

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
All workers	\$19.29	1.2%	\$23.33	0.7%	\$18.53	1.3%
Management occupations	39.96	1.5	38.30	3.0	40.01	1.5
Chief executives	95.42	23.9	–	–	95.58	24.0
General and operations managers	43.43	2.5	–	–	43.54	2.5
Legislators	21.68	16.1	–	–	21.68	16.1
Advertising and promotions managers	32.94	7.0	–	–	33.08	6.9
Marketing and sales managers	46.94	4.6	–	–	46.96	4.6
Marketing managers	51.22	6.7	–	–	51.23	6.7
Sales managers	42.48	4.9	–	–	42.51	4.9
Public relations managers	40.83	13.2	–	–	41.22	13.2
Administrative services managers	29.32	3.9	25.08	20.6	29.48	4.3
Computer and information systems managers	49.89	2.6	–	–	49.90	2.6
Financial managers	41.04	2.4	34.03	8.6	41.20	2.5
Human resources managers	34.48	8.4	–	–	34.53	8.4
Compensation and benefits managers	37.64	6.8	–	–	37.64	6.8
Training and development managers	30.63	16.2	–	–	30.63	16.2
Industrial production managers	38.60	2.8	–	–	38.60	2.8
Purchasing managers	39.80	4.6	–	–	39.84	4.6
Transportation, storage, and distribution managers	33.86	4.3	–	–	33.69	4.3
Construction managers	34.77	3.7	–	–	34.77	3.8
Education administrators	37.11	2.9	47.10	6.9	35.82	3.1
Education administrators, preschool and child care center/program	21.00	11.1	–	–	20.98	11.3
Education administrators, elementary and secondary school	43.23	3.1	57.83	4.8	40.82	2.6
Education administrators, postsecondary	37.39	7.0	36.32	3.9	37.47	7.6
Engineering managers	52.81	2.3	–	–	53.02	2.4
Food service managers	23.69	6.7	–	–	23.93	6.6
Funeral directors	22.11	15.1	–	–	22.11	15.1
Lodging managers	23.41	19.8	–	–	23.41	19.8
Medical and health services managers	37.75	9.3	32.84	1.8	37.91	9.5
Natural sciences managers	45.21	8.0	–	–	45.21	8.0
Property, real estate, and community association managers	24.58	5.1	–	–	24.45	5.3

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Social and community service managers	\$24.63	5.6%	\$31.14	3.1%	\$24.44	5.8%
Business and financial operations occupations	28.42	.9	24.80	4.8	28.66	.9
Buyers and purchasing agents	26.30	2.9	17.80	12.2	27.03	1.9
Claims adjusters, appraisers, examiners, and investigators	25.13	2.4	22.97	7.3	25.34	2.3
Claims adjusters, examiners, and investigators	25.04	2.5	22.97	7.3	25.26	2.5
Insurance appraisers, auto damage	26.37	7.0	—	—	26.37	7.0
Compliance officers, except agriculture, construction, health and safety, and transportation	25.33	7.4	24.75	5.5	25.41	8.5
Cost estimators	29.39	4.8	27.08	9.2	29.43	5.0
Human resources, training, and labor relations specialists	26.00	2.5	27.62	5.7	25.78	2.7
Employment, recruitment, and placement specialists	26.23	5.5	22.14	3.6	26.81	6.1
Compensation, benefits, and job analysis specialists	26.07	3.3	28.38	11.2	25.91	3.5
Training and development specialists	24.90	5.1	31.04	7.9	24.43	5.4
Logisticians	30.78	7.5	—	—	30.95	7.6
Management analysts	33.81	3.8	22.79	8.6	34.69	3.3
Meeting and convention planners	22.44	5.7	—	—	22.44	5.7
Accountants and auditors	27.13	2.2	24.20	5.6	27.29	2.2
Appraisers and assessors of real estate	24.17	7.1	—	—	24.23	7.6
Budget analysts	29.93	6.9	23.18	8.0	30.36	6.9
Credit analysts	26.30	5.2	—	—	26.30	5.2
Financial analysts and advisors	33.21	3.4	—	—	33.21	3.4
Financial analysts	36.10	3.7	—	—	36.10	3.7
Personal financial advisors	26.92	7.8	—	—	26.92	7.8
Insurance underwriters	30.52	6.1	—	—	30.52	6.1
Financial examiners	30.49	5.8	—	—	30.55	6.6
Loan counselors and officers	31.47	7.5	—	—	31.49	7.5
Loan counselors	20.57	22.2	—	—	20.54	22.7
Loan officers	31.93	8.0	—	—	31.94	8.0
Tax examiners, collectors, preparers, and revenue agents	20.01	11.7	25.05	2.8	18.72	13.8
Tax examiners, collectors, and revenue agents	22.34	9.9	25.05	2.8	21.31	13.9
Tax preparers	13.15	15.2	—	—	13.15	15.2

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Computer and mathematical science occupations	\$34.67	1.8%	\$29.58	3.1%	\$34.76	1.8%
Computer and information scientists, research	43.25	6.7	—	—	43.25	6.7
Computer programmers	31.96	3.2	28.00	6.3	32.08	3.2
Computer software engineers	41.16	1.7	—	—	41.19	1.7
Computer software engineers, applications	40.76	2.3	—	—	40.76	2.3
Computer software engineers, systems software	41.60	2.4	—	—	41.67	2.4
Computer support specialists	25.14	4.0	33.85	8.2	24.99	4.0
Computer systems analysts	37.29	2.6	29.82	8.1	37.50	2.7
Database administrators	31.56	4.2	—	—	31.56	4.2
Network and computer systems administrators	30.37	2.7	26.24	11.0	30.42	2.6
Network systems and data communications analysts	32.55	4.4	—	—	32.77	4.5
Actuaries	40.26	4.7	—	—	40.26	4.7
Operations research analysts	36.57	5.3	—	—	36.66	5.3
Statisticians	29.49	14.4	—	—	29.49	14.4
Miscellaneous mathematical scientists	20.20	4.9	—	—	20.20	4.9
Architecture and engineering occupations	31.48	2.3	29.26	2.2	31.66	2.5
Architects, except naval	31.50	5.4	30.67	10.9	31.54	5.5
Architects, except landscape and naval	31.76	5.5	—	—	31.84	5.6
Landscape architects	26.95	5.7	—	—	26.58	5.3
Surveyors, cartographers, and photogrammetrists	25.25	11.3	—	—	25.29	11.7
Cartographers and photogrammetrists	17.79	10.8	—	—	17.74	10.9
Surveyors	28.32	12.2	—	—	28.50	12.7
Engineers	37.25	1.1	33.99	3.3	37.43	1.2
Aerospace engineers	46.86	4.6	—	—	46.86	4.6
Chemical engineers	38.88	6.4	—	—	38.88	6.4
Civil engineers	33.06	2.7	32.05	5.3	33.21	2.8
Computer hardware engineers	41.47	6.1	—	—	41.47	6.1
Electrical and electronics engineers	37.58	2.6	—	—	37.59	2.7
Electrical engineers	37.09	4.3	—	—	37.08	4.4
Electronics engineers, except computer	38.03	2.9	—	—	38.04	2.9

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Environmental engineers	\$39.79	6.6%	\$30.50	4.2%	\$41.93	5.8%
Industrial engineers, including health and safety	34.83	2.5	—	—	34.80	2.6
Health and safety engineers, except mining safety engineers and inspectors	38.99	10.3	—	—	38.99	10.3
Industrial engineers	33.78	2.0	—	—	33.72	2.0
Marine engineers and naval architects	30.40	5.1	—	—	29.81	4.7
Materials engineers	35.14	7.0	—	—	35.96	7.6
Mechanical engineers	33.61	1.3	—	—	33.60	1.4
Nuclear engineers	41.48	4.4	—	—	41.53	4.5
Petroleum engineers	48.39	15.3	—	—	48.54	15.7
Drafters	22.68	1.6	25.84	5.4	22.46	1.7
Architectural and civil drafters	23.53	2.8	—	—	23.50	2.9
Electrical and electronics drafters	21.38	5.1	—	—	20.95	5.5
Mechanical drafters	22.35	4.0	—	—	22.14	3.7
Engineering technicians, except drafters	22.78	3.7	26.28	2.6	22.20	4.3
Aerospace engineering and operations technicians	25.05	4.8	—	—	24.78	5.4
Civil engineering technicians	18.51	10.9	21.58	5.2	17.85	12.9
Electrical and electronic engineering technicians	22.22	6.7	28.22	2.6	21.04	7.7
Electro-mechanical technicians	24.59	4.4	—	—	23.80	4.2
Environmental engineering technicians	29.07	17.1	23.96	15.2	29.76	18.7
Industrial engineering technicians	24.04	3.3	—	—	23.09	3.6
Mechanical engineering technicians	22.55	8.0	24.68	17.7	22.35	8.5
Surveying and mapping technicians ..	18.79	9.3	22.98	8.3	18.36	10.3
Life, physical, and social science occupations	28.87	3.2	29.64	5.6	28.75	3.6
Life scientists	30.39	7.0	27.39	7.3	30.73	7.7
Agricultural and food scientists	30.43	8.1	28.47	5.4	31.29	11.2
Animal scientists	39.02	30.0	—	—	—	—
Food scientists and technologists	35.43	10.5	—	—	35.43	10.5
Soil and plant scientists	26.21	6.0	—	—	24.27	9.0
Biological scientists	31.04	8.3	23.63	12.0	31.90	9.1
Biochemists and biophysicists ...	35.12	8.8	—	—	35.12	8.8
Microbiologists	23.23	10.1	—	—	22.85	10.3
Zoologists and wildlife biologists	24.89	3.8	—	—	22.85	5.1

