

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	\$24.23	1.2%	\$961	1.2%	\$49,647	1.2%
Management occupations	51.66	1.2	2,081	1.2	108,178	1.2
Chief executives	130.14	12.9	5,620	13.7	292,228	13.7
General and operations managers	61.22	4.0	2,500	4.3	130,020	4.3
Advertising and promotions managers	42.85	6.8	1,744	6.8	90,664	6.8
Marketing and sales managers	55.14	2.4	2,223	2.5	115,571	2.5
Marketing managers	56.45	2.4	2,255	2.2	117,236	2.2
Sales managers	53.12	5.1	2,172	5.5	112,950	5.5
Public relations managers	35.88	14.1	1,407	13.5	73,148	13.5
Administrative services managers	36.82	4.1	1,480	4.2	76,978	4.2
Computer and information systems managers	59.02	3.0	2,394	3.0	124,457	3.0
Financial managers	54.70	2.5	2,189	2.5	113,848	2.5
Human resources managers	46.54	3.4	1,865	3.2	97,003	3.2
Compensation and benefits managers	41.66	7.9	1,688	7.7	87,792	7.7
Training and development managers	47.70	6.3	1,890	6.1	98,291	6.1
Industrial production managers	50.47	6.4	2,048	6.2	106,494	6.2
Purchasing managers	53.95	6.4	2,160	6.3	112,313	6.3
Transportation, storage, and distribution managers	44.94	5.6	1,804	5.5	93,812	5.5
Construction managers	43.81	3.7	1,794	3.6	93,310	3.6
Education administrators	39.49	3.8	1,514	3.6	78,332	3.6
Education administrators, elementary and secondary school	27.59	16.6	1,121	17.3	55,764	17.3
Education administrators, postsecondary ..	41.03	4.0	1,559	3.8	80,918	3.8
Engineering managers	60.93	2.2	2,462	2.2	128,023	2.2
Food service managers	26.55	7.1	1,145	6.7	59,002	6.7
Gaming managers	33.84	1.7	1,407	4.1	73,160	4.1
Lodging managers	27.49	10.6	1,172	7.6	60,957	7.6
Medical and health services managers	45.32	3.7	1,829	3.6	95,090	3.6
Natural sciences managers	48.38	11.4	1,973	12.1	102,572	12.1
Property, real estate, and community association managers	36.24	8.2	1,421	7.3	73,917	7.3
Social and community service managers	28.68	4.8	1,130	4.9	58,753	4.9
Business and financial operations occupations	33.22	.9	1,327	.9	69,014	.9
Buyers and purchasing agents	31.17	2.6	1,265	2.9	65,793	2.9
Purchasing agents and buyers, farm products	30.34	7.7	1,214	7.7	63,103	7.7
Wholesale and retail buyers, except farm products	30.84	3.3	1,234	3.3	64,117	3.3

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings 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						
Purchasing agents, except wholesale, retail, and farm products	\$31.33	3.7%	\$1,280	4.2%	\$66,548	4.2%
Claims adjusters, appraisers, examiners, and investigators	27.63	3.5	1,079	3.6	56,107	3.6
Claims adjusters, examiners, and investigators	27.65	3.6	1,080	3.7	56,157	3.7
Insurance appraisers, auto damage	26.61	8.1	1,037	7.4	53,902	7.4
Compliance officers, except agriculture, construction, health and safety, and transportation	31.78	6.1	1,302	5.4	67,685	5.4
Cost estimators	36.37	4.3	1,476	4.3	76,740	4.3
Human resources, training, and labor relations specialists	30.62	2.7	1,215	2.8	63,183	2.8
Employment, recruitment, and placement specialists	27.13	5.4	1,082	5.8	56,243	5.8
Compensation, benefits, and job analysis specialists	29.35	4.9	1,160	4.8	60,341	4.8
Training and development specialists	31.83	3.6	1,259	3.7	65,459	3.7
Logisticians	35.32	3.8	1,416	3.8	73,646	3.8
Management analysts	40.20	2.7	1,607	2.6	83,550	2.6
Meeting and convention planners	24.33	9.5	964	9.5	50,145	9.5
Accountants and auditors	30.41	2.1	1,214	2.1	63,131	2.1
Budget analysts	36.83	4.6	1,467	5.1	76,297	5.1
Credit analysts	33.28	6.9	1,320	6.8	68,662	6.8
Financial analysts and advisors	37.86	2.4	1,518	2.4	78,929	2.4
Financial analysts	39.65	3.1	1,597	3.0	83,046	3.0
Personal financial advisors	33.23	10.5	1,329	10.5	69,127	10.5
Insurance underwriters	33.28	5.7	1,312	5.8	68,241	5.8
Financial examiners	32.24	7.3	1,279	7.7	66,512	7.7
Loan counselors and officers	30.74	4.5	1,234	4.5	64,155	4.5
Loan counselors	20.61	22.6	823	22.6	42,785	22.6
Loan officers	31.98	4.6	1,284	4.7	66,781	4.7
Computer and mathematical science occupations						
Computer and information scientists, research	55.29	8.4	2,212	8.4	115,009	8.4
Computer programmers	35.35	4.3	1,409	4.2	73,244	4.2
Computer software engineers	45.17	1.3	1,832	1.3	95,248	1.3
Computer software engineers, applications	43.04	1.7	1,757	1.8	91,353	1.8

