

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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	\$23.77	1.5%	\$942	1.5%	\$48,696	1.5%
Management occupations	50.28	1.3	2,028	1.3	105,437	1.3
Chief executives	125.46	11.6	5,508	12.1	286,425	12.1
General and operations managers	63.27	4.8	2,589	5.2	134,637	5.2
Advertising and promotions managers	37.26	9.3	1,512	9.4	78,623	9.4
Marketing and sales managers	52.68	2.5	2,131	2.6	110,824	2.6
Marketing managers	55.47	2.5	2,215	2.5	115,192	2.5
Sales managers	48.47	5.4	2,000	5.6	104,011	5.6
Public relations managers	37.61	17.3	1,477	16.7	76,779	16.7
Administrative services managers	36.05	4.6	1,449	5.0	75,322	5.0
Computer and information systems managers	57.00	2.6	2,312	2.7	120,221	2.7
Financial managers	52.12	3.0	2,096	3.1	108,978	3.1
Human resources managers	46.78	3.7	1,876	3.6	97,560	3.6
Compensation and benefits managers	44.60	7.7	1,803	7.5	93,741	7.5
Training and development managers	46.27	5.9	1,834	5.6	95,372	5.6
Industrial production managers	46.06	3.3	1,861	3.4	96,777	3.4
Purchasing managers	51.98	5.4	2,075	5.3	107,903	5.3
Transportation, storage, and distribution managers	44.13	5.8	1,777	5.9	92,396	5.9
Construction managers	41.77	3.9	1,721	3.9	89,475	3.9
Education administrators	39.76	4.4	1,529	4.4	78,956	4.4
Education administrators, elementary and secondary school	34.01	18.0	1,381	18.0	70,874	18.0
Education administrators, postsecondary ..	40.45	4.6	1,540	4.4	79,489	4.4
Engineering managers	57.68	2.3	2,334	2.2	121,341	2.2
Food service managers	27.16	6.6	1,172	6.3	60,950	6.3
Lodging managers	34.57	27.1	1,476	24.3	76,770	24.3
Medical and health services managers	45.01	3.2	1,814	3.2	94,322	3.2
Natural sciences managers	45.62	16.2	1,908	19.3	99,211	19.3
Property, real estate, and community association managers	34.02	7.4	1,356	7.3	70,537	7.3
Social and community service managers	28.38	4.6	1,117	4.6	57,985	4.6
Business and financial operations occupations	32.73	1.1	1,307	1.2	67,947	1.2
Buyers and purchasing agents	30.51	3.2	1,240	3.7	64,463	3.7
Purchasing agents and buyers, farm products	32.69	10.0	1,308	10.0	67,997	10.0
Wholesale and retail buyers, except farm products	30.10	4.4	1,208	4.3	62,780	4.3
Purchasing agents, except wholesale, retail, and farm products	30.61	4.8	1,251	5.5	65,066	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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Business and financial operations occupations –Continued						
Claims adjusters, appraisers, examiners, and investigators	\$27.05	2.6%	\$1,057	2.6%	\$54,588	2.6%
Claims adjusters, examiners, and investigators	27.24	2.6	1,065	2.5	54,968	2.5
Insurance appraisers, auto damage	23.14	8.6	898	8.7	46,687	8.7
Compliance officers, except agriculture, construction, health and safety, and transportation	31.29	9.9	1,288	8.4	66,962	8.4
Cost estimators	35.74	4.5	1,450	4.6	75,393	4.6
Human resources, training, and labor relations specialists	29.62	2.8	1,173	2.8	60,986	2.8
Employment, recruitment, and placement specialists	26.12	4.7	1,035	5.0	53,781	5.0
Compensation, benefits, and job analysis specialists	29.11	4.1	1,151	4.1	59,856	4.1
Training and development specialists	30.17	3.8	1,191	3.7	61,954	3.7
Logisticians	34.94	3.6	1,401	3.6	72,861	3.6
Management analysts	38.93	3.1	1,552	3.0	80,686	3.0
Meeting and convention planners	24.89	7.8	977	7.9	50,789	7.9
Accountants and auditors	29.94	2.5	1,197	2.5	62,241	2.5
Budget analysts	37.05	5.2	1,491	5.5	77,539	5.5
Credit analysts	31.34	8.9	1,239	8.9	64,440	8.9
Financial analysts and advisors	36.77	3.0	1,473	2.8	76,574	2.8
Financial analysts	38.13	3.3	1,537	2.8	79,909	2.8
Personal financial advisors	34.51	14.6	1,372	14.6	71,331	14.6
Insurance underwriters	32.97	6.6	1,296	6.8	67,377	6.8
Financial examiners	30.97	8.0	1,223	8.2	63,621	8.2
Loan counselors and officers	31.49	5.4	1,277	5.8	66,395	5.8
Loan counselors	27.44	24.6	1,095	24.6	56,943	24.6
Loan officers	32.06	5.3	1,303	5.9	67,755	5.9
Computer and mathematical science occupations	37.90	1.1	1,518	1.2	78,873	1.2
Computer and information scientists, research	54.81	10.4	2,193	10.4	114,015	10.4
Computer programmers	35.19	4.5	1,402	4.4	72,900	4.4
Computer software engineers	44.39	1.3	1,799	1.3	93,572	1.3
Computer software engineers, applications	42.80	2.2	1,745	2.3	90,728	2.3
Computer software engineers, systems software	45.86	1.5	1,849	1.5	96,160	1.5
Computer support specialists	26.09	3.6	1,039	3.6	53,923	3.6

See footnotes at end of table.

RSE Table 31

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Computer and mathematical science occupations –Continued						
Computer systems analysts	\$38.94	1.2%	\$1,555	1.2%	\$80,841	1.2%
Database administrators	37.22	4.3	1,481	4.5	77,014	4.5
Network and computer systems administrators	36.55	2.9	1,460	2.9	75,835	2.9
Network systems and data communications analysts	35.23	3.1	1,407	3.1	73,180	3.1
Actuaries	42.20	5.2	1,669	5.0	86,779	5.0
Operations research analysts	35.97	5.7	1,405	5.9	73,062	5.9
Statisticians	44.01	8.3	1,723	8.5	89,609	8.5
Architecture and engineering occupations						
Architects, except naval	38.93	1.6	1,568	1.6	81,462	1.6
Architects, except landscape and naval	36.76	5.0	1,498	4.6	77,902	4.6
Engineers	37.69	4.9	1,526	5.0	79,363	5.0
Aerospace engineers	43.33	1.2	1,749	1.2	90,915	1.2
Chemical engineers	51.08	3.5	2,054	3.4	106,798	3.4
Civil engineers	44.89	7.5	1,810	7.7	94,107	7.7
Computer hardware engineers	40.40	5.8	1,633	5.7	84,938	5.7
Electrical and electronics engineers	45.97	3.7	1,893	3.5	98,438	3.5
Electrical engineers	43.50	3.5	1,759	3.4	91,465	3.4
Electronics engineers, except computer	42.60	3.5	1,728	3.2	89,882	3.2
Environmental engineers	44.35	6.4	1,787	6.3	92,947	6.3
Industrial engineers, including health and safety	43.12	7.1	1,725	7.1	89,685	7.1
Health and safety engineers, except mining safety engineers and inspectors	37.57	2.5	1,532	2.4	79,638	2.4
Industrial engineers	40.45	9.2	1,637	9.1	85,090	9.1
Materials engineers	37.01	2.1	1,511	1.9	78,570	1.9
Mechanical engineers	41.24	13.0	1,683	11.5	87,513	11.5
Nuclear engineers	39.26	2.1	1,586	2.4	82,368	2.4
Petroleum engineers	43.17	6.6	1,727	6.6	89,790	6.6
Drafters	53.24	13.4	2,129	13.4	110,239	13.4
Architectural and civil drafters	28.50	5.6	1,140	5.6	59,302	5.6
Electrical and electronics drafters	30.12	5.9	1,205	5.9	62,657	5.9
Mechanical drafters	28.03	6.7	1,121	6.7	58,307	6.7
Engineering technicians, except drafters	23.76	4.0	950	4.0	49,414	4.0
Aerospace engineering and operations technicians	27.66	1.8	1,107	1.8	57,269	1.8
Civil engineering technicians	30.53	2.8	1,221	2.8	63,497	2.8
	23.22	14.5	929	14.5	48,306	14.5

