

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	\$21.61	2.2%	\$858	2.2%	\$44,379	2.2%
Management occupations	45.14	2.0	1,827	2.0	94,953	2.0
Chief executives	164.07	45.2	7,450	44.9	387,403	44.9
General and operations managers	52.42	4.3	2,179	4.2	113,287	4.2
Advertising and promotions managers	32.94	8.7	1,321	9.1	68,712	9.1
Marketing and sales managers	46.90	3.2	1,911	3.2	99,364	3.2
Marketing managers	49.46	3.8	1,996	3.8	103,798	3.8
Sales managers	42.82	4.7	1,772	4.8	92,125	4.8
Public relations managers	43.92	21.0	1,739	20.7	90,408	20.7
Administrative services managers	33.95	6.4	1,364	6.8	70,913	6.8
Computer and information systems managers	51.79	2.3	2,095	2.3	108,889	2.3
Financial managers	47.47	3.0	1,912	3.0	99,405	3.0
Human resources managers	33.54	12.5	1,348	12.6	70,085	12.6
Compensation and benefits managers	42.60	9.2	1,734	8.1	90,154	8.1
Industrial production managers	40.87	2.5	1,672	2.5	86,931	2.5
Purchasing managers	41.79	5.2	1,679	5.4	87,293	5.4
Transportation, storage, and distribution managers	37.90	5.2	1,544	6.0	80,306	6.0
Construction managers	37.74	3.6	1,540	3.5	80,105	3.5
Education administrators	33.23	3.5	1,281	3.5	65,975	3.5
Education administrators, preschool and child care center/program	20.64	7.5	798	7.5	40,685	7.5
Education administrators, elementary and secondary school	35.08	4.6	1,414	5.1	71,414	5.1
Education administrators, postsecondary ..	34.93	4.1	1,339	4.3	69,202	4.3
Engineering managers	55.72	2.2	2,256	2.2	117,310	2.2
Food service managers	25.52	8.6	1,070	8.3	55,619	8.3
Lodging managers	27.20	33.6	1,190	34.2	61,904	34.2
Medical and health services managers	38.49	3.3	1,547	3.4	80,453	3.4
Natural sciences managers	39.30	24.6	1,490	24.0	77,467	24.0
Property, real estate, and community association managers	25.87	5.8	1,034	5.9	53,765	5.9
Social and community service managers	26.32	8.5	1,020	8.2	52,946	8.2
Business and financial operations occupations	30.05	1.2	1,202	1.2	62,481	1.2
Buyers and purchasing agents	27.48	2.1	1,112	2.2	57,839	2.2
Claims adjusters, appraisers, examiners, and investigators	23.62	3.0	920	2.9	47,831	2.9
Claims adjusters, examiners, and investigators	23.72	3.1	923	3.0	48,005	3.0
Insurance appraisers, auto damage	22.01	10.0	861	11.0	44,796	11.0

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
Compliance officers, except agriculture, construction, health and safety, and transportation	\$26.48	12.5%	\$1,107	10.1%	\$57,541	10.1%
Cost estimators	34.94	3.9	1,416	4.0	73,635	4.0
Human resources, training, and labor relations specialists	28.00	2.8	1,110	3.0	57,742	3.0
Employment, recruitment, and placement specialists	30.63	9.1	1,220	9.2	63,446	9.2
Compensation, benefits, and job analysis specialists	25.86	4.5	1,025	4.3	53,313	4.3
Training and development specialists	26.89	3.7	1,067	3.8	55,495	3.8
Logisticians	31.18	8.1	1,246	8.0	64,786	8.0
Management analysts	35.52	3.7	1,418	3.7	73,740	3.7
Meeting and convention planners	23.84	4.0	931	4.7	48,438	4.7
Accountants and auditors	27.51	2.8	1,095	2.7	56,940	2.7
Budget analysts	34.51	7.6	1,436	8.7	74,646	8.7
Credit analysts	26.33	5.6	1,055	5.6	54,843	5.6
Financial analysts and advisors	34.12	3.9	1,365	3.5	70,955	3.5
Financial analysts	35.81	4.7	1,445	4.3	75,161	4.3
Personal financial advisors	29.60	10.7	1,172	10.7	60,922	10.7
Insurance underwriters	30.87	8.1	1,205	8.4	62,666	8.4
Financial examiners	28.36	6.4	1,146	7.0	59,584	7.0
Loan counselors and officers	28.79	7.2	1,152	7.3	59,887	7.3
Loan counselors	23.60	36.9	939	37.0	48,828	37.0
Loan officers	29.22	6.7	1,169	6.8	60,796	6.8
Computer and mathematical science occupations	35.75	1.8	1,433	1.8	74,495	1.8
Computer and information scientists, research	44.11	7.0	1,764	7.0	91,742	7.0
Computer programmers	32.36	2.3	1,290	2.3	67,076	2.3
Computer software engineers	41.38	1.9	1,677	1.8	87,198	1.8
Computer software engineers, applications	40.44	3.0	1,647	3.0	85,660	3.0
Computer software engineers, systems software	42.15	2.2	1,701	2.2	88,470	2.2
Computer support specialists	25.65	4.8	1,024	4.9	53,247	4.9
Computer systems analysts	37.11	1.8	1,481	1.6	77,013	1.6
Database administrators	33.39	5.3	1,330	6.0	69,156	6.0
Network and computer systems administrators	32.44	3.2	1,300	3.2	67,626	3.2
Network systems and data communications analysts	35.34	7.2	1,408	7.0	73,242	7.0
Actuaries	39.01	5.3	1,533	5.2	79,741	5.2
Operations research analysts	36.98	5.8	1,456	6.1	75,704	6.1

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
Statisticians	\$35.98	14.1%	\$1,415	14.2%	\$73,590	14.2%
Architecture and engineering occupations	34.13	2.2	1,376	2.2	71,484	2.2
Architects, except naval	34.98	3.5	1,416	4.0	73,609	4.0
Architects, except landscape and naval	34.98	3.5	1,416	4.0	73,609	4.0
Engineers	38.66	1.1	1,563	1.0	81,245	1.0
Aerospace engineers	47.89	4.8	1,919	4.7	99,777	4.7
Chemical engineers	40.98	7.3	1,645	7.3	85,519	7.3
Civil engineers	35.51	4.2	1,445	4.2	75,124	4.2
Computer hardware engineers	39.55	4.6	1,621	4.7	84,301	4.7
Electrical and electronics engineers	39.35	2.4	1,590	2.1	82,687	2.1
Electrical engineers	39.76	3.0	1,615	2.4	83,970	2.4
Electronics engineers, except computer	38.94	3.4	1,566	3.2	81,426	3.2
Environmental engineers	43.22	6.5	1,732	6.4	90,053	6.4
Industrial engineers, including health and safety	34.47	2.0	1,401	1.9	72,858	1.9
Health and safety engineers, except mining safety engineers and inspectors	37.34	7.3	1,504	7.6	78,214	7.6
Industrial engineers	33.86	2.0	1,379	1.9	71,694	1.9
Marine engineers and naval architects	30.77	5.8	1,231	5.8	64,011	5.8
Materials engineers	31.92	6.5	1,310	4.6	68,109	4.6
Mechanical engineers	34.56	1.8	1,411	2.2	73,351	2.2
Nuclear engineers	40.44	3.9	1,618	3.9	84,121	3.9
Petroleum engineers	48.98	17.6	1,959	17.6	100,977	17.6
Drafters	24.25	3.4	969	3.4	50,409	3.4
Architectural and civil drafters	27.68	8.8	1,107	8.8	57,568	8.8
Electrical and electronics drafters	23.73	4.1	949	4.1	49,357	4.1
Mechanical drafters	23.14	5.9	926	5.9	48,142	5.9
Engineering technicians, except drafters	23.48	4.8	940	4.8	48,723	4.8
Aerospace engineering and operations technicians	26.80	3.1	1,080	3.4	56,179	3.4
Civil engineering technicians	21.64	16.1	866	16.1	45,021	16.1
Electrical and electronic engineering technicians	21.97	8.3	880	8.2	45,741	8.2
Electro-mechanical technicians	25.25	5.5	1,010	5.5	52,524	5.5
Industrial engineering technicians	24.08	3.2	966	3.3	50,223	3.3
Mechanical engineering technicians	22.53	6.5	904	6.6	46,884	6.6
Surveying and mapping technicians	25.03	11.0	1,002	11.0	52,078	11.0
Life, physical, and social science occupations	30.84	3.6	1,230	3.7	63,749	3.7
Life scientists	33.57	8.2	1,316	8.2	68,361	8.2
Agricultural and food scientists	39.23	12.8	1,539	13.0	80,048	13.0
Food scientists and technologists	35.43	10.5	1,386	10.6	72,081	10.6

