

Table 19

Full-time private industry workers: Hourly wage percentiles<sup>1</sup>

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>All workers</b> .....	\$9.00	\$11.75	\$16.81	\$25.77	\$38.30
<b>Management occupations</b> .....	20.91	27.86	38.94	54.33	69.84
Chief executives .....	32.81	52.56	81.21	125.48	158.65
General and operations managers .....	22.95	29.86	41.69	61.38	87.05
Advertising and promotions managers .....	18.99	24.04	32.30	41.03	62.05
Marketing and sales managers .....	24.86	33.12	43.43	59.00	74.17
Marketing managers .....	28.85	36.08	46.81	61.54	74.17
Sales managers .....	23.50	30.38	41.25	57.07	74.35
Public relations managers .....	18.13	21.95	37.50	52.89	76.73
Administrative services managers .....	20.19	25.48	30.87	38.89	51.01
Computer and information systems managers .....	32.19	42.75	53.41	64.38	74.54
Financial managers .....	22.16	28.38	38.86	55.65	72.92
Human resources managers .....	22.28	28.17	39.08	48.60	64.69
Compensation and benefits managers .....	19.00	25.53	33.00	42.55	57.69
Training and development managers .....	24.94	33.00	35.73	46.49	71.48
Industrial production managers .....	27.34	33.44	41.67	48.34	60.03
Purchasing managers .....	23.08	29.70	39.09	50.80	62.60
Transportation, storage, and distribution managers .....	20.63	25.38	34.61	49.62	61.50
Agricultural managers .....	16.25	16.25	23.39	43.75	56.73
Farm, ranch, and other agricultural managers .....	16.25	16.25	23.39	43.75	56.73
Construction managers .....	22.30	27.93	36.10	45.43	53.85
Education administrators .....	16.82	21.38	28.68	34.62	53.41
Education administrators, preschool and child care center/program .....	14.19	17.00	22.78	30.52	30.52
Education administrators, elementary and secondary school ..	27.04	28.15	33.61	44.47	54.47
Education administrators, postsecondary .....	22.14	25.01	31.73	48.34	62.08
Engineering managers .....	36.00	44.35	57.47	64.98	71.64
Food service managers .....	14.43	17.63	23.22	29.37	40.59
Funeral directors .....	17.31	19.12	20.37	34.31	35.42
Lodging managers .....	12.19	17.09	18.88	32.69	39.76
Medical and health services managers .....	20.00	27.27	35.51	47.54	55.71
Natural sciences managers .....	30.95	38.00	41.48	54.97	70.09
Property, real estate, and community association managers .....	15.80	19.00	23.54	32.24	39.37
Social and community service managers .....	16.35	18.12	24.46	30.94	39.81
<b>Business and financial operations occupations</b> .....	18.15	22.05	28.05	35.82	47.45
Buyers and purchasing agents .....	18.89	21.60	26.00	32.60	41.39
Purchasing agents and buyers, farm products .....	18.87	23.81	35.70	41.39	41.89
Wholesale and retail buyers, except farm products .....	17.79	20.19	24.71	31.91	43.54
Purchasing agents, except wholesale, retail, and farm products .....	19.19	22.10	26.44	32.45	40.83
Claims adjusters, appraisers, examiners, and investigators .....	17.24	19.85	25.00	30.88	38.46
Claims adjusters, examiners, and investigators .....	17.17	19.85	24.85	30.88	38.46
Insurance appraisers, auto damage .....	18.00	20.00	27.77	30.96	34.54
Compliance officers, except agriculture, construction, health and safety, and transportation .....	19.84	22.57	24.42	34.08	38.46

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Business and financial operations occupations –Continued</b>					
Cost estimators .....	\$18.85	\$21.92	\$29.38	\$38.46	\$45.70
Human resources, training, and labor relations specialists .....	17.95	21.92	28.03	33.23	41.89
Employment, recruitment, and placement specialists .....	16.00	19.16	24.63	33.69	40.78
Compensation, benefits, and job analysis specialists .....	18.43	20.02	25.04	32.98	37.64
Training and development specialists .....	17.83	23.27	28.85	32.28	41.35
Logisticians .....	19.30	21.69	31.06	38.57	47.12
Management analysts .....	21.84	26.44	34.61	46.45	56.32
Meeting and convention planners .....	16.90	18.03	23.26	27.81	28.21
Accountants and auditors .....	18.13	22.00	27.40	33.85	44.71
Appraisers and assessors of real estate .....	17.36	18.77	24.04	33.18	40.87
Budget analysts .....	23.69	27.83	27.83	35.49	45.48
Credit analysts .....	18.67	20.90	24.85	30.58	38.94
Financial analysts and advisors .....	19.53	24.00	30.78	41.54	56.98
Financial analysts .....	22.56	25.64	32.63	43.87	59.31
Personal financial advisors .....	16.38	19.19	23.90	37.18	56.98
Insurance underwriters .....	19.67	22.33	29.51	39.66	50.00
Financial examiners .....	19.15	22.05	26.13	31.78	34.72
Loan counselors and officers .....	15.42	18.16	24.60	38.63	60.58
Loan counselors .....	12.50	17.50	21.62	34.75	42.42
Loan officers .....	15.42	18.23	25.00	38.63	61.30
<b>Computer and mathematical science occupations .....</b>	<b>20.57</b>	<b>26.52</b>	<b>35.84</b>	<b>44.59</b>	<b>53.62</b>
Computer and information scientists, research .....	26.83	36.06	48.08	59.33	72.60
Computer programmers .....	21.35	26.15	34.34	40.98	50.48
Computer software engineers .....	28.59	34.76	42.14	50.17	59.02
Computer software engineers, applications .....	27.97	33.61	41.12	50.00	58.56
Computer software engineers, systems software .....	31.37	35.85	42.84	50.44	59.19
Computer support specialists .....	14.70	18.81	23.58	32.11	42.79
Computer systems analysts .....	25.38	30.56	38.09	44.95	52.96
Database administrators .....	22.16	25.24	36.35	44.32	50.21
Network and computer systems administrators .....	20.67	24.04	30.86	38.86	45.94
Network systems and data communications analysts .....	22.40	26.48	33.33	41.63	48.37
Actuaries .....	25.64	32.83	40.53	51.07	61.31
Operations research analysts .....	19.79	25.21	34.29	45.19	50.12
Statisticians .....	18.44	27.64	30.75	50.18	55.64
<b>Architecture and engineering occupations .....</b>	<b>18.88</b>	<b>25.00</b>	<b>32.97</b>	<b>42.89</b>	<b>53.30</b>
Architects, except naval .....	20.00	23.56	29.29	39.55	50.92
Architects, except landscape and naval .....	20.19	23.65	30.77	40.10	51.15
Landscape architects .....	20.00	20.30	25.65	29.92	32.80
Surveyors, cartographers, and photogrammetrists .....	17.10	19.67	26.05	37.35	52.68
Surveyors .....	19.67	24.00	27.97	37.35	52.68
Engineers .....	25.96	31.55	39.14	47.58	58.19
Aerospace engineers .....	34.44	41.08	50.85	60.10	70.09
Chemical engineers .....	31.25	32.32	41.16	52.97	60.52

