

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	\$23.25	1.8%	\$923	1.8%	\$47,690	1.8%
Management occupations	49.97	2.0	2,020	2.0	104,991	2.0
Chief executives	180.11	40.6	8,065	40.6	419,398	40.6
General and operations managers	61.75	5.1	2,551	5.4	132,642	5.4
Advertising and promotions managers	39.59	10.6	1,639	10.6	85,251	10.6
Marketing and sales managers	51.17	3.0	2,078	3.0	108,052	3.0
Marketing managers	53.45	3.0	2,147	3.0	111,669	3.0
Sales managers	47.53	5.5	1,964	5.7	102,123	5.7
Public relations managers	42.93	27.7	1,682	27.2	87,475	27.2
Administrative services managers	37.00	4.9	1,485	5.2	77,196	5.2
Computer and information systems managers	55.98	2.7	2,267	2.6	117,874	2.6
Financial managers	52.26	2.6	2,105	2.7	109,477	2.7
Human resources managers	44.62	4.1	1,784	3.9	92,763	3.9
Compensation and benefits managers	43.32	6.3	1,741	6.0	90,535	6.0
Training and development managers	39.67	9.1	1,597	7.9	83,065	7.9
Industrial production managers	44.05	3.7	1,798	3.6	93,469	3.6
Purchasing managers	48.26	4.8	1,942	4.9	100,962	4.9
Transportation, storage, and distribution managers	42.66	6.2	1,722	6.4	89,530	6.4
Construction managers	39.66	5.0	1,627	5.2	84,593	5.2
Education administrators	38.23	4.6	1,466	4.4	75,603	4.4
Education administrators, preschool and child care center/program	23.45	10.0	898	11.9	45,356	11.9
Education administrators, elementary and secondary school	37.52	7.2	1,528	7.1	78,301	7.1
Education administrators, postsecondary ..	40.06	5.3	1,519	4.9	78,516	4.9
Engineering managers	58.19	2.2	2,349	2.1	122,140	2.1
Food service managers	28.07	7.8	1,191	8.4	61,929	8.4
Lodging managers	29.32	30.1	1,266	27.4	65,834	27.4
Medical and health services managers	42.26	3.0	1,707	3.2	88,746	3.2
Natural sciences managers	39.98	18.8	1,565	20.4	81,396	20.4
Property, real estate, and community association managers	28.07	15.9	1,114	15.4	57,918	15.4
Social and community service managers	28.07	5.6	1,094	5.6	56,807	5.6
Business and financial operations occupations	32.22	1.4	1,287	1.4	66,898	1.4
Buyers and purchasing agents	29.72	2.8	1,206	3.2	62,697	3.2
Purchasing agents and buyers, farm products	28.24	11.8	1,129	11.8	58,729	11.8
Wholesale and retail buyers, except farm products	28.87	4.3	1,160	4.3	60,330	4.3

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
Business and financial operations occupations –Continued						
Purchasing agents, except wholesale, retail, and farm products	\$30.13	4.1%	\$1,228	4.7%	\$63,857	4.7%
Claims adjusters, appraisers, examiners, and investigators	25.87	2.6	1,009	2.5	52,463	2.5
Claims adjusters, examiners, and investigators	25.76	2.8	1,004	2.8	52,213	2.8
Insurance appraisers, auto damage	28.22	11.6	1,106	13.0	57,503	13.0
Compliance officers, except agriculture, construction, health and safety, and transportation	32.16	15.7	1,347	13.6	70,025	13.6
Cost estimators	34.90	3.9	1,411	4.0	73,362	4.0
Human resources, training, and labor relations specialists	29.97	2.6	1,191	2.8	61,898	2.8
Employment, recruitment, and placement specialists	28.76	4.4	1,141	5.0	59,287	5.0
Compensation, benefits, and job analysis specialists	27.50	3.5	1,091	3.3	56,715	3.3
Training and development specialists	29.56	3.8	1,176	3.9	61,142	3.9
Logisticians	33.20	7.1	1,327	7.1	68,976	7.1
Management analysts	38.05	3.5	1,518	3.5	78,930	3.5
Meeting and convention planners	24.19	8.1	963	7.9	50,092	7.9
Accountants and auditors	29.25	2.9	1,165	2.9	60,586	2.9
Budget analysts	35.08	5.2	1,414	6.0	73,536	6.0
Credit analysts	28.46	6.9	1,127	6.9	58,622	6.9
Financial analysts and advisors	36.44	3.1	1,462	3.1	76,028	3.1
Financial analysts	37.94	3.5	1,534	3.6	79,752	3.6
Personal financial advisors	31.64	10.1	1,258	10.1	65,392	10.1
Insurance underwriters	34.01	7.2	1,338	7.5	69,583	7.5
Financial examiners	28.17	6.6	1,108	7.1	57,622	7.1
Loan counselors and officers	31.00	5.9	1,255	6.3	65,249	6.3
Loan counselors	30.08	25.4	1,198	25.4	62,322	25.4
Loan officers	31.09	6.1	1,260	6.6	65,523	6.6
Computer and mathematical science occupations						
Computer and information scientists, research	50.22	9.9	2,009	9.9	104,454	9.9
Computer programmers	35.76	4.6	1,425	4.5	74,074	4.5
Computer software engineers	43.94	1.5	1,782	1.5	92,666	1.5
Computer software engineers, applications	42.84	3.0	1,749	2.9	90,964	2.9

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 software engineers, systems software	\$44.84	2.0%	\$1,808	2.0%	\$94,032	2.0%
Computer support specialists	26.80	4.0	1,066	4.0	55,339	4.0
Computer systems analysts	38.33	1.2	1,530	1.2	79,552	1.2
Database administrators	38.89	4.9	1,539	5.1	80,014	5.1
Network and computer systems administrators	34.69	3.5	1,388	3.4	72,086	3.4
Network systems and data communications analysts	37.14	5.5	1,479	5.5	76,925	5.5
Actuaries	40.41	5.3	1,592	5.1	82,795	5.1
Operations research analysts	35.21	5.5	1,377	5.6	71,611	5.6
Statisticians	43.78	10.8	1,725	10.9	89,680	10.9
Architecture and engineering occupations						
Architects, except naval	37.21	7.2	1,533	7.3	79,698	7.3
Architects, except landscape and naval	38.09	7.0	1,561	7.6	81,161	7.6
Engineers	42.17	1.3	1,704	1.3	88,600	1.3
Aerospace engineers	52.02	3.9	2,087	3.9	108,539	3.9
Chemical engineers	45.20	7.9	1,823	8.1	94,799	8.1
Civil engineers	37.66	4.0	1,526	3.9	79,360	3.9
Computer hardware engineers	43.41	3.7	1,767	3.6	91,885	3.6
Electrical and electronics engineers	42.55	2.2	1,717	2.1	89,289	2.1
Electrical engineers	43.31	3.4	1,757	2.9	91,386	2.9
Electronics engineers, except computer	41.81	2.7	1,678	2.7	87,278	2.7
Environmental engineers	43.95	5.9	1,758	5.9	91,411	5.9
Industrial engineers, including health and safety	36.97	2.7	1,511	2.5	78,578	2.5
Health and safety engineers, except mining safety engineers and inspectors	40.27	9.3	1,641	9.5	85,290	9.5
Industrial engineers	36.26	2.4	1,483	2.2	77,116	2.2
Materials engineers	37.40	9.7	1,530	8.3	79,556	8.3
Mechanical engineers	37.19	2.4	1,515	2.7	78,699	2.7
Nuclear engineers	42.21	5.4	1,688	5.4	87,800	5.4
Petroleum engineers	56.90	18.1	2,276	18.1	118,348	18.1
Drafters	28.49	5.1	1,138	5.2	59,202	5.2
Architectural and civil drafters	27.82	8.3	1,113	8.3	57,874	8.3
Electrical and electronics drafters	25.80	6.1	1,032	6.1	53,658	6.1
Mechanical drafters	24.98	5.9	999	5.9	51,967	5.9
Engineering technicians, except drafters	25.51	4.7	1,021	4.7	52,878	4.7

