

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
All workers	\$22.37	2.2%	\$888	2.2%	\$45,962	2.2%
Management occupations	46.97	2.6	1,901	2.5	98,808	2.5
Chief executives	179.75	47.3	8,073	47.4	419,822	47.4
General and operations managers	55.57	4.6	2,313	4.6	120,280	4.6
Advertising and promotions managers	33.02	9.8	1,361	10.6	70,776	10.6
Marketing and sales managers	48.84	3.2	1,989	3.2	103,439	3.2
Marketing managers	52.00	3.4	2,094	3.4	108,867	3.4
Sales managers	44.19	5.2	1,831	5.3	95,218	5.3
Public relations managers	45.07	33.1	1,779	32.6	92,522	32.6
Administrative services managers	35.23	5.2	1,411	5.6	73,382	5.6
Computer and information systems managers	55.12	2.4	2,232	2.4	116,033	2.4
Financial managers	48.90	2.9	1,968	3.0	102,359	3.0
Human resources managers	35.16	11.5	1,413	11.7	73,450	11.7
Compensation and benefits managers	45.27	7.1	1,841	6.3	95,744	6.3
Industrial production managers	42.67	3.6	1,748	3.4	90,909	3.4
Purchasing managers	44.33	5.0	1,781	5.2	92,633	5.2
Transportation, storage, and distribution managers	39.92	5.2	1,626	5.9	84,556	5.9
Construction managers	36.81	5.6	1,500	5.8	78,016	5.8
Education administrators	35.73	3.6	1,379	3.4	70,901	3.4
Education administrators, preschool and child care center/program	21.33	7.8	823	9.0	41,389	9.0
Education administrators, elementary and secondary school	38.05	3.9	1,531	4.1	77,895	4.1
Education administrators, postsecondary ..	37.61	4.2	1,438	4.0	74,364	4.0
Engineering managers	57.32	1.9	2,324	1.9	120,864	1.9
Food service managers	26.49	8.6	1,110	8.4	57,741	8.4
Lodging managers	27.70	32.0	1,200	29.3	62,386	29.3
Medical and health services managers	40.35	3.4	1,621	3.4	84,280	3.4
Natural sciences managers	40.69	25.5	1,541	25.0	80,119	25.0
Property, real estate, and community association managers	26.73	6.6	1,068	6.7	55,544	6.7
Social and community service managers	27.09	7.1	1,049	7.0	54,441	7.0
Business and financial operations occupations	31.08	1.5	1,243	1.5	64,640	1.5
Buyers and purchasing agents	28.60	2.3	1,159	2.5	60,288	2.5
Wholesale and retail buyers, except farm products	28.25	4.8	1,135	4.8	59,011	4.8
Purchasing agents, except wholesale, retail, and farm products	28.83	3.2	1,174	3.6	61,037	3.6

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Business and financial operations occupations –Continued						
Claims adjusters, appraisers, examiners, and investigators	\$24.81	3.1%	\$966	3.1%	\$50,207	3.1%
Claims adjusters, examiners, and investigators	24.84	3.4	966	3.4	50,244	3.4
Insurance appraisers, auto damage	24.34	10.4	953	12.0	49,547	12.0
Compliance officers, except agriculture, construction, health and safety, and transportation	29.19	12.7	1,228	10.4	63,843	10.4
Cost estimators	34.30	4.3	1,389	4.4	72,220	4.4
Human resources, training, and labor relations specialists	28.61	3.2	1,136	3.3	59,058	3.3
Employment, recruitment, and placement specialists	28.00	5.4	1,115	5.5	57,941	5.5
Compensation, benefits, and job analysis specialists	27.16	4.2	1,077	4.1	56,017	4.1
Training and development specialists	27.83	4.1	1,108	4.1	57,634	4.1
Logisticians	31.77	8.0	1,270	8.1	66,014	8.1
Management analysts	36.91	3.2	1,474	3.2	76,656	3.2
Meeting and convention planners	25.31	2.2	996	1.9	51,781	1.9
Accountants and auditors	28.11	3.0	1,119	3.0	58,178	3.0
Budget analysts	36.06	7.3	1,502	8.5	78,129	8.5
Credit analysts	26.38	5.4	1,045	5.3	54,346	5.3
Financial analysts and advisors	35.23	4.2	1,410	4.3	73,316	4.3
Financial analysts	36.74	5.0	1,484	5.2	77,165	5.2
Personal financial advisors	31.75	11.1	1,262	11.2	65,599	11.2
Insurance underwriters	32.00	8.4	1,248	8.8	64,872	8.8
Financial examiners	29.44	6.5	1,182	6.8	61,453	6.8
Loan counselors and officers	28.85	4.8	1,156	5.0	60,094	5.0
Loan counselors	24.98	36.7	994	36.7	51,679	36.7
Loan officers	29.14	4.7	1,168	5.0	60,728	5.0
Computer and mathematical science occupations						
Computer and information scientists, research	45.78	7.6	1,831	7.6	95,232	7.6
Computer programmers	34.51	4.1	1,377	4.1	71,602	4.1
Computer software engineers	42.81	1.6	1,735	1.5	90,198	1.5
Computer software engineers, applications software	41.89	3.3	1,707	3.2	88,767	3.2
Computer software engineers, systems software	43.54	2.0	1,756	2.1	91,327	2.1
Computer support specialists	26.00	4.8	1,037	4.9	53,922	4.9

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Computer and mathematical science occupations –Continued						
Computer systems analysts	\$37.81	1.4%	\$1,511	1.4%	\$78,565	1.4%
Database administrators	34.93	6.3	1,391	6.8	72,340	6.8
Network and computer systems administrators	33.83	3.6	1,355	3.6	70,457	3.6
Network systems and data communications analysts	35.32	7.2	1,410	7.1	73,315	7.1
Actuaries	39.29	4.8	1,545	4.4	80,319	4.4
Operations research analysts	34.12	5.3	1,336	5.4	69,448	5.4
Statisticians	40.00	13.2	1,570	13.4	81,618	13.4
Architecture and engineering occupations						
Architects, except naval	35.48	2.3	1,430	2.3	74,326	2.3
Architects, except landscape and naval	35.07	5.7	1,428	6.4	74,254	6.4
Engineers	35.07	5.7	1,428	6.4	74,254	6.4
Aerospace engineers	40.01	1.2	1,618	1.1	84,119	1.1
Chemical engineers	48.11	3.9	1,927	3.9	100,204	3.9
Civil engineers	40.96	8.3	1,644	8.3	85,469	8.3
Computer hardware engineers	36.76	5.2	1,499	5.0	77,956	5.0
Electrical and electronics engineers	41.40	4.4	1,697	4.5	88,224	4.5
Electrical engineers	40.82	2.4	1,649	2.2	85,770	2.2
Electronics engineers, except computer	41.30	3.6	1,678	3.0	87,236	3.0
Environmental engineers	40.37	2.7	1,623	2.8	84,405	2.8
Industrial engineers, including health and safety	43.15	5.0	1,729	4.9	89,902	4.9
Health and safety engineers, except mining safety engineers and inspectors	36.06	2.6	1,467	2.5	76,290	2.5
Industrial engineers	40.32	11.5	1,628	11.8	84,659	11.8
Materials engineers	35.23	2.1	1,435	1.9	74,644	1.9
Mechanical engineers	33.52	5.9	1,377	4.4	71,588	4.4
Nuclear engineers	35.39	1.9	1,445	2.4	75,125	2.4
Petroleum engineers	41.02	5.2	1,641	5.2	85,322	5.2
Drafters	49.02	20.1	1,961	20.1	101,969	20.1
Architectural and civil drafters	25.29	4.4	1,010	4.5	52,500	4.5
Electrical and electronics drafters	27.50	9.4	1,100	9.4	57,201	9.4
Mechanical drafters	24.24	3.9	970	3.9	50,417	3.9
Engineering technicians, except drafters	24.53	6.3	981	6.3	51,030	6.3
Aerospace engineering and operations technicians	24.41	4.3	976	4.3	50,606	4.3
Civil engineering technicians	28.25	2.2	1,135	2.4	59,031	2.4
	23.11	10.1	924	10.1	48,059	10.1