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
Computer and mathematical science occupations –Continued						
Computer software engineers, systems software	\$47.19	1.7%	\$1,902	1.7%	\$98,891	1.7%
Computer support specialists	26.57	3.1	1,059	3.1	54,954	3.1
Computer systems analysts	39.60	1.1	1,582	1.1	82,243	1.1
Database administrators	40.08	5.9	1,604	6.0	83,397	6.0
Network and computer systems administrators	36.38	3.4	1,445	3.4	75,105	3.4
Network systems and data communications analysts	34.34	3.3	1,372	3.3	71,326	3.3
Actuaries	42.65	5.2	1,683	5.0	87,492	5.0
Operations research analysts	38.55	6.7	1,508	6.8	78,415	6.8
Statisticians	46.96	6.0	1,833	6.3	95,291	6.3
Architecture and engineering occupations	39.73	1.5	1,601	1.5	83,184	1.5
Architects, except naval	36.87	5.8	1,497	5.4	77,870	5.4
Architects, except landscape and naval	37.93	5.3	1,529	5.7	79,496	5.7
Engineers	43.84	1.3	1,770	1.3	92,048	1.3
Aerospace engineers	51.62	2.1	2,075	2.1	107,909	2.1
Chemical engineers	44.71	5.8	1,797	5.9	93,432	5.9
Civil engineers	41.09	5.9	1,651	5.9	85,873	5.9
Computer hardware engineers	48.28	4.8	2,023	4.2	105,222	4.2
Electrical and electronics engineers	43.17	3.8	1,740	3.8	90,485	3.8
Electrical engineers	42.38	3.3	1,716	3.2	89,212	3.2
Electronics engineers, except computer	43.95	6.6	1,764	6.5	91,746	6.5
Environmental engineers	41.20	9.3	1,648	9.3	85,692	9.3
Industrial engineers, including health and safety	38.70	2.5	1,576	2.4	81,952	2.4
Health and safety engineers, except mining safety engineers and inspectors	45.40	8.2	1,831	7.9	95,193	7.9
Industrial engineers	37.06	2.0	1,513	1.9	78,661	1.9
Materials engineers	44.28	11.7	1,792	10.9	93,187	10.9
Mechanical engineers	39.64	2.2	1,599	2.5	83,087	2.5
Nuclear engineers	45.79	7.0	1,832	7.0	95,248	7.0
Petroleum engineers	52.35	8.6	2,094	8.6	108,889	8.6
Drafters	28.85	5.5	1,153	5.5	59,969	5.5
Architectural and civil drafters	30.36	5.0	1,214	5.0	63,147	5.0
Electrical and electronics drafters	29.02	12.5	1,161	12.5	60,352	12.5
Mechanical drafters	24.25	3.5	968	3.5	50,352	3.5
Engineering technicians, except drafters	28.29	1.8	1,132	1.8	58,651	1.8

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
Architecture and engineering occupations						
–Continued						
Aerospace engineering and operations technicians	\$31.21	1.6%	\$1,248	1.6%	\$64,917	1.6%
Electrical and electronic engineering technicians	27.24	2.4	1,089	2.4	56,631	2.4
Electro-mechanical technicians	25.61	8.1	1,024	8.1	53,268	8.1
Industrial engineering technicians	27.78	4.3	1,116	4.4	58,013	4.4
Mechanical engineering technicians	25.53	3.7	1,023	3.7	53,206	3.7
Surveying and mapping technicians	26.45	24.8	1,058	24.8	55,015	24.8
Life, physical, and social science occupations	35.29	3.2	1,395	3.1	72,323	3.1
Life scientists	39.48	6.7	1,538	6.9	79,996	6.9
Biological scientists	35.78	6.8	1,410	7.0	73,312	7.0
Biochemists and biophysicists	42.51	9.8	1,667	9.9	86,669	9.9
Microbiologists	35.87	7.6	1,443	7.0	75,033	7.0
Medical scientists	43.53	10.4	1,691	10.5	87,915	10.5
Physical scientists	44.72	4.0	1,777	4.0	91,893	4.0
Astronomers and physicists	63.77	11.2	2,484	9.1	129,162	9.1
Physicists	63.68	12.1	2,475	9.8	128,708	9.8
Chemists and materials scientists	40.89	5.0	1,669	5.0	86,769	5.0
Chemists	38.54	6.0	1,572	5.9	81,757	5.9
Materials scientists	48.74	5.9	1,990	5.2	103,474	5.2
Environmental scientists and geoscientists	42.36	13.8	1,695	13.8	88,115	13.8
Environmental scientists and specialists, including health	39.79	15.1	1,591	15.1	82,754	15.1
Geoscientists, except hydrologists and geographers	47.54	16.0	1,901	16.0	98,878	16.0
Economists	44.44	9.3	1,751	9.5	91,034	9.5
Market and survey researchers	38.86	5.9	1,551	5.8	80,641	5.8
Market research analysts	39.11	6.1	1,560	6.1	81,146	6.1
Psychologists	32.62	13.9	1,286	13.5	64,887	13.5
Clinical, counseling, and school psychologists	34.18	15.0	1,338	14.4	67,251	14.4
Miscellaneous social scientists and related workers	39.76	8.7	1,583	8.6	82,329	8.6
Agricultural and food science technicians	19.93	8.8	793	8.6	41,250	8.6
Biological technicians	21.82	6.1	859	6.1	44,686	6.1
Chemical technicians	25.25	5.3	1,009	5.3	52,474	5.3
Nuclear technicians	36.90	6.7	1,476	6.7	76,753	6.7
Social science research assistants	22.01	6.2	875	5.8	44,488	5.8
Miscellaneous life, physical, and social science technicians	23.05	10.9	917	11.0	47,672	11.0

