18	17.45
Furniture finishers	9.00	10.84	12.00	14.13	16.74
Model makers and patternmakers, wood	11.70	15.50	22.00	22.00	24.10
Woodworking machine setters, operators, and tenders	8.00	10.00	12.15	14.03	16.04
Sawing machine setters, operators, and tenders, wood	7.75	9.00	11.05	13.25	16.15
Woodworking machine setters, operators, and tenders, except sawing	8.90	10.62	13.00	14.28	16.00
Power plant operators, distributors, and dispatchers	20.60	26.56	30.43	31.15	36.27
Nuclear power reactor operators	31.03	31.15	31.15	31.15	34.92
Power distributors and dispatchers	18.80	19.19	29.81	34.17	42.42
Power plant operators	19.21	23.00	29.44	30.43	35.25

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Stationary engineers and boiler operators	\$14.90	\$19.63	\$24.54	\$29.89	\$34.04
Water and liquid waste treatment plant and system operators	13.14	17.22	20.12	24.00	29.21
Miscellaneous plant and system operators	16.14	20.63	25.25	28.47	30.63
Chemical plant and system operators	16.60	19.13	24.48	28.00	28.98
Gas plant operators	23.40	24.71	28.40	30.63	30.63
Petroleum pump system operators, refinery operators, and gaugers	9.50	25.25	27.25	28.95	30.72
Chemical processing machine setters, operators, and tenders	10.00	15.16	19.53	25.20	26.44
Chemical equipment operators and tenders	10.00	12.00	18.25	23.04	25.94
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	12.83	16.32	19.89	25.79	27.31
Crushing, grinding, polishing, mixing, and blending workers	9.75	11.25	14.44	18.38	21.86
Crushing, grinding, and polishing machine setters, operators, and tenders	10.00	11.60	15.59	18.23	25.39
Grinding and polishing workers, hand	7.25	10.00	11.50	14.44	18.85
Mixing and blending machine setters, operators, and tenders	10.25	12.37	16.05	19.96	22.13
Cutting workers	8.50	10.25	12.99	15.55	18.43
Cutters and trimmers, hand	8.49	10.00	12.99	15.25	17.53
Cutting and slicing machine setters, operators, and tenders	8.56	10.50	12.92	15.90	18.43
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	8.35	10.15	13.13	16.65	21.92
Furnace, kiln, oven, drier, and kettle operators and tenders	9.00	11.00	13.09	16.35	25.74
Inspectors, testers, sorters, samplers, and weighers	9.00	10.91	14.28	19.05	26.38
Medical, dental, and ophthalmic laboratory technicians	10.00	12.34	14.71	16.25	23.09
Dental laboratory technicians	10.00	12.50	14.00	16.00	24.11
Medical appliance technicians	11.58	14.71	14.90	16.68	18.41
Ophthalmic laboratory technicians	9.00	10.00	12.18	15.16	18.13
Packaging and filling machine operators and tenders	9.00	11.00	14.01	16.92	23.04
Painting workers	9.00	11.00	13.54	17.42	22.30
Coating, painting, and spraying machine setters, operators, and tenders	9.00	10.75	13.00	16.00	19.00
Painters, transportation equipment	12.00	13.50	17.57	20.00	28.14
Painting, coating, and decorating workers	8.00	10.50	12.25	14.65	17.58
Photographic process workers and processing machine operators	9.25	10.39	11.00	13.50	18.40
Photographic process workers	10.93	11.00	11.02	13.65	26.11
Photographic processing machine operators	8.50	9.66	10.71	13.09	16.78
Semiconductor processors	11.33	13.50	15.89	19.05	21.00
Miscellaneous production workers	7.75	9.00	11.34	15.53	21.01
Cementing and gluing machine operators and tenders	7.92	9.25	11.50	14.77	18.83
Cleaning, washing, and metal pickling equipment operators and tenders	10.00	10.24	13.00	28.65	28.65
Etchers and engravers	13.00	13.28	13.72	20.00	28.90
Molders, shapers, and casters, except metal and plastic	7.50	9.50	12.50	14.94	17.33
Paper goods machine setters, operators, and tenders	8.10	10.35	16.10	20.74	25.78
Tire builders	11.27	13.24	16.44	19.61	21.46
Helpers--production workers	7.25	9.00	10.25	12.74	16.12

See footnotes at end of table.