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Architecture and engineering occupations –Continued</b>					
Civil engineers .....	\$23.32	\$25.96	\$34.85	\$42.80	\$50.26
Computer hardware engineers .....	27.93	35.82	46.03	54.25	64.92
Electrical and electronics engineers .....	26.54	32.74	38.59	46.11	56.29
Electrical engineers .....	24.72	32.60	38.59	45.96	55.08
Electronics engineers, except computer .....	28.37	33.03	38.63	46.12	57.63
Environmental engineers .....	22.60	30.05	41.68	46.87	53.30
Industrial engineers, including health and safety .....	24.54	30.00	35.90	43.18	50.91
Health and safety engineers, except mining safety engineers and inspectors .....	30.03	31.75	36.54	50.91	58.78
Industrial engineers .....	24.17	29.28	35.58	42.12	48.61
Materials engineers .....	26.44	28.60	35.21	48.12	58.26
Mechanical engineers .....	25.41	29.48	34.97	42.09	50.12
Nuclear engineers .....	34.71	38.10	42.01	45.85	52.99
Petroleum engineers .....	29.75	39.37	50.71	76.97	83.56
Drafters .....	14.78	18.00	22.42	29.13	38.24
Architectural and civil drafters .....	14.78	17.50	21.37	29.65	36.08
Electrical and electronics drafters .....	13.89	15.43	22.81	25.92	30.66
Mechanical drafters .....	17.50	20.00	22.42	29.13	32.60
Engineering technicians, except drafters .....	13.64	19.23	25.34	29.56	35.28
Aerospace engineering and operations technicians .....	22.00	25.00	27.72	32.36	36.70
Civil engineering technicians .....	12.00	13.00	15.30	21.00	26.55
Electrical and electronic engineering technicians .....	13.61	18.72	24.87	29.03	33.11
Electro-mechanical technicians .....	19.71	23.63	26.45	29.56	31.80
Environmental engineering technicians .....	14.00	14.00	18.00	20.90	28.45
Industrial engineering technicians .....	17.19	20.03	25.00	29.27	34.38
Mechanical engineering technicians .....	18.50	20.08	24.84	33.18	41.84
Surveying and mapping technicians .....	12.50	14.00	21.25	25.62	40.50
<b>Life, physical, and social science occupations .....</b>	<b>17.00</b>	<b>21.22</b>	<b>27.99</b>	<b>38.75</b>	<b>52.00</b>
Life scientists .....	18.91	23.69	32.50	44.62	64.32
Agricultural and food scientists .....	15.87	32.41	40.94	44.62	44.62
Biological scientists .....	18.35	21.41	34.78	42.38	59.42
Biochemists and biophysicists .....	17.65	26.44	39.60	56.77	88.38
Conservation scientists and foresters .....	16.83	21.64	26.25	28.52	53.18
Medical scientists .....	19.54	23.63	31.20	45.76	66.34
Physical scientists .....	20.71	25.25	32.30	45.29	55.68
Astronomers and physicists .....	25.23	46.12	50.30	73.45	75.94
Physicists .....	25.23	46.12	49.90	73.45	75.94
Chemists and materials scientists .....	21.64	25.63	31.58	43.58	57.65
Chemists .....	21.64	25.18	30.48	39.50	55.63
Materials scientists .....	30.93	34.07	49.47	55.63	64.66
Environmental scientists and geoscientists .....	19.23	23.83	31.67	41.54	50.43
Environmental scientists and specialists, including health ..	18.51	21.64	28.05	36.20	47.89
Geoscientists, except hydrologists and geographers .....	22.82	28.85	34.68	48.08	50.77
Economists .....	21.64	21.64	35.48	43.27	100.96

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Life, physical, and social science occupations –Continued</b>					
Market and survey researchers .....	\$21.73	\$24.44	\$30.44	\$44.04	\$53.62
Market research analysts .....	21.64	24.04	29.90	45.40	53.62
Psychologists .....	15.87	17.39	21.17	28.82	48.84
Clinical, counseling, and school psychologists .....	17.11	17.39	21.42	30.80	58.97
Miscellaneous social scientists and related workers .....	21.63	22.51	30.07	48.24	65.00
Agricultural and food science technicians .....	14.00	15.00	16.96	21.46	34.66
Biological technicians .....	12.01	15.32	19.78	24.04	27.48
Chemical technicians .....	14.04	17.09	21.97	26.93	31.39
Geological and petroleum technicians .....	13.87	23.33	26.22	37.07	43.27
Nuclear technicians .....	27.50	31.17	36.37	43.87	44.93
Social science research assistants .....	16.63	20.00	23.10	25.00	30.00
Miscellaneous life, physical, and social science technicians .....	15.04	16.45	20.59	27.39	32.87
Environmental science and protection technicians, including health .....	16.50	21.20	26.71	32.87	32.87
<b>Community and social services occupations .....</b>					
Counselors .....	11.00	13.73	16.76	20.95	27.47
Substance abuse and behavioral disorder counselors .....	11.00	13.39	16.82	20.28	26.00
Educational, vocational, and school counselors .....	13.22	14.68	16.83	20.16	22.26
Mental health counselors .....	13.14	14.98	19.10	24.04	38.34
Rehabilitation counselors .....	11.50	15.01	18.12	20.40	28.00
Social workers .....	10.25	11.25	14.40	17.35	18.45
Child, family, and school social workers .....	13.73	15.87	18.31	23.44	29.28
Medical and public health social workers .....	12.50	14.36	16.77	19.58	24.73
Mental health and substance abuse social workers .....	16.94	20.17	23.77	28.92	31.07
Miscellaneous community and social service specialists .....	13.73	15.87	17.17	21.22	32.07
Health educators .....	9.80	11.69	14.08	17.07	21.00
Social and human service assistants .....	9.93	22.66	41.00	41.00	52.92
Clergy .....	9.32	10.64	12.82	15.00	18.00
Directors, religious activities and education .....	9.65	11.46	14.87	20.59	24.76
Directors, religious activities and education .....	16.00	20.93	23.14	25.00	54.60
<b>Legal occupations .....</b>					
Lawyers .....	16.34	19.95	30.45	52.89	81.73
Paralegals and legal assistants .....	26.44	35.24	53.85	78.13	97.84
Miscellaneous legal support workers .....	15.38	17.50	21.64	29.41	34.62
Title examiners, abstractors, and searchers .....	14.90	16.89	20.87	26.02	33.32
Title examiners, abstractors, and searchers .....	14.90	17.20	20.87	26.32	33.32
<b>Education, training, and library occupations .....</b>					
Postsecondary teachers .....	9.61	12.74	23.60	35.85	52.46
Business teachers, postsecondary .....	23.72	30.77	41.41	56.62	85.47
Math and computer teachers, postsecondary .....	26.16	26.16	35.11	63.55	92.61
Computer science teachers, postsecondary .....	24.98	33.76	35.82	53.29	72.07
Mathematical science teachers, postsecondary .....	20.83	26.39	37.16	61.64	82.84
Engineering and architecture teachers, postsecondary .....	33.66	33.76	35.26	50.46	70.23
Engineering teachers, postsecondary .....	38.11	47.47	81.41	90.58	103.86
Engineering teachers, postsecondary .....	38.11	50.41	81.41	92.63	105.11

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Education, training, and library occupations –Continued</b>					
Life sciences teachers, postsecondary .....	\$30.58	\$42.64	\$48.04	\$55.70	\$132.13
Biological science teachers, postsecondary .....	30.58	42.58	48.04	55.70	132.13
Physical sciences teachers, postsecondary .....	39.09	45.65	54.95	68.27	87.83
Chemistry teachers, postsecondary .....	39.09	43.56	50.50	58.43	75.93
Physics teachers, postsecondary .....	48.41	52.40	55.43	87.83	87.83
Social sciences teachers, postsecondary .....	31.04	34.73	44.51	54.61	72.31
Economics teachers, postsecondary .....	34.80	38.87	59.52	69.33	72.31
Psychology teachers, postsecondary .....	29.56	31.04	43.35	55.27	74.42
Sociology teachers, postsecondary .....	35.14	40.49	41.15	55.96	96.61
Health teachers, postsecondary .....	28.48	37.49	63.75	86.55	115.25
Health specialties teachers, postsecondary .....	28.48	59.30	70.46	90.05	132.21
Nursing instructors and teachers, postsecondary .....	28.36	31.88	36.07	38.65	40.77
Education and library science teachers, postsecondary .....	24.52	31.73	41.53	41.53	44.36
Education teachers, postsecondary .....	24.52	31.73	41.53	41.53	44.36
Law, criminal justice, and social work teachers, postsecondary .....	32.88	33.22	68.75	89.78	107.53
Law teachers, postsecondary .....	55.96	68.17	80.97	101.68	110.03
Arts, communications, and humanities teachers, postsecondary .....	28.32	32.33	40.87	48.30	59.15
Art, drama, and music teachers, postsecondary .....	29.02	32.89	38.46	42.45	43.14
Communications teachers, postsecondary .....	21.16	21.84	31.72	60.82	75.28
English language and literature teachers, postsecondary ....	30.42	34.09	42.59	52.46	66.07
Foreign language and literature teachers, postsecondary ....	35.32	39.62	48.77	55.07	78.38
History teachers, postsecondary .....	28.40	30.20	44.21	50.70	63.06
Philosophy and religion teachers, postsecondary .....	26.61	30.59	36.18	44.75	58.54
Miscellaneous postsecondary teachers .....	19.30	23.16	30.48	42.25	58.69
Vocational education teachers, postsecondary .....	17.05	20.00	23.16	28.62	32.95
Primary, secondary, and special education school teachers .....	10.00	13.44	20.17	32.00	38.86
Preschool and kindergarten teachers .....	9.00	10.50	13.10	15.63	19.62
Preschool teachers, except special education .....	9.00	10.50	13.10	15.50	19.50
Kindergarten teachers, except special education .....	7.70	7.70	13.09	21.33	26.67
Elementary and middle school teachers .....	16.90	21.53	26.68	33.60	39.13
Elementary school teachers, except special education .....	17.61	21.98	26.60	33.60	37.23
Middle school teachers, except special and vocational education .....	10.85	20.07	28.50	36.51	42.48
Secondary school teachers .....	18.17	24.67	32.64	40.13	52.26
Secondary school teachers, except special and vocational education .....	20.58	25.04	32.99	40.72	52.38
Special education teachers .....	17.02	20.14	25.53	32.15	52.51
Special education teachers, preschool, kindergarten, and elementary school .....	17.51	20.14	25.33	30.97	33.89
Special education teachers, secondary school .....	10.50	25.78	32.15	53.85	66.98
Other teachers and instructors .....	10.48	16.13	20.68	30.64	39.96
Adult literacy, remedial education, and GED teachers and instructors .....	18.21	18.49	18.49	22.66	25.87