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Architecture and engineering occupations						
–Continued						
Electrical and electronic engineering technicians	\$22.85	7.2%	\$914	7.2%	\$47,514	7.2%
Electro-mechanical technicians	25.93	5.3	1,037	5.3	53,944	5.3
Industrial engineering technicians	24.31	4.9	975	5.2	50,718	5.2
Mechanical engineering technicians	21.81	5.3	875	5.4	45,387	5.4
Surveying and mapping technicians	30.06	15.8	1,202	15.8	62,520	15.8
Life, physical, and social science occupations	32.05	3.8	1,276	3.9	66,148	3.9
Life scientists	34.70	8.4	1,355	8.4	70,388	8.4
Agricultural and food scientists	38.57	17.3	1,515	17.3	78,784	17.3
Food scientists and technologists	36.53	14.1	1,429	14.0	74,301	14.0
Biological scientists	35.01	6.4	1,366	6.8	70,910	6.8
Biochemists and biophysicists	37.36	7.8	1,444	8.7	75,065	8.7
Microbiologists	29.19	11.4	1,180	11.1	61,369	11.1
Medical scientists	33.93	14.2	1,333	13.7	69,318	13.7
Physical scientists	39.25	4.9	1,583	4.3	81,919	4.3
Astronomers and physicists	47.92	8.7	1,903	9.0	98,938	9.0
Physicists	47.92	8.7	1,903	9.0	98,938	9.0
Chemists and materials scientists	38.21	8.5	1,542	8.8	80,166	8.8
Chemists	37.54	10.6	1,520	11.1	79,031	11.1
Materials scientists	39.96	9.9	1,598	9.9	83,113	9.9
Environmental scientists and geoscientists	38.77	9.4	1,613	8.5	83,866	8.5
Environmental scientists and specialists, including health	37.39	8.7	1,566	7.4	81,456	7.4
Geoscientists, except hydrologists and geographers	53.62	24.4	2,145	24.4	111,524	24.4
Economists	33.03	31.6	1,450	26.4	75,386	26.4
Market and survey researchers	37.21	8.5	1,537	8.8	79,909	8.8
Market research analysts	37.22	8.5	1,537	8.8	79,937	8.8
Psychologists	27.87	24.4	1,074	22.6	54,074	22.6
Clinical, counseling, and school psychologists	29.48	24.2	1,130	22.4	56,678	22.4
Miscellaneous social scientists and related workers	38.73	8.8	1,490	9.7	77,499	9.7
Agricultural and food science technicians	21.82	7.2	867	6.9	45,075	6.9
Biological technicians	20.41	5.3	806	5.3	41,935	5.3
Chemical technicians	22.10	4.6	880	4.9	45,687	4.9
Nuclear technicians	34.83	6.7	1,393	6.7	72,448	6.7
Miscellaneous life, physical, and social science technicians	22.90	9.7	914	9.7	47,396	9.7

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Life, physical, and social science occupations –Continued						
Environmental science and protection technicians, including health	\$27.25	9.5%	\$1,090	9.5%	\$56,686	9.5%
Community and social services occupations	18.21	2.6	711	2.6	36,815	2.6
Counselors	17.94	3.6	701	3.1	36,275	3.1
Substance abuse and behavioral disorder counselors	16.54	7.6	652	8.1	33,898	8.1
Educational, vocational, and school counselors	18.77	6.4	727	5.8	37,466	5.8
Mental health counselors	19.50	7.6	768	7.9	39,926	7.9
Rehabilitation counselors	15.84	6.6	621	7.4	32,306	7.4
Social workers	20.37	2.3	794	2.2	41,122	2.2
Child, family, and school social workers ..	18.04	5.1	690	3.4	35,383	3.4
Medical and public health social workers	24.87	3.8	968	3.7	50,318	3.7
Mental health and substance abuse social workers	17.57	4.5	701	4.4	36,426	4.4
Miscellaneous community and social service specialists	14.29	5.3	562	5.7	29,038	5.7
Social and human service assistants	12.32	4.3	484	4.1	24,973	4.1
Clergy	20.15	8.9	766	11.2	39,851	11.2
Legal occupations	59.01	4.7	2,365	4.8	122,803	4.8
Lawyers	74.21	4.5	3,030	4.3	157,551	4.3
Paralegals and legal assistants	28.79	4.3	1,103	4.4	57,346	4.4
Miscellaneous legal support workers	23.95	8.1	953	8.2	48,576	8.2
Title examiners, abstractors, and searchers	25.56	8.3	1,023	8.3	53,170	8.3
Education, training, and library occupations	35.95	6.1	1,386	6.1	60,735	6.1
Postsecondary teachers	48.81	3.6	1,904	3.7	79,250	3.7
Business teachers, postsecondary	58.72	7.9	2,241	7.2	86,955	7.2
Math and computer teachers, postsecondary	43.37	8.8	1,673	8.2	64,816	8.2
Computer science teachers, postsecondary	39.96	15.0	1,459	17.0	63,250	17.0
Mathematical science teachers, postsecondary	44.39	11.6	1,741	10.8	65,247	10.8
Engineering and architecture teachers, postsecondary	73.87	9.0	2,886	8.5	109,102	8.5
Engineering teachers, postsecondary	73.73	9.4	2,878	8.8	109,356	8.8
Life sciences teachers, postsecondary	53.91	12.7	2,263	12.9	103,444	12.9