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
Architecture and engineering occupations						
–Continued						
Aerospace engineering and operations technicians	\$29.87	2.9%	\$1,195	2.9%	\$62,140	2.9%
Civil engineering technicians	23.35	11.3	934	11.3	48,577	11.3
Electrical and electronic engineering technicians	23.25	8.4	930	8.4	48,359	8.4
Electro-mechanical technicians	26.53	4.6	1,061	4.6	55,189	4.6
Industrial engineering technicians	25.92	4.8	1,040	4.9	54,087	4.9
Mechanical engineering technicians	22.79	6.7	916	6.8	47,607	6.8
Surveying and mapping technicians	34.94	15.8	1,397	15.8	72,240	15.8
Life, physical, and social science occupations	33.62	3.7	1,335	3.6	69,197	3.6
Life scientists	36.49	7.9	1,422	7.9	73,965	7.9
Agricultural and food scientists	44.45	19.2	1,738	19.7	90,389	19.7
Biological scientists	33.43	6.5	1,311	6.9	68,165	6.9
Biochemists and biophysicists	37.10	8.7	1,459	9.0	75,887	9.0
Medical scientists	38.25	13.2	1,496	12.9	77,773	12.9
Physical scientists	42.16	4.9	1,695	4.4	87,656	4.4
Astronomers and physicists	57.40	13.0	2,222	11.1	115,542	11.1
Physicists	57.32	13.5	2,216	11.6	115,235	11.6
Chemists and materials scientists	42.39	7.6	1,717	8.0	89,282	8.0
Chemists	41.20	10.0	1,673	10.4	86,981	10.4
Materials scientists	45.60	7.3	1,836	7.3	95,473	7.3
Environmental scientists and geoscientists	38.41	10.0	1,598	10.0	83,109	10.0
Environmental scientists and specialists, including health	37.59	8.6	1,580	8.8	82,161	8.8
Geoscientists, except hydrologists and geographers	45.87	27.3	1,835	27.3	95,401	27.3
Market and survey researchers	38.17	6.6	1,552	7.0	80,690	7.0
Market research analysts	38.44	6.9	1,564	7.3	81,316	7.3
Psychologists	28.14	20.1	1,096	18.9	54,531	18.9
Clinical, counseling, and school psychologists	29.81	20.6	1,156	19.4	57,105	19.4
Miscellaneous social scientists and related workers	39.30	6.1	1,513	6.9	78,681	6.9
Agricultural and food science technicians	19.85	8.4	790	8.1	41,058	8.1
Biological technicians	20.92	4.6	825	4.6	42,913	4.6
Chemical technicians	22.47	4.4	902	4.7	46,803	4.7
Nuclear technicians	36.70	4.0	1,468	4.0	76,345	4.0
Miscellaneous life, physical, and social science technicians	23.28	11.1	924	11.3	48,062	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
Community and social services occupations	\$18.43	3.1%	\$722	3.1%	\$37,428	3.1%
Counselors	17.12	6.4	675	6.0	34,944	6.0
Substance abuse and behavioral disorder counselors	15.51	10.5	629	8.7	32,299	8.7
Educational, vocational, and school counselors	19.79	6.4	767	5.9	39,544	5.9
Mental health counselors	19.11	7.0	757	7.1	39,361	7.1
Rehabilitation counselors	15.84	6.9	624	7.4	32,425	7.4
Social workers	20.86	2.7	817	2.7	42,315	2.7
Child, family, and school social workers ..	18.25	5.0	703	3.1	36,019	3.1
Medical and public health social workers	25.69	3.6	1,005	3.6	52,242	3.6
Mental health and substance abuse social workers	17.08	2.8	678	2.8	35,279	2.8
Miscellaneous community and social service specialists	14.68	4.3	573	4.8	29,706	4.8
Social and human service assistants	12.70	4.7	498	4.6	25,748	4.6
Clergy	22.12	8.6	854	10.5	44,387	10.5
Directors, religious activities and education	32.33	15.3	1,247	17.7	64,860	17.7
Legal occupations	57.47	4.9	2,289	4.8	118,873	4.8
Lawyers	74.98	4.6	3,024	4.4	157,245	4.4
Paralegals and legal assistants	30.49	3.8	1,185	4.3	61,619	4.3
Miscellaneous legal support workers	22.63	9.8	897	9.6	45,894	9.6
Title examiners, abstractors, and searchers	25.81	9.2	1,033	9.2	53,693	9.2
Education, training, and library occupations	38.53	5.8	1,484	5.7	64,692	5.7
Postsecondary teachers	50.47	4.1	1,970	4.1	82,575	4.1
Business teachers, postsecondary	61.09	9.6	2,360	8.7	91,939	8.7
Math and computer teachers, postsecondary	47.09	9.6	1,840	9.2	71,853	9.2
Computer science teachers, postsecondary	53.66	14.9	2,045	16.2	92,813	16.2
Mathematical science teachers, postsecondary	45.11	10.7	1,776	10.1	66,463	10.1
Engineering and architecture teachers, postsecondary	74.52	9.2	2,921	8.7	110,987	8.7
Engineering teachers, postsecondary	75.95	9.0	2,974	8.5	113,424	8.5
Life sciences teachers, postsecondary	57.41	12.0	2,417	12.2	110,603	12.2
Biological science teachers, postsecondary	57.41	12.0	2,417	12.2	110,603	12.2
Physical sciences teachers, postsecondary	57.57	8.4	2,198	8.0	89,764	8.0
Chemistry teachers, postsecondary	53.53	6.3	1,969	5.6	73,387	5.6
Physics teachers, postsecondary	65.52	14.3	2,540	12.1	113,595	12.1