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
Biological scientists	\$33.88	7.5%	\$1,327	7.9%	\$68,857	7.9%
Biochemists and biophysicists	36.58	9.5	1,421	10.2	73,869	10.2
Microbiologists	28.43	11.9	1,150	11.4	59,782	11.4
Medical scientists	32.58	12.9	1,286	12.5	66,871	12.5
Physical scientists	37.30	4.2	1,500	3.6	77,630	3.6
Astronomers and physicists	46.33	9.8	1,840	10.1	95,659	10.1
Physicists	46.33	9.8	1,840	10.1	95,659	10.1
Chemists and materials scientists	36.45	7.9	1,463	7.9	76,094	7.9
Chemists	35.45	9.0	1,425	9.0	74,101	9.0
Materials scientists	39.46	11.0	1,579	11.0	82,084	11.0
Environmental scientists and geoscientists	36.91	8.9	1,540	9.0	80,080	9.0
Environmental scientists and specialists, including health	35.33	8.1	1,486	8.0	77,294	8.0
Geoscientists, except hydrologists and geographers	53.34	25.3	2,134	25.3	110,948	25.3
Economists	31.86	28.2	1,391	23.5	72,325	23.5
Market and survey researchers	35.89	5.8	1,475	6.4	76,722	6.4
Market research analysts	35.90	5.8	1,476	6.4	76,743	6.4
Psychologists	28.82	17.3	1,123	16.2	56,505	16.2
Clinical, counseling, and school psychologists	30.78	19.0	1,194	17.6	59,844	17.6
Miscellaneous social scientists and related workers	35.26	9.6	1,363	9.6	70,875	9.6
Agricultural and food science technicians	20.86	7.4	829	7.0	43,091	7.0
Biological technicians	19.73	5.4	779	5.4	40,525	5.4
Chemical technicians	21.55	3.9	859	4.2	44,599	4.2
Nuclear technicians	35.23	5.8	1,409	5.8	73,271	5.8
Miscellaneous life, physical, and social science technicians	21.76	10.5	868	10.6	45,050	10.6
Environmental science and protection technicians, including health	26.63	10.8	1,065	10.8	55,380	10.8
Community and social services occupations	17.64	2.5	690	2.5	35,718	2.5
Counselors	17.24	2.9	676	2.6	34,997	2.6
Substance abuse and behavioral disorder counselors	15.60	6.2	623	6.6	32,422	6.6
Educational, vocational, and school counselors	18.46	6.0	717	5.3	36,897	5.3
Mental health counselors	17.79	6.2	702	6.4	36,495	6.4
Rehabilitation counselors	15.37	7.2	603	8.0	31,365	8.0
Social workers	19.67	2.3	768	2.3	39,769	2.3
Child, family, and school social workers ..	17.66	5.3	676	3.7	34,637	3.7
Medical and public health social workers	23.29	4.0	909	3.9	47,245	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
Mental health and substance abuse social workers	\$17.10	4.4%	\$682	4.3%	\$35,452	4.3%
Miscellaneous community and social service specialists	13.93	5.6	548	6.2	28,265	6.2
Social and human service assistants	12.17	4.8	477	4.6	24,599	4.6
Clergy	19.60	7.9	744	9.0	38,182	9.0
Legal occupations	57.26	4.7	2,313	4.6	120,124	4.6
Lawyers	71.60	4.7	2,958	4.6	153,816	4.6
Paralegals and legal assistants	27.34	3.7	1,048	3.7	54,521	3.7
Miscellaneous legal support workers	22.14	8.7	869	9.2	44,398	9.2
Title examiners, abstractors, and searchers	23.46	7.9	935	7.9	48,640	7.9
Education, training, and library occupations	34.66	6.2	1,337	6.1	58,930	6.1
Postsecondary teachers	47.04	5.1	1,833	5.1	76,886	5.1
Business teachers, postsecondary	56.00	8.7	2,143	8.1	82,902	8.1
Math and computer teachers, postsecondary	39.17	9.3	1,518	8.9	60,967	8.9
Computer science teachers, postsecondary	32.31	5.0	1,222	5.8	57,012	5.8
Mathematical science teachers, postsecondary	42.85	12.0	1,682	11.5	62,726	11.5
Engineering and architecture teachers, postsecondary	70.87	8.9	2,768	8.3	104,665	8.3
Engineering teachers, postsecondary	70.89	9.1	2,767	8.5	105,136	8.5
Life sciences teachers, postsecondary	59.69	20.4	2,503	21.0	114,311	21.0
Biological science teachers, postsecondary	59.69	20.4	2,503	21.0	114,311	21.0
Physical sciences teachers, postsecondary	54.28	7.2	2,066	7.0	84,011	7.0
Chemistry teachers, postsecondary	53.67	6.4	1,998	5.9	74,904	5.9
Physics teachers, postsecondary	60.33	13.1	2,342	11.5	103,211	11.5
Social sciences teachers, postsecondary	44.68	6.3	1,695	5.9	67,614	5.9
Economics teachers, postsecondary	56.24	11.5	1,993	9.2	71,744	9.2
Political science teachers, postsecondary	39.96	7.5	1,575	6.6	74,740	6.6
Psychology teachers, postsecondary	45.32	8.8	1,746	8.8	69,293	8.8
Sociology teachers, postsecondary	48.11	19.6	1,814	16.9	69,225	16.9
Health teachers, postsecondary	63.41	8.4	2,511	8.7	110,503	8.7
Health specialties teachers, postsecondary	75.88	9.0	3,012	9.8	128,846	9.8
Nursing instructors and teachers, postsecondary	32.82	2.0	1,292	1.9	61,140	1.9
Education and library science teachers, postsecondary	40.68	8.6	1,581	7.5	59,227	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
Education teachers, postsecondary	\$40.68	8.6%	\$1,581	7.5%	\$59,227	7.5%
Law, criminal justice, and social work teachers, postsecondary	58.55	19.8	2,280	18.2	94,852	18.2
Law teachers, postsecondary	78.99	10.6	3,111	5.9	121,839	5.9
Arts, communications, and humanities teachers, postsecondary	40.58	4.4	1,556	3.9	60,740	3.9
Art, drama, and music teachers, postsecondary	38.43	5.9	1,468	6.1	56,436	6.1
Communications teachers, postsecondary	39.50	25.7	1,530	24.5	58,194	24.5
English language and literature teachers, postsecondary	41.94	5.2	1,605	5.0	64,488	5.0
Foreign language and literature teachers, postsecondary	46.95	9.3	1,725	9.2	65,460	9.2
History teachers, postsecondary	39.26	9.8	1,560	8.7	60,080	8.7
Philosophy and religion teachers, postsecondary	40.24	10.5	1,559	8.7	62,274	8.7
Miscellaneous postsecondary teachers	36.16	8.8	1,401	8.4	63,938	8.4
Recreation and fitness studies teachers, postsecondary	29.46	3.6	1,168	3.5	48,529	3.5
Primary, secondary, and special education school teachers	24.29	8.8	933	7.9	38,800	7.9
Preschool and kindergarten teachers	14.54	7.2	558	7.5	26,576	7.5
Preschool teachers, except special education	14.51	7.4	557	7.8	26,492	7.8
Elementary and middle school teachers	27.05	5.3	1,051	4.9	40,853	4.9
Elementary school teachers, except special education	24.70	6.5	958	5.9	37,538	5.9
Middle school teachers, except special and vocational education	31.62	3.0	1,231	3.4	47,169	3.4
Secondary school teachers	32.20	10.9	1,243	8.7	47,412	8.7
Secondary school teachers, except special and vocational education	32.99	10.7	1,271	8.3	47,924	8.3
Special education teachers	26.04	12.6	963	10.9	40,688	10.9
Special education teachers, preschool, kindergarten, and elementary school	24.12	7.8	919	7.4	39,410	7.4
Special education teachers, secondary school	32.71	33.4	1,103	32.0	44,511	32.0
Other teachers and instructors	32.34	12.3	1,243	12.3	60,483	12.3
Librarians	30.87	11.9	1,150	12.5	58,836	12.5
Library technicians	18.68	10.2	725	10.8	37,456	10.8
Instructional coordinators	25.12	9.8	977	8.9	50,518	8.9
Teacher assistants	10.65	4.8	413	5.5	20,086	5.5