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Education, training, and library occupations –Continued						
Biological science teachers, postsecondary	\$53.91	12.7%	\$2,263	12.9%	\$103,444	12.9%
Physical sciences teachers, postsecondary	56.26	8.6	2,141	8.3	87,073	8.3
Chemistry teachers, postsecondary	55.58	7.2	2,069	7.0	77,574	7.0
Physics teachers, postsecondary	62.60	15.8	2,430	13.7	107,096	13.7
Social sciences teachers, postsecondary	46.57	5.9	1,770	5.6	70,522	5.6
Economics teachers, postsecondary	59.91	11.4	2,168	8.5	77,639	8.5
Political science teachers, postsecondary	41.74	4.3	1,645	4.1	78,067	4.1
Psychology teachers, postsecondary	46.47	7.7	1,790	7.6	71,052	7.6
Sociology teachers, postsecondary	49.78	20.4	1,877	18.1	71,626	18.1
Health teachers, postsecondary	63.61	8.5	2,519	8.6	110,756	8.6
Health specialties teachers, postsecondary	76.09	8.1	3,021	8.7	128,990	8.7
Nursing instructors and teachers, postsecondary	33.20	2.1	1,307	1.8	61,887	1.8
Education and library science teachers, postsecondary	41.03	8.2	1,594	7.4	59,727	7.4
Education teachers, postsecondary	41.03	8.2	1,594	7.4	59,727	7.4
Law, criminal justice, and social work teachers, postsecondary	60.83	18.2	2,342	17.9	97,435	17.9
Law teachers, postsecondary	81.51	11.3	3,211	6.6	125,731	6.6
Arts, communications, and humanities teachers, postsecondary	41.47	4.0	1,599	3.5	62,713	3.5
Art, drama, and music teachers, postsecondary	39.20	4.7	1,524	5.0	59,440	5.0
Communications teachers, postsecondary	41.23	27.7	1,597	26.5	60,756	26.5
English language and literature teachers, postsecondary	43.41	5.8	1,660	5.0	66,722	5.0
Foreign language and literature teachers, postsecondary	49.04	8.3	1,801	9.1	68,370	9.1
History teachers, postsecondary	39.90	10.3	1,586	8.6	61,059	8.6
Philosophy and religion teachers, postsecondary	40.27	8.4	1,555	6.9	62,121	6.9
Miscellaneous postsecondary teachers	39.77	8.1	1,541	7.8	69,295	7.8
Recreation and fitness studies teachers, postsecondary	30.00	3.6	1,190	3.2	49,425	3.2
Vocational education teachers, postsecondary	22.32	9.9	848	7.6	43,514	7.6

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Education, training, and library occupations –Continued						
Primary, secondary, and special education						
school teachers	\$25.51	9.7%	\$978	8.8%	\$40,175	8.8%
Preschool and kindergarten teachers	13.95	7.8	533	7.8	25,473	7.8
Preschool teachers, except special						
education	13.88	8.0	530	8.1	25,310	8.1
Elementary and middle school teachers	27.74	5.0	1,079	4.6	41,605	4.6
Elementary school teachers, except						
special education	25.55	6.3	993	5.7	38,817	5.7
Middle school teachers, except special						
and vocational education	31.03	4.0	1,208	4.0	45,657	4.0
Secondary school teachers	33.66	10.8	1,295	9.0	49,268	9.0
Secondary school teachers, except						
special and vocational education	34.48	10.7	1,325	8.7	49,808	8.7
Special education teachers	25.98	13.3	961	12.0	40,585	12.0
Special education teachers, preschool,						
kindergarten, and elementary school	23.41	5.4	891	5.1	38,225	5.1
Special education teachers, secondary						
school	33.76	34.8	1,138	33.3	45,959	33.3
Other teachers and instructors	33.48	14.3	1,287	14.4	62,852	14.4
Librarians	32.70	12.4	1,216	13.0	62,155	13.0
Library technicians	18.87	10.8	733	11.4	37,839	11.4
Instructional coordinators	25.63	12.1	997	11.0	51,543	11.0
Teacher assistants	10.91	5.0	423	5.8	20,543	5.8
Arts, design, entertainment, sports, and						
media occupations	29.39	3.4	1,159	3.4	59,336	3.4
Artists and related workers	28.80	12.8	1,169	12.9	60,606	12.9
Art directors	34.07	9.0	1,384	9.0	71,959	9.0
Multi-media artists and animators	29.49	17.1	1,231	14.8	64,000	14.8
Designers	25.94	4.6	1,029	4.6	53,511	4.6
Commercial and industrial designers	36.05	3.9	1,442	3.9	74,985	3.9
Graphic designers	22.77	4.7	899	4.7	46,744	4.7
Interior designers	24.31	5.6	980	5.5	50,944	5.5
Merchandise displayers and window						
trimmers	14.08	13.5	555	12.7	28,861	12.7
Actors, producers, and directors	36.74	9.4	1,485	10.2	77,077	10.2
Producers and directors	37.17	9.4	1,503	10.2	78,002	10.2
Athletes, coaches, umpires, and related						
workers	21.80	7.0	844	8.2	40,434	8.2
Coaches and scouts	21.75	6.9	831	7.6	39,332	7.6
Musicians, singers, and related workers	40.33	14.8	1,536	12.6	63,288	12.6

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Arts, design, entertainment, sports, and media occupations –Continued						
Musicians and singers	\$39.91	15.1%	\$1,540	13.4%	\$64,201	13.4%
Announcers	60.89	20.7	2,432	20.7	126,448	20.7
Radio and television announcers	60.89	20.7	2,432	20.7	126,448	20.7
News analysts, reporters and correspondents	43.91	16.4	1,689	16.4	87,585	16.4
Reporters and correspondents	35.62	6.8	1,365	6.4	70,791	6.4
Public relations specialists	28.15	5.8	1,111	5.4	57,742	5.4
Writers and editors	28.47	4.4	1,116	3.8	57,701	3.8
Editors	27.95	5.8	1,080	5.0	56,138	5.0
Technical writers	31.21	4.4	1,256	4.7	65,331	4.7
Writers and authors	21.97	11.5	867	10.6	42,296	10.6
Miscellaneous media and communication workers	21.89	5.9	877	5.9	45,599	5.9
Broadcast and sound engineering technicians and radio operators	26.03	14.2	1,010	15.8	52,541	15.8
Audio and video equipment technicians	24.94	23.6	999	25.0	51,926	25.0
Broadcast technicians	26.02	11.0	976	15.0	50,758	15.0
Photographers	18.58	15.0	736	14.6	30,729	14.6
Television, video, and motion picture camera operators and editors	24.75	15.8	990	15.8	51,480	15.8
Camera operators, television, video, and motion picture	25.83	23.2	1,033	23.2	53,723	23.2
Healthcare practitioner and technical occupations						
Dietitians and nutritionists	30.00	5.9	1,173	6.0	60,974	6.0
Pharmacists	25.11	6.3	1,004	6.9	52,226	6.9
Physicians and surgeons	49.08	.5	1,945	.5	101,147	.5
Family and general practitioners	86.03	26.9	3,382	27.2	175,882	27.2
Family and general practitioners	139.91	30.9	5,514	32.0	286,751	32.0
Internists, general	39.88	15.8	1,551	14.8	80,633	14.8
Pediatricians, general	67.70	7.8	2,752	8.2	143,079	8.2
Physician assistants	39.20	3.0	1,533	3.6	79,739	3.6
Registered nurses	30.97	.9	1,198	.9	62,270	.9
Therapists	27.62	2.8	1,086	2.6	56,172	2.6
Occupational therapists	27.85	4.5	1,105	4.5	57,468	4.5
Physical therapists	32.68	3.1	1,285	2.7	66,314	2.7
Radiation therapists	33.78	8.5	1,330	7.6	69,139	7.6
Recreational therapists	17.90	7.8	707	7.8	36,784	7.8
Respiratory therapists	23.68	2.2	932	2.3	48,484	2.3
Speech-language pathologists	31.98	2.4	1,227	3.0	60,344	3.0
Clinical laboratory technologists and technicians	19.89	2.3	790	2.2	41,068	2.2