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Conservation scientists and foresters	\$25.61	7.3%	\$24.04	6.7%	\$26.00	9.0%
Conservation scientists	26.70	9.2	—	—	28.01	11.2
Foresters	23.96	11.6	—	—	23.37	13.2
Medical scientists	30.41	10.5	—	—	30.21	11.0
Physical scientists	32.40	3.4	28.78	5.3	32.79	3.8
Astronomers and physicists	43.28	7.0	—	—	43.28	7.0
Physicists	45.90	8.9	—	—	45.90	8.9
Chemists and materials scientists ..	32.70	7.8	—	—	32.71	8.1
Chemists	31.30	7.0	—	—	31.23	7.3
Materials scientists	40.49	9.4	—	—	40.49	9.4
Environmental scientists and geoscientists	31.28	5.3	27.91	7.5	31.86	5.8
Environmental scientists and specialists, including health	28.72	7.3	28.75	7.8	28.72	8.3
Geoscientists, except hydrologists and geographers	40.95	7.5	—	—	41.52	7.8
Hydrologists	24.20	13.3	—	—	—	—
Economists	35.61	17.9	—	—	35.61	17.9
Market and survey researchers	32.74	5.4	—	—	32.74	5.4
Market research analysts	33.79	4.9	—	—	33.79	4.9
Psychologists	36.25	6.3	46.04	12.4	32.44	5.4
Clinical, counseling, and school psychologists	37.29	6.4	47.79	11.4	33.39	6.0
Sociologists	24.75	14.8	—	—	—	—
Urban and regional planners	27.12	3.5	28.57	5.9	26.39	4.2
Miscellaneous social scientists and related workers	27.12	21.0	—	—	26.75	22.5
Agricultural and food science technicians	16.68	19.8	—	—	15.63	20.6
Biological technicians	17.77	3.6	15.97	13.9	17.94	3.6
Chemical technicians	22.34	6.1	22.37	2.6	22.34	7.0
Geological and petroleum technicians	38.38	7.9	—	—	38.86	8.2
Nuclear technicians	35.23	5.8	34.91	7.8	—	—
Social science research assistants	21.90	6.7	—	—	21.90	6.7
Miscellaneous life, physical, and social science technicians	20.77	8.4	26.20	10.4	19.12	5.3
Environmental science and protection technicians, including health	24.60	12.5	—	—	20.48	7.9
Forest and conservation technicians	19.41	20.2	—	—	—	—

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Community and social services occupations	\$20.01	1.8%	\$26.03	3.2%	\$18.19	1.9%
Counselors	23.67	2.8	32.24	3.1	20.64	3.1
Substance abuse and behavioral disorder counselors	18.38	6.3	22.72	3.9	16.56	5.6
Educational, vocational, and school counselors	28.96	4.6	39.02	4.9	24.65	4.3
Marriage and family therapists	22.47	12.8	—	—	22.05	13.8
Mental health counselors	23.36	9.9	24.70	10.4	22.62	13.6
Rehabilitation counselors	15.80	5.2	22.32	6.4	14.67	4.8
Social workers	20.19	1.5	24.50	2.8	18.88	2.1
Child, family, and school social workers	19.45	2.6	25.63	5.5	17.36	2.5
Medical and public health social workers	22.39	4.3	26.83	8.0	21.80	5.0
Mental health and substance abuse social workers	18.65	3.9	23.54	5.2	17.84	4.4
Miscellaneous community and social service specialists	16.76	3.3	21.54	5.0	15.28	3.1
Health educators	27.27	10.4	21.50	20.9	29.43	12.1
Probation officers and correctional treatment specialists	22.62	6.1	27.16	6.2	19.06	5.4
Social and human service assistants	13.28	2.7	15.93	6.2	12.76	2.6
Clergy	15.53	8.9	—	—	15.53	8.9
Legal occupations	39.55	7.0	34.04	4.5	39.93	7.4
Lawyers	54.28	5.5	39.25	5.4	55.52	5.1
Judges, magistrates, and other judicial workers	52.60	12.4	—	—	56.09	11.7
Administrative law judges, adjudicators, and hearing officers	36.68	9.0	—	—	—	—
Judges, magistrate judges, and magistrates	58.17	11.5	—	—	58.20	11.5
Paralegals and legal assistants	22.07	6.0	26.46	6.6	21.98	6.0
Miscellaneous legal support workers	22.59	4.1	24.74	14.8	22.27	4.1
Court reporters	25.01	7.8	26.46	13.8	23.27	10.0
Law clerks	22.61	16.6	—	—	24.41	16.0
Title examiners, abstractors, and searchers	21.77	4.8	—	—	21.77	4.8
Education, training, and library occupations	30.70	1.8	36.20	1.4	26.83	3.0

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Postsecondary teachers	\$44.01	2.3%	\$46.09	5.1%	\$43.48	3.4%
Business teachers, postsecondary ..	58.82	22.1	50.57	22.0	62.41	22.3
Math and computer teachers, postsecondary	42.23	13.1	46.69	5.9	41.47	16.1
Computer science teachers, postsecondary	42.09	16.2	47.06	4.6	41.69	17.8
Mathematical science teachers, postsecondary	42.33	11.5	46.58	7.3	41.27	15.5
Engineering and architecture teachers, postsecondary	57.47	8.5	51.74	13.9	58.30	9.1
Architecture teachers, postsecondary	33.74	13.0	—	—	—	—
Engineering teachers, postsecondary	61.22	8.7	59.03	3.9	61.46	9.6
Life sciences teachers, postsecondary	50.74	10.9	53.16	11.9	50.50	12.0
Biological science teachers, postsecondary	50.46	11.3	46.33	8.1	50.76	12.1
Physical sciences teachers, postsecondary	45.01	8.9	52.98	8.9	42.76	9.3
Atmospheric, earth, marine, and space sciences teachers, postsecondary	49.28	12.8	61.44	9.6	41.46	14.0
Chemistry teachers, postsecondary	39.35	7.5	43.21	8.6	38.84	7.9
Physics teachers, postsecondary	57.76	10.8	53.49	11.8	60.43	13.0
Social sciences teachers, postsecondary	44.77	6.0	47.99	7.4	44.45	6.9
Anthropology and archeology teachers, postsecondary	50.46	11.9	—	—	50.50	12.0
Area, ethnic, and cultural studies teachers, postsecondary	50.25	6.9	—	—	—	—
Economics teachers, postsecondary	48.25	7.6	—	—	47.31	8.3
Geography teachers, postsecondary	32.15	15.9	—	—	—	—
Political science teachers, postsecondary	38.83	9.0	—	—	39.13	10.0
Psychology teachers, postsecondary	39.86	7.3	—	—	38.46	7.6
Sociology teachers, postsecondary	51.10	16.0	—	—	52.14	16.4
Health teachers, postsecondary	50.98	6.7	41.97	11.3	53.77	6.5