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Architecture and engineering occupations						
–Continued						
Electrical and electronic engineering technicians	\$26.50	2.4%	\$1,060	2.4%	\$55,105	2.4%
Electro-mechanical technicians	25.68	6.4	1,027	6.4	53,424	6.4
Industrial engineering technicians	27.38	4.0	1,100	4.1	57,161	4.1
Mechanical engineering technicians	23.43	4.8	940	4.8	48,891	4.8
Surveying and mapping technicians	23.57	20.8	943	20.8	49,018	20.8
Life, physical, and social science occupations	34.53	3.7	1,364	3.6	70,720	3.6
Life scientists	36.89	7.8	1,441	7.8	74,931	7.8
Agricultural and food scientists	40.28	6.0	1,584	6.4	82,385	6.4
Food scientists and technologists	40.28	6.0	1,584	6.4	82,385	6.4
Biological scientists	34.17	6.6	1,347	6.8	70,033	6.8
Biochemists and biophysicists	39.73	8.7	1,560	9.0	81,099	9.0
Microbiologists	35.00	7.9	1,407	7.4	73,162	7.4
Medical scientists	39.18	13.6	1,530	13.5	79,566	13.5
Physical scientists	42.58	4.3	1,689	4.6	87,292	4.6
Astronomers and physicists	59.86	12.1	2,309	10.2	120,063	10.2
Physicists	59.69	13.1	2,296	10.9	119,386	10.9
Chemists and materials scientists	42.49	7.2	1,724	7.5	89,650	7.5
Chemists	41.22	8.7	1,675	9.1	87,086	9.1
Materials scientists	47.86	8.0	1,932	7.8	100,471	7.8
Environmental scientists and geoscientists	38.35	10.5	1,534	10.5	79,762	10.5
Environmental scientists and specialists, including health	38.16	10.7	1,526	10.7	79,374	10.7
Geoscientists, except hydrologists and geographers	40.54	19.0	1,622	19.0	84,320	19.0
Economists	53.75	22.9	2,150	22.9	111,793	22.9
Market and survey researchers	39.01	6.7	1,564	6.9	81,338	6.9
Market research analysts	39.30	6.9	1,576	7.2	81,950	7.2
Psychologists	33.36	16.3	1,308	15.7	65,610	15.7
Clinical, counseling, and school psychologists	35.52	16.5	1,383	16.0	69,004	16.0
Miscellaneous social scientists and related workers	40.63	7.3	1,582	6.4	82,254	6.4
Agricultural and food science technicians	18.88	9.9	751	9.7	39,059	9.7
Biological technicians	22.01	6.3	866	6.2	45,055	6.2
Chemical technicians	23.74	4.8	953	5.0	49,511	5.0
Nuclear technicians	37.26	6.0	1,491	6.0	77,507	6.0
Miscellaneous life, physical, and social science technicians	23.44	9.5	933	9.6	48,491	9.6

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Life, physical, and social science occupations –Continued						
Environmental science and protection technicians, including health	\$28.73	11.3%	\$1,149	11.3%	\$59,756	11.3%
Community and social services occupations	18.63	2.8	732	2.9	38,006	2.9
Counselors	17.52	5.5	690	5.2	35,862	5.2
Substance abuse and behavioral disorder counselors	16.67	6.1	666	5.4	34,449	5.4
Educational, vocational, and school counselors	20.25	6.3	796	5.8	41,318	5.8
Mental health counselors	19.74	4.0	775	3.8	40,285	3.8
Rehabilitation counselors	16.96	6.2	657	6.7	34,157	6.7
Social workers	21.17	2.8	832	2.8	43,139	2.8
Child, family, and school social workers ..	17.40	3.7	691	3.7	35,519	3.7
Medical and public health social workers	25.53	3.9	988	4.3	51,390	4.3
Mental health and substance abuse social workers	18.61	3.5	737	3.5	38,270	3.5
Miscellaneous community and social service specialists	14.90	4.8	586	5.4	30,369	5.4
Health educators	26.00	29.1	1,024	29.9	53,243	29.9
Social and human service assistants	12.69	4.6	497	5.5	25,706	5.5
Clergy	22.76	6.9	878	8.8	45,656	8.8
Directors, religious activities and education	34.30	12.3	1,347	12.4	70,048	12.4
Legal occupations	59.48	5.6	2,349	5.5	122,022	5.5
Lawyers	79.58	5.0	3,163	5.1	164,452	5.1
Paralegals and legal assistants	30.06	3.1	1,173	3.7	60,998	3.7
Miscellaneous legal support workers	23.74	12.7	943	12.4	48,113	12.4
Title examiners, abstractors, and searchers	27.41	16.1	1,097	16.1	57,023	16.1
Education, training, and library occupations	40.33	4.5	1,547	4.5	67,113	4.5
Postsecondary teachers	51.39	3.9	1,996	3.8	84,403	3.8
Business teachers, postsecondary	64.26	8.8	2,495	8.0	98,646	8.0
Math and computer teachers, postsecondary	49.29	9.3	1,912	8.7	74,938	8.7
Computer science teachers, postsecondary	58.94	10.7	2,256	11.0	98,789	11.0
Mathematical science teachers, postsecondary	45.67	10.5	1,780	9.8	67,095	9.8
Engineering and architecture teachers, postsecondary	74.86	8.2	2,929	7.7	112,594	7.7
Engineering teachers, postsecondary	76.11	8.1	2,974	7.5	114,739	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 by occupation 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						
Life sciences teachers, postsecondary	\$59.47	11.4%	\$2,491	11.4%	\$113,605	11.4%
Biological science teachers, postsecondary	59.47	11.4	2,491	11.4	113,605	11.4
Physical sciences teachers, postsecondary	57.20	6.8	2,199	6.5	89,775	6.5
Chemistry teachers, postsecondary	51.86	6.7	1,919	6.5	72,220	6.5
Physics teachers, postsecondary	66.16	10.1	2,567	8.7	114,757	8.7
Social sciences teachers, postsecondary	49.82	4.9	1,885	4.3	74,234	4.3
Economics teachers, postsecondary	62.17	10.6	2,210	8.1	80,582	8.1
Psychology teachers, postsecondary	47.65	8.9	1,869	6.6	71,978	6.6
Sociology teachers, postsecondary	54.25	14.9	2,022	13.6	75,818	13.6
Health teachers, postsecondary	63.77	7.2	2,496	7.0	113,350	7.0
Health specialties teachers, postsecondary	73.55	7.4	2,888	7.3	128,441	7.3
Nursing instructors and teachers, postsecondary	37.75	2.0	1,464	2.0	70,437	2.0
Education and library science teachers, postsecondary	38.97	6.7	1,513	6.3	60,301	6.3
Education teachers, postsecondary	38.63	6.7	1,504	6.4	60,056	6.4
Law, criminal justice, and social work teachers, postsecondary	72.08	10.1	2,720	9.8	110,772	9.8
Law teachers, postsecondary	84.25	7.3	3,248	5.0	133,467	5.0
Arts, communications, and humanities teachers, postsecondary	43.68	3.9	1,668	3.8	64,446	3.8
Art, drama, and music teachers, postsecondary	37.20	5.8	1,410	7.0	53,792	7.0
Communications teachers, postsecondary	47.59	19.6	1,843	18.8	70,156	18.8
English language and literature teachers, postsecondary	48.74	6.6	1,856	5.6	73,358	5.6
Foreign language and literature teachers, postsecondary	49.39	6.4	1,847	5.9	69,747	5.9
History teachers, postsecondary	46.34	7.7	1,819	6.5	69,831	6.5
Philosophy and religion teachers, postsecondary	43.37	8.2	1,669	6.3	66,179	6.3
Miscellaneous postsecondary teachers	38.37	8.3	1,480	7.7	67,588	7.7
Primary, secondary, and special education school teachers	31.38	7.6	1,180	7.2	46,702	7.2
Preschool and kindergarten teachers	16.25	7.9	621	7.9	29,827	7.9
Preschool teachers, except special education	15.18	6.7	582	7.6	28,599	7.6
Elementary and middle school teachers	31.43	3.6	1,135	5.8	42,826	5.8