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Education, training, and library occupations —Continued</b>					
Archivists, curators, and museum technicians .....	\$14.28	\$23.85	\$26.12	\$30.13	\$37.72
Curators .....	22.94	24.44	26.96	30.24	38.32
Librarians .....	20.07	21.59	30.22	41.83	54.83
Library technicians .....	13.47	14.46	17.44	24.03	27.08
Instructional coordinators .....	20.43	20.47	25.48	34.96	38.27
Teacher assistants .....	8.24	9.15	10.30	12.00	13.32
<b>Arts, design, entertainment, sports, and media occupations .....</b>					
Artists and related workers .....	13.00	16.84	23.27	31.83	45.33
Art directors .....	15.08	16.83	26.92	35.12	47.03
Multi-media artists and animators .....	16.83	21.64	29.42	42.86	48.76
Designers .....	15.39	20.77	27.38	33.65	38.82
Commercial and industrial designers .....	12.82	16.83	21.64	31.25	39.57
Fashion designers .....	23.52	28.30	33.26	41.40	45.33
Floral designers .....	20.83	24.04	33.65	48.08	49.23
Graphic designers .....	9.00	10.00	11.50	14.25	16.00
Interior designers .....	14.00	16.76	19.50	26.81	34.40
Merchandise displayers and window trimmers .....	16.88	20.20	27.92	31.39	38.73
Set and exhibit designers .....	10.00	11.85	15.45	20.37	25.12
Actors, producers, and directors .....	18.38	20.22	34.66	56.24	65.00
Producers and directors .....	11.77	17.43	22.96	46.09	86.09
Athletes, coaches, umpires, and related workers .....	11.77	17.43	22.96	46.09	86.09
Coaches and scouts .....	12.00	14.42	25.00	33.05	37.26
Musicians, singers, and related workers .....	12.00	14.42	25.00	33.05	40.87
Musicians and singers .....	21.96	21.96	30.44	32.92	46.94
Announcers .....	13.26	30.44	32.92	41.30	53.04
Radio and television announcers .....	14.32	16.84	21.13	45.35	96.15
News analysts, reporters and correspondents .....	14.32	16.84	21.13	45.35	96.15
Reporters and correspondents .....	12.00	14.42	23.65	39.34	68.74
Public relations specialists .....	11.75	14.22	22.47	34.96	63.55
Writers and editors .....	18.78	21.30	26.56	33.18	50.48
Editors .....	14.90	18.75	27.05	33.49	48.01
Technical writers .....	14.69	18.13	24.61	33.32	46.15
Writers and authors .....	16.59	20.89	28.79	37.76	49.14
Miscellaneous media and communication workers .....	15.00	18.43	23.61	29.57	51.28
Broadcast and sound engineering technicians and radio operators .....	18.90	21.35	23.26	25.00	28.71
Audio and video equipment technicians .....	11.22	17.23	21.14	32.11	39.01
Broadcast technicians .....	13.09	16.29	21.14	39.01	39.01
Photographers .....	9.00	15.39	21.16	31.15	38.02
Television, video, and motion picture camera operators and editors .....	9.13	9.59	12.98	15.36	18.15
Camera operators, television, video, and motion picture .....	14.82	17.00	24.02	28.60	30.59
Camera operators, television, video, and motion picture .....	13.02	15.50	18.00	27.04	31.20
<b>Healthcare practitioner and technical occupations .....</b>					
	15.00	19.57	26.36	35.00	49.69

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Healthcare practitioner and technical occupations –Continued</b>					
Dentists .....	\$42.81	\$50.48	\$50.48	\$69.71	\$91.10
Dietitians and nutritionists .....	17.20	21.39	21.70	27.60	34.11
Optometrists .....	34.94	44.01	54.76	67.31	67.31
Pharmacists .....	46.72	49.75	52.25	54.50	57.45
Physicians and surgeons .....	23.96	30.50	77.62	108.48	152.35
Anesthesiologists .....	25.01	88.89	132.48	172.16	202.08
Family and general practitioners .....	30.50	62.50	74.52	96.15	129.81
Internists, general .....	22.96	23.23	66.10	82.83	133.00
Pediatricians, general .....	25.22	25.22	64.69	79.81	93.75
Psychiatrists .....	68.34	76.51	83.15	83.15	83.15
Physician assistants .....	28.34	34.29	41.29	48.00	60.10
Registered nurses .....	21.98	25.48	30.00	36.06	43.13
Therapists .....	20.14	23.32	29.20	35.02	41.18
Occupational therapists .....	24.88	28.64	31.00	36.89	41.00
Physical therapists .....	22.07	28.15	33.60	37.32	44.94
Radiation therapists .....	26.39	29.20	41.67	48.99	49.99
Recreational therapists .....	14.94	15.04	16.60	20.14	23.32
Respiratory therapists .....	19.50	22.06	23.96	27.12	29.99
Speech-language pathologists .....	23.73	25.64	28.00	32.87	39.32
Veterinarians .....	39.73	40.88	43.27	48.08	50.04
Clinical laboratory technologists and technicians .....	12.80	15.23	19.21	24.81	29.05
Medical and clinical laboratory technologists .....	16.60	20.51	24.44	28.76	32.42
Medical and clinical laboratory technicians .....	11.69	14.16	16.58	19.94	24.79
Dental hygienists .....	21.79	28.00	33.00	36.10	41.00
Diagnostic related technologists and technicians .....	16.38	22.00	27.26	32.84	39.00
Cardiovascular technologists and technicians .....	11.89	14.08	24.82	37.36	46.02
Diagnostic medical sonographers .....	23.50	27.39	31.00	35.89	38.96
Nuclear medicine technologists .....	30.77	32.71	35.99	40.39	43.72
Radiologic technologists and technicians .....	16.60	21.06	25.98	30.37	34.99
Emergency medical technicians and paramedics .....	9.95	10.83	13.36	16.38	25.32
Health diagnosing and treating practitioner support technicians	11.21	13.29	16.04	19.51	22.70
Pharmacy technicians .....	10.86	12.51	14.83	16.64	19.22
Psychiatric technicians .....	9.00	11.00	13.00	16.84	19.67
Respiratory therapy technicians .....	18.50	19.59	21.15	25.20	27.33
Surgical technologists .....	14.32	16.71	19.17	21.63	23.43
Veterinary technologists and technicians .....	10.00	11.50	12.75	15.50	18.43
Licensed practical and licensed vocational nurses .....	14.50	16.80	18.90	21.63	25.00
Medical records and health information technicians .....	10.17	12.76	15.56	18.81	22.09
Opticians, dispensing .....	10.91	12.23	19.00	24.08	26.50
Miscellaneous health technologists and technicians .....	12.73	14.07	17.41	21.00	26.79
Occupational health and safety specialists and technicians .....	16.00	23.93	29.03	29.03	37.24
Occupational health and safety specialists .....	14.98	22.48	28.35	34.32	45.47
Miscellaneous healthcare practitioner and technical workers .....	18.99	18.99	30.10	37.63	37.63
<b>Healthcare support occupations .....</b>	<b>9.00</b>	<b>10.00</b>	<b>12.00</b>	<b>14.92</b>	<b>17.99</b>