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
Arts, design, entertainment, sports, and media occupations	\$28.10	3.0%	\$1,110	3.1%	\$56,882	3.1%
Artists and related workers	27.83	11.7	1,128	12.0	58,102	12.0
Art directors	33.22	8.6	1,348	8.8	70,113	8.8
Multi-media artists and animators	27.47	14.5	1,145	12.4	59,530	12.4
Designers	24.61	4.3	981	4.3	51,021	4.3
Commercial and industrial designers	34.14	5.1	1,366	5.1	71,018	5.1
Graphic designers	22.02	5.0	872	4.9	45,332	4.9
Interior designers	22.21	7.3	894	7.2	46,489	7.2
Merchandise displayers and window trimmers	17.28	13.7	690	14.0	35,896	14.0
Actors, producers, and directors	35.99	8.1	1,455	8.5	75,540	8.5
Producers and directors	36.46	8.1	1,475	8.5	76,540	8.5
Athletes, coaches, umpires, and related workers	21.32	5.6	826	6.1	39,539	6.1
Coaches and scouts	21.56	6.4	824	6.6	38,999	6.6
Musicians, singers, and related workers	39.71	14.3	1,513	12.4	63,056	12.4
Musicians and singers	39.27	14.5	1,516	13.0	63,954	13.0
Announcers	47.75	22.0	1,907	22.0	99,184	22.0
Radio and television announcers	47.75	22.0	1,907	22.0	99,184	22.0
News analysts, reporters and correspondents	42.60	15.9	1,636	15.9	84,854	15.9
Reporters and correspondents	34.90	6.1	1,336	5.8	69,253	5.8
Public relations specialists	27.85	4.6	1,100	4.2	57,204	4.2
Writers and editors	27.42	4.0	1,074	3.5	55,551	3.5
Editors	27.15	4.9	1,049	4.3	54,536	4.3
Technical writers	29.67	6.4	1,190	6.4	61,901	6.4
Writers and authors	20.89	10.7	832	9.9	40,537	9.9
Miscellaneous media and communication workers	24.58	11.2	985	11.2	51,195	11.2
Broadcast and sound engineering technicians and radio operators	23.42	15.8	913	17.0	47,464	17.0
Audio and video equipment technicians	26.03	25.8	1,042	27.7	54,202	27.7
Broadcast technicians	21.03	15.4	805	16.7	41,852	16.7
Photographers	17.90	15.5	709	15.1	29,759	15.1
Television, video, and motion picture camera operators and editors	23.92	17.7	957	17.7	49,749	17.7
Camera operators, television, video, and motion picture	25.14	22.9	1,006	22.9	52,298	22.9
Healthcare practitioner and technical occupations	27.41	1.8	1,073	1.9	55,744	1.9
Dietitians and nutritionists	23.86	6.7	954	7.3	49,616	7.3
Pharmacists	46.82	.6	1,857	.7	96,590	.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
Physicians and surgeons	\$58.06	6.5%	\$2,296	6.2%	\$119,371	6.2%
Family and general practitioners	62.71	5.4	2,471	6.5	128,501	6.5
Internists, general	33.31	20.1	1,457	15.0	75,763	15.0
Pediatricians, general	65.18	7.7	2,649	8.0	137,764	8.0
Physician assistants	36.69	3.3	1,435	4.3	74,635	4.3
Registered nurses	29.79	1.0	1,152	1.0	59,912	1.0
Therapists	26.56	2.7	1,045	2.5	54,026	2.5
Occupational therapists	26.91	3.8	1,067	3.7	55,181	3.7
Physical therapists	31.47	2.8	1,237	2.7	63,794	2.7
Radiation therapists	33.80	7.1	1,330	6.1	69,173	6.1
Recreational therapists	17.33	8.4	685	8.4	35,615	8.4
Respiratory therapists	22.95	2.3	906	2.4	47,124	2.4
Speech-language pathologists	29.91	4.5	1,148	2.1	56,499	2.1
Clinical laboratory technologists and technicians	19.00	2.3	755	2.2	39,259	2.2
Medical and clinical laboratory technologists	23.42	2.9	931	2.9	48,436	2.9
Medical and clinical laboratory technicians	15.99	2.8	635	2.8	33,004	2.8
Diagnostic related technologists and technicians	25.08	2.8	991	2.8	51,521	2.8
Cardiovascular technologists and technicians	24.16	12.1	964	12.1	50,146	12.1
Diagnostic medical sonographers	30.81	4.2	1,196	5.2	62,187	5.2
Nuclear medicine technologists	31.53	6.7	1,261	6.7	65,582	6.7
Radiologic technologists and technicians ..	24.18	2.7	955	2.7	49,640	2.7
Emergency medical technicians and paramedics	15.67	9.6	631	8.7	32,820	8.7
Health diagnosing and treating practitioner support technicians	16.47	2.2	652	2.1	33,879	2.1
Pharmacy technicians	14.59	2.1	580	2.1	30,162	2.1
Psychiatric technicians	12.66	7.1	498	7.2	25,899	7.2
Respiratory therapy technicians	21.49	3.8	848	4.1	44,108	4.1
Surgical technologists	17.83	2.9	705	2.9	36,672	2.9
Licensed practical and licensed vocational nurses	18.73	2.2	729	2.0	37,902	2.0
Medical records and health information technicians	15.34	4.9	607	4.9	31,568	4.9
Opticians, dispensing	14.23	21.0	553	22.3	28,777	22.3
Miscellaneous health technologists and technicians	17.50	7.4	697	7.5	36,262	7.5
Occupational health and safety specialists and technicians	25.53	5.9	1,033	5.6	53,740	5.6
Occupational health and safety specialists	24.36	9.4	995	9.4	51,765	9.4