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Health specialties teachers, postsecondary	\$55.51	8.2%	\$44.56	15.9%	\$58.52	7.1%
Nursing instructors and teachers, postsecondary	33.77	2.2	35.30	3.1	33.06	3.0
Education and library science teachers, postsecondary	39.62	8.0	44.09	10.0	39.01	8.8
Education teachers, postsecondary	39.74	7.9	47.39	10.4	38.97	8.9
Law, criminal justice, and social work teachers, postsecondary ..	51.28	10.8	—	—	51.15	14.0
Criminal justice and law enforcement teachers, postsecondary	45.96	17.0	—	—	44.04	22.9
Law teachers, postsecondary	64.09	11.9	—	—	62.50	15.0
Social work teachers, postsecondary	27.28	8.1	—	—	25.08	6.8
Arts, communications, and humanities teachers, postsecondary	40.09	3.2	43.06	14.2	39.33	6.1
Art, drama, and music teachers, postsecondary	36.09	8.1	35.25	17.4	36.50	4.7
Communications teachers, postsecondary	37.13	11.7	36.26	24.5	37.56	12.7
English language and literature teachers, postsecondary	44.97	6.9	54.37	7.5	42.46	10.0
Foreign language and literature teachers, postsecondary	35.55	22.5	50.92	14.4	34.82	23.5
History teachers, postsecondary	42.07	7.5	41.16	11.2	42.24	8.9
Philosophy and religion teachers, postsecondary	40.07	4.2	—	—	39.61	4.1
Miscellaneous postsecondary teachers	40.02	2.8	45.97	3.9	38.03	3.5
Home economics teachers, postsecondary	24.88	11.5	—	—	—	—
Recreation and fitness studies teachers, postsecondary	29.70	13.7	42.64	12.8	23.43	19.5
Vocational education teachers, postsecondary	29.56	6.6	40.34	5.7	26.86	7.9
Primary, secondary, and special education school teachers	32.60	1.2	38.86	1.4	26.26	1.7
Preschool and kindergarten teachers	19.56	5.5	31.87	6.9	16.32	7.1
Preschool teachers, except special education	15.78	5.8	25.87	10.5	14.52	7.2

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Kindergarten teachers, except special education	\$30.12	5.3%	\$35.74	6.2%	\$24.91	7.3%
Elementary and middle school teachers	34.06	1.1	39.17	1.4	28.03	1.7
Elementary school teachers, except special education	34.23	1.3	39.56	1.6	27.81	1.8
Middle school teachers, except special and vocational education	33.21	1.7	37.11	2.4	29.03	2.4
Secondary school teachers	34.38	1.4	38.76	2.2	29.72	1.4
Secondary school teachers, except special and vocational education	34.48	1.3	38.73	2.3	29.88	1.3
Vocational education teachers, secondary school	32.75	6.4	39.42	5.7	27.22	6.9
Special education teachers	36.21	2.2	40.76	2.5	28.26	2.8
Special education teachers, preschool, kindergarten, and elementary school	37.16	2.9	42.26	2.7	27.91	4.6
Special education teachers, middle school	32.33	3.0	35.73	4.1	26.46	4.9
Special education teachers, secondary school	36.00	3.8	39.70	4.0	30.07	6.5
Other teachers and instructors	31.75	4.4	41.00	2.4	22.18	8.0
Adult literacy, remedial education, and GED teachers and instructors	27.65	8.8	36.96	9.7	22.55	7.6
Self-enrichment education teachers	21.79	7.1	29.07	11.3	20.78	7.9
Archivists, curators, and museum technicians	23.79	9.4	—	—	23.87	9.8
Archivists	25.41	18.0	—	—	26.27	21.8
Curators	25.07	9.7	—	—	25.07	9.7
Librarians	29.09	4.4	30.38	5.1	28.41	5.4
Library technicians	15.38	3.7	16.86	9.6	14.57	6.1
Farm and home management advisors	25.72	17.5	—	—	—	—
Instructional coordinators	27.35	8.9	34.30	4.4	25.46	8.9
Teacher assistants	11.51	1.4	13.70	2.0	10.51	1.6
Arts, design, entertainment, sports, and media occupations	24.93	3.6	38.33	12.2	23.27	3.7
Artists and related workers	24.22	9.9	—	—	24.44	10.5
Art directors	28.84	11.1	—	—	28.84	11.1
Multi-media artists and animators	25.70	15.4	—	—	26.21	16.6
Designers	21.89	3.7	25.88	20.2	21.65	3.6

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Commercial and industrial designers	\$32.29	3.5%	—	—	\$32.29	3.5%
Fashion designers	45.65	27.8	—	—	45.65	27.8
Floral designers	10.23	6.6	—	—	10.23	6.6
Graphic designers	20.73	3.1	\$27.99	17.3%	20.07	3.4
Interior designers	23.14	7.1	—	—	23.14	7.1
Merchandise displayers and window trimmers	15.28	10.6	—	—	16.09	12.7
Set and exhibit designers	30.13	25.4	—	—	24.48	17.5
Actors, producers, and directors	36.54	25.3	—	—	36.80	27.5
Producers and directors	37.42	25.7	—	—	37.01	27.6
Athletes, coaches, umpires, and related workers	27.04	17.2	—	—	26.76	17.7
Coaches and scouts	27.81	19.1	—	—	27.50	19.8
Umpires, referees, and other sports officials	16.34	19.4	—	—	16.22	20.5
Dancers and choreographers	11.26	40.5	—	—	11.26	40.5
Choreographers	17.55	9.3	—	—	17.55	9.3
Musicians, singers, and related workers	33.26	11.2	39.52	14.8	25.83	11.8
Music directors and composers	25.76	15.0	—	—	25.76	15.0
Musicians and singers	36.92	12.9	39.52	14.8	26.01	19.2
Announcers	27.67	27.8	—	—	28.52	28.4
Radio and television announcers	30.35	29.3	—	—	30.35	29.3
News analysts, reporters and correspondents	31.27	13.4	64.06	23.2	20.91	7.6
Reporters and correspondents	26.78	5.7	49.66	7.5	19.43	6.1
Public relations specialists	26.32	4.3	—	—	26.05	4.4
Writers and editors	26.56	4.4	29.50	12.9	26.25	4.1
Editors	25.29	5.9	34.68	9.0	24.38	6.0
Technical writers	30.01	6.7	—	—	30.04	6.8
Writers and authors	23.62	16.2	21.88	16.3	24.76	19.1
Miscellaneous media and communication workers	21.58	8.2	23.50	6.8	21.05	10.2
Interpreters and translators	19.98	14.6	—	—	20.04	15.1
Broadcast and sound engineering technicians and radio operators	22.67	9.8	33.48	8.6	18.18	11.2
Audio and video equipment technicians	22.10	10.7	30.67	13.1	16.57	8.0
Broadcast technicians	20.56	12.4	—	—	18.69	15.2
Sound engineering technicians	31.01	16.5	—	—	—	—
Photographers	14.90	11.5	—	—	14.27	11.9
Television, video, and motion picture camera operators and editors	21.37	11.1	31.66	15.1	18.25	8.7

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Camera operators, television, video, and motion picture	\$20.69	15.8%	\$33.71	21.5%	\$17.21	11.9%
Healthcare practitioner and technical occupations	27.49	1.5	29.30	2.8	27.19	1.7
Dentists	62.90	18.6	–	–	65.01	19.4
Dentists, general	66.00	19.9	–	–	68.56	21.3
Dietitians and nutritionists	22.67	3.2	25.99	4.1	22.09	3.4
Optometrists	50.34	8.0	–	–	50.34	8.0
Pharmacists	44.56	2.1	42.04	3.9	44.85	2.2
Physicians and surgeons	60.48	7.7	28.60	16.3	62.94	8.0
Anesthesiologists	98.12	23.5	–	–	98.12	23.5
Family and general practitioners ...	68.44	10.2	–	–	68.60	10.4
Internists, general	55.89	19.5	–	–	56.48	19.8
Pediatricians, general	57.57	25.0	–	–	57.57	25.0
Psychiatrists	70.53	8.6	63.97	24.3	71.53	6.8
Surgeons	87.41	27.8	–	–	96.10	24.9
Physician assistants	37.93	6.6	–	–	37.69	6.8
Registered nurses	29.33	.7	34.33	2.8	28.15	.9
Therapists	28.33	2.5	30.08	4.9	28.08	2.9
Audiologists	24.64	6.2	–	–	24.64	6.2
Occupational therapists	31.14	4.8	32.23	9.0	31.00	5.3
Physical therapists	32.70	3.6	32.76	12.6	32.69	3.7
Radiation therapists	33.51	6.9	–	–	33.49	7.5
Recreational therapists	18.57	8.9	23.04	3.9	16.98	8.6
Respiratory therapists	22.88	1.6	28.38	2.5	22.53	1.8
Speech-language pathologists	33.55	9.5	34.75	11.3	33.02	12.1
Veterinarians	39.79	8.4	–	–	39.79	8.4
Clinical laboratory technologists and technicians	19.07	2.2	22.04	4.7	18.78	2.3
Medical and clinical laboratory technologists	23.04	2.6	25.86	8.0	22.71	2.6
Medical and clinical laboratory technicians	16.52	3.1	18.62	4.4	16.35	3.2
Dental hygienists	31.53	4.6	–	–	31.62	4.6
Diagnostic related technologists and technicians	25.07	3.1	24.97	7.5	25.08	3.3
Cardiovascular technologists and technicians	22.96	9.8	–	–	22.90	10.2
Diagnostic medical sonographers ..	31.48	4.8	–	–	32.09	5.5
Nuclear medicine technologists	32.42	7.6	–	–	32.78	7.7
Radiologic technologists and technicians	24.40	2.6	24.47	10.0	24.39	2.8
Emergency medical technicians and paramedics	15.27	5.7	20.07	14.2	13.98	4.5