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Healthcare support occupations –Continued</b>					
Nursing, psychiatric, and home health aides .....	\$8.60	\$9.60	\$10.79	\$12.72	\$15.04
Home health aides .....	7.65	9.00	9.90	11.07	12.66
Nursing aides, orderlies, and attendants .....	8.83	9.82	11.25	13.06	15.50
Psychiatric aides .....	8.32	9.00	10.00	11.21	13.48
Occupational therapist assistants and aides .....	9.67	10.25	16.94	24.69	28.94
Occupational therapist assistants .....	12.28	15.54	22.57	28.94	28.94
Occupational therapist aides .....	9.62	9.67	10.00	16.94	16.94
Physical therapist assistants and aides .....	9.50	10.73	17.00	24.00	35.00
Physical therapist assistants .....	16.95	17.25	21.82	31.00	35.00
Physical therapist aides .....	8.00	9.50	10.47	12.65	15.99
Massage therapists .....	8.49	10.71	20.00	21.28	46.04
Miscellaneous healthcare support occupations .....	10.00	11.68	14.00	16.75	19.50
Dental assistants .....	13.00	15.21	17.00	19.50	21.50
Medical assistants .....	10.00	11.00	13.00	15.81	18.43
Medical equipment preparers .....	10.96	12.42	14.31	17.00	18.46
Medical transcriptionists .....	11.00	13.00	14.50	17.24	19.76
Pharmacy aides .....	8.50	9.88	12.39	13.00	15.00
Veterinary assistants and laboratory animal caretakers .....	9.50	10.50	12.38	13.45	16.25
<b>Protective service occupations</b>					
First-line supervisors/managers, law enforcement workers .....	8.25	9.27	10.79	13.26	16.56
Bailiffs, correctional officers, and jailers .....	9.74	10.00	11.00	12.91	15.11
Correctional officers and jailers .....	8.72	8.96	9.49	10.81	12.04
Police officers .....	8.72	8.96	9.49	10.81	12.04
Police and sheriff's patrol officers .....	14.59	17.71	20.76	22.60	24.02
Police and sheriff's patrol officers .....	14.59	17.71	20.76	22.60	24.02
Private detectives and investigators .....	10.66	11.53	14.28	14.28	15.66
Security guards and gaming surveillance officers .....	8.00	9.25	10.50	12.55	15.40
Security guards .....	8.00	9.24	10.50	12.50	15.13
Miscellaneous protective service workers .....	7.35	8.78	9.50	12.68	16.48
Lifeguards, ski patrol, and other recreational protective service workers .....	7.35	7.35	8.00	9.74	11.50
<b>Food preparation and serving related occupations</b>					
First-line supervisors/managers, food preparation and serving workers .....	4.00	7.10	8.83	11.50	14.75
Chefs and head cooks .....	10.00	12.00	14.70	18.75	23.08
First-line supervisors/managers of food preparation and serving workers .....	11.02	12.00	16.30	22.12	27.30
Cooks .....	9.75	12.00	14.50	18.46	22.11
Cooks, fast food .....	7.50	8.75	10.42	12.50	14.55
Cooks, institution and cafeteria .....	6.75	7.50	8.45	9.65	12.00
Cooks, restaurant .....	8.24	9.33	11.00	13.49	16.36
Cooks, short order .....	8.00	9.38	11.00	12.51	14.50
Cooks, short order .....	7.25	7.75	9.00	11.50	13.25
Food preparation workers .....	7.25	8.00	9.45	11.13	12.80
Food service, tipped .....	2.13	3.34	5.28	7.95	9.00

See footnotes at end of table.



**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Food preparation and serving related occupations –Continued</b>					
Bartenders .....	\$4.00	\$5.00	\$7.50	\$8.83	\$10.50
Waiters and waitresses .....	2.13	2.53	4.25	6.51	8.00
Dining room and cafeteria attendants and bartender helpers ..	4.09	6.33	7.95	9.00	10.51
Fast food and counter workers .....	6.55	7.42	8.50	9.61	11.90
Combined food preparation and serving workers, including fast food .....	6.50	7.39	8.50	9.56	11.45
Counter attendants, cafeteria, food concession, and coffee shop .....	7.15	7.49	8.50	10.41	13.35
Food servers, nonrestaurant .....	4.05	7.75	8.50	10.90	14.52
Dishwashers .....	7.05	7.55	8.50	9.34	11.68
Hosts and hostesses, restaurant, lounge, and coffee shop .....	5.44	7.33	8.50	10.43	13.52
<b>Building and grounds cleaning and maintenance occupations</b>	7.61	8.60	10.70	13.77	18.10
First-line supervisors/managers, building and grounds cleaning and maintenance workers .....	10.75	12.97	15.50	21.15	26.33
First-line supervisors/managers of housekeeping and janitorial workers .....	10.44	12.50	14.50	20.50	24.22
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers .....	12.75	15.39	17.83	21.88	30.28
Building cleaning workers .....	7.50	8.39	10.19	12.95	16.75
Janitors and cleaners, except maids and housekeeping cleaners .....	7.74	8.85	11.00	13.68	17.76
Maids and housekeeping cleaners .....	7.34	8.00	8.75	10.41	13.12
Pest control workers .....	12.00	13.27	16.52	17.56	20.15
Grounds maintenance workers .....	8.00	9.00	10.50	13.47	16.83
Landscaping and groundskeeping workers .....	8.00	9.00	10.36	13.00	16.82
Tree trimmers and pruners .....	12.34	14.00	15.00	16.00	24.50
<b>Personal care and service occupations</b>	6.05	7.50	9.56	12.69	18.17
First-line supervisors/managers of gaming workers .....	10.00	11.50	13.35	17.98	21.44
Gaming supervisors .....	10.93	14.42	16.31	20.67	21.44
Slot key persons .....	9.50	10.36	11.85	12.36	13.19
First-line supervisors/managers of personal service workers .....	10.00	12.81	14.50	17.31	21.69
Nonfarm animal caretakers .....	8.05	9.35	9.57	11.00	15.79
Gaming services workers .....	5.38	5.81	6.55	7.51	8.07
Gaming dealers .....	5.34	5.78	6.47	7.38	7.98
Ushers, lobby attendants, and ticket takers .....	7.96	7.96	9.46	18.94	18.94
Miscellaneous entertainment attendants and related workers .....	7.40	8.00	10.00	12.74	16.35
Amusement and recreation attendants .....	7.25	8.00	9.18	12.74	15.81
Locker room, coatroom, and dressing room attendants .....	7.50	8.46	10.91	13.17	17.64
Barbers and cosmetologists .....	7.32	8.82	12.00	16.04	23.14
Hairdressers, hairstylists, and cosmetologists .....	7.28	8.65	12.00	16.10	23.14
Miscellaneous personal appearance workers .....	8.00	8.78	11.08	14.46	20.15
Manicurists and pedicurists .....	8.00	8.78	10.83	13.54	13.86
Baggage porters, bellhops, and concierges .....	6.33	7.23	9.00	12.70	18.94