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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						
Elementary school teachers, except special education	\$30.07	4.4%	\$1,049	8.4%	\$39,621	8.4%
Middle school teachers, except special and vocational education	33.27	4.9	1,259	4.6	47,498	4.6
Secondary school teachers	36.77	9.3	1,423	8.0	54,001	8.0
Secondary school teachers, except special and vocational education	37.30	9.2	1,442	7.9	54,368	7.9
Special education teachers	35.20	26.1	1,270	22.5	53,040	22.5
Other teachers and instructors	32.18	20.0	1,263	20.0	64,679	20.0
Adult literacy, remedial education, and GED teachers and instructors	20.01	18.6	780	16.9	37,634	16.9
Librarians	35.94	10.7	1,335	11.3	67,259	11.3
Library technicians	19.29	7.2	742	7.6	38,457	7.6
Instructional coordinators	34.95	7.3	1,337	5.8	68,717	5.8
Teacher assistants	11.96	3.3	462	4.0	22,730	4.0
Arts, design, entertainment, sports, and media occupations	30.13	2.2	1,185	2.2	61,031	2.2
Artists and related workers	36.33	10.9	1,453	10.3	75,432	10.3
Art directors	44.13	11.3	1,749	10.4	90,932	10.4
Multi-media artists and animators	30.97	9.2	1,265	8.2	65,798	8.2
Designers	26.34	3.7	1,039	3.8	54,039	3.8
Commercial and industrial designers	34.79	8.0	1,389	8.0	72,234	8.0
Graphic designers	24.02	3.9	944	4.0	49,071	4.0
Interior designers	28.49	6.9	1,125	5.6	58,515	5.6
Actors, producers, and directors	34.53	5.1	1,391	5.0	72,310	5.0
Producers and directors	35.50	5.2	1,431	5.0	74,393	5.0
Athletes, coaches, umpires, and related workers	25.58	6.1	989	6.6	48,112	6.6
Coaches and scouts	26.03	6.3	993	6.7	47,845	6.7
Announcers	70.12	20.0	2,724	18.9	141,641	18.9
Radio and television announcers	70.12	20.0	2,724	18.9	141,641	18.9
News analysts, reporters and correspondents	43.34	11.9	1,673	11.9	86,558	11.9
Reporters and correspondents	37.70	6.3	1,452	6.2	75,050	6.2
Public relations specialists	31.02	7.9	1,213	7.9	63,080	7.9
Writers and editors	28.12	4.0	1,098	3.7	57,117	3.7
Editors	28.05	6.0	1,073	5.5	55,774	5.5
Technical writers	29.75	4.9	1,194	4.9	62,077	4.9
Writers and authors	23.01	8.0	918	8.0	47,748	8.0
Miscellaneous media and communication workers	22.80	4.9	901	4.1	46,631	4.1

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 by occupation 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	\$29.37	8.4%	\$1,155	9.2%	\$60,075	9.2%
Audio and video equipment technicians	27.12	19.2	1,089	19.1	56,628	19.1
Broadcast technicians	25.90	7.3	993	10.0	51,611	10.0
Photographers	20.46	13.4	812	13.5	35,729	13.5
Television, video, and motion picture camera operators and editors	28.99	5.4	1,134	5.6	58,974	5.6
Camera operators, television, video, and motion picture	29.26	9.4	1,170	9.4	60,852	9.4
Healthcare practitioner and technical occupations						
Dietitians and nutritionists	30.15	1.6	1,177	1.6	61,168	1.6
Pharmacists	25.73	5.0	1,021	5.1	53,092	5.1
Physicians and surgeons	52.53	1.2	2,085	1.2	108,409	1.2
Family and general practitioners	70.40	7.5	2,813	7.7	146,290	7.7
Internists, general	70.84	20.9	2,802	21.4	145,729	21.4
Pediatricians, general	90.23	20.4	3,552	20.6	184,689	20.6
Psychiatrists	68.91	7.9	2,812	7.9	146,225	7.9
Psychiatrists	80.73	4.7	2,877	3.0	149,592	3.0
Physician assistants	42.83	2.7	1,695	2.9	88,152	2.9
Registered nurses	32.78	1.0	1,263	1.0	65,639	1.0
Therapists	29.90	2.4	1,172	2.2	60,698	2.2
Occupational therapists	33.55	2.0	1,325	2.0	68,893	2.0
Physical therapists	33.25	5.0	1,309	4.6	67,729	4.6
Radiation therapists	35.54	8.1	1,409	7.8	73,266	7.8
Recreational therapists	18.13	5.2	723	5.2	37,597	5.2
Respiratory therapists	25.81	2.0	1,002	2.4	52,086	2.4
Speech-language pathologists	33.01	7.4	1,241	8.0	61,013	8.0
Clinical laboratory technologists and technicians	21.71	2.0	860	2.0	44,719	2.0
Medical and clinical laboratory technologists	26.04	2.7	1,032	2.7	53,650	2.7
Medical and clinical laboratory technicians	17.90	2.8	709	2.8	36,863	2.8
Diagnostic related technologists and technicians	27.63	2.1	1,089	2.1	56,626	2.1
Cardiovascular technologists and technicians	27.47	7.7	1,088	7.8	56,577	7.8
Diagnostic medical sonographers	33.83	3.0	1,331	3.2	69,223	3.2
Nuclear medicine technologists	36.41	4.2	1,457	4.2	75,738	4.2
Radiologic technologists and technicians ..	25.75	2.2	1,013	2.2	52,665	2.2