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Health diagnosing and treating practitioner support technicians ...	\$15.77	1.8%	\$18.10	3.6%	\$15.30	2.0%
Dietetic technicians	11.19	14.5	–	–	11.19	14.5
Pharmacy technicians	13.83	2.1	17.90	4.3	13.26	2.2
Psychiatric technicians	16.68	4.1	18.15	6.2	13.88	10.9
Respiratory therapy technicians	20.82	2.9	17.67	2.7	21.29	3.4
Surgical technologists	18.16	2.4	18.77	7.9	18.11	2.6
Veterinary technologists and technicians	14.44	8.1	–	–	14.44	8.1
Licensed practical and licensed vocational nurses	18.19	1.3	20.28	2.3	17.90	1.5
Medical records and health information technicians	15.00	4.0	15.61	4.8	14.96	4.3
Miscellaneous health technologists and technicians	18.57	6.9	21.41	7.3	18.07	8.5
Occupational health and safety specialists and technicians	23.87	5.3	20.62	4.9	25.30	4.6
Occupational health and safety specialists	23.13	5.8	20.62	4.9	24.79	6.5
Miscellaneous healthcare practitioner and technical workers	24.37	11.8	–	–	24.83	12.8
Athletic trainers	17.95	10.0	–	–	17.95	10.0
Healthcare support occupations	11.96	1.4	14.04	2.3	11.60	1.8
Nursing, psychiatric, and home health aides	10.84	1.2	13.65	2.3	10.18	1.4
Home health aides	9.17	4.4	11.02	3.6	8.87	4.0
Nursing aides, orderlies, and attendants	11.15	1.2	13.84	1.3	10.55	1.2
Psychiatric aides	12.57	5.4	15.29	4.3	10.57	3.0
Occupational therapist assistants and aides	15.36	7.2	18.26	7.1	14.14	9.6
Occupational therapist assistants ...	17.11	8.3	17.82	7.9	16.59	13.1
Occupational therapist aides	12.77	9.8	–	–	11.75	6.6
Physical therapist assistants and aides	15.94	10.9	15.54	6.0	15.96	11.5
Physical therapist assistants	21.14	14.0	17.92	7.4	21.25	14.4
Physical therapist aides	10.87	3.9	14.48	5.8	10.61	4.3
Massage therapists	19.21	16.3	–	–	19.21	16.3
Miscellaneous healthcare support occupations	13.37	1.8	15.09	3.4	13.21	2.0
Dental assistants	15.95	2.4	–	–	16.00	2.4
Medical assistants	13.24	2.5	16.30	2.6	13.03	3.0
Medical equipment preparers	13.47	4.3	14.96	7.4	13.22	4.9
Medical transcriptionists	15.31	5.7	17.76	5.7	15.08	6.2
Pharmacy aides	10.61	5.4	15.37	11.5	9.89	4.5

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Veterinary assistants and laboratory animal caretakers	\$11.01	8.0%	–	–	\$10.82	8.0%
Protective service occupations	18.23	2.6	\$25.50	1.5%	13.75	2.5
First-line supervisors/managers, law enforcement workers	32.23	3.2	36.15	3.0	26.77	6.5
First-line supervisors/managers of correctional officers	25.89	12.5	36.21	5.4	18.06	13.5
First-line supervisors/managers of police and detectives	33.98	2.1	36.14	3.5	30.40	4.6
First-line supervisors/managers of fire fighting and prevention workers	28.49	4.4	28.95	5.8	27.68	5.9
Fire fighters	20.10	2.4	22.59	2.0	15.12	3.7
Fire inspectors	21.72	10.9	27.98	3.1	18.37	11.8
Fire inspectors and investigators ...	21.93	11.8	28.73	2.8	18.50	12.6
Bailiffs, correctional officers, and jailers	18.05	5.2	22.70	2.4	13.88	4.0
Bailiffs	20.63	4.0	23.24	3.8	14.15	5.9
Correctional officers and jailers	17.95	5.5	22.67	2.6	13.87	4.1
Detectives and criminal investigators	27.01	4.5	31.12	5.6	23.01	5.2
Fish and game wardens	19.49	9.4	–	–	17.32	11.9
Parking enforcement workers	17.36	7.7	19.31	6.4	–	–
Police officers	24.57	1.0	27.39	1.0	19.49	1.9
Police and sheriff's patrol officers	24.58	1.0	27.40	1.0	19.49	1.9
Animal control workers	17.04	7.4	20.68	8.7	13.16	8.8
Security guards and gaming surveillance officers	10.78	2.1	15.22	6.7	10.39	2.0
Security guards	10.76	2.2	15.23	6.7	10.37	2.0
Miscellaneous protective service workers	11.20	3.9	14.63	4.0	10.33	5.2
Crossing guards	10.86	6.8	12.68	6.8	9.77	6.4
Lifeguards, ski patrol, and other recreational protective service workers	8.53	2.2	13.48	5.5	8.29	1.7
Food preparation and serving related occupations	8.00	1.1	11.61	1.7	7.78	1.1
First-line supervisors/managers, food preparation and serving workers	14.47	1.7	16.31	6.5	14.41	1.8
Chefs and head cooks	16.83	5.0	18.01	10.9	16.71	5.8
First-line supervisors/managers of food preparation and serving workers	14.13	1.9	15.33	7.5	14.10	1.9
Cooks	9.84	1.2	13.62	2.0	9.58	1.2

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Cooks, fast food	\$7.38	2.6%	–	–	\$7.29	2.5%
Cooks, institution and cafeteria	11.26	1.7	\$13.51	2.0%	10.69	1.5
Cooks, restaurant	10.13	1.2	14.00	4.2	10.01	1.4
Cooks, short order	9.08	2.5	–	–	9.01	2.7
Food preparation workers	9.03	1.6	11.48	2.8	8.54	1.5
Food service, tipped	5.29	1.9	9.20	6.4	5.14	2.0
Bartenders	6.87	2.2	10.19	9.3	6.80	2.3
Waiters and waitresses	4.54	2.9	8.20	10.3	4.45	3.0
Dining room and cafeteria attendants and bartender helpers	7.00	1.9	9.96	6.9	6.62	2.4
Fast food and counter workers	7.58	1.0	11.30	4.9	7.42	1.3
Combined food preparation and serving workers, including fast food	7.53	1.2	11.27	5.3	7.37	1.4
Counter attendants, cafeteria, food concession, and coffee shop	7.81	2.0	11.43	7.9	7.64	2.0
Food servers, nonrestaurant	8.37	4.8	11.21	4.5	7.70	5.8
Dishwashers	7.93	1.3	11.79	3.1	7.77	1.0
Hosts and hostesses, restaurant, lounge, and coffee shop	7.84	3.6	10.09	5.1	7.77	3.6
Building and grounds cleaning and maintenance occupations	11.49	2.3	14.63	2.4	10.55	2.2
First-line supervisors/managers, building and grounds cleaning and maintenance workers	18.81	5.3	23.11	3.6	18.32	6.0
First-line supervisors/managers of housekeeping and janitorial workers	17.24	4.7	22.52	4.8	16.51	5.3
First-line supervisors/managers of groundskeeping workers	22.70	10.7	26.62	3.8	22.49	11.6
Building cleaning workers	10.64	2.3	14.10	2.8	9.42	1.7
Janitors and cleaners, except maids and housekeeping cleaners	11.14	2.3	14.15	3.1	9.77	1.6
Maids and housekeeping cleaners	8.87	1.9	12.24	3.5	8.47	1.9
Pest control workers	16.13	4.5	–	–	16.07	4.7
Grounds maintenance workers	11.94	2.6	17.05	4.1	11.06	3.2
Landscaping and groundskeeping workers	11.69	2.7	16.84	4.2	10.89	3.3
Tree trimmers and pruners	16.77	7.9	18.95	10.9	16.01	9.3
Personal care and service occupations	10.58	5.6	16.81	2.3	9.79	5.2