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings 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	\$25.23	20.8%	\$1,009	20.8%	\$52,485	20.8%
Community and social services occupations	19.34	2.2	762	2.2	39,591	2.2
Counselors	19.22	2.9	755	2.8	39,223	2.8
Substance abuse and behavioral disorder counselors	18.81	5.3	747	5.3	38,706	5.3
Educational, vocational, and school counselors	20.85	5.0	820	4.8	42,576	4.8
Mental health counselors	19.61	4.7	768	3.8	39,955	3.8
Rehabilitation counselors	17.42	5.9	677	5.5	35,191	5.5
Social workers	20.72	3.8	813	3.7	42,256	3.7
Child, family, and school social workers ..	16.86	2.9	669	2.9	34,734	2.9
Medical and public health social workers	25.84	3.3	1,001	3.6	52,041	3.6
Mental health and substance abuse social workers	17.86	4.2	704	4.1	36,591	4.1
Miscellaneous community and social service specialists	15.40	4.2	613	4.0	31,898	4.0
Health educators	24.37	12.7	929	11.4	48,287	11.4
Social and human service assistants	13.22	3.6	525	3.6	27,285	3.6
Clergy	22.84	4.0	923	3.7	47,997	3.7
Legal occupations	59.31	6.3	2,355	6.2	122,358	6.2
Lawyers	77.55	6.4	3,089	6.3	160,615	6.3
Paralegals and legal assistants	29.74	3.9	1,176	4.2	61,135	4.2
Miscellaneous legal support workers	24.93	15.4	983	14.6	50,395	14.6
Education, training, and library occupations	40.91	3.5	1,568	3.3	67,705	3.3
Postsecondary teachers	52.76	2.8	2,039	2.8	85,606	2.8
Business teachers, postsecondary	69.02	7.0	2,660	6.5	102,971	6.5
Math and computer teachers, postsecondary	51.10	7.8	1,969	7.5	77,399	7.5
Computer science teachers, postsecondary	57.31	11.0	2,191	11.5	93,334	11.5
Mathematical science teachers, postsecondary	47.90	9.4	1,853	8.6	70,035	8.6
Engineering and architecture teachers, postsecondary	71.55	7.9	2,791	7.4	109,547	7.4
Engineering teachers, postsecondary	73.29	7.6	2,854	7.1	112,367	7.1
Life sciences teachers, postsecondary	60.95	7.7	2,493	8.1	111,635	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 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						
Biological science teachers, postsecondary	\$60.95	7.7%	\$2,493	8.1%	\$111,635	8.1%
Physical sciences teachers, postsecondary	56.45	5.4	2,194	5.1	90,081	5.1
Chemistry teachers, postsecondary	50.10	5.3	1,875	5.1	71,853	5.1
Physics teachers, postsecondary	65.88	7.6	2,565	6.6	114,977	6.6
Social sciences teachers, postsecondary	51.35	4.5	1,947	3.5	76,309	3.5
Anthropology and archeology teachers, postsecondary	46.77	3.6	1,781	3.3	69,294	3.3
Economics teachers, postsecondary	69.02	8.2	2,438	5.3	86,425	5.3
Political science teachers, postsecondary	51.06	3.0	1,971	2.4	89,421	2.4
Psychology teachers, postsecondary	49.36	10.2	1,940	6.7	74,967	6.7
Sociology teachers, postsecondary	56.54	14.7	2,096	13.5	77,887	13.5
Health teachers, postsecondary	63.44	5.6	2,482	5.6	112,213	5.6
Health specialties teachers, postsecondary	71.95	6.1	2,827	6.1	125,331	6.1
Nursing instructors and teachers, postsecondary	39.22	2.3	1,516	2.5	72,539	2.5
Education and library science teachers, postsecondary	40.57	7.3	1,563	6.7	62,954	6.7
Education teachers, postsecondary	40.23	7.6	1,556	7.0	62,971	7.0
Law, criminal justice, and social work teachers, postsecondary	67.79	10.3	2,599	10.4	109,313	10.4
Law teachers, postsecondary	81.89	7.3	3,236	5.3	136,113	5.3
Arts, communications, and humanities teachers, postsecondary	45.00	3.9	1,706	4.0	65,761	4.0
Art, drama, and music teachers, postsecondary	37.94	5.9	1,421	6.9	53,805	6.9
Communications teachers, postsecondary	46.31	20.1	1,797	19.2	68,571	19.2
English language and literature teachers, postsecondary	48.75	6.7	1,845	6.0	73,149	6.0
Foreign language and literature teachers, postsecondary	53.04	6.9	1,982	6.5	74,202	6.5
History teachers, postsecondary	49.21	8.3	1,908	7.9	73,835	7.9
Philosophy and religion teachers, postsecondary	44.16	8.2	1,695	6.9	66,773	6.9
Miscellaneous postsecondary teachers	40.41	5.9	1,549	5.6	69,539	5.6
Primary, secondary, and special education school teachers	31.94	7.5	1,201	6.9	47,350	6.9
Preschool and kindergarten teachers	17.68	8.0	670	8.1	31,125	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 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						
Preschool teachers, except special education	\$15.76	6.3%	\$597	7.6%	\$28,624	7.6%
Kindergarten teachers, except special education	31.12	7.7	1,180	8.8	45,122	8.8
Elementary and middle school teachers	31.12	4.6	1,115	7.0	42,276	7.0
Elementary school teachers, except special education	29.69	5.8	1,020	10.1	38,774	10.1
Middle school teachers, except special and vocational education	33.01	6.4	1,252	6.2	47,333	6.2
Secondary school teachers	36.93	8.4	1,428	7.1	54,056	7.1
Secondary school teachers, except special and vocational education	36.93	8.4	1,428	7.1	54,056	7.1
Special education teachers	35.54	24.8	1,292	21.5	53,630	21.5
Other teachers and instructors	31.54	21.8	1,239	21.8	63,530	21.8
Adult literacy, remedial education, and GED teachers and instructors	20.03	19.0	781	17.4	37,424	17.4
Archivists, curators, and museum technicians	24.36	9.2	916	6.9	47,617	6.9
Librarians	33.09	7.7	1,248	7.8	62,171	7.8
Library technicians	19.20	5.1	726	5.5	37,522	5.5
Instructional coordinators	34.79	6.8	1,384	6.9	71,974	6.9
Teacher assistants	13.00	7.6	495	6.6	24,518	6.6
Arts, design, entertainment, sports, and media occupations	31.96	2.8	1,262	2.8	65,175	2.8
Artists and related workers	36.28	9.3	1,451	8.9	75,460	8.9
Art directors	43.08	9.6	1,711	9.0	88,973	9.0
Multi-media artists and animators	29.43	10.7	1,197	10.6	62,230	10.6
Designers	27.07	4.5	1,072	4.5	55,735	4.5
Commercial and industrial designers	32.56	11.3	1,300	11.3	67,607	11.3
Graphic designers	24.16	5.4	951	5.3	49,475	5.3
Interior designers	29.69	6.7	1,162	5.9	60,424	5.9
Set and exhibit designers	23.49	10.6	981	13.1	51,034	13.1
Actors, producers, and directors	44.74	10.6	1,821	10.9	94,706	10.9
Producers and directors	46.95	10.0	1,915	10.3	99,560	10.3
Athletes, coaches, umpires, and related workers	26.63	7.6	1,017	7.9	49,555	7.9
Coaches and scouts	26.63	7.6	1,017	7.9	49,555	7.9
Announcers	51.36	28.2	2,002	26.9	104,119	26.9
Radio and television announcers	51.36	28.2	2,002	26.9	104,119	26.9
News analysts, reporters and correspondents	45.53	12.7	1,770	12.2	91,691	12.2