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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	\$15.72	8.0%	\$646	7.4%	\$33,382	7.4%
Health diagnosing and treating practitioner support technicians	17.35	2.1	683	2.2	35,484	2.2
Dietetic technicians	13.63	23.9	523	24.6	27,205	24.6
Pharmacy technicians	15.19	3.0	602	2.9	31,291	2.9
Psychiatric technicians	14.74	9.6	584	9.7	30,366	9.7
Respiratory therapy technicians	23.15	4.0	889	3.6	46,204	3.6
Surgical technologists	19.54	2.4	770	2.4	40,058	2.4
Licensed practical and licensed vocational nurses	20.40	1.1	794	1.1	41,287	1.1
Medical records and health information technicians	16.82	4.3	664	4.2	34,548	4.2
Miscellaneous health technologists and technicians	20.42	6.0	813	6.0	42,288	6.0
Occupational health and safety specialists and technicians	28.79	5.0	1,162	4.9	60,413	4.9
Occupational health and safety specialists	29.28	7.8	1,188	7.7	61,800	7.7
Occupational health and safety technicians	28.07	6.2	1,123	6.2	58,390	6.2
Miscellaneous healthcare practitioner and technical workers	27.44	7.1	1,089	6.8	52,785	6.8
Athletic trainers	25.28	12.0	994	10.7	45,019	10.7
Healthcare support occupations	12.79	1.3	496	1.4	25,793	1.4
Nursing, psychiatric, and home health aides	11.90	1.1	459	1.3	23,849	1.3
Home health aides	10.59	3.3	396	4.7	20,618	4.7
Nursing aides, orderlies, and attendants	12.23	.9	474	1.0	24,652	1.0
Psychiatric aides	11.17	5.0	439	4.9	22,816	4.9
Occupational therapist assistants and aides ...	19.89	7.9	790	8.2	41,059	8.2
Occupational therapist assistants	22.23	6.1	879	6.8	45,688	6.8
Physical therapist assistants and aides	18.61	10.4	738	10.6	38,375	10.6
Physical therapist assistants	23.55	8.6	941	8.7	48,932	8.7
Physical therapist aides	12.94	7.4	509	7.6	26,458	7.6
Miscellaneous healthcare support occupations	14.80	1.6	585	1.6	30,421	1.6
Medical assistants	15.44	2.8	610	2.9	31,703	2.9
Medical equipment preparers	15.28	3.9	604	3.9	31,385	3.9
Medical transcriptionists	15.66	2.9	615	2.9	31,969	2.9
Pharmacy aides	12.80	9.3	512	9.3	26,622	9.3
Protective service occupations	12.93	3.2	513	3.1	25,881	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 by occupation 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						
First-line supervisors/managers, law enforcement workers	\$13.76	9.3%	\$551	9.3%	\$28,630	9.3%
Bailiffs, correctional officers, and jailers	12.10	14.0	483	13.8	25,094	13.8
Correctional officers and jailers	12.10	14.0	483	13.8	25,094	13.8
Police officers	20.72	3.2	825	3.5	42,910	3.5
Police and sheriff's patrol officers	20.72	3.2	825	3.5	42,910	3.5
Private detectives and investigators	16.93	12.9	677	12.9	35,208	12.9
Security guards and gaming surveillance officers	11.92	2.1	472	2.1	24,542	2.1
Security guards	11.87	2.3	470	2.2	24,435	2.2
Miscellaneous protective service workers	12.65	14.2	483	14.1	13,064	14.1
Food preparation and serving related occupations						
First-line supervisors/managers, food preparation and serving workers	10.76	2.9	419	2.8	21,636	2.8
Chefs and head cooks	18.09	3.5	732	3.4	37,451	3.4
First-line supervisors/managers of food preparation and serving workers	20.63	7.4	838	6.9	42,723	6.9
Cooks	17.59	3.8	711	3.8	36,413	3.8
Cooks, fast food	12.93	1.6	504	1.6	26,097	1.6
Cooks, institution and cafeteria	10.53	9.5	407	10.1	21,182	10.1
Cooks, restaurant	13.60	2.5	529	2.6	27,275	2.6
Cooks, short order	12.53	2.4	490	2.4	25,434	2.4
Cooks, short order	11.42	4.8	437	5.2	22,705	5.2
Food preparation workers	11.15	2.2	442	2.3	22,690	2.3
Food service, tipped	6.61	3.9	253	3.9	13,081	3.9
Bartenders	8.20	6.7	314	7.5	15,919	7.5
Waiters and waitresses	5.74	4.8	219	5.5	11,381	5.5
Dining room and cafeteria attendants and bartender helpers	8.51	4.4	328	4.9	16,914	4.9
Fast food and counter workers	10.99	2.5	427	3.0	21,968	3.0
Combined food preparation and serving workers, including fast food	11.15	2.7	434	3.0	22,317	3.0
Counter attendants, cafeteria, food concession, and coffee shop	10.54	4.5	407	5.7	20,983	5.7
Food servers, nonrestaurant	10.14	5.5	393	5.3	20,422	5.3
Dishwashers	10.06	3.3	398	3.2	20,640	3.2
Hosts and hostesses, restaurant, lounge, and coffee shop	9.63	9.3	364	10.2	18,929	10.2
Building and grounds cleaning and maintenance occupations						
.....	12.51	3.5	494	3.5	25,519	3.5

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 by occupation 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, building and grounds cleaning and maintenance workers	\$19.27	8.9%	\$770	8.9%	\$40,061	8.9%
First-line supervisors/managers of housekeeping and janitorial workers ...	17.96	4.9	716	4.8	37,221	4.8
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	25.88	26.7	1,051	26.8	54,656	26.8
Building cleaning workers	12.10	3.7	477	3.7	24,677	3.7
Janitors and cleaners, except maids and housekeeping cleaners	12.68	3.8	502	3.9	26,021	3.9
Maids and housekeeping cleaners	10.64	6.0	417	5.8	21,498	5.8
Grounds maintenance workers	11.80	2.9	466	2.8	23,684	2.8
Landscaping and groundskeeping workers	11.66	2.7	461	2.7	23,357	2.7
Personal care and service occupations	12.12	11.2	449	8.1	23,009	8.1
First-line supervisors/managers of gaming workers	15.51	4.2	626	4.1	32,573	4.1
Gaming supervisors	17.60	8.4	715	8.9	37,182	8.9
Slot key persons	12.14	2.4	485	2.5	25,225	2.5
First-line supervisors/managers of personal service workers	16.78	5.7	683	6.2	35,515	6.2
Nonfarm animal caretakers	14.24	9.0	562	8.9	29,238	8.9
Gaming services workers	7.18	7.7	285	7.1	14,845	7.1
Gaming dealers	6.90	3.7	274	2.9	14,263	2.9
Ushers, lobby attendants, and ticket takers ...	10.24	15.8	410	15.8	20,718	15.8
Miscellaneous entertainment attendants and related workers	11.21	4.4	443	4.4	19,969	4.4
Amusement and recreation attendants	10.78	5.6	426	5.9	18,120	5.9
Locker room, coatroom, and dressing room attendants	11.93	9.2	470	8.7	24,427	8.7
Baggage porters, bellhops, and concierges	9.48	4.3	374	4.3	19,439	4.3
Baggage porters and bellhops	8.10	4.8	320	5.2	16,640	5.2
Concierges	12.85	6.5	504	6.5	26,226	6.5
Tour and travel guides	16.54	7.3	662	7.3	28,039	7.3
Transportation attendants	34.30	4.0	710	2.9	36,942	2.9
Flight attendants	36.23	3.3	718	3.0	37,357	3.0
Child care workers	11.33	2.8	443	3.4	22,982	3.4
Personal and home care aides	9.94	2.9	400	3.2	20,820	3.2
Recreation and fitness workers	12.71	7.2	504	7.1	21,688	7.1
Fitness trainers and aerobics instructors	15.96	19.8	618	19.4	32,138	19.4