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Healthcare practitioner and technical occupations –Continued						
Medical and clinical laboratory technologists	\$24.56	3.2%	\$977	3.1%	\$50,779	3.1%
Medical and clinical laboratory technicians	16.72	2.2	664	2.1	34,504	2.1
Diagnostic related technologists and technicians	26.21	2.9	1,036	2.9	53,877	2.9
Cardiovascular technologists and technicians	25.73	11.1	1,027	11.2	53,399	11.2
Diagnostic medical sonographers	31.86	5.3	1,246	6.0	64,813	6.0
Nuclear medicine technologists	32.82	5.6	1,313	5.6	68,274	5.6
Radiologic technologists and technicians ..	25.15	2.9	992	3.0	51,608	3.0
Emergency medical technicians and paramedics	16.16	9.9	652	8.9	33,882	8.9
Health diagnosing and treating practitioner support technicians	17.15	2.9	679	2.9	35,281	2.9
Pharmacy technicians	15.07	2.0	599	2.0	31,147	2.0
Psychiatric technicians	13.25	6.4	520	6.1	27,032	6.1
Respiratory therapy technicians	22.46	3.5	886	3.8	46,089	3.8
Surgical technologists	18.61	3.4	736	3.4	38,271	3.4
Licensed practical and licensed vocational nurses	19.13	1.2	744	1.1	38,687	1.1
Medical records and health information technicians	16.15	7.4	638	7.3	33,170	7.3
Opticians, dispensing	17.44	16.9	687	17.7	35,734	17.7
Miscellaneous health technologists and technicians	19.02	7.3	758	7.3	39,430	7.3
Occupational health and safety specialists and technicians	26.26	6.1	1,063	5.9	55,270	5.9
Occupational health and safety specialists	25.13	9.7	1,028	9.7	53,456	9.7
Miscellaneous healthcare practitioner and technical workers	23.89	6.9	942	5.8	48,782	5.8
Healthcare support occupations	12.09	1.2	468	1.6	24,313	1.6
Nursing, psychiatric, and home health aides	11.35	1.3	435	2.0	22,616	2.0
Home health aides	10.16	3.8	365	5.3	18,980	5.3
Nursing aides, orderlies, and attendants	11.59	1.4	450	1.5	23,388	1.5
Psychiatric aides	11.20	4.5	439	4.1	22,852	4.1
Occupational therapist assistants and aides ...	14.43	11.9	576	11.8	29,972	11.8
Occupational therapist assistants	15.00	19.7	598	19.7	31,118	19.7
Occupational therapist aides	13.83	7.5	553	7.5	28,766	7.5
Physical therapist assistants and aides	15.42	6.8	614	6.8	31,915	6.8

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Healthcare support occupations –Continued						
Physical therapist assistants	\$19.29	3.9%	\$765	4.0%	\$39,797	4.0%
Physical therapist aides	13.33	12.6	532	12.6	27,644	12.6
Miscellaneous healthcare support occupations	14.01	1.8	557	1.8	28,944	1.8
Medical assistants	14.27	3.1	567	3.1	29,489	3.1
Medical equipment preparers	14.12	4.6	564	4.6	29,339	4.6
Medical transcriptionists	15.47	3.6	615	3.6	31,969	3.6
Pharmacy aides	16.17	8.3	647	8.3	33,624	8.3
Veterinary assistants and laboratory animal caretakers	14.34	10.5	567	10.2	29,495	10.2
Protective service occupations	11.99	3.1	475	3.1	24,614	3.1
Fire fighters	21.24	13.9	1,061	12.3	55,174	12.3
Police officers	19.23	5.7	767	5.9	39,871	5.9
Police and sheriff's patrol officers	19.23	5.7	767	5.9	39,871	5.9
Security guards and gaming surveillance officers	11.15	2.6	441	2.6	22,906	2.6
Security guards	11.12	2.7	440	2.7	22,852	2.7
Miscellaneous protective service workers	14.18	15.3	504	19.3	20,956	19.3
Lifeguards, ski patrol, and other recreational protective service workers	10.04	7.7	378	7.0	12,878	7.0
Food preparation and serving related occupations	9.95	4.2	389	3.9	20,141	3.9
First-line supervisors/managers, food preparation and serving workers	16.56	2.6	677	2.6	34,810	2.6
Chefs and head cooks	18.48	6.5	760	6.6	38,495	6.6
First-line supervisors/managers of food preparation and serving workers	16.27	2.9	665	2.9	34,255	2.9
Cooks	12.02	1.6	471	1.6	24,460	1.6
Cooks, fast food	10.21	14.2	380	16.7	19,760	16.7
Cooks, institution and cafeteria	12.47	2.3	490	2.5	25,468	2.5
Cooks, restaurant	11.81	2.0	463	2.0	24,036	2.0
Cooks, short order	10.86	4.3	418	4.8	21,741	4.8
Food preparation workers	10.81	2.8	428	2.7	22,139	2.7
Food service, tipped	6.15	4.2	237	3.8	12,308	3.8
Bartenders	7.49	4.6	288	5.4	14,870	5.4
Waiters and waitresses	5.40	5.0	208	6.3	10,790	6.3
Dining room and cafeteria attendants and bartender helpers	7.66	4.5	299	4.6	15,475	4.6
Fast food and counter workers	10.29	2.6	394	3.0	20,305	3.0

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Food preparation and serving related occupations –Continued						
Combined food preparation and serving workers, including fast food	\$10.21	3.2%	\$390	3.5%	\$20,048	3.5%
Counter attendants, cafeteria, food concession, and coffee shop	10.62	5.7	414	5.9	21,364	5.9
Food servers, nonrestaurant	9.40	3.6	365	3.4	18,958	3.4
Dishwashers	9.28	2.6	366	2.6	19,044	2.6
Hosts and hostesses, restaurant, lounge, and coffee shop	9.59	10.9	373	11.9	19,421	11.9
Building and grounds cleaning and maintenance occupations						
First-line supervisors/managers, building and grounds cleaning and maintenance workers	11.69	4.5	462	4.4	23,915	4.4
First-line supervisors/managers of housekeeping and janitorial workers ...	18.45	6.6	741	6.5	38,535	6.5
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	17.60	4.8	706	4.3	36,706	4.3
Building cleaning workers	29.48	29.4	1,213	28.9	63,075	28.9
Janitors and cleaners, except maids and housekeeping cleaners	11.12	5.9	439	5.8	22,760	5.8
Maids and housekeeping cleaners	11.68	4.9	462	4.9	24,025	4.9
Grounds maintenance workers	9.70	4.8	379	4.4	19,632	4.4
Landscaping and groundskeeping workers	10.85	3.7	427	3.6	21,657	3.6
Landscaping and groundskeeping workers	10.68	3.4	420	3.3	21,300	3.3
Personal care and service occupations						
First-line supervisors/managers of gaming workers	11.23	14.9	417	10.9	21,438	10.9
Gaming supervisors	14.44	3.4	584	3.3	30,365	3.3
Slot key persons	16.52	7.2	674	7.9	35,040	7.9
First-line supervisors/managers of personal service workers	11.41	2.2	456	2.2	23,710	2.2
Nonfarm animal caretakers	16.55	4.4	674	4.9	34,406	4.9
Gaming services workers	11.88	6.3	464	5.6	24,109	5.6
Gaming dealers	6.51	5.2	259	4.3	13,458	4.3
Ushers, lobby attendants, and ticket takers ...	6.40	2.9	254	2.0	13,227	2.0
Miscellaneous entertainment attendants and related workers	11.43	15.3	457	15.3	23,316	15.3
Amusement and recreation attendants	10.02	6.4	393	6.5	18,013	6.5
	9.61	8.7	377	9.2	16,495	9.2