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
Miscellaneous healthcare practitioner and technical workers	\$20.54	9.2%	\$810	8.3%	\$41,965	8.3%
Healthcare support occupations	11.74	1.3	454	1.6	23,632	1.6
Nursing, psychiatric, and home health aides	11.06	1.3	424	1.8	22,060	1.8
Home health aides	10.01	4.0	361	5.2	18,773	5.2
Nursing aides, orderlies, and attendants	11.27	1.4	438	1.4	22,761	1.4
Psychiatric aides	11.19	5.3	437	4.8	22,700	4.8
Occupational therapist assistants and aides ...	14.09	12.0	563	12.0	29,269	12.0
Occupational therapist assistants	14.23	20.7	568	20.6	29,516	20.6
Occupational therapist aides	13.95	7.6	558	7.6	29,017	7.6
Physical therapist assistants and aides	13.73	6.1	547	6.1	28,438	6.1
Physical therapist assistants	18.54	6.9	737	6.8	38,310	6.8
Physical therapist aides	10.77	4.6	430	4.6	22,338	4.6
Miscellaneous healthcare support occupations	13.51	2.4	537	2.4	27,909	2.4
Medical assistants	13.85	2.9	551	2.9	28,620	2.9
Medical equipment preparers	13.58	5.4	541	5.5	28,144	5.5
Medical transcriptionists	15.10	3.5	600	3.5	31,206	3.5
Pharmacy aides	14.96	8.2	598	8.2	31,096	8.2
Veterinary assistants and laboratory animal caretakers	13.55	10.7	536	10.2	27,872	10.2
Protective service occupations	11.63	2.9	461	3.0	23,712	3.0
Fire fighters	19.25	11.7	940	11.7	48,880	11.7
Police officers	18.42	6.6	734	6.7	38,185	6.7
Police and sheriff's patrol officers	18.42	6.6	734	6.7	38,185	6.7
Security guards and gaming surveillance officers	10.80	2.6	427	2.6	22,169	2.6
Security guards	10.77	2.7	425	2.7	22,114	2.7
Miscellaneous protective service workers	12.58	13.4	459	15.1	14,989	15.1
Lifeguards, ski patrol, and other recreational protective service workers	9.26	6.7	358	5.7	8,815	5.7
Food preparation and serving related occupations	9.66	3.9	377	3.6	19,524	3.6
First-line supervisors/managers, food preparation and serving workers	16.18	2.5	661	2.4	33,955	2.4
Chefs and head cooks	18.03	6.4	743	6.3	37,563	6.3
First-line supervisors/managers of food preparation and serving workers	15.92	2.8	649	2.7	33,446	2.7
Cooks	11.65	1.9	457	1.8	23,705	1.8
Cooks, fast food	9.89	14.6	370	16.7	19,227	16.7
Cooks, institution and cafeteria	12.10	2.4	477	2.5	24,748	2.5

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
Cooks, restaurant	\$11.47	2.6%	\$449	2.4%	\$23,307	2.4%
Cooks, short order	10.74	2.7	419	3.5	21,784	3.5
Food preparation workers	10.52	2.8	415	2.8	21,474	2.8
Food service, tipped	5.95	3.6	228	3.7	11,849	3.7
Bartenders	7.21	4.3	275	5.3	14,203	5.3
Waiters and waitresses	5.24	6.4	201	8.1	10,433	8.1
Dining room and cafeteria attendants and bartender helpers	7.43	3.9	287	4.2	14,839	4.2
Fast food and counter workers	10.05	2.8	386	3.0	19,875	3.0
Combined food preparation and serving workers, including fast food	10.03	3.4	383	3.6	19,707	3.6
Counter attendants, cafeteria, food concession, and coffee shop	10.13	5.0	395	5.3	20,400	5.3
Food servers, nonrestaurant	9.22	3.5	358	3.3	18,599	3.3
Dishwashers	8.99	3.3	355	3.2	18,437	3.2
Hosts and hostesses, restaurant, lounge, and coffee shop	8.97	8.6	344	9.6	17,865	9.6
Building and grounds cleaning and maintenance occupations	11.21	4.1	443	4.1	22,956	4.1
First-line supervisors/managers, building and grounds cleaning and maintenance workers	17.86	7.2	718	7.2	37,324	7.2
First-line supervisors/managers of housekeeping and janitorial workers ...	17.05	3.3	684	3.2	35,563	3.2
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	30.17	34.7	1,247	33.8	64,837	33.8
Building cleaning workers	10.66	5.2	421	5.1	21,833	5.1
Janitors and cleaners, except maids and housekeeping cleaners	11.10	4.8	439	4.8	22,836	4.8
Maids and housekeeping cleaners	9.37	4.8	367	4.5	18,995	4.5
Grounds maintenance workers	10.61	3.7	418	3.6	21,177	3.6
Landscaping and groundskeeping workers	10.44	3.3	411	3.3	20,818	3.3
Personal care and service occupations	11.05	14.9	408	10.4	20,947	10.4
First-line supervisors/managers of gaming workers	14.09	3.7	570	3.6	29,648	3.6
Gaming supervisors	16.07	7.3	655	8.0	34,083	8.0
Slot key persons	11.10	1.5	444	1.4	23,079	1.4
First-line supervisors/managers of personal service workers	16.84	5.7	687	6.2	35,000	6.2
Nonfarm animal caretakers	11.51	5.5	450	5.2	23,420	5.2
Gaming services workers	6.42	4.8	255	3.7	13,257	3.7