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 by occupation 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						
Recreation workers	\$11.89	5.2%	\$475	5.2%	\$19,539	5.2%
Residential advisors	15.34	17.2	611	17.1	30,395	17.1
Sales and related occupations	20.00	2.1	796	2.2	41,229	2.2
First-line supervisors/managers, sales workers	22.49	3.5	905	3.7	46,934	3.7
First-line supervisors/managers of retail sales workers	19.39	3.1	778	3.3	40,334	3.3
First-line supervisors/managers of non-retail sales workers	33.65	8.6	1,365	9.0	70,975	9.0
Retail sales workers	13.10	1.5	519	1.6	26,864	1.6
Cashiers, all workers	11.66	1.7	462	1.7	23,877	1.7
Cashiers	11.47	1.0	454	1.0	23,453	1.0
Gaming change persons and booth cashiers	13.03	6.9	521	6.9	27,096	6.9
Counter and rental clerks and parts salespersons	17.30	7.8	697	7.9	36,233	7.9
Counter and rental clerks	16.59	17.7	659	17.8	34,253	17.8
Parts salespersons	17.80	5.9	724	6.2	37,636	6.2
Retail salespersons	13.76	2.1	545	2.2	28,194	2.2
Advertising sales agents	23.55	9.9	935	10.0	48,595	10.0
Insurance sales agents	24.32	7.3	962	7.3	50,031	7.3
Securities, commodities, and financial services sales agents	55.27	6.3	2,209	6.5	114,857	6.5
Travel agents	16.33	7.0	646	7.0	33,592	7.0
Sales representatives, wholesale and manufacturing	36.45	4.6	1,476	4.5	76,733	4.5
Sales representatives, wholesale and manufacturing, technical and scientific products	44.04	6.1	1,755	6.1	91,277	6.1
Sales representatives, wholesale and manufacturing, except technical and scientific products	32.29	5.3	1,319	5.3	68,570	5.3
Models, demonstrators, and product promoters	16.45	8.9	657	8.9	33,525	8.9
Demonstrators and product promoters	16.45	8.9	657	8.9	33,525	8.9
Real estate brokers and sales agents	25.83	18.9	1,028	18.8	53,442	18.8
Real estate sales agents	24.85	21.8	994	21.8	51,692	21.8
Sales engineers	43.44	7.2	1,773	8.2	92,201	8.2
Telemarketers	14.08	7.0	554	6.8	28,785	6.8
Miscellaneous sales and related workers	18.94	6.2	746	6.3	38,051	6.3

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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	\$16.67	0.7%	\$660	0.7%	\$34,292	0.7%
First-line supervisors/managers of office and administrative support workers	24.62	2.4	986	2.5	51,265	2.5
Switchboard operators, including answering service	12.58	4.0	491	3.7	25,545	3.7
Telephone operators	12.84	10.6	510	10.3	26,536	10.3
Financial clerks	16.00	1.5	634	1.5	32,941	1.5
Bill and account collectors	14.99	5.2	597	5.1	31,033	5.1
Billing and posting clerks and machine operators	16.24	1.8	641	1.7	33,324	1.7
Bookkeeping, accounting, and auditing clerks	16.57	1.4	654	1.4	33,994	1.4
Gaming cage workers	11.49	6.8	457	6.5	23,786	6.5
Payroll and timekeeping clerks	18.99	2.9	755	3.0	39,238	3.0
Procurement clerks	16.80	4.4	671	4.4	34,869	4.4
Tellers	12.75	1.6	509	1.6	26,449	1.6
Brokerage clerks	19.66	2.6	780	2.6	40,572	2.6
Correspondence clerks	17.63	3.3	705	3.3	36,674	3.3
Credit authorizers, checkers, and clerks	17.07	5.4	682	5.4	35,445	5.4
Customer service representatives	15.92	2.2	633	2.2	32,865	2.2
Eligibility interviewers, government programs	20.89	10.7	794	10.9	41,274	10.9
File clerks	14.09	5.3	557	5.6	28,940	5.6
Hotel, motel, and resort desk clerks	11.48	2.9	456	3.0	23,716	3.0
Interviewers, except eligibility and loan	14.69	2.7	580	2.4	30,024	2.4
Library assistants, clerical	15.06	5.3	578	4.7	29,213	4.7
Loan interviewers and clerks	16.04	2.5	636	2.6	33,072	2.6
New accounts clerks	15.09	3.5	604	3.5	31,395	3.5
Order clerks	15.96	4.4	634	4.4	32,415	4.4
Human resources assistants, except payroll and timekeeping	18.41	2.6	734	2.5	38,179	2.5
Receptionists and information clerks	14.07	2.9	553	2.8	28,674	2.8
Reservation and transportation ticket agents and travel clerks	16.71	3.9	663	4.1	34,494	4.1
Cargo and freight agents	23.26	19.7	930	19.7	48,345	19.7
Couriers and messengers	11.32	9.4	446	9.2	23,209	9.2
Dispatchers	18.75	3.6	762	3.7	39,498	3.7
Police, fire, and ambulance dispatchers	14.44	10.3	579	9.4	29,984	9.4
Dispatchers, except police, fire, and ambulance	19.25	3.8	784	3.9	40,630	3.9
Meter readers, utilities	19.84	6.8	794	6.8	41,269	6.8
Production, planning, and expediting clerks	20.29	2.5	807	2.6	41,952	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 by occupation 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						
Shipping, receiving, and traffic clerks	\$13.26	1.5%	\$530	1.5%	\$27,548	1.5%
Stock clerks and order fillers	13.37	1.7	529	1.8	27,530	1.8
Weighers, measurers, checkers, and samplers, recordkeeping	15.42	9.5	614	9.3	31,520	9.3
Secretaries and administrative assistants	20.61	1.5	809	1.5	42,046	1.5
Executive secretaries and administrative assistants	22.75	1.6	897	1.7	46,644	1.7
Legal secretaries	27.55	5.6	1,042	4.6	54,166	4.6
Medical secretaries	15.61	2.9	616	2.8	32,046	2.8
Secretaries, except legal, medical, and executive	17.94	1.6	704	1.6	36,506	1.6
Computer operators	17.74	5.9	705	6.0	36,683	6.0
Data entry and information processing workers	14.92	3.7	589	3.4	30,619	3.4
Data entry keyers	13.85	2.4	547	2.3	28,468	2.3
Word processors and typists	19.87	9.0	778	8.1	40,453	8.1
Desktop publishers	20.64	10.1	822	10.0	42,738	10.0
Insurance claims and policy processing clerks	16.17	2.2	636	2.2	33,096	2.2
Mail clerks and mail machine operators, except postal service	13.09	3.5	515	3.3	26,781	3.3
Office clerks, general	15.85	1.5	625	1.5	32,508	1.5
Office machine operators, except computer ..	13.05	5.3	516	5.0	26,810	5.0
Proofreaders and copy markers	14.15	8.7	558	7.7	29,015	7.7
Statistical assistants	19.01	4.6	751	4.5	39,062	4.5
Farming, fishing, and forestry occupations ..	14.86	12.2	591	12.2	28,511	12.2
Graders and sorters, agricultural products	11.08	11.0	440	10.3	21,871	10.3
Miscellaneous agricultural workers	13.51	5.3	535	5.4	27,840	5.4
Construction and extraction occupations	24.08	2.9	965	2.9	49,337	2.9
First-line supervisors/managers of construction trades and extraction workers	30.52	4.3	1,246	4.0	64,367	4.0
Boilermakers	21.13	16.4	845	16.4	43,942	16.4
Brickmasons, blockmasons, and stonemasons	22.95	21.5	916	21.5	47,342	21.5
Brickmasons and blockmasons	22.95	21.5	916	21.5	47,342	21.5
Carpenters	25.02	6.3	999	6.3	50,866	6.3
Cement masons, concrete finishers, and terrazzo workers	21.74	9.7	870	9.7	44,566	9.7