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
Education, training, and library occupations						
–Continued						
Social sciences teachers, postsecondary	\$48.30	5.6%	\$1,837	5.3%	\$72,978	5.3%
Economics teachers, postsecondary	62.19	11.5	2,249	8.9	80,562	8.9
Psychology teachers, postsecondary	47.08	8.8	1,846	8.1	72,610	8.1
Sociology teachers, postsecondary	54.47	16.8	2,027	15.4	76,248	15.4
Health teachers, postsecondary	68.67	7.1	2,699	7.3	119,096	7.3
Health specialties teachers, postsecondary	78.97	6.7	3,101	7.3	133,249	7.3
Nursing instructors and teachers, postsecondary	35.76	1.6	1,410	1.5	68,086	1.5
Education and library science teachers, postsecondary	38.79	7.2	1,523	7.1	59,030	7.1
Education teachers, postsecondary	38.69	7.2	1,520	7.2	58,967	7.2
Law, criminal justice, and social work teachers, postsecondary	67.54	15.0	2,582	14.2	105,904	14.2
Law teachers, postsecondary	87.37	9.0	3,381	4.8	131,514	4.8
Arts, communications, and humanities teachers, postsecondary	42.53	4.2	1,631	4.2	63,112	4.2
Art, drama, and music teachers, postsecondary	38.40	6.0	1,463	7.5	55,917	7.5
Communications teachers, postsecondary	45.76	24.6	1,774	23.5	66,688	23.5
English language and literature teachers, postsecondary	46.51	7.1	1,794	6.0	72,089	6.0
Foreign language and literature teachers, postsecondary	49.96	7.1	1,834	8.0	68,690	8.0
History teachers, postsecondary	44.65	9.1	1,758	8.3	67,737	8.3
Philosophy and religion teachers, postsecondary	40.63	7.8	1,579	6.4	62,525	6.4
Miscellaneous postsecondary teachers	38.95	8.8	1,512	8.4	69,287	8.4
Primary, secondary, and special education school teachers	29.47	9.4	1,126	8.6	45,310	8.6
Preschool and kindergarten teachers	15.19	9.2	575	8.9	28,100	8.9
Preschool teachers, except special education	14.82	9.1	562	8.9	27,774	8.9
Elementary and middle school teachers	31.48	5.1	1,207	4.7	45,165	4.7
Elementary school teachers, except special education	29.02	5.8	1,108	5.3	41,575	5.3
Middle school teachers, except special and vocational education	34.62	4.6	1,335	4.2	49,750	4.2
Secondary school teachers	35.67	10.7	1,376	9.1	52,318	9.1

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
Education, training, and library occupations –Continued						
Secondary school teachers, except special and vocational education	\$36.28	10.6%	\$1,398	9.0%	\$52,722	9.0%
Special education teachers	29.73	19.4	1,097	17.7	46,926	17.7
Special education teachers, preschool, kindergarten, and elementary school	26.48	8.9	1,009	7.6	44,483	7.6
Other teachers and instructors	31.15	16.9	1,199	17.1	59,518	17.1
Adult literacy, remedial education, and GED teachers and instructors	24.39	11.9	934	12.5	42,484	12.5
Librarians	34.49	11.3	1,285	11.8	65,346	11.8
Library technicians	19.28	9.5	751	9.9	38,823	9.9
Instructional coordinators	31.94	5.8	1,238	4.3	63,863	4.3
Teacher assistants	11.39	3.5	437	4.6	21,447	4.6
Arts, design, entertainment, sports, and media occupations	29.51	2.4	1,160	2.4	59,465	2.4
Artists and related workers	32.02	10.2	1,287	9.6	66,766	9.6
Art directors	36.54	9.2	1,454	8.0	75,604	8.0
Multi-media artists and animators	30.43	14.4	1,272	12.2	66,167	12.2
Designers	27.10	4.1	1,070	4.2	55,636	4.2
Commercial and industrial designers	36.28	4.4	1,451	4.4	75,471	4.4
Graphic designers	24.13	4.7	948	4.7	49,288	4.7
Interior designers	27.86	5.8	1,100	4.4	57,193	4.4
Actors, producers, and directors	34.96	8.8	1,392	8.3	72,250	8.3
Producers and directors	35.80	9.0	1,425	8.5	73,962	8.5
Athletes, coaches, umpires, and related workers	23.58	5.7	918	6.3	44,533	6.3
Coaches and scouts	23.70	5.9	912	6.3	43,866	6.3
Musicians, singers, and related workers	37.48	10.6	1,412	6.4	55,766	6.4
Musicians and singers	38.03	12.8	1,455	8.7	58,082	8.7
Announcers	59.98	23.7	2,399	23.7	124,757	23.7
Radio and television announcers	59.98	23.7	2,399	23.7	124,757	23.7
News analysts, reporters and correspondents	42.30	12.0	1,638	11.9	84,572	11.9
Reporters and correspondents	36.80	6.5	1,422	6.3	73,362	6.3
Public relations specialists	30.40	7.1	1,187	7.1	61,722	7.1
Writers and editors	28.24	4.9	1,108	4.4	57,317	4.4
Editors	27.60	7.4	1,057	6.5	54,961	6.5
Technical writers	30.20	5.1	1,218	5.2	63,320	5.2
Writers and authors	21.73	8.7	866	8.6	42,189	8.6
Miscellaneous media and communication workers	23.24	4.5	913	3.1	47,201	3.1