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
Gaming dealers	\$6.30	2.4%	\$250	1.6%	\$13,025	1.6%
Ushers, lobby attendants, and ticket takers ...	11.66	16.1	466	16.1	23,782	16.1
Miscellaneous entertainment attendants and related workers	9.35	8.4	367	8.2	16,777	8.2
Amusement and recreation attendants	8.91	11.1	350	11.1	15,341	11.1
Locker room, coatroom, and dressing room attendants	10.46	14.1	410	13.3	21,332	13.3
Baggage porters, bellhops, and concierges	8.71	5.6	339	6.3	17,630	6.3
Baggage porters and bellhops	7.66	6.2	298	7.3	15,507	7.3
Concierges	11.89	12.0	463	11.9	24,077	11.9
Tour and travel guides	11.38	11.7	452	11.4	20,251	11.4
Tour guides and escorts	11.16	12.0	443	11.6	19,537	11.6
Transportation attendants	31.38	4.6	645	3.4	33,480	3.4
Flight attendants	34.11	3.8	653	3.7	33,957	3.7
Transportation attendants, except flight attendants and baggage porters	13.36	12.0	533	12.0	27,064	12.0
Child care workers	10.53	4.4	415	4.4	21,352	4.4
Personal and home care aides	9.17	1.9	356	1.8	18,523	1.8
Recreation and fitness workers	11.64	5.7	464	5.3	19,603	5.3
Recreation workers	11.75	6.1	468	5.6	19,427	5.6
Residential advisors	10.81	4.6	432	4.6	21,953	4.6
Sales and related occupations	20.10	4.3	800	4.3	41,530	4.3
First-line supervisors/managers, sales workers	22.73	5.0	919	5.3	47,740	5.3
First-line supervisors/managers of retail sales workers	19.21	4.2	776	4.5	40,367	4.5
First-line supervisors/managers of non-retail sales workers	30.26	8.5	1,226	8.7	63,514	8.7
Retail sales workers	12.50	1.6	495	1.7	25,731	1.7
Cashiers, all workers	10.88	1.7	431	1.8	22,385	1.8
Cashiers	10.79	1.3	427	1.3	22,140	1.3
Gaming change persons and booth cashiers	11.38	6.2	455	6.2	23,661	6.2
Counter and rental clerks and parts salespersons	15.25	6.7	616	6.7	32,028	6.7
Counter and rental clerks	12.84	10.4	510	10.2	26,510	10.2
Parts salespersons	17.50	5.7	719	5.6	37,383	5.6
Retail salespersons	13.31	2.1	526	2.3	27,374	2.3
Advertising sales agents	28.09	18.2	1,118	18.2	58,112	18.2
Insurance sales agents	25.99	12.3	1,015	11.7	52,774	11.7
Securities, commodities, and financial services sales agents	62.42	8.1	2,490	8.7	129,499	8.7
Travel agents	14.35	11.9	574	11.9	29,854	11.9

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
Sales representatives, wholesale and manufacturing	\$32.64	3.4%	\$1,324	3.4%	\$68,871	3.4%
Sales representatives, wholesale and manufacturing, technical and scientific products	38.06	5.2	1,528	5.1	79,435	5.1
Sales representatives, wholesale and manufacturing, except technical and scientific products	30.21	4.3	1,232	4.5	64,055	4.5
Models, demonstrators, and product promoters	16.63	8.6	665	8.6	34,579	8.6
Demonstrators and product promoters	16.63	8.6	665	8.6	34,579	8.6
Real estate brokers and sales agents	35.08	28.9	1,378	27.5	71,673	27.5
Real estate sales agents	34.21	38.3	1,351	36.8	70,259	36.8
Sales engineers	36.64	5.7	1,504	6.4	78,230	6.4
Telemarketers	11.98	8.2	454	10.1	23,600	10.1
Miscellaneous sales and related workers	18.33	8.5	725	8.7	37,156	8.7
Office and administrative support occupations	15.51	.9	614	.9	31,909	.9
First-line supervisors/managers of office and administrative support workers	24.04	1.4	958	1.4	49,715	1.4
Switchboard operators, including answering service	11.85	4.9	465	4.8	24,195	4.8
Telephone operators	13.18	11.5	517	10.4	26,884	10.4
Financial clerks	14.61	2.2	579	2.1	30,120	2.1
Bill and account collectors	14.19	7.0	564	7.0	29,318	7.0
Billing and posting clerks and machine operators	14.45	3.2	572	3.1	29,763	3.1
Bookkeeping, accounting, and auditing clerks	15.14	2.0	598	1.9	31,100	1.9
Payroll and timekeeping clerks	17.33	2.0	689	2.0	35,822	2.0
Procurement clerks	15.88	4.3	635	4.3	33,002	4.3
Tellers	11.74	1.5	469	1.5	24,388	1.5
Brokerage clerks	18.58	4.5	732	4.4	38,044	4.4
Correspondence clerks	15.25	4.6	610	4.5	31,714	4.5
Credit authorizers, checkers, and clerks	14.47	5.4	579	5.4	30,085	5.4
Customer service representatives	15.22	2.3	605	2.3	31,435	2.3
Eligibility interviewers, government programs	16.81	5.5	670	5.7	34,833	5.7
File clerks	12.20	5.4	485	5.5	25,210	5.5
Hotel, motel, and resort desk clerks	10.08	2.0	401	2.1	20,835	2.1
Interviewers, except eligibility and loan	13.09	3.2	517	2.9	26,910	2.9
Library assistants, clerical	14.41	4.3	549	5.2	27,362	5.2
Loan interviewers and clerks	15.02	2.7	598	2.6	31,093	2.6

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
New accounts clerks	\$13.99	3.0%	\$560	3.0%	\$29,107	3.0%
Order clerks	14.71	5.2	585	5.3	30,302	5.3
Human resources assistants, except payroll and timekeeping	16.61	2.5	662	2.5	34,443	2.5
Receptionists and information clerks	12.88	2.5	508	2.4	26,282	2.4
Reservation and transportation ticket agents and travel clerks	13.76	10.8	540	12.1	28,059	12.1
Cargo and freight agents	25.17	16.8	1,006	16.8	52,305	16.8
Couriers and messengers	11.37	2.8	445	3.4	23,156	3.4
Dispatchers	18.66	3.6	755	3.8	39,137	3.8
Police, fire, and ambulance dispatchers	15.82	11.7	633	11.7	32,725	11.7
Dispatchers, except police, fire, and ambulance	18.91	3.8	766	3.9	39,715	3.9
Meter readers, utilities	18.97	8.6	759	8.6	39,465	8.6
Production, planning, and expediting clerks	19.39	2.5	775	2.4	40,285	2.4
Shipping, receiving, and traffic clerks	12.75	1.8	509	1.8	26,467	1.8
Stock clerks and order fillers	12.81	2.2	509	2.3	26,471	2.3
Weighers, measurers, checkers, and samplers, recordkeeping	14.74	5.9	590	5.9	30,658	5.9
Secretaries and administrative assistants	19.01	1.9	746	1.9	38,761	1.9
Executive secretaries and administrative assistants	20.92	2.2	825	2.2	42,910	2.2
Legal secretaries	26.87	4.4	1,014	4.2	52,724	4.2
Medical secretaries	13.71	3.0	541	2.8	28,147	2.8
Secretaries, except legal, medical, and executive	16.81	1.3	661	1.4	34,278	1.4
Computer operators	17.00	3.3	679	3.2	35,288	3.2
Data entry and information processing workers	13.63	3.9	539	3.8	27,953	3.8
Data entry keyers	12.62	1.8	500	1.8	25,910	1.8
Word processors and typists	18.03	9.4	706	8.8	36,736	8.8
Desktop publishers	20.11	10.6	772	9.0	40,153	9.0
Insurance claims and policy processing clerks	14.99	2.4	590	2.3	30,682	2.3
Mail clerks and mail machine operators, except postal service	12.03	5.5	471	5.2	24,466	5.2
Office clerks, general	14.52	1.6	573	1.5	29,766	1.5
Office machine operators, except computer ..	11.95	4.2	467	3.8	23,783	3.8
Proofreaders and copy markers	12.94	5.3	518	5.3	26,912	5.3
Statistical assistants	17.05	6.3	665	5.4	34,594	5.4
Farming, fishing, and forestry occupations ..	11.67	12.9	465	12.9	18,930	12.9
Graders and sorters, agricultural products	9.37	11.2	372	10.8	18,739	10.8
Miscellaneous agricultural workers	8.98	11.2	359	11.2	11,281	11.2