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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 and concrete finishers	\$21.74	9.7%	\$870	9.7%	\$44,566	9.7%
Construction laborers	18.75	8.1	750	8.1	37,753	8.1
Construction equipment operators	21.89	6.7	875	6.7	44,089	6.7
Paving, surfacing, and tamping equipment operators	16.36	16.4	654	16.4	32,425	16.4
Operating engineers and other construction equipment operators	22.61	6.6	905	6.6	45,657	6.6
Drywall installers, ceiling tile installers, and tapers	20.75	5.4	830	5.4	42,197	5.4
Drywall and ceiling tile installers	20.33	7.2	813	7.2	41,919	7.2
Tapers	21.33	18.5	853	18.5	42,565	18.5
Electricians	28.23	4.4	1,114	4.2	57,935	4.2
Insulation workers	21.55	4.1	862	4.1	44,376	4.1
Painters and paperhangers	21.18	8.7	841	8.8	42,094	8.8
Painters, construction and maintenance	21.18	8.7	841	8.8	42,094	8.8
Pipelayers, plumbers, pipefitters, and steamfitters	29.03	10.1	1,159	10.1	60,284	10.1
Pipelayers	21.05	17.7	842	17.7	43,688	17.7
Plumbers, pipefitters, and steamfitters	29.38	10.2	1,173	10.2	61,011	10.2
Plasterers and stucco masons	24.52	22.1	981	22.1	51,006	22.1
Roofers	17.63	17.8	705	17.8	28,099	17.8
Sheet metal workers	23.30	6.8	932	6.8	47,350	6.8
Structural iron and steel workers	38.31	19.7	1,533	19.7	79,116	19.7
Helpers, construction trades	15.38	8.7	615	8.7	31,680	8.7
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	19.38	19.7	775	19.7	40,314	19.7
Helpers--carpenters	15.50	11.3	620	11.3	31,913	11.3
Helpers--electricians	13.39	4.9	536	4.9	27,860	4.9
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	12.91	4.8	516	4.8	26,850	4.8
Construction and building inspectors	22.50	3.6	904	3.6	46,998	3.6
Hazardous materials removal workers	14.23	9.2	569	9.2	29,589	9.2
Rail-track laying and maintenance equipment operators	26.73	5.7	1,069	5.7	55,589	5.7
Miscellaneous construction and related workers	19.59	14.4	772	14.7	39,524	14.7
Derrick, rotary drill, and service unit operators, oil, gas, and mining	21.69	23.1	868	23.1	45,111	23.1
Mining machine operators	26.10	19.1	1,088	23.7	56,588	23.7
Helpers--extraction workers	18.54	11.3	742	11.3	38,561	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 by occupation 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	\$23.35	1.5%	\$933	1.5%	\$48,507	1.5%
First-line supervisors/managers of mechanics, installers, and repairers	30.32	7.8	1,220	8.0	63,405	8.0
Computer, automated teller, and office machine repairers	22.33	7.1	894	7.1	46,502	7.1
Radio and telecommunications equipment installers and repairers	28.13	4.7	1,123	4.6	58,388	4.6
Telecommunications equipment installers and repairers, except line installers	28.16	4.7	1,124	4.7	58,435	4.7
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	21.79	7.9	871	7.9	45,256	7.9
Avionics technicians	26.25	7.9	1,050	7.9	54,603	7.9
Electrical and electronics repairers, commercial and industrial equipment	24.67	5.1	985	5.1	51,180	5.1
Electrical and electronics repairers, powerhouse, substation, and relay	30.94	3.5	1,234	3.6	64,188	3.6
Security and fire alarm systems installers	20.32	7.5	811	7.6	42,167	7.6
Aircraft mechanics and service technicians ..	28.46	3.8	1,138	3.8	59,192	3.8
Automotive technicians and repairers	19.70	4.7	800	4.9	41,608	4.9
Automotive body and related repairers	19.89	10.7	813	11.4	42,300	11.4
Automotive service technicians and mechanics	19.66	5.1	797	5.3	41,459	5.3
Bus and truck mechanics and diesel engine specialists	22.35	2.2	894	2.2	46,509	2.2
Heavy vehicle and mobile equipment service technicians and mechanics	23.23	4.0	929	4.0	48,303	4.0
Mobile heavy equipment mechanics, except engines	23.94	3.2	957	3.2	49,775	3.2
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	12.53	9.8	501	9.8	26,065	9.8
Tire repairers and changers	11.28	8.2	451	8.2	23,468	8.2
Control and valve installers and repairers	28.82	5.3	1,151	5.3	59,878	5.3
Control and valve installers and repairers, except mechanical door	28.82	5.3	1,151	5.3	59,878	5.3
Heating, air conditioning, and refrigeration mechanics and installers	24.40	6.5	964	6.6	49,938	6.6
Industrial machinery installation, repair, and maintenance workers	21.67	1.7	865	1.7	44,986	1.7
Industrial machinery mechanics	23.99	1.6	956	1.6	49,717	1.6
Maintenance and repair workers, general ..	19.73	2.9	786	2.9	40,877	2.9
Maintenance workers, machinery	18.83	4.6	757	4.6	39,346	4.6