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
First-line supervisors/managers of gaming workers	\$14.08	3.6%	—	—	\$14.10	3.7%
Gaming supervisors	16.03	7.1	—	—	16.03	7.1
Slot key persons	11.10	1.5	—	—	11.11	1.7
First-line supervisors/managers of personal service workers	15.88	3.6	—	—	15.62	4.0
Nonfarm animal caretakers	10.83	16.0	\$16.33	7.9%	10.54	17.9
Gaming services workers	6.41	5.7	—	—	6.40	5.5
Gaming dealers	6.24	2.2	—	—	6.24	2.2
Gaming and sports book writers and runners	10.84	26.7	—	—	10.84	26.7
Motion picture projectionists	14.49	34.7	—	—	—	—
Ushers, lobby attendants, and ticket takers	10.52	7.5	12.26	9.5	8.83	10.7
Miscellaneous entertainment attendants and related workers Amusement and recreation	8.37	4.0	10.77	7.7	8.19	4.2
attendants	8.02	5.0	11.21	7.5	7.77	4.9
Locker room, coatroom, and dressing room attendants	9.60	8.1	—	—	9.65	8.3
Funeral attendants	11.08	9.5	—	—	11.08	9.5
Barbers and cosmetologists	12.66	6.1	—	—	12.76	6.3
Hairdressers, hairstylists, and cosmetologists	12.74	6.6	—	—	12.85	6.8
Miscellaneous personal appearance workers	14.47	19.2	—	—	13.71	20.2
Manicurists and pedicurists	10.54	11.2	—	—	10.54	11.2
Skin care specialists	24.04	22.7	—	—	24.04	22.7
Baggage porters, bellhops, and concierges	9.81	9.7	—	—	8.93	3.6
Baggage porters and bellhops	7.99	4.6	7.54	16.6	8.02	5.0
Concierges	12.95	9.6	—	—	10.93	8.1
Tour and travel guides	11.76	9.2	—	—	10.89	7.7
Tour guides and escorts	11.59	9.5	—	—	10.66	7.6
Transportation attendants	29.65	4.3	29.88	2.7	—	—
Flight attendants	34.18	3.8	32.44	3.8	—	—
Transportation attendants, except flight attendants and baggage porters	14.42	10.7	17.26	7.1	10.29	8.6
Child care workers	9.02	1.9	12.23	5.8	8.60	1.6
Personal and home care aides	9.03	5.3	9.69	5.6	8.91	6.5
Recreation and fitness workers	12.07	3.3	14.53	12.5	11.90	3.3
Fitness trainers and aerobics instructors	14.27	5.1	—	—	14.22	5.2
Recreation workers	11.36	3.7	14.33	12.9	11.10	3.7

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Residential advisors	\$9.67	17.3%	–	–	\$9.47	17.3%
Sales and related occupations	16.57	1.4	\$14.97	4.1%	16.63	1.4
First-line supervisors/managers, sales workers	19.96	3.6	19.24	3.0	19.97	3.6
First-line supervisors/managers of retail sales workers	17.23	2.2	19.14	3.1	17.20	2.2
First-line supervisors/managers of non-retail sales workers	28.95	8.0	–	–	28.96	8.0
Retail sales workers	11.02	1.6	12.63	2.6	10.93	1.7
Cashiers, all workers	8.95	1.2	12.27	3.4	8.53	1.3
Cashiers	8.86	.8	12.27	3.4	8.41	.8
Gaming change persons and booth cashiers	11.37	6.0	13.61	10.3	11.33	6.6
Counter and rental clerks and parts salespersons	12.06	3.5	16.19	8.0	11.95	3.6
Counter and rental clerks	10.20	6.4	15.44	11.1	10.04	6.8
Parts salespersons	14.36	3.2	17.25	17.2	14.29	3.2
Retail salespersons	12.59	2.7	13.78	8.9	12.57	2.7
Advertising sales agents	23.07	10.7	–	–	21.03	6.8
Insurance sales agents	25.86	6.3	–	–	25.93	6.3
Securities, commodities, and financial services sales agents	53.03	8.7	–	–	53.03	8.7
Travel agents	14.13	10.4	–	–	14.20	10.7
Sales representatives, wholesale and manufacturing	29.97	3.4	19.65	20.8	30.22	3.6
Sales representatives, wholesale and manufacturing, technical and scientific products	35.57	6.6	–	–	35.57	6.6
Sales representatives, wholesale and manufacturing, except technical and scientific products	27.88	3.0	19.65	20.8	28.16	3.3
Models, demonstrators, and product promoters	13.95	8.4	–	–	13.95	8.4
Demonstrators and product promoters	13.96	8.4	–	–	13.96	8.4
Real estate brokers and sales agents ..	26.86	11.2	–	–	26.86	11.4
Real estate brokers	25.37	13.2	–	–	25.37	13.2
Real estate sales agents	27.31	13.9	–	–	27.31	14.3
Sales engineers	34.17	4.5	–	–	34.29	4.6
Telemarketers	10.90	9.5	–	–	10.65	9.0
Miscellaneous sales and related workers	15.13	6.9	15.71	8.6	15.11	7.1

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Door-to-door sales workers, news and street vendors, and related workers	\$14.66	20.5%	–	–	\$14.63	20.6%
Office and administrative support occupations	14.86	.7	\$17.66	1.6%	14.52	.7
First-line supervisors/managers of office and administrative support workers	21.84	1.3	24.92	5.3	21.67	1.4
Switchboard operators, including answering service	11.30	4.0	15.93	4.6	10.78	3.4
Telephone operators	14.41	9.0	19.69	3.3	11.28	6.3
Financial clerks	14.17	1.2	17.75	2.9	13.97	1.2
Bill and account collectors	14.32	4.5	19.86	4.2	13.97	4.8
Billing and posting clerks and machine operators	14.13	1.7	18.35	6.3	13.90	1.7
Bookkeeping, accounting, and auditing clerks	15.08	1.3	17.39	4.1	14.90	1.3
Gaming cage workers	10.35	2.6	–	–	10.37	2.6
Payroll and timekeeping clerks	16.76	1.7	20.06	6.2	16.59	1.8
Procurement clerks	15.93	3.6	17.45	5.4	15.86	3.8
Tellers	11.22	.9	–	–	11.22	.9
Brokerage clerks	18.12	5.3	–	–	18.01	5.1
Correspondence clerks	14.42	5.7	–	–	14.19	5.9
Court, municipal, and license clerks ..	16.00	3.6	17.47	3.8	15.02	5.0
Credit authorizers, checkers, and clerks	14.94	4.2	–	–	14.89	4.3
Customer service representatives	15.08	1.7	23.72	2.7	14.35	1.7
Eligibility interviewers, government programs	17.39	1.6	18.25	2.4	16.33	3.3
File clerks	11.64	3.4	15.92	3.4	11.39	3.8
Hotel, motel, and resort desk clerks ..	9.34	1.6	16.87	1.9	9.31	1.6
Interviewers, except eligibility and loan	12.20	3.4	16.62	6.0	11.95	3.6
Library assistants, clerical	12.81	2.3	15.11	3.6	11.56	2.9
Loan interviewers and clerks	15.13	2.1	–	–	15.10	2.0
New accounts clerks	12.97	2.5	–	–	12.97	2.5
Order clerks	14.24	2.8	21.06	4.1	13.71	2.8
Human resources assistants, except payroll and timekeeping	16.87	3.9	18.43	5.4	16.75	4.2
Receptionists and information clerks	12.01	1.5	14.88	3.3	11.95	1.5
Reservation and transportation ticket agents and travel clerks	14.13	6.6	17.02	3.5	12.80	8.1
Cargo and freight agents	21.27	21.9	–	–	15.05	6.4
Couriers and messengers	10.62	2.9	14.03	9.3	10.46	2.7

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Dispatchers	\$16.95	3.2%	\$22.44	5.4%	\$15.50	3.0%
Police, fire, and ambulance dispatchers	16.23	4.3	18.76	6.5	14.55	3.9
Dispatchers, except police, fire, and ambulance	17.32	4.2	29.32	2.9	15.84	3.5
Meter readers, utilities	16.66	4.4	19.35	5.6	13.62	4.8
Production, planning, and expediting clerks	18.86	2.9	21.33	3.9	18.45	3.2
Shipping, receiving, and traffic clerks	12.90	1.6	16.52	4.4	12.48	1.5
Stock clerks and order fillers	11.85	1.7	13.46	2.8	11.32	1.8
Weighers, measurers, checkers, and samplers, recordkeeping	12.53	3.8	17.30	7.5	11.85	5.0
Secretaries and administrative assistants	17.44	.8	17.19	2.9	17.47	.9
Executive secretaries and administrative assistants	20.07	1.7	17.59	13.0	20.16	1.6
Legal secretaries	20.42	5.6	18.25	3.5	20.53	6.0
Medical secretaries	14.26	3.4	15.85	5.2	14.17	3.5
Secretaries, except legal, medical, and executive	15.78	1.0	17.17	3.4	15.49	1.3
Computer operators	16.39	3.1	17.45	11.2	16.17	2.9
Data entry and information processing workers	13.57	1.5	15.33	1.7	13.01	1.9
Data entry keyers	12.71	1.7	14.28	2.6	12.49	1.7
Word processors and typists	15.44	3.0	15.87	1.8	15.00	5.9
Desktop publishers	18.61	6.4	–	–	18.15	6.9
Insurance claims and policy processing clerks	15.36	2.2	18.81	3.0	15.21	2.2
Mail clerks and mail machine operators, except postal service ...	11.74	4.4	15.07	19.1	11.34	3.8
Office clerks, general	13.66	1.0	16.76	2.3	13.12	1.3
Office machine operators, except computer	12.28	3.0	12.29	11.4	12.28	2.9
Proofreaders and copy markers	13.83	14.3	–	–	11.87	7.5
Statistical assistants	16.25	5.9	–	–	16.07	6.2
Farming, fishing, and forestry occupations	12.03	7.6	13.99	14.0	11.81	8.5
First-line supervisors/managers of farming, fishing, and forestry workers	18.55	12.7	–	–	–	–
Graders and sorters, agricultural products	8.99	8.9	9.61	5.3	8.88	10.3
Miscellaneous agricultural workers ...	10.04	7.0	12.34	2.7	9.85	7.7