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
Arts, design, entertainment, sports, and media occupations –Continued						
Reporters and correspondents	\$37.85	11.6%	\$1,465	10.6%	\$75,848	10.6%
Public relations specialists	31.46	7.5	1,228	7.5	63,849	7.5
Writers and editors	31.36	7.9	1,230	7.8	63,960	7.8
Editors	33.65	13.4	1,298	13.3	67,500	13.3
Technical writers	29.86	5.6	1,196	5.6	62,197	5.6
Writers and authors	22.36	7.7	892	7.7	46,365	7.7
Miscellaneous media and communication workers	22.85	5.0	903	4.2	46,780	4.2
Broadcast and sound engineering technicians and radio operators	31.95	7.8	1,276	7.9	66,329	7.9
Audio and video equipment technicians	28.31	20.2	1,127	20.5	58,612	20.5
Broadcast technicians	25.60	12.8	1,024	12.8	53,245	12.8
Photographers	21.37	12.3	852	12.3	38,098	12.3
Television, video, and motion picture camera operators and editors	29.39	5.4	1,150	5.7	59,799	5.7
Camera operators, television, video, and motion picture	29.62	9.3	1,185	9.3	61,613	9.3
Healthcare practitioner and technical occupations						
Dietitians and nutritionists	30.77	1.8	1,203	1.8	62,503	1.8
Pharmacists	24.89	3.6	974	4.1	50,555	4.1
Physicians and surgeons	54.40	.9	2,153	1.0	111,949	1.0
Family and general practitioners	71.59	8.1	2,940	8.4	152,898	8.4
Internists, general	67.76	21.4	2,781	19.2	144,614	19.2
Pediatricians, general	69.37	5.7	2,756	5.8	143,327	5.8
Psychiatrists	70.11	8.1	2,863	7.9	148,856	7.9
Physician assistants	83.42	7.0	2,970	1.1	154,440	1.1
Registered nurses	44.78	4.0	1,819	3.3	94,582	3.3
Therapists	33.01	.9	1,270	1.0	66,045	1.0
Occupational therapists	29.98	2.9	1,177	2.7	60,965	2.7
Physical therapists	34.07	4.0	1,347	4.0	70,033	4.0
Radiation therapists	33.15	5.9	1,309	5.6	67,712	5.6
Recreational therapists	32.67	4.5	1,307	4.5	67,954	4.5
Respiratory therapists	16.52	6.1	658	6.1	34,232	6.1
Speech-language pathologists	25.98	2.3	1,006	2.4	52,306	2.4
Clinical laboratory technologists and technicians	29.49	10.1	1,139	8.6	57,382	8.6
Medical and clinical laboratory technologists	23.02	1.7	909	1.8	47,286	1.8
Medical and clinical laboratory technologists	26.92	2.1	1,065	2.1	55,373	2.1

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
Healthcare practitioner and technical occupations –Continued						
Medical and clinical laboratory technicians	\$18.40	3.5%	\$725	3.5%	\$37,724	3.5%
Diagnostic related technologists and technicians	27.87	2.6	1,100	2.6	57,184	2.6
Cardiovascular technologists and technicians	26.40	6.6	1,047	6.7	54,452	6.7
Diagnostic medical sonographers	35.01	3.1	1,387	2.9	72,142	2.9
Nuclear medicine technologists	38.42	7.9	1,537	7.9	79,911	7.9
Radiologic technologists and technicians ..	26.32	3.0	1,035	2.9	53,842	2.9
Emergency medical technicians and paramedics	14.65	8.3	601	8.1	30,968	8.1
Health diagnosing and treating practitioner support technicians	18.00	3.2	708	3.3	36,821	3.3
Dietetic technicians	13.25	25.0	518	26.5	26,914	26.5
Pharmacy technicians	15.49	3.2	612	3.1	31,845	3.1
Psychiatric technicians	15.21	9.8	600	9.9	31,185	9.9
Respiratory therapy technicians	25.58	5.4	990	6.4	51,477	6.4
Surgical technologists	19.82	2.5	780	2.5	40,585	2.5
Licensed practical and licensed vocational nurses	20.56	1.3	802	1.3	41,717	1.3
Medical records and health information technicians	17.07	3.7	673	3.7	34,975	3.7
Opticians, dispensing	20.18	9.2	801	9.7	41,639	9.7
Miscellaneous health technologists and technicians	20.57	5.3	820	5.3	42,617	5.3
Occupational health and safety specialists and technicians	30.48	5.4	1,228	5.3	63,833	5.3
Occupational health and safety specialists	30.67	8.2	1,241	7.9	64,525	7.9
Occupational health and safety technicians	30.21	6.5	1,208	6.5	62,838	6.5
Miscellaneous healthcare practitioner and technical workers	26.14	8.7	1,045	8.7	51,549	8.7
Healthcare support occupations	13.01	1.2	506	1.3	26,311	1.3
Nursing, psychiatric, and home health aides	12.10	1.1	468	1.3	24,333	1.3
Home health aides	10.88	3.6	415	4.7	21,574	4.7
Nursing aides, orderlies, and attendants	12.43	1.0	482	1.0	25,071	1.0
Psychiatric aides	11.70	4.0	461	4.8	23,979	4.8
Occupational therapist assistants and aides ...	22.46	7.3	888	8.1	46,185	8.1
Occupational therapist assistants	22.77	7.8	900	8.7	46,779	8.7
Physical therapist assistants and aides	18.75	11.4	742	11.7	38,581	11.7
Physical therapist assistants	23.80	9.3	951	9.3	49,468	9.3