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Personal care and service occupations						
–Continued						
Locker room, coatroom, and dressing room attendants	\$10.89	14.2%	\$427	13.2%	\$22,218	13.2%
Baggage porters, bellhops, and concierges	8.94	5.8	348	6.5	18,076	6.5
Baggage porters and bellhops	7.75	6.0	302	7.2	15,678	7.2
Concierges	12.35	12.4	481	12.3	25,015	12.3
Tour and travel guides	11.69	12.1	464	11.7	20,765	11.7
Tour guides and escorts	11.49	13.3	455	12.9	20,061	12.9
Transportation attendants	34.00	3.9	704	1.8	36,533	1.8
Flight attendants	37.04	1.9	717	1.7	37,308	1.7
Transportation attendants, except flight attendants and baggage porters	12.74	12.8	508	12.9	25,675	12.9
Child care workers	10.59	3.9	417	4.0	21,451	4.0
Personal and home care aides	9.50	2.1	367	1.7	19,110	1.7
Recreation and fitness workers	12.05	6.0	477	5.9	19,681	5.9
Recreation workers	12.12	6.3	481	6.0	19,472	6.0
Residential advisors	11.01	6.1	440	6.0	22,437	6.0
Sales and related occupations	20.73	3.5	826	3.6	42,901	3.6
First-line supervisors/managers, sales workers	23.50	5.1	954	5.5	49,565	5.5
First-line supervisors/managers of retail sales workers	19.86	4.6	806	5.0	41,919	5.0
First-line supervisors/managers of non-retail sales workers	30.59	7.9	1,244	8.3	64,447	8.3
Retail sales workers	12.84	2.1	509	2.1	26,429	2.1
Cashiers, all workers	11.30	2.1	448	2.2	23,240	2.2
Cashiers	11.10	1.3	439	1.3	22,787	1.3
Gaming change persons and booth cashiers	12.32	7.5	493	7.6	25,620	7.6
Counter and rental clerks and parts salespersons	15.95	6.6	646	6.7	33,598	6.7
Counter and rental clerks	13.74	11.8	545	11.5	28,325	11.5
Parts salespersons	18.04	4.3	746	4.7	38,768	4.7
Retail salespersons	13.60	3.0	538	3.1	27,961	3.1
Advertising sales agents	24.36	8.2	969	8.2	50,401	8.2
Insurance sales agents	23.08	8.6	933	8.8	48,509	8.8
Securities, commodities, and financial services sales agents	68.38	9.8	2,729	10.0	141,925	10.0
Travel agents	12.99	10.3	520	10.3	27,019	10.3
Sales representatives, wholesale and manufacturing	33.98	3.2	1,383	3.3	71,903	3.3

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Sales and related occupations –Continued						
Sales representatives, wholesale and manufacturing, technical and scientific products	\$40.07	5.1%	\$1,610	5.1%	\$83,730	5.1%
Sales representatives, wholesale and manufacturing, except technical and scientific products	31.42	4.7	1,286	4.7	66,850	4.7
Models, demonstrators, and product promoters	16.69	10.0	667	10.0	34,690	10.0
Demonstrators and product promoters	16.69	10.0	667	10.0	34,690	10.0
Real estate brokers and sales agents	51.31	25.8	1,995	25.0	103,741	25.0
Real estate sales agents	59.43	28.7	2,323	27.4	120,779	27.4
Sales engineers	35.61	7.6	1,496	7.9	77,800	7.9
Telemarketers	12.19	6.5	468	7.4	24,317	7.4
Miscellaneous sales and related workers	18.74	8.1	742	8.4	37,960	8.4
Office and administrative support occupations						
First-line supervisors/managers of office and administrative support workers	24.39	1.7	973	1.7	50,553	1.7
Switchboard operators, including answering service	12.23	5.8	480	5.8	24,971	5.8
Telephone operators	13.30	8.4	524	7.4	27,228	7.4
Financial clerks	15.04	1.8	596	1.8	31,010	1.8
Bill and account collectors	14.58	6.7	579	6.7	30,110	6.7
Billing and posting clerks and machine operators	14.76	4.2	585	4.0	30,412	4.0
Bookkeeping, accounting, and auditing clerks	15.60	1.6	617	1.6	32,081	1.6
Payroll and timekeeping clerks	17.79	1.6	707	1.6	36,762	1.6
Procurement clerks	16.52	4.0	660	4.0	34,334	4.0
Tellers	12.16	1.5	486	1.5	25,262	1.5
Brokerage clerks	19.05	4.0	752	4.0	39,080	4.0
Correspondence clerks	16.46	4.4	658	4.4	34,239	4.4
Credit authorizers, checkers, and clerks	14.86	5.3	594	5.3	30,897	5.3
Customer service representatives	15.67	2.4	622	2.4	32,344	2.4
Eligibility interviewers, government programs	16.56	4.8	660	5.2	34,297	5.2
File clerks	13.19	5.2	524	5.4	27,231	5.4
Hotel, motel, and resort desk clerks	10.29	2.0	409	2.1	21,273	2.1
Interviewers, except eligibility and loan	13.83	3.8	544	3.3	28,289	3.3
Library assistants, clerical	14.83	4.5	565	5.6	28,163	5.6
Loan interviewers and clerks	16.58	5.2	661	5.3	34,377	5.3

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Office and administrative support occupations –Continued						
New accounts clerks	\$14.73	2.8%	\$589	2.8%	\$30,643	2.8%
Order clerks	15.05	4.7	599	4.8	30,987	4.8
Human resources assistants, except payroll and timekeeping	17.57	2.7	701	2.7	36,435	2.7
Receptionists and information clerks	13.31	2.4	525	2.3	27,147	2.3
Reservation and transportation ticket agents and travel clerks	14.11	10.7	553	12.1	28,757	12.1
Cargo and freight agents	26.15	19.5	1,045	19.6	54,347	19.6
Couriers and messengers	11.86	3.2	464	3.9	24,127	3.9
Dispatchers	19.17	3.7	773	3.9	40,080	3.9
Police, fire, and ambulance dispatchers	16.03	11.8	641	11.8	33,165	11.8
Dispatchers, except police, fire, and ambulance	19.49	4.0	787	4.2	40,780	4.2
Meter readers, utilities	19.69	8.4	788	8.4	40,959	8.4
Production, planning, and expediting clerks	20.23	2.8	807	2.8	41,962	2.8
Shipping, receiving, and traffic clerks	13.01	2.0	520	1.9	27,013	1.9
Stock clerks and order fillers	13.09	2.2	520	2.2	27,043	2.2
Weighers, measurers, checkers, and samplers, recordkeeping	15.44	6.6	617	6.6	32,107	6.6
Secretaries and administrative assistants	19.61	1.6	769	1.5	39,940	1.5
Executive secretaries and administrative assistants	21.73	2.2	857	2.2	44,542	2.2
Legal secretaries	27.77	4.3	1,035	3.6	53,837	3.6
Medical secretaries	14.29	3.3	564	3.1	29,324	3.1
Secretaries, except legal, medical, and executive	17.22	1.3	676	1.3	35,100	1.3
Computer operators	17.39	3.4	694	3.4	36,101	3.4
Data entry and information processing workers	13.99	3.8	553	3.6	28,683	3.6
Data entry keyers	13.05	1.9	517	1.9	26,777	1.9
Word processors and typists	18.03	9.8	707	9.0	36,752	9.0
Desktop publishers	19.77	12.4	767	11.2	39,866	11.2
Insurance claims and policy processing clerks	15.43	2.5	606	2.3	31,529	2.3
Mail clerks and mail machine operators, except postal service	12.22	4.6	479	4.2	24,891	4.2
Office clerks, general	14.89	2.0	587	2.0	30,516	2.0
Office machine operators, except computer ..	12.13	5.0	479	4.5	24,450	4.5
Proofreaders and copy markers	13.48	4.6	539	4.6	28,045	4.6
Statistical assistants	19.05	8.2	742	7.4	38,581	7.4