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Personal care and service occupations –Continued</b>					
Baggage porters and bellhops .....	\$6.33	\$6.60	\$7.90	\$9.33	\$12.00
Concierges .....	10.00	11.67	14.55	18.94	18.94
Tour and travel guides .....	9.39	10.00	13.41	15.38	19.25
Tour guides and escorts .....	9.39	10.00	13.10	15.38	15.38
Transportation attendants .....	16.50	29.81	37.97	42.72	48.72
Flight attendants .....	20.00	30.73	37.97	42.72	48.72
Transportation attendants, except flight attendants and baggage porters .....	5.85	8.87	10.93	12.32	15.53
Child care workers .....	7.00	7.88	9.00	10.62	12.36
Personal and home care aides .....	7.84	9.00	10.10	11.50	12.12
Recreation and fitness workers .....	8.48	9.92	14.42	18.75	23.82
Fitness trainers and aerobics instructors .....	9.70	14.00	17.75	23.82	27.44
Recreation workers .....	7.60	9.00	12.73	17.16	20.00
Residential advisors .....	5.25	5.25	9.50	13.40	17.09
<b>Sales and related occupations</b>					
First-line supervisors/managers, sales workers .....	8.40	10.25	14.60	22.50	37.50
First-line supervisors/managers of retail sales workers .....	10.91	13.48	17.07	22.67	33.98
First-line supervisors/managers of non-retail sales workers ...	10.77	12.85	16.40	20.18	27.33
Retail sales workers .....	12.50	17.01	24.85	35.48	54.11
Cashiers, all workers .....	7.88	9.00	11.00	14.42	19.75
Cashiers .....	7.25	8.08	9.42	11.62	14.02
Gaming change persons and booth cashiers .....	7.25	8.00	9.25	11.31	13.90
Counter and rental clerks and parts salespersons .....	9.96	11.50	13.55	14.18	15.28
Counter and rental clerks .....	8.75	10.21	12.92	17.17	22.31
Parts salespersons .....	7.75	9.03	10.50	13.00	16.26
Retail salespersons .....	10.00	12.01	15.00	19.14	23.76
Advertising sales agents .....	8.25	9.55	11.99	16.20	22.96
Insurance sales agents .....	11.35	15.06	21.64	27.96	43.03
Securities, commodities, and financial services sales agents .....	12.50	16.62	21.01	31.97	49.73
Travel agents .....	15.83	21.64	38.56	67.98	118.69
Sales representatives, wholesale and manufacturing .....	7.15	10.73	13.75	19.23	25.34
Sales representatives, wholesale and manufacturing, technical and scientific products .....	14.43	18.91	26.16	38.97	54.13
Sales representatives, wholesale and manufacturing, except technical and scientific products .....	17.63	23.87	35.13	50.00	61.72
Models, demonstrators, and product promoters .....	13.80	18.27	23.66	34.80	48.93
Demonstrators and product promoters .....	10.98	13.05	14.66	18.82	26.88
Real estate brokers and sales agents .....	10.98	13.05	14.66	18.82	26.88
Real estate brokers .....	10.70	11.65	15.80	22.21	37.76
Real estate sales agents .....	6.94	13.05	13.08	22.29	37.76
Sales engineers .....	10.88	11.65	15.80	22.19	39.66
Telemarketers .....	20.84	26.39	32.25	41.92	49.72
Miscellaneous sales and related workers .....	8.00	8.59	10.28	14.77	18.97
	9.00	11.63	15.53	23.98	32.45

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Office and administrative support occupations</b> .....	\$10.00	\$12.00	\$14.96	\$18.88	\$23.44
First-line supervisors/managers of office and administrative support workers .....	14.94	17.77	21.25	26.92	31.20
Switchboard operators, including answering service .....	8.75	10.00	12.00	15.06	18.00
Telephone operators .....	9.00	10.00	12.50	18.32	21.83
Financial clerks .....	10.17	11.97	14.71	18.00	21.43
Bill and account collectors .....	8.16	12.00	14.70	18.46	22.56
Billing and posting clerks and machine operators .....	10.97	12.81	14.91	17.24	20.00
Bookkeeping, accounting, and auditing clerks .....	11.00	13.00	15.63	19.04	22.31
Payroll and timekeeping clerks .....	12.82	15.50	17.50	20.43	22.62
Procurement clerks .....	11.25	13.98	16.69	18.60	20.53
Tellers .....	9.52	10.30	11.50	13.46	15.37
Brokerage clerks .....	12.50	15.47	17.90	20.75	23.91
Correspondence clerks .....	12.98	13.63	16.12	19.33	23.95
Credit authorizers, checkers, and clerks .....	11.06	12.43	14.65	18.15	22.35
Customer service representatives .....	10.00	12.00	14.86	18.73	24.00
Eligibility interviewers, government programs .....	10.50	14.49	17.08	19.93	21.28
File clerks .....	9.40	10.76	12.55	15.94	16.50
Hotel, motel, and resort desk clerks .....	7.50	8.50	9.80	10.81	12.70
Interviewers, except eligibility and loan .....	9.85	11.13	13.42	15.43	18.26
Library assistants, clerical .....	9.23	12.02	14.38	16.72	18.54
Loan interviewers and clerks .....	11.11	13.18	15.87	18.37	21.57
New accounts clerks .....	10.64	12.00	13.93	15.89	20.26
Order clerks .....	10.00	11.69	14.68	18.60	21.29
Human resources assistants, except payroll and timekeeping .....	12.11	15.00	18.04	19.58	23.99
Receptionists and information clerks .....	9.50	10.82	12.50	14.76	17.73
Reservation and transportation ticket agents and travel clerks .....	9.00	10.74	15.00	18.85	21.54
Cargo and freight agents .....	13.25	14.13	18.63	22.42	39.00
Couriers and messengers .....	8.17	9.00	11.78	13.00	14.55
Dispatchers .....	10.00	13.00	16.50	21.25	24.81
Police, fire, and ambulance dispatchers .....	10.25	11.60	13.00	17.80	18.32
Dispatchers, except police, fire, and ambulance .....	10.00	13.50	16.50	21.92	25.00
Meter readers, utilities .....	11.00	13.26	16.56	20.25	26.54
Production, planning, and expediting clerks .....	12.62	14.99	18.63	23.84	26.99
Shipping, receiving, and traffic clerks .....	8.85	10.28	12.62	15.85	19.23
Stock clerks and order fillers .....	8.25	10.00	12.25	15.00	17.68
Weighers, measurers, checkers, and samplers, recordkeeping .....	10.00	11.58	13.55	17.25	21.42
Secretaries and administrative assistants .....	11.93	14.54	18.25	22.84	28.22
Executive secretaries and administrative assistants .....	15.00	17.79	21.52	25.89	30.32
Legal secretaries .....	14.00	17.05	21.55	28.85	33.81
Medical secretaries .....	10.00	12.00	14.52	18.08	21.50
Secretaries, except legal, medical, and executive .....	11.00	13.31	15.97	19.23	22.78
Computer operators .....	12.77	14.28	16.91	19.83	22.16
Data entry and information processing workers .....	10.00	11.45	13.00	15.25	18.49
Data entry keyers .....	10.00	11.05	12.57	14.62	17.75
Word processors and typists .....	12.00	12.30	15.24	19.63	28.62