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
Arts, design, entertainment, sports, and media occupations –Continued						
Broadcast and sound engineering technicians and radio operators	\$26.85	8.5%	\$1,053	9.1%	\$54,769	9.1%
Audio and video equipment technicians	26.42	17.8	1,058	17.8	54,996	17.8
Broadcast technicians	26.86	7.0	1,033	8.9	53,729	8.9
Photographers	18.99	13.5	753	13.2	32,322	13.2
Television, video, and motion picture camera operators and editors	27.98	8.5	1,095	8.5	56,942	8.5
Camera operators, television, video, and motion picture	27.77	14.3	1,111	14.3	57,758	14.3
Healthcare practitioner and technical occupations						
Dietitians and nutritionists	29.49	1.7	1,152	1.7	59,876	1.7
Pharmacists	25.06	5.9	994	6.1	51,668	6.1
Physicians and surgeons	51.50	.7	2,045	.7	106,363	.7
Family and general practitioners	68.63	6.8	2,718	6.9	141,330	6.9
Internists, general	74.59	15.9	2,954	17.0	153,617	17.0
Pediatricians, general	73.48	32.0	2,826	33.0	146,943	33.0
Psychiatrists	71.74	5.1	2,912	5.8	151,424	5.8
Physician assistants	80.19	3.1	2,770	3.5	144,037	3.5
Registered nurses	42.26	2.5	1,669	2.8	86,769	2.8
Therapists	32.12	.9	1,238	1.0	64,337	1.0
Occupational therapists	28.52	3.4	1,123	3.2	58,123	3.2
Physical therapists	31.58	3.6	1,245	3.6	64,753	3.6
Radiation therapists	31.68	7.7	1,250	7.2	64,602	7.2
Recreational therapists	34.77	8.2	1,375	7.8	71,524	7.8
Respiratory therapists	18.21	6.2	721	6.3	37,479	6.3
Speech-language pathologists	24.86	2.3	979	2.3	50,912	2.3
Clinical laboratory technologists and technicians	34.45	7.0	1,296	9.2	62,183	9.2
Medical and clinical laboratory technologists	20.69	2.3	821	2.3	42,689	2.3
Medical and clinical laboratory technicians	25.64	2.8	1,017	2.8	52,904	2.8
Diagnostic related technologists and technicians	16.90	2.4	671	2.3	34,868	2.3
Cardiovascular technologists and technicians	27.19	2.4	1,072	2.4	55,727	2.4
Diagnostic medical sonographers	27.33	10.2	1,086	10.3	56,482	10.3
Nuclear medicine technologists	32.39	3.4	1,276	3.7	66,329	3.7
Radiologic technologists and technicians ..	35.23	5.0	1,392	5.5	72,385	5.5
	25.64	2.6	1,009	2.6	52,467	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
Healthcare practitioner and technical occupations –Continued						
Emergency medical technicians and paramedics	\$15.57	8.9%	\$644	8.1%	\$33,409	8.1%
Health diagnosing and treating practitioner support technicians	17.35	2.0	684	2.0	35,532	2.0
Pharmacy technicians	15.38	2.1	608	1.9	31,632	1.9
Psychiatric technicians	14.53	11.2	575	11.3	29,885	11.3
Respiratory therapy technicians	22.54	2.9	866	3.1	45,022	3.1
Surgical technologists	19.33	3.1	763	3.1	39,674	3.1
Licensed practical and licensed vocational nurses	19.89	1.1	774	1.2	40,257	1.2
Medical records and health information technicians	16.39	6.8	648	6.7	33,704	6.7
Miscellaneous health technologists and technicians	19.42	6.5	774	6.6	40,254	6.6
Occupational health and safety specialists and technicians	27.98	5.4	1,129	5.3	58,693	5.3
Occupational health and safety specialists	27.91	8.3	1,132	8.3	58,861	8.3
Miscellaneous healthcare practitioner and technical workers	23.86	5.8	946	5.4	45,509	5.4
Healthcare support occupations	12.48	1.2	484	1.3	25,190	1.3
Nursing, psychiatric, and home health aides	11.77	1.2	454	1.4	23,594	1.4
Home health aides	10.31	3.8	385	5.5	20,012	5.5
Nursing aides, orderlies, and attendants	12.12	1.2	470	1.2	24,443	1.2
Psychiatric aides	10.94	4.1	430	3.8	22,356	3.8
Occupational therapist assistants and aides ...	16.47	12.4	655	12.5	34,051	12.5
Occupational therapist assistants	17.35	16.0	688	16.0	35,766	16.0
Physical therapist assistants and aides	16.39	6.4	650	6.7	33,810	6.7
Physical therapist assistants	20.77	5.6	829	5.6	43,093	5.6
Physical therapist aides	13.25	10.9	523	11.0	27,218	11.0
Miscellaneous healthcare support occupations	14.34	1.8	568	1.8	29,523	1.8
Medical assistants	14.91	3.0	590	3.0	30,664	3.0
Medical equipment preparers	14.74	3.7	585	3.7	30,405	3.7
Medical transcriptionists	15.47	3.0	610	3.0	31,715	3.0
Pharmacy aides	12.29	11.2	491	11.2	25,556	11.2
Veterinary assistants and laboratory animal caretakers	14.71	8.9	580	8.3	30,166	8.3
Protective service occupations	12.42	2.9	493	2.9	24,750	2.9
Police officers	19.81	4.0	789	4.2	41,051	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
Protective service occupations –Continued						
Police and sheriff's patrol officers	\$19.81	4.0%	\$789	4.2%	\$41,051	4.2%
Security guards and gaming surveillance officers	11.67	2.4	463	2.4	24,040	2.4
Security guards	11.61	2.5	460	2.5	23,927	2.5
Miscellaneous protective service workers	11.75	12.9	447	12.6	11,184	12.6
Lifeguards, ski patrol, and other recreational protective service workers	8.72	7.7	343	6.8	6,148	6.8
Food preparation and serving related occupations	10.33	3.6	402	3.4	20,745	3.4
First-line supervisors/managers, food preparation and serving workers	17.75	3.4	718	3.4	36,895	3.4
Chefs and head cooks	19.62	7.4	806	7.1	40,997	7.1
First-line supervisors/managers of food preparation and serving workers	17.39	3.7	702	3.7	36,118	3.7
Cooks	12.45	1.5	489	1.6	25,332	1.6
Cooks, fast food	11.65	9.8	451	11.7	23,457	11.7
Cooks, institution and cafeteria	13.06	2.4	514	2.6	26,501	2.6
Cooks, restaurant	12.13	2.3	476	2.3	24,723	2.3
Cooks, short order	10.81	3.8	417	4.5	21,710	4.5
Food preparation workers	11.11	2.1	441	2.2	22,597	2.2
Food service, tipped	6.34	3.9	242	3.6	12,459	3.6
Bartenders	8.03	5.5	307	6.8	15,644	6.8
Waiters and waitresses	5.47	4.8	208	5.8	10,778	5.8
Dining room and cafeteria attendants and bartender helpers	7.98	4.6	307	5.2	15,664	5.2
Fast food and counter workers	10.54	2.5	408	2.6	20,912	2.6
Combined food preparation and serving workers, including fast food	10.70	3.2	413	3.3	21,138	3.3
Counter attendants, cafeteria, food concession, and coffee shop	9.91	4.6	388	4.4	20,017	4.4
Food servers, nonrestaurant	10.00	5.6	387	5.3	20,144	5.3
Dishwashers	9.55	3.2	377	3.1	19,536	3.1
Hosts and hostesses, restaurant, lounge, and coffee shop	9.55	9.7	356	10.7	18,534	10.7
Building and grounds cleaning and maintenance occupations	11.88	4.9	469	4.9	24,264	4.9
First-line supervisors/managers, building and grounds cleaning and maintenance workers	18.26	10.6	736	10.7	38,248	10.7