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Farmworkers and laborers, crop, nursery, and greenhouse	\$10.52	8.1%	—	—	\$10.51	8.1%
Farmworkers, farm and ranch animals	9.59	12.8	—	—	8.23	11.7
Logging workers	15.71	16.2	—	—	12.25	9.4
Logging equipment operators	18.49	13.6	—	—	—	—
Construction and extraction occupations	19.46	1.5	\$27.02	1.2%	16.39	1.4
First-line supervisors/managers of construction trades and extraction workers	26.54	3.0	32.82	3.5	24.23	3.3
Boilermakers	21.15	6.7	23.21	7.3	19.09	7.4
Brickmasons, blockmasons, and stonemasons	25.20	6.2	28.56	4.1	23.40	12.5
Brickmasons and blockmasons	25.72	5.9	28.56	4.1	24.07	12.6
Carpenters	20.43	2.9	26.69	3.4	18.44	3.1
Carpet, floor, and tile installers and finishers	19.46	9.4	30.55	7.5	16.14	5.9
Carpet installers	22.30	17.2	31.86	6.8	16.64	17.4
Tile and marble setters	18.11	8.3	—	—	15.87	3.2
Cement masons, concrete finishers, and terrazzo workers	19.19	3.8	26.38	5.0	17.15	3.9
Cement masons and concrete finishers	19.17	3.7	26.47	5.3	17.15	3.9
Construction laborers	15.03	4.9	22.10	3.5	12.84	4.8
Construction equipment operators	18.54	3.9	25.02	4.0	15.91	4.1
Paving, surfacing, and tamping equipment operators	15.56	5.3	19.24	10.6	14.89	5.9
Operating engineers and other construction equipment operators	19.48	4.3	25.86	3.5	16.32	4.9
Drywall installers, ceiling tile installers, and tapers	17.66	5.2	25.89	7.9	15.92	3.9
Drywall and ceiling tile installers ..	17.40	6.4	27.35	8.7	15.77	4.5
Tapers	18.72	6.8	23.26	5.9	16.66	5.9
Electricians	22.93	3.8	28.46	4.1	17.29	2.7
Glaziers	18.35	15.3	27.47	4.8	12.77	18.3
Insulation workers	16.37	7.3	21.03	14.9	14.71	4.3
Insulation workers, floor, ceiling, and wall	14.23	5.6	—	—	14.20	5.7
Insulation workers, mechanical	17.84	10.6	21.00	15.0	—	—
Painters and paperhangers	15.22	3.9	23.32	5.1	14.37	3.7
Painters, construction and maintenance	15.15	4.0	23.32	5.1	14.28	3.7

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Pipelayers, plumbers, pipefitters, and steamfitters	\$22.63	7.3%	\$29.05	6.5%	\$17.67	3.5%
Pipelayers	17.09	9.9	26.62	6.8	12.64	3.6
Plumbers, pipefitters, and steamfitters	23.20	6.5	29.23	6.6	18.32	3.1
Plasterers and stucco masons	16.58	5.5	—	—	15.60	3.6
Reinforcing iron and rebar workers ...	17.02	13.3	—	—	—	—
Roofers	16.06	7.6	24.03	2.8	15.00	7.6
Sheet metal workers	19.66	7.7	27.90	6.9	15.99	7.2
Structural iron and steel workers	27.79	13.4	30.45	13.5	17.36	9.7
Helpers, construction trades	12.56	2.3	19.03	10.0	11.94	2.9
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	15.77	12.4	—	—	14.09	15.6
Helpers--carpenters	12.71	5.1	—	—	12.75	5.4
Helpers--electricians	10.53	3.5	—	—	10.23	3.3
Helpers--painters, paperhangers, plasterers, and stucco masons ..	10.16	4.1	—	—	10.16	4.1
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	12.33	3.2	—	—	12.17	3.2
Helpers--roofers	9.54	5.5	—	—	9.54	5.5
Construction and building inspectors	25.38	3.8	29.07	3.2	22.47	6.8
Elevator installers and repairers	37.92	14.3	38.10	14.5	—	—
Hazardous materials removal workers	18.87	24.3	—	—	13.46	19.9
Highway maintenance workers	15.65	7.0	17.86	7.8	13.39	6.0
Rail-track laying and maintenance equipment operators	21.38	9.5	23.50	4.4	—	—
Septic tank servicers and sewer pipe cleaners	17.43	10.4	18.89	7.5	17.23	12.7
Miscellaneous construction and related workers	15.95	4.6	22.46	5.8	14.00	5.2
Derrick, rotary drill, and service unit operators, oil, gas, and mining	19.37	19.7	—	—	19.06	19.6
Service unit operators, oil, gas, and mining	18.34	13.5	—	—	17.43	15.1
Earth drillers, except oil and gas	16.94	9.3	—	—	16.94	9.4
Mining machine operators	20.77	7.1	—	—	20.77	8.0
Mine cutting and channeling machine operators	18.09	6.2	—	—	18.12	6.2
Roustabouts, oil and gas	18.47	7.9	—	—	18.47	7.9
Helpers--extraction workers	11.67	8.0	—	—	11.37	7.4
Installation, maintenance, and repair occupations	19.70	1.6	24.81	1.2	17.97	1.9

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
First-line supervisors/managers of mechanics, installers, and repairers	\$26.49	3.5%	\$32.67	4.2%	\$25.81	3.8%
Computer, automated teller, and office machine repairers	17.24	5.6	–	–	17.19	5.5
Radio and telecommunications equipment installers and repairers	25.42	2.7	28.48	1.3	16.90	4.4
Telecommunications equipment installers and repairers, except line installers	25.42	2.7	28.48	1.3	16.90	4.4
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	19.32	5.0	26.46	4.3	16.59	6.4
Electric motor, power tool, and related repairers	13.79	7.7	–	–	–	–
Electrical and electronics installers and repairers, transportation equipment	23.92	9.7	25.40	8.5	–	–
Electrical and electronics repairers, commercial and industrial equipment	21.63	5.8	25.81	6.9	18.98	4.2
Electrical and electronics repairers, powerhouse, substation, and relay	29.22	7.5	30.21	10.3	26.81	10.3
Electronic equipment installers and repairers, motor vehicles	20.01	12.7	–	–	14.94	4.7
Electronic home entertainment equipment installers and repairers	14.31	6.3	–	–	14.31	6.3
Security and fire alarm systems installers	19.12	4.4	–	–	18.86	4.7
Aircraft mechanics and service technicians	26.85	7.4	28.18	4.3	25.62	14.1
Automotive technicians and repairers	17.98	2.8	21.46	4.8	17.72	2.8
Automotive body and related repairers	16.93	8.8	18.59	6.2	16.86	9.1
Automotive glass installers and repairers	16.73	5.3	–	–	16.73	5.3
Automotive service technicians and mechanics	18.29	2.9	21.86	5.1	17.97	3.0
Bus and truck mechanics and diesel engine specialists	19.58	2.0	22.07	3.3	18.40	3.8
Heavy vehicle and mobile equipment service technicians and mechanics	18.67	2.2	23.04	3.6	17.46	2.9