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
Healthcare support occupations –Continued						
Physical therapist aides	\$12.05	3.6%	\$471	3.9%	\$24,492	3.9%
Miscellaneous healthcare support occupations	15.10	1.7	597	1.8	31,066	1.8
Medical assistants	15.57	3.3	616	3.4	32,013	3.4
Medical equipment preparers	15.89	4.3	625	4.0	32,517	4.0
Medical transcriptionists	16.25	3.1	635	3.3	33,024	3.3
Pharmacy aides	16.48	12.4	659	12.4	34,287	12.4
Protective service occupations	13.12	3.4	521	3.3	26,296	3.3
Bailiffs, correctional officers, and jailers	11.27	13.2	450	13.1	23,377	13.1
Correctional officers and jailers	11.27	13.2	450	13.1	23,377	13.1
Police officers	19.62	5.0	781	4.9	40,588	4.9
Police and sheriff's patrol officers	19.62	5.0	781	4.9	40,588	4.9
Private detectives and investigators	19.49	15.4	780	15.4	40,537	15.4
Security guards and gaming surveillance officers	12.08	2.5	479	2.5	24,910	2.5
Security guards	12.06	2.6	478	2.6	24,856	2.6
Miscellaneous protective service workers	12.95	12.2	496	12.2	13,856	12.2
Lifeguards, ski patrol, and other recreational protective service workers	10.37	9.9	413	9.9	8,567	9.9
Food preparation and serving related occupations	10.97	2.2	427	2.2	21,969	2.2
First-line supervisors/managers, food preparation and serving workers	18.48	2.5	748	2.6	38,083	2.6
Chefs and head cooks	21.69	6.5	881	6.7	45,004	6.7
First-line supervisors/managers of food preparation and serving workers	17.70	2.6	716	2.7	36,420	2.7
Cooks	13.30	2.0	520	1.8	26,890	1.8
Cooks, fast food	10.41	9.5	403	10.1	20,933	10.1
Cooks, institution and cafeteria	13.77	2.6	539	2.3	27,660	2.3
Cooks, restaurant	13.14	2.3	515	2.4	26,770	2.4
Cooks, short order	12.11	5.5	466	6.6	24,237	6.6
Food preparation workers	11.53	3.4	459	3.4	23,586	3.4
Food service, tipped	6.84	3.6	260	3.9	13,470	3.9
Bartenders	8.32	8.3	319	9.2	16,214	9.2
Waiters and waitresses	5.84	4.1	221	4.8	11,474	4.8
Dining room and cafeteria attendants and bartender helpers	9.12	2.9	355	3.3	18,284	3.3
Fast food and counter workers	11.08	2.0	435	2.1	21,923	2.1
Combined food preparation and serving workers, including fast food	11.26	2.6	443	2.7	22,625	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 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
Food preparation and serving related occupations –Continued						
Counter attendants, cafeteria, food concession, and coffee shop	\$10.57	3.9%	\$411	3.9%	\$20,012	3.9%
Food servers, nonrestaurant	10.15	6.4	395	6.1	20,515	6.1
Dishwashers	11.07	3.2	432	3.4	22,396	3.4
Hosts and hostesses, restaurant, lounge, and coffee shop	8.17	8.6	303	9.0	15,773	9.0
Building and grounds cleaning and maintenance occupations						
First-line supervisors/managers, building and grounds cleaning and maintenance workers	12.91	2.3	510	2.4	26,333	2.4
First-line supervisors/managers of housekeeping and janitorial workers ...	18.92	4.0	753	3.9	39,008	3.9
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	18.80	4.5	747	4.3	38,841	4.3
Building cleaning workers	20.00	6.4	811	5.8	40,450	5.8
Janitors and cleaners, except maids and housekeeping cleaners	12.52	2.6	495	2.7	25,567	2.7
Maids and housekeeping cleaners	13.06	3.4	519	3.5	26,862	3.5
Grounds maintenance workers	11.15	5.1	437	4.9	22,496	4.9
Landscaping and groundskeeping workers	12.43	3.0	490	3.1	24,761	3.1
Landscaping and groundskeeping workers	12.19	3.1	480	3.3	24,321	3.3
Personal care and service occupations						
First-line supervisors/managers of gaming workers	12.80	8.3	470	5.9	23,940	5.9
Gaming supervisors	15.88	4.5	640	4.4	33,254	4.4
Slot key persons	17.89	9.3	723	9.7	37,614	9.7
First-line supervisors/managers of personal service workers	12.14	3.8	485	3.8	25,232	3.8
Nonfarm animal caretakers	17.15	6.4	691	6.8	35,918	6.8
Gaming services workers	15.66	9.2	620	9.1	32,216	9.1
Gaming dealers	7.36	6.3	292	5.6	15,167	5.6
Gaming and sports book writers and runners	7.12	4.3	282	3.5	14,672	3.5
Miscellaneous entertainment attendants and related workers	11.30	15.4	452	15.4	23,510	15.4
Amusement and recreation attendants	11.16	5.3	439	5.8	18,121	5.8
Locker room, coatroom, and dressing room attendants	10.71	6.5	422	7.2	15,760	7.2
Locker room, coatroom, and dressing room attendants	11.88	8.3	464	8.3	24,132	8.3