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
Building and grounds cleaning and maintenance occupations –Continued						
First-line supervisors/managers of housekeeping and janitorial workers ...	\$16.82	7.2%	\$676	7.4%	\$35,136	7.4%
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	28.58	26.9	1,170	26.6	60,849	26.6
Building cleaning workers	11.55	5.2	456	5.2	23,594	5.2
Janitors and cleaners, except maids and housekeeping cleaners	12.18	5.0	482	5.0	24,976	5.0
Maids and housekeeping cleaners	9.99	4.9	392	4.7	20,259	4.7
Grounds maintenance workers	11.00	3.0	434	2.8	22,076	2.8
Landscaping and groundskeeping workers	10.95	2.8	432	2.6	21,942	2.6
Personal care and service occupations	11.51	13.6	428	9.9	21,799	9.9
First-line supervisors/managers of gaming workers	14.79	2.8	598	2.7	31,102	2.7
Gaming supervisors	16.99	7.1	692	7.9	36,003	7.9
Slot key persons	11.58	2.0	463	2.0	24,064	2.0
First-line supervisors/managers of personal service workers	16.85	5.1	692	5.8	35,161	5.8
Nonfarm animal caretakers	13.99	7.7	550	7.4	28,611	7.4
Gaming services workers	6.76	5.5	269	4.6	13,979	4.6
Gaming dealers	6.62	2.8	263	2.1	13,685	2.1
Ushers, lobby attendants, and ticket takers ...	9.24	9.1	370	9.1	18,835	9.1
Miscellaneous entertainment attendants and related workers	10.66	4.8	420	4.9	17,485	4.9
Amusement and recreation attendants	10.54	6.3	415	6.8	15,858	6.8
Locker room, coatroom, and dressing room attendants	10.81	10.3	426	9.6	22,157	9.6
Baggage porters, bellhops, and concierges ...	9.17	5.9	358	6.1	18,596	6.1
Baggage porters and bellhops	7.80	5.8	304	6.5	15,788	6.5
Concierges	12.69	7.8	497	7.8	25,855	7.8
Tour and travel guides	15.79	11.4	632	11.4	24,309	11.4
Transportation attendants	34.53	3.9	704	2.9	36,544	2.9
Flight attendants	36.23	2.9	713	2.9	37,085	2.9
Transportation attendants, except flight attendants and baggage porters	11.13	14.7	445	14.7	22,128	14.7
Child care workers	11.07	4.0	434	4.0	21,877	4.0
Personal and home care aides	9.67	2.0	380	1.9	19,765	1.9
Recreation and fitness workers	13.88	7.3	548	7.2	21,849	7.2
Fitness trainers and aerobics instructors	17.31	17.5	674	16.4	35,041	16.4
Recreation workers	12.53	6.3	497	6.1	18,131	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
Personal care and service occupations –Continued						
Residential advisors	\$11.62	11.3%	\$464	10.9%	\$23,196	10.9%
Sales and related occupations	20.47	3.1	816	3.2	42,324	3.2
First-line supervisors/managers, sales workers	23.16	3.5	939	3.8	48,810	3.8
First-line supervisors/managers of retail sales workers	20.25	3.6	818	3.8	42,545	3.8
First-line supervisors/managers of non-retail sales workers	31.28	8.1	1,277	8.7	66,404	8.7
Retail sales workers	12.86	1.7	509	1.8	26,389	1.8
Cashiers, all workers	11.51	2.2	456	2.3	23,565	2.3
Cashiers	11.27	1.3	446	1.4	23,015	1.4
Gaming change persons and booth cashiers	12.84	6.5	513	6.6	26,689	6.6
Counter and rental clerks and parts salespersons	16.46	6.9	669	7.3	34,804	7.3
Counter and rental clerks	14.28	12.0	570	12.0	29,646	12.0
Parts salespersons	18.27	5.5	754	6.3	39,225	6.3
Retail salespersons	13.48	2.2	533	2.4	27,637	2.4
Advertising sales agents	24.83	7.2	988	7.3	51,370	7.3
Insurance sales agents	25.84	11.1	1,041	11.2	54,122	11.2
Securities, commodities, and financial services sales agents	65.31	10.3	2,610	10.6	135,734	10.6
Travel agents	15.54	9.2	613	9.0	31,892	9.0
Sales representatives, wholesale and manufacturing	34.56	3.3	1,405	3.3	73,082	3.3
Sales representatives, wholesale and manufacturing, technical and scientific products	43.59	3.9	1,745	3.8	90,728	3.8
Sales representatives, wholesale and manufacturing, except technical and scientific products	30.77	4.5	1,260	4.5	65,504	4.5
Models, demonstrators, and product promoters	15.92	8.9	636	8.9	32,448	8.9
Demonstrators and product promoters	15.92	8.9	636	8.9	32,448	8.9
Real estate brokers and sales agents	24.60	23.0	978	22.8	50,850	22.8
Real estate sales agents	23.82	25.7	953	25.7	49,547	25.7
Sales engineers	39.06	7.4	1,606	8.1	83,505	8.1
Telemarketers	12.38	6.3	491	6.4	25,538	6.4
Miscellaneous sales and related workers	18.91	7.8	746	8.1	38,268	8.1

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
Office and administrative support occupations	\$16.39	0.8%	\$649	0.8%	\$33,703	0.8%
First-line supervisors/managers of office and administrative support workers	24.21	2.1	966	2.2	50,191	2.2
Switchboard operators, including answering service	12.54	3.9	491	3.8	25,536	3.8
Telephone operators	13.59	8.5	534	7.6	27,789	7.6
Financial clerks	15.74	1.7	624	1.6	32,425	1.6
Bill and account collectors	15.17	6.2	601	6.1	31,274	6.1
Billing and posting clerks and machine operators	15.97	1.9	631	1.8	32,812	1.8
Bookkeeping, accounting, and auditing clerks	16.13	1.5	638	1.4	33,160	1.4
Payroll and timekeeping clerks	18.51	1.9	734	1.8	38,166	1.8
Procurement clerks	16.96	3.9	678	3.9	35,269	3.9
Tellers	12.61	1.6	503	1.7	26,131	1.7
Brokerage clerks	19.67	4.1	778	4.2	40,454	4.2
Correspondence clerks	17.36	4.7	695	4.7	36,119	4.7
Credit authorizers, checkers, and clerks	16.30	6.3	652	6.3	33,908	6.3
Customer service representatives	15.76	2.2	626	2.2	32,536	2.2
Eligibility interviewers, government programs	18.07	6.9	698	7.2	36,316	7.2
File clerks	13.79	5.0	546	5.3	28,406	5.3
Hotel, motel, and resort desk clerks	10.69	2.2	425	2.3	22,098	2.3
Interviewers, except eligibility and loan	14.10	3.2	556	2.9	28,894	2.9
Library assistants, clerical	14.63	5.6	553	6.5	27,064	6.5
Loan interviewers and clerks	16.27	3.4	649	3.4	33,746	3.4
New accounts clerks	15.37	3.6	615	3.6	31,978	3.6
Order clerks	15.68	5.0	624	5.0	32,090	5.0
Human resources assistants, except payroll and timekeeping	17.80	2.7	711	2.6	36,935	2.6
Receptionists and information clerks	13.48	1.9	529	1.9	27,379	1.9
Reservation and transportation ticket agents and travel clerks	15.53	4.4	616	4.7	32,026	4.7
Cargo and freight agents	24.12	23.5	964	23.5	50,131	23.5
Couriers and messengers	12.49	3.4	489	3.9	25,444	3.9
Dispatchers	19.60	3.8	792	3.8	40,938	3.8
Police, fire, and ambulance dispatchers	15.99	8.8	636	8.4	32,896	8.4
Dispatchers, except police, fire, and ambulance	19.99	4.1	809	4.0	41,820	4.0
Meter readers, utilities	18.59	5.8	744	5.8	38,675	5.8
Production, planning, and expediting clerks	20.15	2.5	801	2.5	41,667	2.5
Shipping, receiving, and traffic clerks	13.28	1.7	530	1.7	27,577	1.7