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
Farmworkers and laborers, crop, nursery, and greenhouse	\$8.68	12.5%	\$346	12.4%	\$10,269	12.4%
Construction and extraction occupations	22.17	3.6	884	3.5	45,360	3.5
First-line supervisors/managers of construction trades and extraction workers	28.05	4.7	1,132	4.6	58,877	4.6
Boilermakers	21.80	8.9	872	8.9	45,339	8.9
Brickmasons, blockmasons, and stonemasons	26.37	14.5	1,052	14.6	54,236	14.6
Brickmasons and blockmasons	26.37	14.5	1,052	14.6	54,236	14.6
Carpenters	22.23	5.4	876	4.5	44,777	4.5
Carpet, floor, and tile installers and finishers	15.57	10.9	623	10.9	32,382	10.9
Cement masons, concrete finishers, and terrazzo workers	19.90	7.5	796	7.5	40,988	7.5
Cement masons and concrete finishers	19.90	7.5	796	7.5	40,988	7.5
Construction laborers	15.75	9.0	630	9.0	31,986	9.0
Construction equipment operators	21.41	7.3	841	7.2	42,220	7.2
Paving, surfacing, and tamping equipment operators	13.76	13.1	545	11.7	28,327	11.7
Operating engineers and other construction equipment operators	22.98	6.5	901	6.3	44,918	6.3
Drywall installers, ceiling tile installers, and tapers	19.17	5.4	767	5.4	39,354	5.4
Drywall and ceiling tile installers	19.61	6.8	784	6.8	39,980	6.8
Tapers	18.67	6.6	747	6.6	38,632	6.6
Electricians	26.87	5.9	1,061	5.7	55,169	5.7
Insulation workers	16.88	8.6	675	8.6	35,108	8.6
Painters and paperhangers	15.39	12.2	615	12.2	31,970	12.2
Painters, construction and maintenance	15.39	12.2	615	12.2	31,970	12.2
Pipelayers, plumbers, pipefitters, and steamfitters	26.03	11.8	1,039	11.8	54,018	11.8
Pipelayers	19.61	16.9	785	16.9	40,687	16.9
Plumbers, pipefitters, and steamfitters	26.33	12.0	1,051	12.0	54,644	12.0
Roofers	16.61	15.6	664	15.6	26,808	15.6
Sheet metal workers	20.55	7.5	822	7.5	41,316	7.5
Structural iron and steel workers	32.99	18.8	1,320	18.8	68,618	18.8
Helpers, construction trades	14.00	7.9	560	7.9	29,089	7.9
Helpers--carpenters	14.71	15.6	588	15.6	30,076	15.6
Helpers--electricians	11.27	3.6	451	3.6	23,437	3.6
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	14.27	7.8	571	7.8	29,688	7.8
Construction and building inspectors	24.15	10.6	972	11.3	50,550	11.3

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
Rail-track laying and maintenance equipment operators	\$23.14	5.0%	\$926	5.0%	\$48,133	5.0%
Miscellaneous construction and related workers	19.12	13.6	760	13.7	39,062	13.7
Derrick, rotary drill, and service unit operators, oil, gas, and mining	19.44	24.1	778	24.1	40,435	24.1
Mining machine operators	19.24	4.8	770	4.8	40,029	4.8
Installation, maintenance, and repair occupations	21.88	2.0	876	2.0	45,539	2.0
First-line supervisors/managers of mechanics, installers, and repairers	27.80	9.7	1,120	9.9	58,256	9.9
Computer, automated teller, and office machine repairers	17.13	5.4	687	5.5	35,732	5.5
Radio and telecommunications equipment installers and repairers	27.76	1.7	1,110	1.7	57,738	1.7
Telecommunications equipment installers and repairers, except line installers	27.76	1.7	1,110	1.7	57,738	1.7
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	21.39	5.6	855	5.6	44,431	5.6
Avionics technicians	17.70	11.0	708	11.0	36,823	11.0
Electrical and electronics installers and repairers, transportation equipment	21.98	12.1	879	12.1	45,724	12.1
Electrical and electronics repairers, commercial and industrial equipment	23.56	6.8	941	6.8	48,888	6.8
Electrical and electronics repairers, powerhouse, substation, and relay	25.98	6.0	1,038	6.0	53,997	6.0
Electronic home entertainment equipment installers and repairers	14.78	12.4	591	12.4	30,736	12.4
Security and fire alarm systems installers	18.96	4.8	758	4.8	39,429	4.8
Aircraft mechanics and service technicians	28.14	7.3	1,126	7.3	58,542	7.3
Automotive technicians and repairers	20.06	5.2	818	5.3	42,552	5.3
Automotive body and related repairers	17.47	4.4	715	4.6	37,202	4.6
Automotive service technicians and mechanics	20.79	6.2	847	6.3	44,046	6.3
Bus and truck mechanics and diesel engine specialists	20.27	3.3	813	3.3	42,270	3.3
Heavy vehicle and mobile equipment service technicians and mechanics	21.11	3.8	844	3.8	43,886	3.8
Mobile heavy equipment mechanics, except engines	20.68	4.0	827	3.9	42,992	3.9
Rail car repairers	24.59	2.4	984	2.4	51,149	2.4

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
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	\$11.20	9.5%	\$448	9.5%	\$23,297	9.5%
Tire repairers and changers	10.38	8.7	416	8.7	21,611	8.7
Control and valve installers and repairers	25.79	6.6	1,030	6.6	53,567	6.6
Control and valve installers and repairers, except mechanical door	25.79	6.6	1,030	6.6	53,567	6.6
Heating, air conditioning, and refrigeration mechanics and installers	22.12	6.7	883	6.7	45,902	6.7
Home appliance repairers	22.04	10.4	882	10.4	45,844	10.4
Industrial machinery installation, repair, and maintenance workers	20.41	2.2	815	2.2	42,345	2.2
Industrial machinery mechanics	22.29	2.2	888	2.2	46,172	2.2
Maintenance and repair workers, general	19.06	3.8	760	3.8	39,502	3.8
Maintenance workers, machinery	17.23	4.9	690	4.9	35,864	4.9
Millwrights	23.16	5.4	927	5.4	48,113	5.4
Refractory materials repairers, except brickmasons	19.00	6.2	760	6.2	39,526	6.2
Line installers and repairers	25.96	3.0	1,038	3.0	54,001	3.0
Electrical power-line installers and repairers	26.65	5.3	1,066	5.3	55,442	5.3
Telecommunications line installers and repairers	25.24	2.7	1,010	2.7	52,502	2.7
Precision instrument and equipment repairers	23.12	5.0	922	4.9	47,935	4.9
Medical equipment repairers	24.76	7.2	990	7.2	51,491	7.2
Miscellaneous installation, maintenance, and repair workers	16.44	4.2	657	4.2	34,133	4.2
Coin, vending, and amusement machine servicers and repairers	14.22	9.6	566	9.4	29,437	9.4
Manufactured building and mobile home installers	11.76	12.6	471	12.6	24,467	12.6
Riggers	11.79	8.4	472	8.4	24,521	8.4
Signal and track switch repairers	25.07	5.2	1,003	5.2	52,137	5.2
Helpers--installation, maintenance, and repair workers	12.66	3.4	506	3.4	26,280	3.4
Production occupations	16.09	1.4	642	1.4	33,318	1.4
First-line supervisors/managers of production and operating workers	24.31	2.1	988	2.2	51,362	2.2
Aircraft structure, surfaces, rigging, and systems assemblers	23.74	4.0	950	4.0	49,344	4.0
Electrical, electronics, and electromechanical assemblers	13.97	3.1	557	3.2	28,976	3.2
Coil winders, tapers, and finishers	13.47	7.3	501	7.1	26,071	7.1