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
Personal care and service occupations						
–Continued						
Miscellaneous personal appearance workers	\$14.58	22.9%	\$543	24.9%	\$28,242	24.9%
Baggage porters, bellhops, and concierges	10.15	4.8	401	4.7	20,860	4.7
Baggage porters and bellhops	8.52	3.4	338	3.5	17,561	3.5
Concierges	13.80	6.3	541	6.4	28,139	6.4
Transportation attendants	35.71	3.4	723	3.4	37,617	3.4
Flight attendants	36.99	3.4	725	3.3	37,710	3.3
Child care workers	12.07	4.0	467	4.8	24,249	4.8
Personal and home care aides	10.00	2.3	401	2.7	20,853	2.7
Recreation and fitness workers	14.53	5.7	573	5.8	25,628	5.8
Fitness trainers and aerobics instructors	19.72	9.1	774	8.3	34,327	8.3
Recreation workers	13.22	5.2	522	5.3	23,390	5.3
Residential advisors	15.14	18.2	600	18.3	30,110	18.3
Sales and related occupations	19.81	2.2	788	2.2	40,871	2.2
First-line supervisors/managers, sales workers	21.91	4.0	880	4.0	45,635	4.0
First-line supervisors/managers of retail sales workers	19.39	2.7	777	2.8	40,291	2.8
First-line supervisors/managers of non-retail sales workers	34.78	14.0	1,410	13.8	73,297	13.8
Retail sales workers	12.98	1.3	514	1.3	26,644	1.3
Cashiers, all workers	11.79	1.3	468	1.3	24,152	1.3
Cashiers	11.67	1.0	463	1.1	23,870	1.1
Gaming change persons and booth cashiers	13.00	7.1	519	7.2	26,994	7.2
Counter and rental clerks and parts salespersons	17.05	8.2	686	8.3	35,674	8.3
Counter and rental clerks	17.59	15.9	699	16.0	36,343	16.0
Parts salespersons	16.56	5.4	674	5.6	35,060	5.6
Retail salespersons	13.50	1.6	534	1.6	27,708	1.6
Advertising sales agents	23.18	9.1	920	9.0	47,858	9.0
Insurance sales agents	26.69	9.5	1,054	9.4	54,789	9.4
Securities, commodities, and financial services sales agents	58.34	6.5	2,334	6.9	121,367	6.9
Travel agents	15.70	7.9	622	8.1	32,358	8.1
Sales representatives, wholesale and manufacturing	35.20	5.5	1,424	5.5	74,057	5.5
Sales representatives, wholesale and manufacturing, technical and scientific products	42.88	7.1	1,714	7.1	89,106	7.1

See footnotes at end of table.

RSE Table 31

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings 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
Sales and related occupations –Continued						
Sales representatives, wholesale and manufacturing, except technical and scientific products	\$30.83	6.0%	\$1,256	6.2%	\$65,321	6.2%
Models, demonstrators, and product promoters	20.64	15.2	824	15.2	42,113	15.2
Demonstrators and product promoters	20.64	15.2	824	15.2	42,113	15.2
Real estate brokers and sales agents	21.31	15.9	849	15.7	44,129	15.7
Real estate sales agents	19.41	17.7	777	17.7	40,379	17.7
Sales engineers	41.18	7.6	1,692	7.5	87,977	7.5
Telemarketers	12.98	4.3	510	4.3	26,501	4.3
Miscellaneous sales and related workers	19.92	5.8	782	6.0	40,475	6.0
Office and administrative support occupations						
First-line supervisors/managers of office and administrative support workers	16.87	.7	668	.7	34,726	.7
Switchboard operators, including answering service	24.98	2.1	1,001	2.2	52,042	2.2
Telephone operators	12.79	3.8	502	3.7	26,101	3.7
Financial clerks	12.30	11.1	489	10.8	25,447	10.8
Bill and account collectors	16.37	1.6	648	1.6	33,712	1.6
Billing and posting clerks and machine operators	15.58	5.7	621	5.7	32,266	5.7
Bookkeeping, accounting, and auditing clerks	16.59	2.2	656	2.1	34,088	2.1
Gaming cage workers	16.79	1.3	662	1.3	34,412	1.3
Payroll and timekeeping clerks	11.60	4.7	461	4.4	23,990	4.4
Procurement clerks	19.41	3.0	772	3.2	40,136	3.2
Tellers	17.55	4.6	702	4.6	36,478	4.6
Brokerage clerks	12.67	1.8	505	1.8	26,271	1.8
Correspondence clerks	20.64	3.4	819	3.4	42,613	3.4
Credit authorizers, checkers, and clerks	18.09	3.5	724	3.5	37,629	3.5
Customer service representatives	16.72	5.7	668	5.7	34,748	5.7
File clerks	15.85	2.0	630	2.0	32,749	2.0
Hotel, motel, and resort desk clerks	14.22	5.0	564	5.2	29,303	5.2
Interviewers, except eligibility and loan	12.05	1.8	475	2.1	24,708	2.1
Library assistants, clerical	14.92	2.5	590	2.3	30,537	2.3
Loan interviewers and clerks	14.93	4.8	570	3.6	28,684	3.6
New accounts clerks	16.61	2.9	663	2.9	34,497	2.9
Order clerks	15.02	2.8	601	2.8	31,235	2.8
Human resources assistants, except payroll and timekeeping	15.11	4.0	600	4.0	31,077	4.0
Human resources assistants, except payroll and timekeeping	18.30	2.8	725	2.8	37,715	2.8