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Farm equipment mechanics	\$15.57	6.4%	–	–	\$15.56	6.5%
Mobile heavy equipment mechanics, except engines	19.30	2.1	\$22.97	5.0%	18.23	2.5
Rail car repairers	22.12	3.9	23.33	4.6	16.92	3.6
Small engine mechanics	15.56	5.2	–	–	15.54	5.4
Motorboat mechanics	15.07	13.3	–	–	15.07	13.3
Motorcycle mechanics	16.65	13.5	–	–	16.65	13.5
Outdoor power equipment and other small engine mechanics ..	15.43	3.5	–	–	15.37	3.7
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	10.58	4.3	–	–	10.58	4.3
Tire repairers and changers	10.53	4.8	–	–	10.53	4.8
Control and valve installers and repairers	20.74	5.3	24.41	4.6	17.39	7.6
Control and valve installers and repairers, except mechanical door	22.16	3.9	24.44	4.6	19.26	5.3
Heating, air conditioning, and refrigeration mechanics and installers	19.73	4.0	23.39	4.8	18.64	5.0
Home appliance repairers	18.54	7.1	26.73	4.9	16.59	6.8
Industrial machinery installation, repair, and maintenance workers	18.81	1.9	22.72	2.5	17.17	1.4
Industrial machinery mechanics	22.11	1.8	24.79	2.4	20.26	1.7
Maintenance and repair workers, general	16.58	2.4	20.24	4.6	15.72	2.4
Maintenance workers, machinery ..	16.98	4.1	19.63	8.3	15.98	2.3
Millwrights	22.33	5.6	26.08	3.7	18.75	6.6
Refractory materials repairers, except brickmasons	19.00	6.2	–	–	–	–
Line installers and repairers	25.42	2.5	28.06	2.0	20.34	4.9
Electrical power-line installers and repairers	26.84	3.6	28.54	4.2	23.39	6.3
Telecommunications line installers and repairers	24.49	3.7	27.74	1.7	18.48	5.8
Precision instrument and equipment repairers	21.17	5.5	–	–	19.82	7.1
Medical equipment repairers	19.72	11.0	–	–	19.72	11.0
Miscellaneous installation, maintenance, and repair workers	14.86	2.5	19.91	4.4	13.69	3.0
Coin, vending, and amusement machine servicers and repairers	14.31	8.6	18.84	9.9	13.64	8.4
Locksmiths and safe repairers	18.24	9.6	–	–	16.74	8.0

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Manufactured building and mobile home installers	\$12.14	8.6%	–	–	\$12.14	8.6%
Riggers	18.06	17.7	–	–	17.38	19.8
Signal and track switch repairers ...	23.44	3.5	\$24.03	3.1%	–	–
Helpers--installation, maintenance, and repair workers	12.29	2.8	16.15	6.9	11.46	3.6
Production occupations	15.11	1.1	19.66	2.1	13.82	1.1
First-line supervisors/managers of production and operating workers	22.99	1.8	23.53	8.9	22.97	1.9
Aircraft structure, surfaces, rigging, and systems assemblers	22.81	4.6	24.73	2.4	20.41	13.6
Electrical, electronics, and electromechanical assemblers	13.22	2.9	15.77	6.4	12.79	3.5
Coil winders, tapers, and finishers	11.39	8.2	13.40	13.2	11.10	8.8
Electrical and electronic equipment assemblers	13.12	3.0	15.87	6.3	12.66	3.5
Electromechanical equipment assemblers	14.03	5.8	16.13	11.4	13.70	7.3
Engine and other machine assemblers	19.03	10.2	21.34	11.6	16.70	11.3
Structural metal fabricators and fitters	15.74	6.6	18.08	9.9	14.94	8.0
Miscellaneous assemblers and fabricators	14.93	3.6	22.50	3.2	11.81	4.2
Fiberglass laminators and fabricators	12.87	5.8	–	–	12.78	6.0
Team assemblers	18.07	9.0	25.41	5.6	13.28	8.2
Bakers	12.14	6.0	13.90	4.9	11.83	7.2
Butchers and other meat, poultry, and fish processing workers	12.04	4.8	12.67	11.4	11.66	3.4
Butchers and meat cutters	15.03	4.7	18.35	3.2	13.52	5.5
Meat, poultry, and fish cutters and trimmers	9.30	7.1	9.24	11.9	9.38	4.8
Slaughterers and meat packers	10.99	4.1	11.75	8.8	10.78	5.1
Miscellaneous food processing workers	12.56	3.7	16.00	3.5	10.99	4.1
Food and tobacco roasting, baking, and drying machine operators and tenders	12.49	9.0	15.29	6.4	11.24	10.8
Food batchmakers	13.40	3.9	16.50	3.7	11.65	4.3
Food cooking machine operators and tenders	10.85	9.0	15.14	9.8	9.64	6.9
Computer control programmers and operators	17.36	4.2	20.21	4.4	16.93	5.0

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Computer-controlled machine tool operators, metal and plastic	\$16.37	3.4%	\$20.08	4.9%	\$15.77	4.1%
Numerical tool and process control programmers	23.69	6.9	–	–	23.86	7.2
Forming machine setters, operators, and tenders, metal and plastic	14.64	4.8	16.84	7.2	13.52	4.0
Extruding and drawing machine setters, operators, and tenders, metal and plastic	13.92	4.3	15.75	5.8	13.01	4.5
Forging machine setters, operators, and tenders, metal and plastic ..	13.36	7.7	–	–	12.49	7.5
Rolling machine setters, operators, and tenders, metal and plastic ..	16.67	8.9	18.13	11.3	15.50	10.4
Machine tool cutting setters, operators, and tenders, metal and plastic	14.35	2.4	19.26	4.3	13.12	2.4
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	14.05	3.3	18.25	6.1	12.74	3.4
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	13.58	9.4	22.01	7.2	12.11	8.8
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	13.69	3.8	20.22	6.9	13.06	3.8
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	16.28	5.4	21.26	5.9	14.72	5.3
Milling and planing machine setters, operators, and tenders, metal and plastic	16.63	9.2	20.24	8.5	15.21	11.5
Machinists	20.13	1.8	23.27	3.5	19.39	2.1
Metal furnace and kiln operators and tenders	17.62	5.3	18.63	2.9	16.50	10.9
Metal-refining furnace operators and tenders	17.89	7.6	18.84	4.1	16.53	17.2
Pourers and casters, metal	17.04	8.0	–	–	–	–
Model makers and patternmakers, metal and plastic	22.21	6.9	25.76	9.4	18.06	5.8
Model makers, metal and plastic ...	23.48	8.0	26.97	8.9	18.35	8.6
Patternmakers, metal and plastic ...	17.98	11.0	–	–	17.47	6.6
Molders and molding machine setters, operators, and tenders, metal and plastic	13.09	3.3	18.23	6.0	11.95	3.5

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Foundry mold and coremakers	\$16.72	8.9%	\$18.01	10.9%	\$13.67	3.6%
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	12.84	3.4	18.30	7.3	11.91	3.6
Multiple machine tool setters, operators, and tenders, metal and plastic	16.41	3.8	20.63	5.2	14.34	4.6
Tool and die makers	23.89	1.8	28.02	2.2	21.76	2.9
Welding, soldering, and brazing workers	16.53	2.4	20.04	3.8	15.38	2.9
Welders, cutters, solderers, and brazers	16.66	2.7	20.50	4.3	15.51	3.1
Welding, soldering, and brazing machine setters, operators, and tenders	15.63	5.6	18.03	9.8	14.20	5.6
Miscellaneous metalworkers and plastic workers	14.90	5.5	16.61	15.3	14.14	4.7
Heat treating equipment setters, operators, and tenders, metal and plastic	16.63	10.2	21.08	8.3	14.61	13.5
Lay-out workers, metal and plastic	17.23	15.2	22.30	26.4	15.20	2.4
Plating and coating machine setters, operators, and tenders, metal and plastic	14.71	7.2	19.16	7.5	13.68	6.7
Tool grinders, filers, and sharpeners	18.02	5.7	23.71	8.1	15.83	7.4
Bookbinders and bindery workers	12.55	3.9	19.36	9.2	11.17	4.9
Bindery workers	12.48	3.9	19.36	9.2	11.06	4.9
Printers	16.13	3.3	20.47	4.3	15.53	3.4
Job printers	16.84	5.5	19.99	5.9	15.48	6.2
Prepress technicians and workers ..	16.31	3.2	19.16	14.6	16.09	3.3
Printing machine operators	15.95	4.7	20.98	4.4	15.32	5.0
Laundry and dry-cleaning workers	9.72	3.6	11.72	4.1	9.44	4.4
Pressers, textile, garment, and related materials	9.21	4.4	9.65	6.0	9.16	4.9
Sewing machine operators	10.47	7.9	—	—	9.37	4.9
Tailors, dressmakers, and sewers	14.27	8.5	—	—	13.86	11.3
Sewers, hand	15.11	21.3	—	—	—	—
Tailors, dressmakers, and custom sewers	14.20	7.9	—	—	13.68	11.0
Textile machine setters, operators, and tenders	11.79	3.3	18.22	18.8	11.64	2.9
Textile bleaching and dyeing machine operators and tenders	12.70	9.6	—	—	12.67	9.7