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Farming, fishing, and forestry occupations ..	\$11.85	11.7%	\$473	11.7%	\$20,941	11.7%
Graders and sorters, agricultural products	9.85	8.5	392	8.1	19,710	8.1
Miscellaneous agricultural workers	9.16	13.3	366	13.3	14,660	13.3
Construction and extraction occupations	22.67	3.8	905	3.8	46,504	3.8
First-line supervisors/managers of construction trades and extraction workers	29.44	4.8	1,191	4.3	61,927	4.3
Boilermakers	24.44	6.7	978	6.7	50,834	6.7
Brickmasons, blockmasons, and stonemasons	27.22	16.1	1,086	16.2	55,938	16.2
Brickmasons and blockmasons	27.22	16.1	1,086	16.2	55,938	16.2
Carpenters	22.28	4.6	877	4.2	44,718	4.2
Cement masons, concrete finishers, and terrazzo workers	21.15	6.3	846	6.3	43,600	6.3
Cement masons and concrete finishers	21.15	6.3	846	6.3	43,600	6.3
Construction laborers	15.05	12.2	602	12.2	30,619	12.2
Construction equipment operators	20.87	7.3	833	7.3	42,997	7.3
Paving, surfacing, and tamping equipment operators	15.07	12.0	595	10.5	30,937	10.5
Operating engineers and other construction equipment operators	22.05	7.2	882	7.2	45,470	7.2
Drywall installers, ceiling tile installers, and tapers	23.18	8.9	927	8.9	47,605	8.9
Drywall and ceiling tile installers	23.92	11.0	957	11.0	49,053	11.0
Tapers	21.29	7.6	852	7.6	43,880	7.6
Electricians	27.35	6.2	1,080	6.0	56,136	6.0
Insulation workers	18.50	6.9	740	6.9	38,490	6.9
Painters and paperhangers	17.60	4.6	703	4.6	36,543	4.6
Painters, construction and maintenance	17.60	4.6	703	4.6	36,543	4.6
Pipelayers, plumbers, pipefitters, and steamfitters	26.84	13.5	1,071	13.5	55,709	13.5
Pipelayers	18.28	18.8	731	18.8	37,939	18.8
Plumbers, pipefitters, and steamfitters	27.35	13.8	1,091	13.8	56,748	13.8
Roofers	16.56	16.3	662	16.3	26,577	16.3
Sheet metal workers	20.44	8.4	818	8.4	40,889	8.4
Structural iron and steel workers	34.01	17.8	1,361	17.8	70,750	17.8
Helpers, construction trades	14.46	9.0	578	9.0	30,029	9.0
Helpers--carpenters	15.20	15.1	608	15.1	31,072	15.1
Helpers--electricians	11.50	5.2	460	5.2	23,928	5.2
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	12.38	2.7	495	2.7	25,757	2.7
Construction and building inspectors	26.38	8.5	1,065	8.9	55,372	8.9

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Construction and extraction occupations –Continued						
Miscellaneous construction and related workers	\$20.25	14.0%	\$805	14.1%	\$41,400	14.1%
Derrick, rotary drill, and service unit operators, oil, gas, and mining	20.60	23.1	824	23.1	42,855	23.1
Mining machine operators	19.71	3.8	788	3.8	40,999	3.8
Installation, maintenance, and repair occupations	22.40	1.6	896	1.6	46,595	1.6
First-line supervisors/managers of mechanics, installers, and repairers	27.27	10.9	1,096	11.0	57,004	11.0
Computer, automated teller, and office machine repairers	19.54	7.8	784	7.8	40,760	7.8
Radio and telecommunications equipment installers and repairers	28.30	2.4	1,132	2.4	58,862	2.4
Telecommunications equipment installers and repairers, except line installers	28.30	2.4	1,132	2.4	58,862	2.4
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	21.78	6.2	870	6.2	45,246	6.2
Avionics technicians	22.81	11.3	912	11.3	47,442	11.3
Electrical and electronics installers and repairers, transportation equipment	23.08	8.0	923	8.0	48,010	8.0
Electrical and electronics repairers, commercial and industrial equipment	23.84	7.3	952	7.3	49,467	7.3
Electrical and electronics repairers, powerhouse, substation, and relay	27.21	5.7	1,088	5.7	56,556	5.7
Electronic home entertainment equipment installers and repairers	13.99	11.4	560	11.4	29,098	11.4
Security and fire alarm systems installers	19.06	6.0	763	6.0	39,652	6.0
Aircraft mechanics and service technicians ..	28.01	5.7	1,120	5.7	58,252	5.7
Automotive technicians and repairers	20.75	4.8	844	4.9	43,914	4.9
Automotive body and related repairers	17.30	4.9	705	4.8	36,638	4.8
Automotive service technicians and mechanics	21.68	5.5	882	5.5	45,881	5.5
Bus and truck mechanics and diesel engine specialists	20.85	2.6	834	2.6	43,387	2.6
Heavy vehicle and mobile equipment service technicians and mechanics	22.16	3.1	886	3.1	46,088	3.1
Mobile heavy equipment mechanics, except engines	21.76	3.3	870	3.3	45,239	3.3

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Installation, maintenance, and repair occupations –Continued						
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	\$11.54	9.6%	\$462	9.6%	\$24,009	9.6%
Tire repairers and changers	10.78	9.6	432	9.7	22,441	9.7
Control and valve installers and repairers	26.31	7.1	1,051	7.1	54,646	7.1
Control and valve installers and repairers, except mechanical door	26.31	7.1	1,051	7.1	54,646	7.1
Heating, air conditioning, and refrigeration mechanics and installers	23.50	7.8	938	7.8	48,769	7.8
Home appliance repairers	22.99	10.7	920	10.7	47,815	10.7
Industrial machinery installation, repair, and maintenance workers	21.01	2.2	838	2.2	43,572	2.2
Industrial machinery mechanics	22.87	2.2	911	2.2	47,361	2.2
Maintenance and repair workers, general ..	19.58	3.9	780	3.9	40,562	3.9
Maintenance workers, machinery	17.87	4.9	716	4.9	37,207	4.9
Millwrights	23.81	5.2	952	5.2	49,438	5.2
Refractory materials repairers, except brickmasons	19.96	5.9	799	5.9	41,522	5.9
Line installers and repairers	26.17	3.0	1,047	3.0	54,436	3.0
Electrical power-line installers and repairers	27.52	5.5	1,101	5.5	57,239	5.5
Telecommunications line installers and repairers	24.73	3.5	989	3.5	51,445	3.5
Precision instrument and equipment repairers	23.98	4.9	956	4.9	49,711	4.9
Medical equipment repairers	25.51	7.4	1,020	7.4	53,056	7.4
Miscellaneous installation, maintenance, and repair workers	16.95	4.0	677	4.0	35,191	4.0
Coin, vending, and amusement machine servicers and repairers	14.85	11.1	591	10.8	30,728	10.8
Manufactured building and mobile home installers	12.31	20.5	492	20.5	25,606	20.5
Riggers	12.84	11.3	514	11.3	26,713	11.3
Helpers--installation, maintenance, and repair workers	12.97	3.1	519	3.1	26,932	3.1
Production occupations	16.47	1.3	657	1.3	34,098	1.3
First-line supervisors/managers of production and operating workers	25.11	2.1	1,019	2.1	52,993	2.1
Aircraft structure, surfaces, rigging, and systems assemblers	23.39	6.2	936	6.2	48,555	6.2