Table 16

Full-time civilian workers: Hourly wage percentiles¹ — Continued

Occupation ²	Wages fall at or below the following percentiles				
	10	25	50	75	90
Transportation and material moving occupations	\$8.00	\$10.00	\$13.35	\$17.83	\$22.71
First-line supervisors/managers of helpers, laborers, and material movers, hand	11.00	14.53	18.00	22.56	28.17
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	14.92	17.69	22.15	27.29	30.99
Aircraft pilots and flight engineers	26.31	47.80	89.71	137.17	172.89
Airline pilots, copilots, and flight engineers	47.64	68.29	108.21	154.62	173.63
Ambulance drivers and attendants, except emergency medical technicians	8.64	8.90	10.00	11.97	15.75
Bus drivers	10.00	12.73	16.06	20.11	23.81
Bus drivers, transit and intercity	10.00	13.20	16.64	22.08	24.28
Bus drivers, school	9.94	12.36	14.37	17.31	20.56
Driver/sales workers and truck drivers	9.75	12.00	15.02	19.71	24.48
Driver/sales workers	8.00	11.75	16.18	20.63	22.55
Truck drivers, heavy and tractor-trailer	11.25	13.37	16.00	20.00	24.30
Truck drivers, light or delivery services	8.50	10.00	12.70	17.34	25.88
Taxi drivers and chauffeurs	6.75	7.75	9.45	11.75	13.17
Locomotive engineers and operators	14.90	14.90	21.64	37.49	46.79
Locomotive engineers	14.90	14.90	21.80	38.61	47.60
Railroad brake, signal, and switch operators	14.09	15.98	25.41	29.40	36.85
Subway and streetcar operators	22.18	24.01	25.84	25.84	28.62
Sailors and marine oilers	9.00	9.58	13.62	14.38	21.41
Ship and boat captains and operators	13.75	14.58	19.07	21.79	30.29
Captains, mates, and pilots of water vessels	13.75	14.58	19.07	21.79	30.29
Ship engineers	20.42	21.94	25.83	42.13	42.13
Bridge and lock tenders	15.15	15.15	15.15	15.15	15.15
Parking lot attendants	5.67	6.95	7.50	9.00	10.00
Service station attendants	7.50	8.26	9.50	12.68	15.02
Transportation inspectors	17.25	18.01	18.98	26.97	41.92
Conveyor operators and tenders	8.75	10.75	14.27	15.85	26.86
Crane and tower operators	12.24	13.91	17.00	21.88	29.11
Dredge, excavating, and loading machine operators	11.00	12.50	15.50	18.00	22.89
Excavating and loading machine and dragline operators	11.00	12.50	15.50	17.71	22.89
Hoist and winch operators	8.75	10.76	18.88	20.33	27.61
Industrial truck and tractor operators	9.10	10.90	13.46	16.80	21.38
Laborers and material movers, hand	7.18	8.38	10.25	13.00	16.97
Cleaners of vehicles and equipment	7.00	8.21	9.30	11.50	14.90
Laborers and freight, stock, and material movers, hand	7.50	9.00	10.80	14.00	17.93
Machine feeders and offbearers	7.73	8.50	10.50	12.57	16.15
Packers and packagers, hand	6.75	7.50	9.32	11.43	14.25
Pumping station operators	16.00	19.67	21.81	21.81	26.01
Refuse and recyclable material collectors	7.94	9.37	11.01	16.70	20.37
Tank car, truck, and ship loaders	15.20	19.06	19.06	27.85	27.85

¹ Percentiles designate position in the earnings distribution and are calculated from individual worker earnings and the hours they are scheduled to work. See appendix A for more information.

² A classification system including about 800 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

NOTE: Dashes indicate that data did not meet publication criteria. Overall occupational groups may include data for categories not shown separately.

SOURCE: Bureau of Labor Statistics, National Compensation Survey.