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Office and administrative support occupations –Continued</b>					
Desktop publishers .....	\$11.40	\$14.31	\$18.07	\$22.76	\$27.80
Insurance claims and policy processing clerks .....	11.26	13.00	15.65	18.68	22.53
Mail clerks and mail machine operators, except postal service ..	8.25	10.00	11.39	14.42	17.36
Office clerks, general .....	10.00	11.53	13.95	17.03	21.00
Office machine operators, except computer .....	9.50	10.80	13.14	15.50	18.50
Proofreaders and copy markers .....	10.00	12.64	12.64	16.81	23.08
Statistical assistants .....	12.53	15.90	19.34	22.75	26.49
<b>Farming, fishing, and forestry occupations .....</b>					
First-line supervisors/managers of farming, fishing, and forestry workers .....	7.35	8.05	10.92	15.10	19.89
Graders and sorters, agricultural products .....	6.92	7.50	9.45	11.14	15.44
Miscellaneous agricultural workers .....	7.50	8.00	9.75	12.88	15.00
Farmworkers and laborers, crop, nursery, and greenhouse .....	7.69	7.85	9.54	12.00	15.00
Logging workers .....	10.00	13.34	17.08	18.55	24.29
<b>Construction and extraction occupations .....</b>					
First-line supervisors/managers of construction trades and extraction workers .....	11.00	14.00	19.00	26.33	34.70
Boilermakers .....	18.03	22.00	27.60	35.00	41.49
Brickmasons, blockmasons, and stonemasons .....	14.84	15.20	18.31	21.04	28.46
Brickmasons and blockmasons .....	18.00	22.00	25.19	28.65	34.05
Carpenters .....	18.00	22.02	25.36	28.65	34.05
Carpet, floor, and tile installers and finishers .....	13.70	16.00	20.00	26.51	35.51
Carpet installers .....	13.00	16.78	19.00	24.00	38.63
Tile and marble setters .....	17.86	20.00	20.00	24.85	38.67
Cement masons, concrete finishers, and terrazzo workers .....	13.00	16.00	16.97	22.00	25.73
Cement masons and concrete finishers .....	13.55	15.50	19.00	24.57	29.00
Construction laborers .....	13.55	15.50	19.00	24.57	29.00
Construction equipment operators .....	9.00	10.75	14.00	20.51	27.25
Paving, surfacing, and tamping equipment operators .....	11.76	14.50	17.90	24.00	29.79
Operating engineers and other construction equipment operators .....	10.72	12.50	15.25	20.00	25.00
Drywall installers, ceiling tile installers, and tapers .....	12.75	14.86	18.51	26.29	30.86
Drywall and ceiling tile installers .....	14.00	16.82	19.75	26.58	35.48
Tapers .....	13.52	16.82	19.94	27.00	35.48
Electricians .....	16.50	17.22	17.22	25.00	31.43
Glaziers .....	13.00	16.00	21.63	32.75	38.60
Insulation workers .....	6.25	12.65	17.50	26.49	30.11
Insulation workers, floor, ceiling, and wall .....	10.50	14.56	16.70	20.50	24.50
Insulation workers, mechanical .....	9.39	9.50	13.40	18.50	26.50
Painters and paperhangers .....	14.57	15.00	18.00	20.68	23.63
Painters, construction and maintenance .....	10.16	12.50	15.00	19.03	23.00
Pipelayers, plumbers, pipefitters, and steamfitters .....	10.50	12.69	15.00	19.00	23.00
Pipelayers .....	13.31	16.86	22.57	32.25	37.32
Pipelayers .....	10.68	13.00	14.50	26.87	28.00

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Construction and extraction occupations –Continued</b>					
Plumbers, pipefitters, and steamfitters .....	\$13.75	\$17.95	\$23.00	\$32.25	\$38.41
Plasterers and stucco masons .....	12.28	15.50	16.44	18.64	18.99
Reinforcing iron and rebar workers .....	11.50	13.00	16.50	20.25	30.51
Roofers .....	10.00	11.59	16.00	21.06	28.50
Sheet metal workers .....	12.00	15.00	18.72	26.50	35.11
Structural iron and steel workers .....	14.79	19.05	26.00	31.23	55.71
Helpers, construction trades .....	9.13	10.73	12.50	16.00	20.00
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters .....	9.00	10.00	14.00	22.99	24.63
Helpers--carpenters .....	9.80	12.00	13.61	16.00	17.50
Helpers--electricians .....	9.25	10.00	11.00	12.89	14.06
Helpers--painters, paperhangers, plasterers, and stucco masons .....	8.40	10.00	11.00	11.46	13.00
Helpers--pipelayers, plumbers, pipefitters, and steamfitters ...	9.13	11.23	12.90	14.80	18.13
Helpers--roofers .....	9.00	9.40	12.00	12.00	13.00
Construction and building inspectors .....	18.77	20.30	28.38	33.17	39.66
Elevator installers and repairers .....	26.51	35.22	38.46	52.66	52.66
Hazardous materials removal workers .....	10.50	11.00	17.00	21.00	33.63
Highway maintenance workers .....	8.50	18.50	20.72	22.66	23.20
Miscellaneous construction and related workers .....	10.34	12.25	15.84	20.00	25.98
Derrick, rotary drill, and service unit operators, oil, gas, and mining .....	12.10	12.10	24.88	34.41	34.41
Service unit operators, oil, gas, and mining .....	15.13	19.00	25.00	31.70	31.70
Earth drillers, except oil and gas .....	15.30	15.30	16.46	20.50	22.00
Mining machine operators .....	18.88	20.50	21.85	25.51	33.01
Continuous mining machine operators .....	20.50	20.50	25.51	25.51	33.44
Roustabouts, oil and gas .....	10.78	10.78	18.00	29.30	31.16
Helpers--extraction workers .....	13.10	15.00	15.75	20.50	20.50
<b>Installation, maintenance, and repair occupations</b> .....	11.98	15.00	19.50	26.13	31.30
First-line supervisors/managers of mechanics, installers, and repairers .....	17.96	20.21	25.15	32.89	41.08
Computer, automated teller, and office machine repairers .....	10.02	13.90	16.83	21.15	24.77
Radio and telecommunications equipment installers and repairers .....	18.06	24.76	29.35	31.32	33.77
Telecommunications equipment installers and repairers, except line installers .....	18.06	24.76	29.35	31.32	33.77
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers .....	11.55	14.70	19.52	26.54	31.73
Avionics technicians .....	7.45	7.90	14.70	20.84	28.14
Electric motor, power tool, and related repairers .....	10.00	11.50	13.64	15.09	20.75
Electrical and electronics repairers, commercial and industrial equipment .....	14.04	17.45	23.27	29.49	31.71
Electrical and electronics repairers, powerhouse, substation, and relay .....	21.93	28.95	35.85	36.92	37.72

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Installation, maintenance, and repair occupations</b> –Continued					
Electronic equipment installers and repairers, motor vehicles	\$12.50	\$15.00	\$17.00	\$17.00	\$24.19
Electronic home entertainment equipment installers and repairers .....	10.00	11.98	13.25	17.00	23.00
Security and fire alarm systems installers .....	13.00	16.50	20.60	24.50	28.75
Aircraft mechanics and service technicians .....	17.50	21.25	27.29	31.37	40.27
Automotive technicians and repairers .....	10.79	13.00	17.86	22.00	27.88
Automotive body and related repairers .....	12.00	13.00	16.32	20.78	27.91
Automotive glass installers and repairers .....	13.00	18.00	20.00	20.86	24.62
Automotive service technicians and mechanics .....	10.50	13.26	18.00	22.54	28.00
Bus and truck mechanics and diesel engine specialists .....	14.03	16.50	19.23	23.12	27.87
Heavy vehicle and mobile equipment service technicians and mechanics .....	13.50	16.78	19.22	23.10	27.11
Farm equipment mechanics .....	10.50	11.75	15.50	19.01	21.50
Mobile heavy equipment mechanics, except engines .....	15.50	17.64	20.60	23.50	28.16
Rail car repairers .....	14.50	17.00	18.41	22.35	28.08
Small engine mechanics .....	10.00	12.50	16.66	19.50	25.00
Motorboat mechanics .....	10.45	12.00	17.00	19.50	20.25
Motorcycle mechanics .....	10.00	11.00	15.25	27.50	36.76
Outdoor power equipment and other small engine mechanics	9.00	14.00	17.10	18.30	20.65
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers .....	7.44	8.75	10.10	12.75	16.45
Tire repairers and changers .....	7.36	8.50	10.00	12.75	14.90
Control and valve installers and repairers .....	12.07	17.25	20.97	25.55	33.79
Control and valve installers and repairers, except mechanical door .....	17.13	19.37	22.65	28.76	35.69
Heating, air conditioning, and refrigeration mechanics and installers .....	12.00	15.00	19.00	26.21	32.11
Home appliance repairers .....	14.10	17.00	18.58	21.30	21.30
Industrial machinery installation, repair, and maintenance workers .....	12.50	15.60	19.15	24.09	29.71
Industrial machinery mechanics .....	16.12	18.78	21.91	27.26	31.59
Maintenance and repair workers, general .....	11.00	13.22	17.01	21.00	26.56
Maintenance workers, machinery .....	12.83	14.72	16.87	21.00	25.33
Millwrights .....	18.00	19.27	25.06	28.81	38.71
Line installers and repairers .....	17.00	23.00	28.38	30.58	33.24
Electrical power-line installers and repairers .....	18.04	25.31	29.35	33.93	38.38
Telecommunications line installers and repairers .....	16.00	22.38	27.69	30.33	31.30
Precision instrument and equipment repairers .....	13.50	15.50	20.31	28.98	36.41
Medical equipment repairers .....	10.75	14.99	15.93	25.08	28.43
Musical instrument repairers and tuners .....	12.60	15.00	18.50	19.50	21.54
Miscellaneous installation, maintenance, and repair workers .....	9.62	12.00	15.00	19.25	24.99
Coin, vending, and amusement machine servicers and repairers .....	11.00	11.00	14.78	18.21	19.76
Locksmiths and safe repairers .....	12.00	13.00	15.00	19.95	26.07
Manufactured building and mobile home installers .....	8.68	10.00	11.00	12.50	17.00