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
Office and administrative support occupations –Continued						
Stock clerks and order fillers	\$13.30	1.9%	\$529	2.0%	\$27,483	2.0%
Weighers, measurers, checkers, and samplers, recordkeeping	16.26	7.6	649	7.6	33,743	7.6
Secretaries and administrative assistants	20.33	1.6	797	1.6	41,390	1.6
Executive secretaries and administrative assistants	22.59	1.5	890	1.5	46,275	1.5
Legal secretaries	28.48	4.3	1,068	3.6	55,542	3.6
Medical secretaries	14.85	3.2	586	3.0	30,491	3.0
Secretaries, except legal, medical, and executive	17.54	1.8	688	1.8	35,638	1.8
Computer operators	17.20	4.0	688	4.0	35,757	4.0
Data entry and information processing workers	14.51	3.9	573	3.7	29,688	3.7
Data entry keyers	13.33	2.0	527	2.0	27,300	2.0
Word processors and typists	19.65	8.7	771	7.9	40,075	7.9
Desktop publishers	20.17	12.4	791	11.2	41,141	11.2
Insurance claims and policy processing clerks	15.81	2.1	623	2.0	32,371	2.0
Mail clerks and mail machine operators, except postal service	12.75	4.5	502	4.3	26,100	4.3
Office clerks, general	15.11	1.5	596	1.5	30,993	1.5
Office machine operators, except computer ..	13.19	6.0	519	5.4	26,303	5.4
Proofreaders and copy markers	13.49	7.0	539	7.0	28,051	7.0
Statistical assistants	19.92	7.3	779	6.5	40,521	6.5
Farming, fishing, and forestry occupations ..						
Graders and sorters, agricultural products	10.83	13.7	429	12.9	21,127	12.9
Miscellaneous agricultural workers	10.21	12.2	407	12.1	16,989	12.1
Farmworkers and laborers, crop, nursery, and greenhouse	9.33	11.9	371	11.8	13,817	11.8
Construction and extraction occupations						
First-line supervisors/managers of construction trades and extraction workers	24.03	3.0	963	3.1	49,430	3.1
Boilermakers	29.62	3.0	1,223	3.0	63,165	3.0
Brickmasons, blockmasons, and stonemasons	18.48	14.1	739	14.1	38,446	14.1
Brickmasons and blockmasons	25.47	16.8	1,016	16.8	52,480	16.8
Carpenters	25.47	16.8	1,016	16.8	52,480	16.8
Carpet, floor, and tile installers and finishers	24.29	6.9	970	6.9	49,313	6.9
	26.02	27.2	1,041	27.2	54,126	27.2

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
Construction and extraction occupations						
–Continued						
Cement masons, concrete finishers, and terrazzo workers	\$21.58	8.5%	\$863	8.5%	\$44,668	8.5%
Cement masons and concrete finishers	21.58	8.5	863	8.5	44,668	8.5
Construction laborers	17.86	8.0	714	8.0	35,914	8.0
Construction equipment operators	20.20	6.7	808	6.7	41,600	6.7
Paving, surfacing, and tamping equipment operators	13.64	3.8	545	3.8	28,364	3.8
Operating engineers and other construction equipment operators	21.21	6.7	849	6.7	43,624	6.7
Drywall installers, ceiling tile installers, and tapers	22.12	12.3	875	11.3	45,249	11.3
Drywall and ceiling tile installers	22.26	12.2	878	11.1	45,294	11.1
Tapers	21.96	14.5	871	13.8	45,193	13.8
Electricians	28.47	6.3	1,126	5.9	58,516	5.9
Insulation workers	23.44	10.9	938	10.9	48,387	10.9
Painters and paperhangers	19.79	5.6	787	5.6	40,937	5.6
Painters, construction and maintenance	19.68	6.3	782	6.2	40,676	6.2
Pipelayers, plumbers, pipefitters, and steamfitters	28.40	11.4	1,134	11.4	58,950	11.4
Pipelayers	19.50	17.6	780	17.6	40,479	17.6
Plumbers, pipefitters, and steamfitters	28.91	11.6	1,154	11.7	60,018	11.7
Roofers	17.40	17.3	696	17.3	27,742	17.3
Sheet metal workers	22.19	6.5	888	6.5	45,000	6.5
Structural iron and steel workers	35.49	17.6	1,420	17.6	73,417	17.6
Helpers, construction trades	14.91	8.4	596	8.4	30,974	8.4
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	18.81	22.4	752	22.4	39,120	22.4
Helpers--carpenters	14.67	13.7	587	13.7	30,177	13.7
Helpers--electricians	12.55	2.1	502	2.1	26,103	2.1
Construction and building inspectors	26.29	8.9	1,062	9.3	55,250	9.3
Miscellaneous construction and related workers	19.91	12.9	786	13.3	40,303	13.3
Derrick, rotary drill, and service unit operators, oil, gas, and mining	22.76	21.9	911	21.9	47,349	21.9
Mining machine operators	26.20	14.4	1,120	19.6	58,244	19.6
Helpers--extraction workers	16.64	8.9	665	8.9	34,603	8.9
Installation, maintenance, and repair occupations	22.99	1.3	920	1.3	47,818	1.3

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						
First-line supervisors/managers of mechanics, installers, and repairers	\$29.28	9.8%	\$1,180	10.0%	\$61,334	10.0%
Computer, automated teller, and office machine repairers	19.35	7.9	775	7.8	40,299	7.8
Radio and telecommunications equipment installers and repairers	28.76	3.6	1,150	3.6	59,791	3.6
Telecommunications equipment installers and repairers, except line installers	28.77	3.6	1,150	3.6	59,811	3.6
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	23.11	5.2	923	5.1	48,003	5.1
Avionics technicians	23.25	11.6	930	11.6	48,357	11.6
Electrical and electronics repairers, commercial and industrial equipment	24.95	5.4	996	5.4	51,751	5.4
Electrical and electronics repairers, powerhouse, substation, and relay	28.92	5.6	1,155	5.6	60,056	5.6
Electronic home entertainment equipment installers and repairers	14.62	11.5	585	11.5	30,403	11.5
Security and fire alarm systems installers	20.29	6.0	812	6.0	42,209	6.0
Aircraft mechanics and service technicians ..	28.05	5.0	1,121	5.0	58,315	5.0
Automotive technicians and repairers	20.02	4.2	814	4.3	42,346	4.3
Automotive body and related repairers	18.12	5.8	737	6.3	38,304	6.3
Automotive service technicians and mechanics	20.45	4.7	832	4.7	43,269	4.7
Bus and truck mechanics and diesel engine specialists	20.94	3.2	838	3.2	43,578	3.2
Heavy vehicle and mobile equipment service technicians and mechanics	22.58	3.8	903	3.8	46,950	3.8
Mobile heavy equipment mechanics, except engines	22.95	3.2	918	3.2	47,712	3.2
Rail car repairers	21.27	15.2	851	15.2	44,241	15.2
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	12.08	9.6	483	9.6	25,114	9.6
Tire repairers and changers	10.99	8.2	440	8.2	22,859	8.2
Control and valve installers and repairers	28.98	6.9	1,158	6.9	60,190	6.9
Control and valve installers and repairers, except mechanical door	28.98	6.9	1,158	6.9	60,190	6.9
Heating, air conditioning, and refrigeration mechanics and installers	23.87	6.4	954	6.4	49,445	6.4
Industrial machinery installation, repair, and maintenance workers	21.47	1.9	857	1.9	44,564	1.9