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
Electrical and electronic equipment assemblers	\$13.75	3.5%	\$549	3.5%	\$28,573	3.5%
Electromechanical equipment assemblers	14.58	5.7	583	5.7	30,285	5.7
Engine and other machine assemblers	19.15	10.8	764	10.9	39,728	10.9
Structural metal fabricators and fitters	17.27	8.9	686	8.5	35,320	8.5
Miscellaneous assemblers and fabricators	16.68	3.1	665	3.1	34,558	3.1
Team assemblers	19.36	8.6	771	8.6	39,991	8.6
Bakers	14.22	10.5	562	10.5	29,216	10.5
Butchers and other meat, poultry, and fish processing workers	11.57	5.3	460	5.3	23,929	5.3
Butchers and meat cutters	17.39	3.8	680	4.3	35,382	4.3
Meat, poultry, and fish cutters and trimmers	9.07	6.1	363	6.1	18,874	6.1
Slaughterers and meat packers	11.10	4.2	443	4.4	23,025	4.4
Miscellaneous food processing workers	13.61	4.5	544	4.5	28,300	4.5
Food and tobacco roasting, baking, and drying machine operators and tenders	13.19	9.4	528	9.4	27,445	9.4
Food batchmakers	14.33	5.5	573	5.5	29,782	5.5
Food cooking machine operators and tenders	12.24	9.4	490	9.4	25,470	9.4
Computer control programmers and operators	17.24	6.5	689	6.5	35,842	6.5
Computer-controlled machine tool operators, metal and plastic	16.09	5.2	643	5.2	33,449	5.2
Numerical tool and process control programmers	24.31	10.8	972	10.8	50,568	10.8
Forming machine setters, operators, and tenders, metal and plastic	15.64	4.8	619	4.7	32,121	4.7
Extruding and drawing machine setters, operators, and tenders, metal and plastic	14.54	3.5	573	3.4	29,793	3.4
Forging machine setters, operators, and tenders, metal and plastic	14.08	7.4	563	7.4	29,031	7.4
Rolling machine setters, operators, and tenders, metal and plastic	18.36	9.9	726	9.8	37,712	9.8
Machine tool cutting setters, operators, and tenders, metal and plastic	15.44	3.8	616	3.7	31,996	3.7
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	15.25	4.3	607	4.2	31,561	4.2
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	17.16	6.5	684	6.5	35,578	6.5

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
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	\$13.97	6.4%	\$557	6.4%	\$28,983	6.4%
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	17.44	10.6	697	10.5	36,239	10.5
Milling and planing machine setters, operators, and tenders, metal and plastic	16.82	11.2	673	11.2	34,943	11.2
Machinists	21.53	2.5	859	2.5	44,690	2.5
Metal furnace and kiln operators and tenders	17.68	6.1	708	6.2	36,633	6.2
Metal-refining furnace operators and tenders	18.18	8.3	728	8.4	37,797	8.4
Pourers and casters, metal	16.49	11.1	660	11.1	33,858	11.1
Model makers and patternmakers, metal and plastic	23.77	7.8	951	7.8	49,165	7.8
Model makers, metal and plastic	25.57	8.7	1,023	8.7	52,827	8.7
Patternmakers, metal and plastic	18.34	14.1	734	14.1	38,030	14.1
Molders and molding machine setters, operators, and tenders, metal and plastic	13.39	4.0	535	3.9	27,797	3.9
Foundry mold and coremakers	16.73	11.1	669	11.1	34,800	11.1
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.17	4.0	526	4.0	27,330	4.0
Multiple machine tool setters, operators, and tenders, metal and plastic	17.66	4.1	707	4.1	36,709	4.1
Tool and die makers	25.14	2.0	1,004	2.0	52,202	2.0
Welding, soldering, and brazing workers	17.33	2.8	690	2.8	35,859	2.8
Welders, cutters, solderers, and brazers	17.70	3.1	707	3.2	36,728	3.2
Welding, soldering, and brazing machine setters, operators, and tenders	15.93	6.4	629	6.5	32,631	6.5
Miscellaneous metalworkers and plastic workers	15.28	6.8	610	6.8	31,690	6.8
Heat treating equipment setters, operators, and tenders, metal and plastic	17.20	11.5	687	11.5	35,602	11.5
Lay-out workers, metal and plastic	16.06	4.2	642	4.2	33,404	4.2
Plating and coating machine setters, operators, and tenders, metal and plastic	15.92	4.7	631	5.0	32,815	5.0
Tool grinders, filers, and sharpeners	18.64	7.7	754	7.1	39,223	7.1
Bookbinders and bindery workers	15.58	7.7	601	6.9	31,094	6.9
Bindery workers	15.58	7.7	601	6.9	31,232	6.9
Printers	17.16	6.1	676	5.9	35,129	5.9
Job printers	17.69	7.9	692	7.6	36,007	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
Prepress technicians and workers	\$18.66	5.8%	\$726	6.0%	\$37,767	6.0%
Printing machine operators	16.72	8.1	661	7.9	34,344	7.9
Laundry and dry-cleaning workers	9.46	3.0	374	3.0	19,455	3.0
Pressers, textile, garment, and related materials	9.42	5.2	373	5.3	19,417	5.3
Sewing machine operators	11.71	9.0	465	9.3	24,104	9.3
Tailors, dressmakers, and sewers	14.07	16.4	548	15.1	28,478	15.1
Tailors, dressmakers, and custom sewers ..	14.45	18.2	561	16.8	29,151	16.8
Textile machine setters, operators, and tenders	12.46	3.6	496	3.8	25,778	3.8
Textile bleaching and dyeing machine operators and tenders	12.49	6.8	499	6.8	25,945	6.8
Textile cutting machine setters, operators, and tenders	12.29	10.8	492	10.8	25,564	10.8
Textile knitting and weaving machine setters, operators, and tenders	13.15	5.6	526	5.6	27,336	5.6
Textile winding, twisting, and drawing out machine setters, operators, and tenders ..	12.10	4.4	480	4.8	24,923	4.8
Miscellaneous textile, apparel, and furnishings workers	12.97	7.8	516	7.7	26,790	7.7
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	15.81	7.4	622	7.5	32,351	7.5
Upholsterers	16.31	14.0	648	14.0	33,706	14.0
Cabinetmakers and bench carpenters	15.95	21.2	628	19.8	32,224	19.8
Furniture finishers	12.82	9.1	513	9.1	26,675	9.1
Woodworking machine setters, operators, and tenders	12.77	3.8	510	3.8	26,462	3.8
Sawing machine setters, operators, and tenders, wood	12.20	7.4	488	7.4	25,185	7.4
Woodworking machine setters, operators, and tenders, except sawing	13.19	2.6	527	2.6	27,416	2.6
Power plant operators, distributors, and dispatchers	31.02	2.1	1,241	2.1	64,548	2.1
Power distributors and dispatchers	33.66	8.7	1,355	8.7	70,471	8.7
Power plant operators	29.71	3.1	1,188	3.1	61,795	3.1
Stationary engineers and boiler operators	24.68	5.2	974	5.1	50,639	5.1
Water and liquid waste treatment plant and system operators	25.04	8.2	1,002	8.2	52,088	8.2
Miscellaneous plant and system operators	24.10	3.3	958	3.2	49,810	3.2
Chemical plant and system operators	23.96	4.1	945	3.8	49,144	3.8
Petroleum pump system operators, refinery operators, and gaugers	27.90	1.0	1,114	1.0	57,948	1.0