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Electrical, electronics, and electromechanical assemblers	\$14.18	2.8%	\$566	2.9%	\$29,419	2.9%
Coil winders, tapers, and finishers	13.62	10.4	511	10.3	26,548	10.3
Electrical and electronic equipment assemblers	14.01	3.6	560	3.6	29,135	3.6
Electromechanical equipment assemblers	14.66	4.4	586	4.4	30,471	4.4
Engine and other machine assemblers	19.77	11.0	789	11.1	41,026	11.1
Structural metal fabricators and fitters	18.06	9.3	718	8.8	36,977	8.8
Miscellaneous assemblers and fabricators	17.10	3.3	682	3.4	35,417	3.4
Team assemblers	19.46	9.6	775	9.7	40,233	9.7
Bakers	15.30	12.8	607	12.9	31,544	12.9
Butchers and other meat, poultry, and fish processing workers	11.87	5.8	472	5.8	24,558	5.8
Butchers and meat cutters	17.53	4.4	688	4.8	35,799	4.8
Meat, poultry, and fish cutters and trimmers	9.24	6.6	370	6.6	19,230	6.6
Slaughterers and meat packers	11.53	3.7	460	3.8	23,920	3.8
Miscellaneous food processing workers	13.90	4.2	555	4.2	28,871	4.2
Food and tobacco roasting, baking, and drying machine operators and tenders	13.49	10.1	539	10.1	28,050	10.1
Food batchmakers	14.59	4.8	583	4.8	30,302	4.8
Food cooking machine operators and tenders	12.54	9.0	500	9.1	25,997	9.1
Computer control programmers and operators	17.83	6.2	713	6.2	37,071	6.2
Computer-controlled machine tool operators, metal and plastic	16.60	5.1	664	5.1	34,519	5.1
Numerical tool and process control programmers	25.17	9.7	1,007	9.7	52,349	9.7
Forming machine setters, operators, and tenders, metal and plastic	15.71	3.5	621	3.5	32,240	3.5
Extruding and drawing machine setters, operators, and tenders, metal and plastic	14.66	3.6	578	3.5	30,034	3.5
Forging machine setters, operators, and tenders, metal and plastic	14.56	9.1	582	9.1	30,036	9.1
Rolling machine setters, operators, and tenders, metal and plastic	18.44	9.0	728	8.9	37,810	8.9
Machine tool cutting setters, operators, and tenders, metal and plastic	15.57	4.0	621	3.9	32,268	3.9

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	\$15.15	5.3%	\$603	5.3%	\$31,341	5.3%
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	17.92	8.1	717	8.1	37,266	8.1
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	14.27	5.9	570	5.9	29,619	5.9
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	17.67	9.7	707	9.7	36,748	9.7
Milling and planing machine setters, operators, and tenders, metal and plastic	17.19	12.0	688	12.0	35,712	12.0
Machinists	21.99	2.6	878	2.6	45,654	2.6
Metal furnace and kiln operators and tenders	18.07	6.3	721	6.3	37,301	6.3
Metal-refining furnace operators and tenders	18.59	8.3	742	8.3	38,526	8.3
Pourers and casters, metal	16.88	9.3	672	9.3	34,520	9.3
Model makers and patternmakers, metal and plastic	24.12	10.3	965	10.3	49,823	10.3
Model makers, metal and plastic	25.81	10.6	1,033	10.6	53,265	10.6
Patternmakers, metal and plastic	18.52	19.5	741	19.5	38,368	19.5
Molders and molding machine setters, operators, and tenders, metal and plastic	13.54	3.9	541	3.8	28,106	3.8
Foundry mold and coremakers	16.82	11.5	673	11.5	34,994	11.5
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.33	3.9	533	3.9	27,677	3.9
Multiple machine tool setters, operators, and tenders, metal and plastic	17.91	3.8	716	3.8	37,222	3.8
Tool and die makers	25.43	2.2	1,016	2.2	52,809	2.2
Welding, soldering, and brazing workers	17.79	3.0	709	3.0	36,821	3.0
Welders, cutters, solderers, and brazers	18.15	3.5	725	3.5	37,667	3.5
Welding, soldering, and brazing machine setters, operators, and tenders	16.46	5.9	650	5.9	33,702	5.9
Miscellaneous metalworkers and plastic workers	15.71	7.0	628	7.0	32,621	7.0
Heat treating equipment setters, operators, and tenders, metal and plastic	17.12	11.5	684	11.5	35,430	11.5
Lay-out workers, metal and plastic	17.64	8.5	706	8.5	36,696	8.5

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Plating and coating machine setters, operators, and tenders, metal and plastic	\$17.04	4.2%	\$679	4.3%	\$35,270	4.3%
Tool grinders, filers, and sharpeners	17.75	9.0	719	8.4	37,375	8.4
Bookbinders and bindery workers	16.21	9.3	621	8.9	32,155	8.9
Bindery workers	16.22	9.3	622	9.0	32,319	9.0
Printers	17.28	6.2	680	6.0	35,352	6.0
Job printers	17.80	9.0	697	8.7	36,235	8.7
Prepress technicians and workers	17.94	7.2	698	7.2	36,300	7.2
Printing machine operators	17.05	8.1	673	7.9	35,004	7.9
Laundry and dry-cleaning workers	9.72	2.7	384	2.9	19,970	2.9
Pressers, textile, garment, and related materials	9.88	4.4	391	4.5	20,277	4.5
Sewing machine operators	12.16	8.7	483	9.0	25,023	9.0
Tailors, dressmakers, and sewers	14.29	14.6	556	13.8	28,938	13.8
Tailors, dressmakers, and custom sewers ..	14.68	17.4	570	16.4	29,621	16.4
Textile machine setters, operators, and tenders	12.92	4.0	515	4.2	26,767	4.2
Textile bleaching and dyeing machine operators and tenders	12.04	7.1	482	7.1	25,050	7.1
Textile cutting machine setters, operators, and tenders	13.83	9.5	553	9.5	28,775	9.5
Textile knitting and weaving machine setters, operators, and tenders	13.54	5.6	542	5.6	28,166	5.6
Textile winding, twisting, and drawing out machine setters, operators, and tenders	12.33	6.9	490	7.3	25,441	7.3
Miscellaneous textile, apparel, and furnishings workers	13.45	7.8	535	7.6	27,782	7.6
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	15.95	7.6	627	7.6	32,629	7.6
Upholsterers	17.09	13.1	679	13.1	35,313	13.1
Cabinetmakers and bench carpenters	15.42	15.6	607	14.5	31,157	14.5
Furniture finishers	13.26	9.4	530	9.4	27,576	9.4
Woodworking machine setters, operators, and tenders	12.98	3.8	519	3.8	26,872	3.8
Sawing machine setters, operators, and tenders, wood	12.07	7.2	483	7.2	24,848	7.2
Woodworking machine setters, operators, and tenders, except sawing	13.65	2.6	546	2.6	28,378	2.6
Power plant operators, distributors, and dispatchers	30.37	4.2	1,215	4.2	63,194	4.2