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
Installation, maintenance, and repair occupations –Continued						
Industrial machinery mechanics	\$23.40	2.1%	\$933	2.1%	\$48,518	2.1%
Maintenance and repair workers, general ..	19.85	3.3	791	3.3	41,121	3.3
Maintenance workers, machinery	18.64	5.2	746	5.2	38,788	5.2
Millwrights	24.76	3.9	997	4.1	51,819	4.1
Line installers and repairers	27.41	2.7	1,096	2.7	57,014	2.7
Electrical power-line installers and repairers	28.58	5.3	1,143	5.3	59,441	5.3
Telecommunications line installers and repairers	26.31	2.9	1,052	2.9	54,728	2.9
Precision instrument and equipment repairers	27.18	7.7	1,074	7.0	55,853	7.0
Medical equipment repairers	24.58	11.1	983	11.1	51,125	11.1
Miscellaneous installation, maintenance, and repair workers	17.69	3.7	706	3.7	36,705	3.7
Coin, vending, and amusement machine servicers and repairers	15.42	11.4	614	11.1	31,923	11.1
Manufactured building and mobile home installers	12.30	19.0	492	19.0	25,594	19.0
Signal and track switch repairers	26.57	7.9	1,063	7.9	55,258	7.9
Helpers--installation, maintenance, and repair workers	13.97	3.6	559	3.6	28,997	3.6
Production occupations	16.94	1.1	675	1.1	35,052	1.1
First-line supervisors/managers of production and operating workers	25.92	2.3	1,051	2.4	54,620	2.4
Aircraft structure, surfaces, rigging, and systems assemblers	25.16	3.2	1,006	3.2	52,331	3.2
Electrical, electronics, and electromechanical assemblers	14.61	3.4	583	3.4	30,330	3.4
Coil winders, tapers, and finishers	14.15	11.3	535	11.1	27,820	11.1
Electrical and electronic equipment assemblers	14.32	4.2	572	4.2	29,758	4.2
Electromechanical equipment assemblers	15.31	5.5	612	5.5	31,842	5.5
Engine and other machine assemblers	19.40	11.5	774	11.5	40,260	11.5
Structural metal fabricators and fitters	18.90	8.9	750	8.5	38,627	8.5
Miscellaneous assemblers and fabricators	17.08	3.1	681	3.1	35,355	3.1
Team assemblers	18.22	8.4	727	8.5	37,728	8.5
Bakers	15.94	14.4	632	14.5	32,544	14.5
Butchers and other meat, poultry, and fish processing workers	12.07	4.8	481	4.8	25,002	4.8
Butchers and meat cutters	17.81	4.6	695	5.2	36,125	5.2

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						
Meat, poultry, and fish cutters and trimmers	\$9.73	5.1%	\$389	5.1%	\$20,237	5.1%
Slaughterers and meat packers	12.25	2.9	490	2.9	25,474	2.9
Miscellaneous food processing workers	13.91	4.3	555	4.3	28,828	4.3
Food and tobacco roasting, baking, and drying machine operators and tenders	14.14	10.1	566	10.1	29,421	10.1
Food batchmakers	14.89	5.1	592	5.0	30,766	5.0
Food cooking machine operators and tenders	11.52	8.9	461	8.9	23,952	8.9
Computer control programmers and operators	18.51	6.4	739	6.4	38,446	6.4
Computer-controlled machine tool operators, metal and plastic	17.31	5.4	691	5.4	35,937	5.4
Numerical tool and process control programmers	25.73	8.5	1,029	8.5	53,508	8.5
Forming machine setters, operators, and tenders, metal and plastic	16.86	4.2	668	4.2	34,666	4.2
Extruding and drawing machine setters, operators, and tenders, metal and plastic	16.26	4.4	641	4.4	33,340	4.4
Forging machine setters, operators, and tenders, metal and plastic	15.55	10.5	619	10.5	31,903	10.5
Rolling machine setters, operators, and tenders, metal and plastic	19.53	9.3	779	9.3	40,487	9.3
Machine tool cutting setters, operators, and tenders, metal and plastic	15.73	3.4	628	3.4	32,651	3.4
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	15.07	4.2	601	4.2	31,264	4.2
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	18.78	6.9	751	6.9	39,059	6.9
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	14.70	5.0	587	5.0	30,500	5.0
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	17.86	7.6	714	7.6	37,150	7.6
Milling and planing machine setters, operators, and tenders, metal and plastic	17.78	11.2	711	11.2	36,942	11.2
Machinists	22.49	2.7	898	2.7	46,682	2.7

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
Production occupations –Continued						
Metal furnace and kiln operators and tenders	\$18.41	8.0%	\$733	7.9%	\$38,092	7.9%
Metal-refining furnace operators and tenders	19.24	12.0	766	11.9	39,784	11.9
Pourers and casters, metal	17.12	9.5	682	9.5	35,485	9.5
Model makers and patternmakers, metal and plastic	24.41	8.9	976	8.9	50,715	8.9
Model makers, metal and plastic	26.08	9.2	1,043	9.2	54,253	9.2
Molders and molding machine setters, operators, and tenders, metal and plastic	13.89	4.0	554	4.0	28,803	4.0
Foundry mold and coremakers	17.61	8.7	704	8.7	36,621	8.7
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.55	4.2	541	4.2	28,104	4.2
Multiple machine tool setters, operators, and tenders, metal and plastic	17.45	3.3	698	3.3	36,257	3.3
Tool and die makers	25.36	2.1	1,013	2.1	52,654	2.1
Welding, soldering, and brazing workers	17.81	2.9	710	2.9	36,862	2.9
Welders, cutters, solderers, and brazers	18.19	3.4	727	3.4	37,765	3.4
Welding, soldering, and brazing machine setters, operators, and tenders	16.43	5.0	650	5.0	33,662	5.0
Miscellaneous metalworkers and plastic workers	15.93	7.8	637	7.8	33,104	7.8
Heat treating equipment setters, operators, and tenders, metal and plastic	16.23	11.5	649	11.5	33,758	11.5
Lay-out workers, metal and plastic	16.95	11.2	678	11.2	35,182	11.2
Plating and coating machine setters, operators, and tenders, metal and plastic	17.77	6.1	711	6.1	36,968	6.1
Tool grinders, filers, and sharpeners	17.40	9.9	696	9.9	36,183	9.9
Bookbinders and bindery workers	16.27	11.8	635	10.9	33,014	10.9
Bindery workers	16.27	11.8	635	10.9	33,014	10.9
Printers	18.31	6.0	723	5.9	37,610	5.9
Job printers	19.20	11.4	756	10.9	39,326	10.9
Prepress technicians and workers	20.66	6.4	811	6.7	42,173	6.7
Printing machine operators	17.69	7.5	700	7.3	36,381	7.3
Laundry and dry-cleaning workers	10.02	4.2	396	4.2	20,591	4.2
Pressers, textile, garment, and related materials	10.76	7.4	428	7.5	22,193	7.5
Sewing machine operators	12.54	8.9	497	9.2	25,724	9.2
Tailors, dressmakers, and sewers	14.78	16.5	575	15.6	29,875	15.6
Tailors, dressmakers, and custom sewers ..	15.05	19.5	583	18.4	30,333	18.4