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
Chemical processing machine setters, operators, and tenders	\$20.36	6.9%	\$811	7.0%	\$42,184	7.0%
Chemical equipment operators and tenders	19.36	7.6	770	7.6	39,998	7.6
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	21.04	9.7	841	9.7	43,712	9.7
Crushing, grinding, polishing, mixing, and blending workers	16.38	5.0	653	5.0	33,948	5.0
Crushing, grinding, and polishing machine setters, operators, and tenders	17.37	12.6	695	12.6	35,794	12.6
Grinding and polishing workers, hand	13.43	5.3	537	5.3	27,935	5.3
Mixing and blending machine setters, operators, and tenders	17.01	5.5	678	5.5	35,236	5.5
Cutting workers	13.67	3.5	546	3.5	27,749	3.5
Cutters and trimmers, hand	12.74	8.4	507	8.5	26,208	8.5
Cutting and slicing machine setters, operators, and tenders	14.01	3.7	561	3.7	28,315	3.7
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	14.44	8.9	576	8.8	29,935	8.8
Furnace, kiln, oven, drier, and kettle operators and tenders	15.64	12.4	625	12.4	32,525	12.4
Inspectors, testers, sorters, samplers, and weighers	16.44	3.1	655	3.2	34,008	3.2
Medical, dental, and ophthalmic laboratory technicians	14.09	4.6	563	4.6	29,300	4.6
Ophthalmic laboratory technicians	13.58	10.0	543	10.0	28,254	10.0
Packaging and filling machine operators and tenders	15.07	6.7	602	6.7	31,268	6.7
Painting workers	15.60	3.7	623	3.7	32,401	3.7
Coating, painting, and spraying machine setters, operators, and tenders	14.96	4.2	597	4.2	31,030	4.2
Painters, transportation equipment	19.17	5.4	769	5.5	39,968	5.5
Painting, coating, and decorating workers	12.60	10.5	504	10.5	26,210	10.5
Photographic process workers and processing machine operators	13.03	16.9	508	15.4	26,216	15.4
Photographic process workers	16.63	27.9	629	24.8	32,303	24.8
Photographic processing machine operators	11.04	3.9	438	4.0	22,660	4.0
Semiconductor processors	15.99	6.1	636	6.2	33,082	6.2
Miscellaneous production workers	13.82	3.8	550	3.8	28,493	3.8
Cementing and gluing machine operators and tenders	13.15	7.0	526	7.0	27,358	7.0

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
Cleaning, washing, and metal pickling equipment operators and tenders	\$21.65	18.9%	\$866	18.9%	\$45,029	18.9%
Molders, shapers, and casters, except metal and plastic	14.28	3.1	571	3.1	29,712	3.1
Paper goods machine setters, operators, and tenders	17.04	11.7	680	11.7	35,385	11.7
Tire builders	17.11	9.5	684	9.5	35,576	9.5
Helpers--production workers	11.59	2.7	460	2.6	23,875	2.6
Transportation and material moving occupations	16.71	1.8	668	1.9	34,571	1.9
First-line supervisors/managers of helpers, laborers, and material movers, hand	20.15	3.7	825	3.7	42,895	3.7
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	25.36	4.3	1,040	4.4	54,063	4.4
Aircraft pilots and flight engineers	114.86	5.0	2,455	4.0	127,642	4.0
Airline pilots, copilots, and flight engineers	119.00	4.8	2,476	4.1	128,775	4.1
Bus drivers	15.89	12.2	624	11.4	31,869	11.4
Bus drivers, transit and intercity	16.41	12.6	656	12.6	33,938	12.6
Bus drivers, school	13.18	13.7	472	10.5	22,769	10.5
Driver/sales workers and truck drivers	18.74	1.9	792	1.9	41,112	1.9
Driver/sales workers	17.61	4.3	730	5.0	37,972	5.0
Truck drivers, heavy and tractor-trailer	18.95	2.3	821	2.0	42,590	2.0
Truck drivers, light or delivery services	18.46	3.7	745	3.8	38,740	3.8
Taxi drivers and chauffeurs	11.61	8.8	450	8.4	23,312	8.4
Railroad brake, signal, and switch operators	29.32	3.0	1,173	3.0	60,993	3.0
Railroad conductors and yardmasters	33.21	4.7	1,328	4.7	69,068	4.7
Sailors and marine oilers	12.63	4.9	599	5.0	29,739	5.0
Ship and boat captains and operators	20.16	26.5	1,081	36.8	47,550	36.8
Captains, mates, and pilots of water vessels	20.16	26.5	1,081	36.8	47,550	36.8
Ship engineers	30.16	17.3	1,322	4.7	59,047	4.7
Parking lot attendants	7.55	5.0	300	5.1	15,605	5.1
Service station attendants	9.73	10.4	389	10.4	20,233	10.4
Transportation inspectors	24.22	9.3	985	8.6	51,218	8.6
Conveyor operators and tenders	19.65	13.4	786	13.4	40,870	13.4
Crane and tower operators	20.11	8.4	803	8.4	41,768	8.4
Dredge, excavating, and loading machine operators	16.44	6.2	657	6.2	33,975	6.2
Excavating and loading machine and dragline operators	15.97	6.8	639	6.8	32,991	6.8
Industrial truck and tractor operators	14.72	2.4	587	2.4	30,330	2.4

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
Laborers and material movers, hand	\$11.83	1.6%	\$470	1.6%	\$24,304	1.6%
Cleaners of vehicles and equipment	11.84	4.4	475	4.3	24,591	4.3
Laborers and freight, stock, and material movers, hand	12.52	2.0	498	2.1	25,674	2.1
Machine feeders and offbearers	12.12	3.8	481	3.7	24,949	3.7
Packers and packagers, hand	10.25	2.6	406	2.6	21,047	2.6
Refuse and recyclable material collectors	10.86	16.2	511	10.8	26,577	10.8
Tank car, truck, and ship loaders	22.20	10.3	936	8.9	46,388	8.9

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.