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 by occupation 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						
Millwrights	\$24.85	4.7%	\$1,004	4.9%	\$52,183	4.9%
Line installers and repairers	28.27	2.5	1,131	2.5	58,792	2.5
Electrical power-line installers and repairers	31.43	3.7	1,257	3.7	65,382	3.7
Telecommunications line installers and repairers	26.14	3.8	1,046	3.8	54,374	3.8
Precision instrument and equipment repairers	28.36	9.1	1,120	8.3	58,226	8.3
Medical equipment repairers	25.33	11.9	1,013	11.9	52,696	11.9
Miscellaneous installation, maintenance, and repair workers	18.41	3.9	735	3.9	38,219	3.9
Coin, vending, and amusement machine servicers and repairers	15.12	11.5	605	11.5	31,457	11.5
Helpers--installation, maintenance, and repair workers	14.63	4.4	585	4.4	30,359	4.4
Production occupations	17.28	1.1	689	1.1	35,752	1.1
First-line supervisors/managers of production and operating workers	27.50	2.8	1,117	2.7	57,985	2.7
Aircraft structure, surfaces, rigging, and systems assemblers	24.93	3.5	997	3.5	51,860	3.5
Electrical, electronics, and electromechanical assemblers	14.84	3.1	592	3.1	30,808	3.1
Coil winders, tapers, and finishers	14.01	9.8	546	9.3	28,377	9.3
Electrical and electronic equipment assemblers	14.68	3.8	587	3.8	30,507	3.8
Electromechanical equipment assemblers	15.31	5.3	612	5.3	31,842	5.3
Engine and other machine assemblers	19.38	9.1	774	9.1	40,229	9.1
Structural metal fabricators and fitters	17.90	9.2	709	9.3	36,512	9.3
Miscellaneous assemblers and fabricators	16.94	3.0	675	3.1	35,091	3.1
Team assemblers	17.33	7.5	693	7.5	36,045	7.5
Bakers	17.24	17.6	681	17.7	35,063	17.7
Butchers and other meat, poultry, and fish processing workers	12.75	3.5	509	3.5	26,461	3.5
Butchers and meat cutters	17.75	4.0	701	4.1	36,445	4.1
Meat, poultry, and fish cutters and trimmers	10.40	5.2	416	5.2	21,641	5.2
Slaughterers and meat packers	12.78	3.1	511	3.1	26,572	3.1
Miscellaneous food processing workers	14.14	4.3	564	4.3	29,306	4.3
Food and tobacco roasting, baking, and drying machine operators and tenders	14.50	8.4	580	8.4	30,166	8.4

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 by occupation 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						
Food batchmakers	\$15.14	5.0%	\$602	4.9%	\$31,318	4.9%
Food cooking machine operators and tenders	11.43	8.3	457	8.3	23,779	8.3
Computer control programmers and operators	19.19	4.9	768	4.9	39,904	4.9
Computer-controlled machine tool operators, metal and plastic	18.53	4.9	741	4.9	38,526	4.9
Numerical tool and process control programmers	23.19	3.7	928	3.7	48,235	3.7
Forming machine setters, operators, and tenders, metal and plastic	16.96	5.6	672	5.6	34,865	5.6
Extruding and drawing machine setters, operators, and tenders, metal and plastic	16.75	4.6	660	4.6	34,301	4.6
Forging machine setters, operators, and tenders, metal and plastic	16.77	10.9	669	10.9	34,440	10.9
Rolling machine setters, operators, and tenders, metal and plastic	17.42	15.3	693	15.2	36,049	15.2
Machine tool cutting setters, operators, and tenders, metal and plastic	16.14	3.6	644	3.6	33,481	3.6
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	15.37	4.3	613	4.2	31,865	4.2
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	21.38	8.6	855	8.6	44,468	8.6
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	14.81	5.8	591	5.8	30,708	5.8
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	18.17	7.5	727	7.5	37,798	7.5
Milling and planing machine setters, operators, and tenders, metal and plastic	18.84	9.0	754	9.0	39,065	9.0
Machinists	23.98	2.3	957	2.3	49,742	2.3
Metal furnace and kiln operators and tenders	17.24	10.3	688	10.3	35,732	10.3
Metal-refining furnace operators and tenders	17.21	15.1	686	15.0	35,662	15.0
Pourers and casters, metal	17.30	9.6	690	9.6	35,883	9.6
Model makers and patternmakers, metal and plastic	25.06	7.4	1,003	7.4	52,081	7.4

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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						
Model makers, metal and plastic	\$27.44	7.8%	\$1,098	7.8%	\$57,070	7.8%
Patternmakers, metal and plastic	19.62	11.1	785	11.1	40,685	11.1
Molders and molding machine setters, operators, and tenders, metal and plastic	13.97	4.1	557	4.0	28,980	4.0
Foundry mold and coremakers	15.70	10.3	628	10.3	32,653	10.3
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.80	4.2	550	4.2	28,607	4.2
Multiple machine tool setters, operators, and tenders, metal and plastic	17.47	4.0	699	4.0	36,331	4.0
Tool and die makers	25.44	2.5	1,016	2.5	52,797	2.5
Welding, soldering, and brazing workers	18.40	2.6	733	2.6	38,059	2.6
Welders, cutters, solderers, and brazers	18.93	3.3	756	3.3	39,278	3.3
Welding, soldering, and brazing machine setters, operators, and tenders	16.78	3.8	662	3.8	34,341	3.8
Miscellaneous metalworkers and plastic workers	16.89	3.9	672	3.9	34,951	3.9
Heat treating equipment setters, operators, and tenders, metal and plastic	16.84	9.2	674	9.2	35,036	9.2
Lay-out workers, metal and plastic	18.48	13.3	739	13.3	38,447	13.3
Plating and coating machine setters, operators, and tenders, metal and plastic	19.05	5.5	762	5.5	39,620	5.5
Tool grinders, filers, and sharpeners	13.45	18.7	538	18.7	27,973	18.7
Bookbinders and bindery workers	15.32	11.5	604	10.7	31,422	10.7
Bindery workers	15.32	11.5	604	10.7	31,422	10.7
Printers	19.46	6.3	768	6.2	39,926	6.2
Job printers	22.36	6.2	888	6.3	46,179	6.3
Prepress technicians and workers	21.37	4.8	841	5.2	43,751	5.2
Printing machine operators	18.81	7.6	743	7.4	38,622	7.4
Laundry and dry-cleaning workers	10.12	3.3	400	3.3	20,777	3.3
Pressers, textile, garment, and related materials	11.54	4.1	460	4.3	23,836	4.3
Sewing machine operators	12.77	9.5	505	9.9	26,170	9.9
Tailors, dressmakers, and sewers	14.59	20.5	567	19.3	29,494	19.3
Tailors, dressmakers, and custom sewers ..	14.83	24.3	574	22.8	29,867	22.8
Textile machine setters, operators, and tenders	14.13	4.6	563	4.8	29,284	4.8
Textile cutting machine setters, operators, and tenders	12.67	7.2	507	7.2	26,346	7.2
Textile knitting and weaving machine setters, operators, and tenders	15.66	4.8	627	4.8	32,580	4.8