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Power distributors and dispatchers	\$35.75	6.5%	\$1,440	6.5%	\$74,886	6.5%
Power plant operators	27.75	7.9	1,110	7.9	57,711	7.9
Stationary engineers and boiler operators	25.91	5.9	1,022	5.8	53,140	5.8
Water and liquid waste treatment plant and system operators	26.73	7.9	1,069	7.9	55,595	7.9
Miscellaneous plant and system operators	25.37	3.6	1,009	3.6	52,464	3.6
Chemical plant and system operators	24.55	4.8	970	4.5	50,427	4.5
Petroleum pump system operators, refinery operators, and gaugers	28.69	1.1	1,146	1.0	59,597	1.0
Chemical processing machine setters, operators, and tenders	20.34	6.3	811	6.4	42,134	6.4
Chemical equipment operators and tenders	18.77	10.9	746	10.9	38,759	10.9
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	21.56	9.7	861	9.7	44,792	9.7
Crushing, grinding, polishing, mixing, and blending workers	17.28	4.1	689	4.2	35,811	4.2
Crushing, grinding, and polishing machine setters, operators, and tenders	18.86	11.9	754	11.9	39,203	11.9
Grinding and polishing workers, hand	13.50	3.9	540	3.9	28,078	3.9
Mixing and blending machine setters, operators, and tenders	18.07	4.8	719	4.8	37,404	4.8
Cutting workers	13.82	4.4	552	4.4	27,957	4.4
Cutters and trimmers, hand	12.53	7.4	498	7.5	25,765	7.5
Cutting and slicing machine setters, operators, and tenders	14.36	4.4	575	4.4	28,862	4.4
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	14.53	11.9	579	11.6	30,120	11.6
Furnace, kiln, oven, drier, and kettle operators and tenders	16.07	13.1	643	13.1	33,419	13.1
Inspectors, testers, sorters, samplers, and weighers	16.58	2.9	660	3.0	34,296	3.0
Medical, dental, and ophthalmic laboratory technicians	14.36	4.8	575	4.8	29,875	4.8
Ophthalmic laboratory technicians	14.10	9.2	564	9.2	29,338	9.2
Packaging and filling machine operators and tenders	15.53	6.3	620	6.3	32,224	6.3
Painting workers	15.88	5.0	634	5.1	32,991	5.1
Coating, painting, and spraying machine setters, operators, and tenders	14.73	5.1	588	5.1	30,557	5.1
Painters, transportation equipment	19.83	6.2	795	6.3	41,332	6.3

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Painting, coating, and decorating workers	\$13.22	7.6%	\$529	7.6%	\$27,505	7.6%
Photographic process workers and processing machine operators	16.35	25.4	615	23.6	31,423	23.6
Photographic processing machine operators	12.12	5.3	464	7.8	23,834	7.8
Semiconductor processors	16.36	8.2	653	8.3	33,952	8.3
Miscellaneous production workers	14.29	3.8	569	3.8	29,437	3.8
Cementing and gluing machine operators and tenders	13.21	9.5	528	9.5	27,472	9.5
Cleaning, washing, and metal pickling equipment operators and tenders	22.02	18.6	881	18.6	45,800	18.6
Molders, shapers, and casters, except metal and plastic	15.17	4.5	607	4.5	31,558	4.5
Paper goods machine setters, operators, and tenders	17.30	12.1	691	12.1	35,937	12.1
Tire builders	17.38	9.6	695	9.6	36,158	9.6
Helpers--production workers	12.12	2.7	481	2.7	24,949	2.7
Transportation and material moving occupations	17.17	1.9	687	1.9	35,594	1.9
First-line supervisors/managers of helpers, laborers, and material movers, hand	21.49	3.1	880	2.9	45,765	2.9
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	25.55	4.7	1,050	4.8	54,617	4.8
Aircraft pilots and flight engineers	114.45	5.0	2,433	3.8	126,511	3.8
Airline pilots, copilots, and flight engineers	118.31	4.9	2,452	3.8	127,510	3.8
Bus drivers	16.17	12.4	634	11.4	32,303	11.4
Bus drivers, transit and intercity	16.71	13.0	668	13.0	34,537	13.0
Bus drivers, school	13.66	13.9	490	10.6	23,607	10.6
Driver/sales workers and truck drivers	19.35	2.5	819	2.3	42,576	2.3
Driver/sales workers	17.28	3.9	717	4.1	37,275	4.1
Truck drivers, heavy and tractor-trailer	19.51	2.8	849	2.4	44,122	2.4
Truck drivers, light or delivery services	19.35	4.3	780	4.7	40,571	4.7
Taxi drivers and chauffeurs	12.15	9.2	476	8.5	24,628	8.5
Railroad brake, signal, and switch operators	30.54	3.2	1,222	3.2	63,532	3.2
Sailors and marine oilers	12.48	6.0	593	5.2	29,129	5.2
Ship and boat captains and operators	21.47	23.8	1,150	28.9	50,506	28.9
Captains, mates, and pilots of water vessels	21.47	23.8	1,150	28.9	50,506	28.9
Ship engineers	24.58	7.1	1,191	7.5	48,291	7.5

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Transportation and material moving occupations –Continued						
Parking lot attendants	\$7.95	4.9%	\$316	4.8%	\$16,418	4.8%
Service station attendants	9.89	10.5	396	10.5	20,572	10.5
Transportation inspectors	25.02	9.4	1,019	9.4	53,000	9.4
Conveyor operators and tenders	20.28	12.6	811	12.6	42,193	12.6
Crane and tower operators	20.76	8.2	829	8.2	43,120	8.2
Dredge, excavating, and loading machine operators	17.07	4.9	683	4.9	35,286	4.9
Excavating and loading machine and dragline operators	16.59	5.3	664	5.3	34,289	5.3
Industrial truck and tractor operators	15.01	2.9	599	3.0	30,918	3.0
Laborers and material movers, hand	12.21	1.7	485	1.7	25,100	1.7
Cleaners of vehicles and equipment	12.04	4.5	483	4.5	24,989	4.5
Laborers and freight, stock, and material movers, hand	12.96	1.9	516	1.9	26,649	1.9
Machine feeders and offbearers	12.11	3.7	480	3.7	24,914	3.7
Packers and packagers, hand	10.55	3.1	418	3.2	21,648	3.2
Refuse and recyclable material collectors	11.24	21.8	529	14.6	27,515	14.6
Tank car, truck, and ship loaders	22.55	8.7	952	8.1	47,130	8.1

¹ A classification system including about 800 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

² 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.

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.

⁴ Mean weekly earnings are the straight-time weekly wages or salaries paid to employees.

⁵ Mean annual earnings are the straight-time annual wages or salaries paid to employees.

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.