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Textile cutting machine setters, operators, and tenders	\$11.07	4.8%	–	–	\$11.07	4.9%
Textile knitting and weaving machine setters, operators, and tenders	12.18	6.4	–	–	12.18	6.4
Textile winding, twisting, and drawing out machine setters, operators, and tenders	11.87	4.7	–	–	11.47	3.9
Miscellaneous textile, apparel, and furnishings workers	12.96	7.2	\$16.27	5.0%	12.48	7.8
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	15.65	7.6	–	–	15.02	8.8
Fabric and apparel patternmakers ..	18.73	9.3	–	–	19.57	10.6
Upholsterers	14.85	12.5	–	–	14.72	15.8
Cabinetmakers and bench carpenters	13.21	5.2	–	–	12.85	4.7
Furniture finishers	12.59	8.1	–	–	12.22	8.1
Model makers and patternmakers, wood	18.60	12.6	–	–	18.60	12.6
Woodworking machine setters, operators, and tenders	12.25	3.3	12.50	11.8	12.24	3.4
Sawing machine setters, operators, and tenders, wood	11.66	6.0	–	–	11.63	6.4
Woodworking machine setters, operators, and tenders, except sawing	12.75	3.3	–	–	12.77	3.5
Power plant operators, distributors, and dispatchers	29.34	3.8	30.29	1.9	26.26	11.3
Nuclear power reactor operators ...	31.89	2.7	–	–	–	–
Power distributors and dispatchers	29.55	10.9	–	–	31.57	12.8
Power plant operators	27.76	4.6	29.42	2.1	23.92	13.5
Stationary engineers and boiler operators	24.53	4.3	26.88	5.1	22.00	7.2
Water and liquid waste treatment plant and system operators	20.68	3.0	22.98	3.3	18.27	4.3
Miscellaneous plant and system operators	24.12	4.8	24.58	5.2	23.89	6.8
Chemical plant and system operators	23.33	4.5	21.40	11.2	23.93	5.1
Gas plant operators	27.80	6.1	–	–	28.02	6.2
Petroleum pump system operators, refinery operators, and gaugers	25.22	7.1	28.71	1.6	20.64	20.6
Chemical processing machine setters, operators, and tenders	19.20	6.0	21.28	4.4	18.43	9.0

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Chemical equipment operators and tenders	\$17.76	7.9%	\$23.15	7.1%	\$16.25	8.9%
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders ..	20.38	8.7	20.21	7.3	20.46	13.3
Crushing, grinding, polishing, mixing, and blending workers	15.41	4.0	18.25	4.9	14.31	4.9
Crushing, grinding, and polishing machine setters, operators, and tenders	15.81	9.1	20.97	10.0	12.90	6.0
Grinding and polishing workers, hand	12.62	5.8	15.27	10.2	12.22	7.1
Mixing and blending machine setters, operators, and tenders ..	16.39	4.4	17.92	5.8	15.69	5.6
Cutting workers	13.27	2.8	15.43	4.9	12.77	3.6
Cutters and trimmers, hand	13.39	4.8	14.49	3.3	13.20	6.0
Cutting and slicing machine setters, operators, and tenders ..	13.22	3.5	15.69	6.2	12.61	4.4
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	13.99	7.2	17.76	7.2	12.40	7.0
Furnace, kiln, oven, drier, and kettle operators and tenders	14.92	11.5	19.77	14.1	12.26	5.2
Inspectors, testers, sorters, samplers, and weighers	15.52	2.6	21.53	3.7	13.93	2.6
Medical, dental, and ophthalmic laboratory technicians	15.01	3.6	—	—	14.88	3.8
Dental laboratory technicians	15.41	7.2	—	—	15.49	7.5
Medical appliance technicians	15.74	4.0	—	—	15.17	2.1
Ophthalmic laboratory technicians	13.10	8.2	—	—	13.00	8.8
Packaging and filling machine operators and tenders	14.46	5.9	17.50	8.7	12.67	3.8
Painting workers	14.78	4.1	20.32	5.3	13.86	4.9
Coating, painting, and spraying machine setters, operators, and tenders	14.04	3.5	19.93	6.5	12.82	4.1
Painters, transportation equipment	18.72	10.4	22.59	10.6	18.15	11.2
Painting, coating, and decorating workers	11.61	9.3	—	—	11.29	9.6
Photographic process workers and processing machine operators	11.28	8.1	—	—	10.83	6.9
Photographic process workers	13.01	16.3	—	—	11.86	13.0
Photographic processing machine operators	10.27	7.0	—	—	10.27	7.0
Semiconductor processors	16.27	5.3	—	—	16.27	5.3

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Miscellaneous production workers	\$12.80	2.7%	\$18.09	4.8%	\$11.32	2.4%
Cementing and gluing machine operators and tenders	12.61	5.7	17.98	8.4	11.48	5.9
Cleaning, washing, and metal pickling equipment operators and tenders	16.39	22.4	—	—	—	—
Etchers and engravers	17.38	13.5	—	—	15.58	10.8
Molders, shapers, and casters, except metal and plastic	12.04	7.1	14.91	7.2	11.74	7.4
Paper goods machine setters, operators, and tenders	16.25	9.2	21.19	7.5	12.70	9.3
Tire builders	16.13	8.9	—	—	16.22	9.2
Helpers--production workers	11.12	1.8	15.21	3.2	9.84	1.2
Transportation and material moving occupations	14.42	1.2	20.51	2.2	12.55	1.1
First-line supervisors/managers of helpers, laborers, and material movers, hand	19.23	3.2	20.89	9.4	19.08	3.7
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	22.87	3.0	30.77	8.1	22.07	2.7
Aircraft pilots and flight engineers	92.34	13.2	121.84	4.9	40.69	17.0
Airline pilots, copilots, and flight engineers	109.73	9.1	123.88	4.6	54.08	10.5
Commercial pilots	30.31	9.3	—	—	30.36	10.4
Ambulance drivers and attendants, except emergency medical technicians	11.38	9.0	—	—	11.38	9.0
Bus drivers	15.55	3.3	17.91	1.8	12.93	2.6
Bus drivers, transit and intercity	16.80	8.0	19.09	3.9	11.47	2.8
Bus drivers, school	14.45	1.5	15.96	4.5	13.55	2.6
Driver/sales workers and truck drivers	15.75	1.5	21.58	1.9	14.36	1.6
Driver/sales workers	13.44	6.1	20.12	6.7	12.46	6.7
Truck drivers, heavy and tractor-trailer	17.01	1.8	21.54	2.5	15.84	1.9
Truck drivers, light or delivery services	14.05	2.7	21.95	2.1	12.26	2.8
Taxi drivers and chauffeurs	10.17	7.1	15.92	12.5	9.59	5.8
Locomotive engineers and operators	27.38	22.1	29.14	24.2	—	—
Locomotive engineers	27.84	22.8	29.23	24.9	—	—
Railroad brake, signal, and switch operators	24.99	10.1	27.64	5.1	—	—

See footnotes at end of table.

Table 13 Union and nonunion workers: Mean hourly earnings¹ for civilian workers by bargaining status — Continued

Occupation ² and level	Civilian workers		Union Workers		Nonunion workers	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Subway and streetcar operators	\$25.00	3.7%	\$25.23	3.5%	–	–
Sailors and marine oilers	12.76	5.3	16.63	9.1	\$11.69	5.9%
Ship and boat captains and operators Captains, mates, and pilots of water vessels	18.65	13.2	–	–	18.19	13.5
Ship engineers	19.87	15.3	–	–	19.40	15.6
Bridge and lock tenders	30.04	16.6	–	–	–	–
Parking lot attendants	14.92	2.7	–	–	–	–
Service station attendants	8.31	6.2	9.04	19.7	8.26	6.5
Transportation inspectors	10.21	7.0	13.42	14.0	9.91	7.8
Conveyor operators and tenders	23.02	7.1	21.06	7.1	25.41	19.6
Crane and tower operators	14.05	10.2	–	–	12.34	8.6
Dredge, excavating, and loading machine operators	18.79	6.9	23.27	6.3	15.84	7.5
Excavating and loading machine and dragline operators	15.91	3.4	21.05	6.3	14.84	3.9
Hoist and winch operators	15.77	3.5	21.02	7.2	14.79	3.9
Industrial truck and tractor operators	17.23	12.8	–	–	13.04	19.2
Laborers and material movers, hand Cleaners of vehicles and equipment	14.17	2.0	17.95	2.9	12.66	1.8
Laborers and freight, stock, and material movers, hand	10.68	1.1	14.00	3.0	9.82	1.0
Machine feeders and offbearers	9.88	3.1	15.33	5.1	9.02	2.3
Packers and packagers, hand	11.26	1.3	14.61	3.3	10.26	1.5
Pumping station operators	11.28	2.7	14.32	5.5	10.27	2.7
Refuse and recyclable material collectors	9.40	1.7	11.13	4.6	9.05	1.6
Tank car, truck, and ship loaders	21.03	5.5	–	–	–	–
	12.97	7.2	18.86	9.3	10.51	5.2
	21.74	9.7	–	–	–	–

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighed by hours.

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.

³ The relative standard error (RSE) is the standard error expressed as a percent of

the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see appendix A.

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.