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Installation, maintenance, and repair occupations –Continued</b>					
Riggers .....	\$10.93	\$11.50	\$15.00	\$24.00	\$26.57
Helpers--installation, maintenance, and repair workers .....	8.00	10.00	12.50	15.00	18.11
<b>Production occupations</b>					
First-line supervisors/managers of production and operating workers .....	9.00	11.00	14.50	19.36	26.15
Aircraft structure, surfaces, rigging, and systems assemblers .....	14.71	18.45	22.90	29.14	35.12
Electrical, electronics, and electromechanical assemblers .....	15.66	18.76	23.12	30.01	31.91
Coil winders, tapers, and finishers .....	9.00	10.61	12.46	16.08	20.00
Electrical and electronic equipment assemblers .....	9.00	10.00	11.53	14.15	19.92
Electromechanical equipment assemblers .....	8.86	10.50	12.32	15.06	21.07
Engine and other machine assemblers .....	9.85	11.06	13.83	17.62	19.20
Structural metal fabricators and fitters .....	11.75	14.50	17.14	25.22	29.48
Miscellaneous assemblers and fabricators .....	11.50	13.92	15.77	20.00	26.79
Fiberglass laminators and fabricators .....	8.75	10.50	13.77	18.50	28.75
Team assemblers .....	10.87	11.00	12.76	16.00	17.00
Bakers .....	9.22	11.60	13.95	22.27	29.10
Butchers and other meat, poultry, and fish processing workers ..	8.00	9.75	12.00	14.65	19.50
Butchers and meat cutters .....	8.10	9.90	12.00	14.40	17.92
Meat, poultry, and fish cutters and trimmers .....	10.00	12.25	15.41	17.98	21.34
Slaughterers and meat packers .....	7.28	8.50	9.80	11.00	12.00
Miscellaneous food processing workers .....	9.65	10.95	12.18	12.80	14.65
Food and tobacco roasting, baking, and drying machine operators and tenders .....	8.50	9.60	12.83	16.65	20.05
Food batchmakers .....	8.56	8.81	12.67	16.09	20.19
Food cooking machine operators and tenders .....	8.75	11.00	14.40	17.82	20.28
Computer control programmers and operators .....	7.50	9.00	9.75	13.02	17.79
Computer-controlled machine tool operators, metal and plastic .....	11.00	13.80	17.85	21.26	26.49
Numerical tool and process control programmers .....	10.98	13.05	17.05	20.00	24.50
Forming machine setters, operators, and tenders, metal and plastic .....	18.87	20.00	23.56	31.35	32.55
Extruding and drawing machine setters, operators, and tenders, metal and plastic .....	11.00	12.90	15.83	18.85	21.79
Forging machine setters, operators, and tenders, metal and plastic .....	11.05	13.53	15.58	18.85	20.59
Rolling machine setters, operators, and tenders, metal and plastic .....	10.75	11.81	15.04	19.60	22.25
Machine tool cutting setters, operators, and tenders, metal and plastic .....	11.00	12.50	16.50	19.94	22.40
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic .....	9.38	11.89	14.42	18.00	20.87
Drilling and boring machine tool setters, operators, and tenders, metal and plastic .....	9.41	11.75	13.50	16.91	20.25
	9.12	10.42	14.50	18.98	22.83

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Production occupations –Continued</b>					
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic .....	\$10.00	\$11.59	\$14.10	\$17.00	\$19.00
Lathe and turning machine tool setters, operators, and tenders, metal and plastic .....	10.00	13.62	17.50	20.04	23.12
Milling and planing machine setters, operators, and tenders, metal and plastic .....	8.15	16.00	19.00	21.29	22.50
Machinists .....	14.12	17.00	20.50	25.00	29.38
Metal furnace and kiln operators and tenders .....	10.75	13.27	17.53	19.98	23.54
Metal-refining furnace operators and tenders .....	11.00	12.93	18.98	21.20	25.47
Pourers and casters, metal .....	8.50	16.92	17.45	18.98	19.98
Model makers and patternmakers, metal and plastic .....	13.80	15.05	22.25	30.51	34.39
Model makers, metal and plastic .....	15.05	16.10	24.62	31.72	34.39
Patternmakers, metal and plastic .....	13.80	13.80	14.00	21.00	32.58
Molders and molding machine setters, operators, and tenders, metal and plastic .....	8.11	10.25	12.50	15.86	20.00
Foundry mold and coremakers .....	13.70	14.90	17.05	17.73	19.54
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic .....	8.00	9.86	12.35	15.58	20.00
Multiple machine tool setters, operators, and tenders, metal and plastic .....	9.83	11.50	14.10	18.64	24.50
Tool and die makers .....	17.51	20.56	24.31	27.00	33.29
Welding, soldering, and brazing workers .....	11.00	13.50	16.49	19.10	23.74
Welders, cutters, solderers, and brazers .....	11.21	13.60	16.50	19.36	23.33
Welding, soldering, and brazing machine setters, operators, and tenders .....	10.76	12.75	15.70	18.00	25.90
Miscellaneous metalworkers and plastic workers .....	8.26	11.07	14.75	18.00	21.98
Heat treating equipment setters, operators, and tenders, metal and plastic .....	9.00	10.50	16.15	18.89	23.75
Lay-out workers, metal and plastic .....	14.10	15.00	16.00	19.84	36.89
Plating and coating machine setters, operators, and tenders, metal and plastic .....	9.00	11.36	13.87	19.02	25.80
Tool grinders, filers, and sharpeners .....	9.60	14.80	17.22	19.04	25.00
Bookbinders and bindery workers .....	8.38	10.50	13.54	18.00	22.00
Bindery workers .....	8.38	10.50	13.54	18.00	22.00
Printers .....	10.00	12.78	16.48	20.69	24.79
Job printers .....	10.51	16.00	18.40	20.84	22.50
Prepress technicians and workers .....	10.25	13.67	19.28	23.50	26.67
Printing machine operators .....	9.75	12.48	15.56	20.00	23.95
Laundry and dry-cleaning workers .....	7.45	8.00	9.33	10.75	12.66
Pressers, textile, garment, and related materials .....	7.00	7.50	8.32	10.50	12.36
Sewing machine operators .....	7.50	8.97	10.59	14.07	16.61
Tailors, dressmakers, and sewers .....	9.00	10.95	13.00	18.62	23.35
Tailors, dressmakers, and custom sewers .....	9.00	10.95	12.90	18.15	23.35
Textile machine setters, operators, and tenders .....	9.42	10.35	12.05	13.90	15.59
Textile bleaching and dyeing machine operators and tenders .....	8.75	9.58	11.07	12.50	13.50

See footnotes at end of table.