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
Production occupations –Continued						
Textile machine setters, operators, and tenders	\$13.55	5.1%	\$540	5.4%	\$28,038	5.4%
Textile bleaching and dyeing machine operators and tenders	11.46	4.7	453	4.6	23,541	4.6
Textile cutting machine setters, operators, and tenders	13.20	8.3	528	8.3	27,460	8.3
Textile knitting and weaving machine setters, operators, and tenders	14.68	5.4	587	5.4	30,533	5.4
Textile winding, twisting, and drawing out machine setters, operators, and tenders	13.08	10.2	519	10.8	26,937	10.8
Miscellaneous textile, apparel, and furnishings workers	13.99	8.3	557	8.2	28,936	8.2
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	16.67	7.6	657	7.7	34,149	7.7
Upholsterers	17.30	12.6	687	12.5	35,738	12.5
Cabinetmakers and bench carpenters	15.90	12.4	621	11.5	31,941	11.5
Furniture finishers	14.01	11.6	560	11.6	29,134	11.6
Woodworking machine setters, operators, and tenders	13.56	4.0	542	4.0	28,060	4.0
Sawing machine setters, operators, and tenders, wood	12.90	7.7	516	7.7	26,521	7.7
Woodworking machine setters, operators, and tenders, except sawing	14.09	2.8	563	2.8	29,301	2.8
Power plant operators, distributors, and dispatchers	31.81	4.9	1,271	4.9	66,118	4.9
Power distributors and dispatchers	38.16	6.0	1,526	6.0	79,368	6.0
Power plant operators	28.37	7.8	1,133	7.8	58,938	7.8
Stationary engineers and boiler operators	26.95	5.1	1,066	5.1	55,440	5.1
Water and liquid waste treatment plant and system operators	26.90	12.0	1,076	12.0	55,955	12.0
Miscellaneous plant and system operators	26.69	4.1	1,064	4.0	54,530	4.0
Chemical plant and system operators	25.25	6.0	999	5.6	51,958	5.6
Petroleum pump system operators, refinery operators, and gaugers	29.96	2.3	1,199	2.3	59,869	2.3
Chemical processing machine setters, operators, and tenders	23.15	10.4	921	10.5	47,871	10.5
Chemical equipment operators and tenders	19.92	11.3	791	11.2	41,116	11.2
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	25.63	12.8	1,021	13.0	53,071	13.0

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
Production occupations –Continued						
Crushing, grinding, polishing, mixing, and blending workers	\$17.54	4.2%	\$700	4.2%	\$36,367	4.2%
Crushing, grinding, and polishing machine setters, operators, and tenders	18.58	9.8	743	9.8	38,625	9.8
Grinding and polishing workers, hand	13.02	4.8	521	4.8	27,044	4.8
Mixing and blending machine setters, operators, and tenders	18.60	4.9	741	4.9	38,517	4.9
Cutting workers	14.97	4.5	598	4.5	30,146	4.5
Cutters and trimmers, hand	12.60	7.6	501	7.7	25,483	7.7
Cutting and slicing machine setters, operators, and tenders	15.95	4.5	639	4.4	32,073	4.4
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	15.06	10.6	601	10.4	31,226	10.4
Furnace, kiln, oven, drier, and kettle operators and tenders	17.74	12.7	710	12.7	36,897	12.7
Inspectors, testers, sorters, samplers, and weighers	16.83	2.8	670	2.9	34,815	2.9
Medical, dental, and ophthalmic laboratory technicians	14.35	3.0	574	3.0	29,839	3.0
Packaging and filling machine operators and tenders	15.54	5.3	619	5.3	32,175	5.3
Painting workers	15.34	4.9	613	5.0	31,851	5.0
Coating, painting, and spraying machine setters, operators, and tenders	14.55	4.8	581	4.8	30,214	4.8
Painters, transportation equipment	20.36	7.6	814	7.6	42,349	7.6
Painting, coating, and decorating workers	12.33	11.2	493	11.2	25,609	11.2
Photographic process workers and processing machine operators	17.59	24.4	660	21.9	34,345	21.9
Semiconductor processors	17.23	7.3	688	7.4	35,793	7.4
Miscellaneous production workers	14.62	3.8	582	3.8	30,089	3.8
Cementing and gluing machine operators and tenders	15.34	10.5	614	10.5	31,914	10.5
Cleaning, washing, and metal pickling equipment operators and tenders	20.58	20.3	823	20.3	42,802	20.3
Cooling and freezing equipment operators and tenders	14.99	18.1	592	17.2	30,804	17.2
Molders, shapers, and casters, except metal and plastic	15.59	5.5	624	5.5	32,423	5.5
Paper goods machine setters, operators, and tenders	17.38	12.7	696	12.7	36,188	12.7
Tire builders	17.72	8.7	709	8.7	36,868	8.7

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
Production occupations –Continued						
Helpers--production workers	\$12.63	2.9%	\$501	2.9%	\$25,990	2.9%
Transportation and material moving occupations	17.39	1.7	697	1.7	36,060	1.7
First-line supervisors/managers of helpers, laborers, and material movers, hand	22.21	3.7	906	3.9	47,115	3.9
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	26.13	4.1	1,086	4.5	56,458	4.5
Aircraft pilots and flight engineers	106.77	9.0	2,302	9.4	119,724	9.4
Airline pilots, copilots, and flight engineers	108.69	9.3	2,308	9.6	120,012	9.6
Bus drivers	16.78	11.4	674	10.0	34,572	10.0
Bus drivers, transit and intercity	17.29	11.9	712	11.4	36,864	11.4
Bus drivers, school	14.05	14.9	499	11.3	24,543	11.3
Driver/sales workers and truck drivers	19.65	2.0	838	1.8	43,497	1.8
Driver/sales workers	16.22	5.0	666	5.0	34,614	5.0
Truck drivers, heavy and tractor-trailer	19.80	2.7	871	2.2	45,231	2.2
Truck drivers, light or delivery services	19.83	3.9	800	4.1	41,513	4.1
Taxi drivers and chauffeurs	12.37	8.3	481	7.5	24,901	7.5
Railroad brake, signal, and switch operators	31.35	5.9	1,254	5.9	65,204	5.9
Railroad conductors and yardmasters	34.81	3.8	1,393	3.8	72,415	3.8
Sailors and marine oilers	12.47	5.4	564	7.3	28,184	7.3
Ship and boat captains and operators	25.85	20.8	1,242	19.2	58,556	19.2
Captains, mates, and pilots of water vessels	25.85	20.8	1,242	19.2	58,556	19.2
Parking lot attendants	8.37	4.8	327	5.1	16,847	5.1
Service station attendants	9.73	9.9	390	9.9	20,301	9.9
Transportation inspectors	26.58	8.4	1,080	8.4	56,149	8.4
Conveyor operators and tenders	14.47	16.5	579	16.5	30,094	16.5
Crane and tower operators	21.83	8.4	872	8.4	45,337	8.4
Dredge, excavating, and loading machine operators	18.29	4.9	731	4.9	37,846	4.9
Excavating and loading machine and dragline operators	17.93	5.0	717	5.0	37,104	5.0
Industrial truck and tractor operators	15.06	2.7	602	2.7	31,039	2.7
Laborers and material movers, hand	12.48	1.9	497	1.9	25,637	1.9
Cleaners of vehicles and equipment	12.96	4.5	519	4.5	26,887	4.5
Laborers and freight, stock, and material movers, hand	13.07	2.1	520	2.1	26,823	2.1
Machine feeders and offbearers	12.37	4.0	492	3.9	25,524	3.9
Packers and packagers, hand	10.89	3.0	432	3.0	22,296	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
Transportation and material moving occupations –Continued						
Refuse and recyclable material collectors	\$12.16	20.3%	\$575	12.4%	\$29,918	12.4%
Tank car, truck, and ship loaders	20.78	11.1	836	13.0	42,376	13.0

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.