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings by occupation 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 winding, twisting, and drawing out machine setters, operators, and tenders	\$13.72	8.6%	\$545	9.2%	\$28,324	9.2%
Miscellaneous textile, apparel, and furnishings workers	14.64	8.6	581	8.3	30,204	8.3
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	16.75	9.2	660	9.4	34,338	9.4
Upholsterers	17.90	8.7	708	8.5	36,823	8.5
Cabinetmakers and bench carpenters	16.52	9.7	648	9.2	33,461	9.2
Furniture finishers	12.92	7.5	509	7.4	26,479	7.4
Woodworking machine setters, operators, and tenders	13.71	4.5	542	4.8	28,053	4.8
Sawing machine setters, operators, and tenders, wood	13.04	9.1	516	9.2	26,546	9.2
Woodworking machine setters, operators, and tenders, except sawing	14.14	3.2	558	3.7	29,009	3.7
Power plant operators, distributors, and dispatchers	33.85	3.9	1,352	3.9	70,312	3.9
Nuclear power reactor operators	35.92	3.0	1,437	3.0	74,708	3.0
Power distributors and dispatchers	40.30	5.6	1,612	5.6	83,829	5.6
Power plant operators	30.67	4.9	1,223	4.9	63,597	4.9
Stationary engineers and boiler operators	28.93	4.2	1,135	4.8	59,035	4.8
Water and liquid waste treatment plant and system operators	27.54	10.9	1,102	10.9	57,283	10.9
Miscellaneous plant and system operators	26.64	5.7	1,061	5.7	53,776	5.7
Chemical plant and system operators	25.33	5.3	1,000	5.0	51,987	5.0
Petroleum pump system operators, refinery operators, and gaugers	30.41	3.7	1,217	3.7	59,020	3.7
Chemical processing machine setters, operators, and tenders	24.31	9.7	969	9.8	50,376	9.8
Chemical equipment operators and tenders	20.65	12.2	824	12.2	42,844	12.2
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	26.61	10.9	1,060	11.1	55,110	11.1
Crushing, grinding, polishing, mixing, and blending workers	17.86	4.5	713	4.5	37,048	4.5
Crushing, grinding, and polishing machine setters, operators, and tenders	18.96	8.9	758	8.9	39,420	8.9
Grinding and polishing workers, hand	13.55	5.4	542	5.4	28,183	5.4
Mixing and blending machine setters, operators, and tenders	19.10	5.0	761	5.0	39,568	5.0
Cutting workers	14.45	5.1	576	5.1	29,170	5.1

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 by occupation 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						
Cutters and trimmers, hand	\$13.11	7.3%	\$518	7.1%	\$26,374	7.1%
Cutting and slicing machine setters, operators, and tenders	14.84	6.2	593	6.1	29,988	6.1
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	15.70	9.4	625	9.1	32,512	9.1
Furnace, kiln, oven, drier, and kettle operators and tenders	17.76	13.1	711	13.1	36,938	13.1
Inspectors, testers, sorters, samplers, and weighers	16.99	2.4	679	2.4	35,295	2.4
Medical, dental, and ophthalmic laboratory technicians	14.38	3.7	575	3.7	29,840	3.7
Ophthalmic laboratory technicians	13.43	5.4	537	5.4	27,829	5.4
Packaging and filling machine operators and tenders	15.25	4.8	608	4.8	31,581	4.8
Painting workers	16.43	3.6	656	3.6	34,135	3.6
Coating, painting, and spraying machine setters, operators, and tenders	15.32	3.9	612	3.9	31,817	3.9
Painters, transportation equipment	19.84	6.9	794	6.9	41,273	6.9
Painting, coating, and decorating workers	14.79	8.2	592	8.2	30,769	8.2
Semiconductor processors	18.13	4.6	724	4.7	37,669	4.7
Miscellaneous production workers	14.98	3.4	595	3.4	30,743	3.4
Cementing and gluing machine operators and tenders	16.56	9.7	644	11.1	33,464	11.1
Cleaning, washing, and metal pickling equipment operators and tenders	21.45	18.1	858	18.1	44,609	18.1
Cooling and freezing equipment operators and tenders	15.03	18.6	594	17.6	30,872	17.6
Molders, shapers, and casters, except metal and plastic	16.20	6.7	648	6.7	33,688	6.7
Paper goods machine setters, operators, and tenders	18.81	9.8	752	9.7	39,125	9.7
Tire builders	18.39	8.5	736	8.5	38,247	8.5
Helpers--production workers	12.79	3.2	507	3.1	25,815	3.1
Transportation and material moving occupations	17.98	1.6	718	1.6	37,120	1.6
First-line supervisors/managers of helpers, laborers, and material movers, hand	23.13	3.6	950	4.1	49,394	4.1
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	27.20	4.4	1,132	4.6	58,884	4.6

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 by occupation 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						
Aircraft pilots and flight engineers	\$110.33	7.8%	\$2,404	8.9%	\$125,014	8.9%
Airline pilots, copilots, and flight engineers	112.97	8.1	2,412	9.2	125,431	9.2
Bus drivers	17.16	10.4	692	8.6	35,626	8.6
Bus drivers, transit and intercity	17.49	10.7	719	9.8	37,211	9.8
Bus drivers, school	14.84	15.5	532	9.2	26,338	9.2
Driver/sales workers and truck drivers	20.27	1.8	860	1.9	44,680	1.9
Driver/sales workers	16.00	6.0	651	6.4	33,841	6.4
Truck drivers, heavy and tractor-trailer	20.11	2.2	879	2.3	45,633	2.3
Truck drivers, light or delivery services	21.23	3.6	857	3.7	44,490	3.7
Taxi drivers and chauffeurs	12.56	8.6	502	6.9	26,021	6.9
Railroad brake, signal, and switch operators	30.65	4.7	1,226	4.7	63,758	4.7
Railroad conductors and yardmasters	35.31	3.6	1,412	3.6	73,447	3.6
Sailors and marine oilers	13.40	7.4	611	8.1	28,791	8.1
Parking lot attendants	8.39	4.2	328	4.2	16,859	4.2
Service station attendants	11.39	13.7	456	13.7	23,694	13.7
Transportation inspectors	30.60	5.3	1,224	5.3	63,644	5.3
Conveyor operators and tenders	15.45	11.3	618	11.3	32,142	11.3
Crane and tower operators	21.04	8.4	840	8.4	43,693	8.4
Dredge, excavating, and loading machine operators	19.36	7.4	774	7.4	40,120	7.4
Excavating and loading machine and dragline operators	19.25	7.4	770	7.4	39,896	7.4
Industrial truck and tractor operators	15.48	2.6	619	2.6	31,992	2.6
Laborers and material movers, hand	12.58	1.8	500	1.8	25,748	1.8
Cleaners of vehicles and equipment	12.01	4.1	481	4.1	24,880	4.1
Laborers and freight, stock, and material movers, hand	13.25	1.9	527	1.9	27,075	1.9
Machine feeders and offbearers	12.94	4.4	511	4.3	26,559	4.3
Packers and packagers, hand	11.10	3.5	440	3.6	22,669	3.6
Tank car, truck, and ship loaders	19.18	7.9	774	10.9	39,023	10.9

¹ The NCS uses the 2000 Standard Occupational Classification coding structure, which defines more than 800 unique occupations, to match jobs sampled by the survey. Military occupations are excluded from the survey.

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 chapter 8 of the BLS Handbook of

Methods, at http://www.bls.gov/pub/hom/homch8_a.htm.

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.