**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Production occupations –Continued</b>					
Textile cutting machine setters, operators, and tenders .....	\$8.61	\$9.42	\$10.39	\$12.35	\$15.24
Textile knitting and weaving machine setters, operators, and tenders .....	9.68	11.11	13.90	14.98	15.71
Textile winding, twisting, and drawing out machine setters, operators, and tenders .....	9.66	10.38	11.90	12.97	16.25
Miscellaneous textile, apparel, and furnishings workers .....	8.50	10.24	11.80	17.00	20.23
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers .....	9.34	12.18	16.97	19.55	19.55
Fabric and apparel patternmakers .....	16.01	17.06	20.65	23.75	32.50
Upholsterers .....	9.02	11.00	15.76	19.57	21.74
Cabinetmakers and bench carpenters .....	10.44	11.67	15.00	16.65	18.20
Furniture finishers .....	10.30	11.56	13.60	15.50	18.27
Woodworking machine setters, operators, and tenders .....	8.50	10.50	12.50	14.98	17.15
Sawing machine setters, operators, and tenders, wood .....	8.25	9.56	11.85	14.00	17.00
Woodworking machine setters, operators, and tenders, except sawing .....	8.75	11.30	13.50	15.06	18.00
Power plant operators, distributors, and dispatchers .....	24.90	27.87	33.47	33.85	38.93
Power distributors and dispatchers .....	30.13	32.68	36.49	43.14	45.10
Power plant operators .....	19.00	27.19	27.87	32.73	35.84
Stationary engineers and boiler operators .....	15.41	22.02	29.15	30.77	34.16
Water and liquid waste treatment plant and system operators ....	16.73	18.38	20.81	26.13	33.00
Miscellaneous plant and system operators .....	17.74	21.89	27.97	31.15	33.40
Chemical plant and system operators .....	16.98	17.90	25.83	30.10	31.58
Gas plant operators .....	25.42	27.74	32.50	33.40	33.40
Petroleum pump system operators, refinery operators, and gaugers .....	9.50	27.11	29.25	31.15	33.58
Chemical processing machine setters, operators, and tenders ....	11.00	16.00	20.26	26.83	30.31
Chemical equipment operators and tenders .....	10.50	14.26	19.38	24.67	26.43
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders .....	12.73	17.24	21.25	29.40	31.27
Crushing, grinding, polishing, mixing, and blending workers ....	10.00	12.25	15.53	19.60	22.85
Crushing, grinding, and polishing machine setters, operators, and tenders .....	10.50	12.85	16.60	19.60	27.69
Grinding and polishing workers, hand .....	9.01	10.75	13.00	14.44	19.71
Mixing and blending machine setters, operators, and tenders	11.00	13.48	16.32	21.18	22.91
Cutting workers .....	9.40	11.00	14.23	16.73	20.15
Cutters and trimmers, hand .....	8.40	10.18	12.50	15.50	17.50
Cutting and slicing machine setters, operators, and tenders ....	9.58	11.80	14.50	17.75	20.34
Extruding, forming, pressing, and compacting machine setters, operators, and tenders .....	8.80	10.00	13.72	16.68	23.10
Furnace, kiln, oven, drier, and kettle operators and tenders .....	8.94	11.62	14.52	19.37	26.37
Inspectors, testers, sorters, samplers, and weighers .....	9.50	11.82	15.14	19.60	25.73
Medical, dental, and ophthalmic laboratory technicians .....	10.75	12.00	15.24	17.50	20.26
Dental laboratory technicians .....	10.50	12.00	15.43	17.50	20.26
Ophthalmic laboratory technicians .....	11.00	12.25	14.38	15.24	17.06

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Production occupations –Continued</b>					
Packaging and filling machine operators and tenders .....	\$8.75	\$11.29	\$14.46	\$17.88	\$21.70
Painting workers .....	9.25	11.00	14.10	17.47	21.71
Coating, painting, and spraying machine setters, operators, and tenders .....	9.25	11.00	13.25	16.61	18.50
Painters, transportation equipment .....	11.69	14.50	18.26	24.86	28.57
Painting, coating, and decorating workers .....	8.00	9.78	11.00	15.00	16.93
Photographic process workers and processing machine operators .....	9.29	11.00	12.31	15.00	18.00
Photographic process workers .....	11.24	11.24	11.24	24.83	30.33
Photographic processing machine operators .....	9.29	9.75	13.00	14.65	16.96
Semiconductor processors .....	11.95	14.31	17.45	19.68	22.77
Miscellaneous production workers .....	8.25	9.55	12.00	16.70	21.66
Cementing and gluing machine operators and tenders .....	9.20	10.53	14.28	18.04	21.53
Cleaning, washing, and metal pickling equipment operators and tenders .....	11.00	11.95	13.28	29.28	29.28
Cooling and freezing equipment operators and tenders .....	8.75	8.75	12.20	19.08	24.65
Etchers and engravers .....	10.25	13.92	14.00	14.47	21.25
Molders, shapers, and casters, except metal and plastic .....	8.00	10.00	14.00	16.03	25.00
Paper goods machine setters, operators, and tenders .....	8.71	10.82	16.65	20.46	25.58
Tire builders .....	10.75	11.54	17.32	20.00	22.09
Helpers--production workers .....	8.00	9.25	11.00	13.61	17.24
<b>Transportation and material moving occupations .....</b>	<b>8.50</b>	<b>10.30</b>	<b>13.85</b>	<b>18.35</b>	<b>23.50</b>
First-line supervisors/managers of helpers, laborers, and material movers, hand .....	13.70	15.62	20.01	24.04	30.00
First-line supervisors/managers of transportation and material-moving machine and vehicle operators .....	15.48	18.50	23.37	28.55	34.62
Aircraft pilots and flight engineers .....	24.96	34.91	92.66	146.61	161.47
Airline pilots, copilots, and flight engineers .....	22.00	75.96	111.62	151.43	163.12
Commercial pilots .....	24.96	25.23	32.00	34.91	52.02
Ambulance drivers and attendants, except emergency medical technicians .....	9.09	10.35	10.35	12.86	16.41
Bus drivers .....	10.40	12.00	14.47	17.85	23.35
Bus drivers, transit and intercity .....	11.00	13.00	14.47	17.85	23.35
Bus drivers, school .....	8.78	10.00	10.70	14.71	18.46
Driver/sales workers and truck drivers .....	10.00	12.54	16.31	20.95	25.73
Driver/sales workers .....	7.25	10.17	14.14	19.01	23.55
Truck drivers, heavy and tractor-trailer .....	12.00	14.50	17.35	21.50	25.32
Truck drivers, light or delivery services .....	9.00	10.45	13.75	20.00	28.18
Taxi drivers and chauffeurs .....	7.15	8.50	9.82	12.50	16.00
Locomotive engineers and operators .....	15.54	15.54	22.99	36.64	50.35
Locomotive engineers .....	15.54	15.54	23.75	38.47	51.69
Railroad brake, signal, and switch operators .....	15.18	17.38	22.42	30.69	34.81
Railroad conductors and yardmasters .....	14.43	14.43	21.95	35.51	40.03
Sailors and marine oilers .....	9.00	10.42	11.67	14.97	15.63

See footnotes at end of table.

**Table 19 Full-time private industry workers: Hourly wage percentiles<sup>1</sup> — Continued**

Occupation <sup>2</sup>	Wages fall at or below the following percentiles				
	10	25	50	75	90
<b>Transportation and material moving occupations –Continued</b>					
Ship and boat captains and operators .....	\$15.00	\$19.58	\$26.92	\$28.75	\$35.13
Captains, mates, and pilots of water vessels .....	15.00	19.58	26.92	28.75	35.13
Parking lot attendants .....	6.46	7.36	8.24	9.61	10.50
Service station attendants .....	7.91	8.15	9.00	12.52	16.02
Transportation inspectors .....	17.95	22.50	23.10	30.96	42.30
Conveyor operators and tenders .....	8.75	10.00	12.10	16.10	17.60
Crane and tower operators .....	13.75	16.00	20.00	25.20	31.10
Dredge, excavating, and loading machine operators .....	11.50	13.92	16.45	18.50	23.60
Excavating and loading machine and dragline operators .....	11.00	13.92	16.00	18.50	22.69
Hoist and winch operators .....	10.75	12.86	20.28	30.03	39.85
Industrial truck and tractor operators .....	9.65	11.50	13.77	17.00	21.12
Laborers and material movers, hand .....	7.94	9.00	10.84	13.65	17.29
Cleaners of vehicles and equipment .....	8.00	9.00	10.68	13.00	16.57
Laborers and freight, stock, and material movers, hand .....	8.00	9.08	11.17	14.32	18.05
Machine feeders and offbearers .....	8.00	8.72	10.60	13.41	16.54
Packers and packagers, hand .....	7.50	8.05	9.84	12.34	14.99
Pumping station operators .....	16.54	21.68	22.91	22.91	27.61
Refuse and recyclable material collectors .....	8.52	9.50	10.66	14.29	17.14
Tank car, truck, and ship loaders .....	14.00	16.00	20.22	20.22	31.30

<sup>1</sup> 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.

<sup>2</sup> 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.