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
Office and administrative support occupations –Continued						
Receptionists and information clerks	\$14.15	3.2%	\$556	3.2%	\$28,848	3.2%
Reservation and transportation ticket agents and travel clerks	17.35	3.4	689	3.6	35,803	3.6
Cargo and freight agents	23.24	19.9	929	19.9	48,332	19.9
Couriers and messengers	11.42	9.8	452	9.6	23,479	9.6
Dispatchers	17.57	5.6	712	5.7	36,910	5.7
Police, fire, and ambulance dispatchers	12.97	3.2	524	2.8	27,238	2.8
Dispatchers, except police, fire, and ambulance	18.05	5.9	731	5.9	37,920	5.9
Meter readers, utilities	20.57	8.4	823	8.4	42,785	8.4
Production, planning, and expediting clerks	20.83	2.5	829	2.5	43,089	2.5
Shipping, receiving, and traffic clerks	13.30	1.7	531	1.7	27,620	1.7
Stock clerks and order fillers	13.55	1.6	537	1.6	27,942	1.6
Weighers, measurers, checkers, and samplers, recordkeeping	14.92	5.4	594	5.3	30,420	5.3
Secretaries and administrative assistants	20.89	1.2	822	1.2	42,690	1.2
Executive secretaries and administrative assistants	23.11	1.3	911	1.3	47,326	1.3
Legal secretaries	27.19	7.1	1,054	6.8	54,823	6.8
Medical secretaries	15.78	1.8	624	1.7	32,423	1.7
Secretaries, except legal, medical, and executive	18.05	1.5	709	1.5	36,722	1.5
Computer operators	19.11	5.4	763	5.4	39,660	5.4
Data entry and information processing workers	14.42	2.2	571	2.1	29,699	2.1
Data entry keyers	13.86	2.5	549	2.4	28,552	2.4
Word processors and typists	17.60	4.7	697	4.6	36,237	4.6
Desktop publishers	21.15	8.5	843	8.4	43,800	8.4
Insurance claims and policy processing clerks	16.47	2.1	650	2.0	33,789	2.0
Mail clerks and mail machine operators, except postal service	14.04	3.7	554	3.5	28,795	3.5
Office clerks, general	16.15	1.8	637	1.8	33,036	1.8
Office machine operators, except computer ..	13.12	5.0	514	4.6	26,736	4.6
Proofreaders and copy markers	18.11	9.8	718	10.0	37,361	10.0
Statistical assistants	18.18	4.7	722	4.5	37,555	4.5
Farming, fishing, and forestry occupations ..	14.58	12.2	581	12.2	29,889	12.2
Graders and sorters, agricultural products	10.41	9.2	414	8.7	20,878	8.7
Miscellaneous agricultural workers	12.87	5.8	512	5.8	26,622	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
Construction and extraction occupations	\$24.57	3.0%	\$986	3.1%	\$50,202	3.1%
First-line supervisors/managers of construction trades and extraction workers	32.32	4.8	1,310	4.6	66,868	4.6
Boilermakers	22.93	16.1	917	16.1	47,702	16.1
Brickmasons, blockmasons, and stonemasons	25.09	20.6	1,004	20.6	48,340	20.6
Brickmasons and blockmasons	25.09	20.6	1,004	20.6	48,340	20.6
Carpenters	24.23	6.8	966	6.8	49,304	6.8
Carpet, floor, and tile installers and finishers	13.44	14.0	533	14.5	27,705	14.5
Cement masons, concrete finishers, and terrazzo workers	23.02	8.7	921	8.7	47,033	8.7
Cement masons and concrete finishers	23.02	8.7	921	8.7	47,033	8.7
Construction laborers	19.71	8.0	788	8.0	39,488	8.0
Construction equipment operators	23.64	7.3	940	7.3	47,277	7.3
Operating engineers and other construction equipment operators	25.14	6.9	998	6.9	49,897	6.9
Drywall installers, ceiling tile installers, and tapers	18.44	6.3	738	6.3	38,357	6.3
Drywall and ceiling tile installers	17.52	2.0	701	2.0	36,442	2.0
Electricians	27.57	4.9	1,091	4.7	56,717	4.7
Insulation workers	21.05	3.3	842	3.3	43,778	3.3
Painters and paperhangers	20.39	7.0	809	7.2	42,084	7.2
Painters, construction and maintenance	20.27	7.8	804	8.0	41,802	8.0
Pipelayers, plumbers, pipefitters, and steamfitters	29.82	10.3	1,187	10.4	61,705	10.4
Pipelayers	17.93	8.3	717	8.3	37,232	8.3
Plumbers, pipefitters, and steamfitters	30.52	10.3	1,214	10.4	63,151	10.4
Reinforcing iron and rebar workers	22.31	18.2	892	18.2	45,825	18.2
Roofers	17.25	12.6	690	12.6	28,691	12.6
Sheet metal workers	24.29	7.1	972	7.1	49,243	7.1
Helpers, construction trades	14.08	6.0	563	6.0	29,265	6.0
Helpers--carpenters	13.47	5.8	539	5.8	28,013	5.8
Helpers--electricians	14.26	7.3	570	7.3	29,664	7.3
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	14.01	10.0	560	10.0	29,144	10.0
Construction and building inspectors	26.44	11.5	1,058	11.5	54,998	11.5
Hazardous materials removal workers	18.00	15.4	720	15.4	36,953	15.4
Rail-track laying and maintenance equipment operators	24.82	7.1	993	7.1	51,619	7.1
Miscellaneous construction and related workers	23.80	18.9	928	19.7	44,073	19.7

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						
Derrick, rotary drill, and service unit operators, oil, gas, and mining	\$22.99	14.9%	\$1,007	17.7%	\$46,771	17.7%
Service unit operators, oil, gas, and mining	17.80	9.1	707	9.2	36,781	9.2
Mining machine operators	25.19	17.5	1,040	21.9	54,071	21.9
Helpers--extraction workers	19.45	10.8	778	10.8	40,449	10.8
Installation, maintenance, and repair occupations	23.58	1.4	943	1.4	48,963	1.4
First-line supervisors/managers of mechanics, installers, and repairers	31.67	6.2	1,278	6.4	66,245	6.4
Computer, automated teller, and office machine repairers	20.65	5.9	827	5.9	42,981	5.9
Radio and telecommunications equipment installers and repairers	27.64	5.0	1,103	5.0	57,374	5.0
Telecommunications equipment installers and repairers, except line installers	27.75	5.0	1,107	5.0	57,590	5.0
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	23.39	6.1	934	6.1	48,569	6.1
Avionics technicians	26.26	8.5	1,050	8.5	54,621	8.5
Electrical and electronics repairers, commercial and industrial equipment	25.35	4.1	1,012	4.1	52,582	4.1
Electrical and electronics repairers, powerhouse, substation, and relay	31.95	2.9	1,274	3.0	66,271	3.0
Security and fire alarm systems installers	21.56	8.8	860	8.9	44,724	8.9
Aircraft mechanics and service technicians ..	27.37	2.8	1,095	2.8	56,921	2.8
Automotive technicians and repairers	18.67	4.6	759	4.7	39,444	4.7
Automotive body and related repairers	20.43	9.0	834	9.0	43,344	9.0
Automotive service technicians and mechanics	18.31	5.3	743	5.4	38,651	5.4
Bus and truck mechanics and diesel engine specialists	22.49	3.0	901	3.0	46,833	3.0
Heavy vehicle and mobile equipment service technicians and mechanics	22.84	6.2	913	6.2	47,463	6.2
Mobile heavy equipment mechanics, except engines	24.65	3.5	985	3.5	51,197	3.5
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	13.27	11.2	531	11.2	27,596	11.2
Tire repairers and changers	11.95	9.4	478	9.4	24,862	9.4
Control and valve installers and repairers	29.57	4.6	1,182	4.6	61,438	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						
Control and valve installers and repairers, except mechanical door	\$29.57	4.6%	\$1,182	4.6%	\$61,438	4.6%
Heating, air conditioning, and refrigeration mechanics and installers	24.10	4.1	951	4.7	49,224	4.7
Industrial machinery installation, repair, and maintenance workers	22.08	1.6	881	1.6	45,725	1.6
Industrial machinery mechanics	24.45	1.6	975	1.6	50,694	1.6
Maintenance and repair workers, general ..	20.07	2.6	798	2.6	41,503	2.6
Maintenance workers, machinery	19.37	3.9	779	4.0	39,980	4.0
Millwrights	25.87	4.5	1,043	4.9	54,219	4.9
Line installers and repairers	29.59	2.7	1,184	2.7	61,546	2.7
Electrical power-line installers and repairers	33.33	4.2	1,333	4.2	69,320	4.2
Telecommunications line installers and repairers	26.94	3.9	1,078	3.9	56,038	3.9
Precision instrument and equipment repairers	28.76	8.5	1,132	7.9	58,882	7.9
Medical equipment repairers	26.01	10.6	1,031	11.0	53,613	11.0
Miscellaneous installation, maintenance, and repair workers	18.27	4.2	731	4.2	37,970	4.2
Coin, vending, and amusement machine servicers and repairers	15.39	12.9	616	12.9	32,011	12.9
Helpers--installation, maintenance, and repair workers	14.70	3.3	588	3.3	30,533	3.3
Production occupations	17.40	1.3	694	1.3	35,979	1.3
First-line supervisors/managers of production and operating workers	28.69	3.1	1,165	3.0	60,366	3.0
Aircraft structure, surfaces, rigging, and systems assemblers	25.04	4.2	1,002	4.2	52,090	4.2
Electrical, electronics, and electromechanical assemblers	15.14	2.9	605	2.9	31,467	2.9
Coil winders, tapers, and finishers	14.79	10.4	581	10.0	30,215	10.0
Electrical and electronic equipment assemblers	14.93	3.7	597	3.7	31,055	3.7
Electromechanical equipment assemblers	15.59	4.6	624	4.6	32,435	4.6
Engine and other machine assemblers	18.87	9.8	753	9.8	39,170	9.8
Structural metal fabricators and fitters	18.98	7.4	749	6.9	38,660	6.9
Miscellaneous assemblers and fabricators	16.44	3.3	655	3.4	34,034	3.4
Fiberglass laminators and fabricators	13.17	8.2	527	8.2	27,393	8.2
Team assemblers	16.73	7.2	669	7.2	34,798	7.2

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
Production occupations –Continued						
Bakers	\$14.37	5.9%	\$570	6.0%	\$29,275	6.0%
Butchers and other meat, poultry, and fish processing workers	13.12	2.7	524	2.7	27,239	2.7
Butchers and meat cutters	16.78	4.3	664	4.4	34,504	4.4
Meat, poultry, and fish cutters and trimmers	11.09	5.9	444	5.9	23,062	5.9
Slaughterers and meat packers	13.23	2.6	529	2.6	27,527	2.6
Miscellaneous food processing workers	14.82	4.3	590	4.2	30,499	4.2
Food and tobacco roasting, baking, and drying machine operators and tenders	16.70	5.8	668	5.8	34,727	5.8
Food batchmakers	15.28	5.0	607	4.9	31,281	4.9
Food cooking machine operators and tenders	12.24	7.7	490	7.7	25,469	7.7
Computer control programmers and operators	19.78	5.3	791	5.3	41,135	5.3
Computer-controlled machine tool operators, metal and plastic	18.65	4.3	746	4.2	38,780	4.2
Numerical tool and process control programmers	25.68	7.8	1,027	7.8	53,420	7.8
Forming machine setters, operators, and tenders, metal and plastic	16.63	5.8	661	5.8	34,319	5.8
Extruding and drawing machine setters, operators, and tenders, metal and plastic	16.60	4.8	657	4.9	34,170	4.9
Forging machine setters, operators, and tenders, metal and plastic	16.30	11.5	652	11.5	33,620	11.5
Rolling machine setters, operators, and tenders, metal and plastic	16.93	16.5	676	16.5	35,127	16.5
Machine tool cutting setters, operators, and tenders, metal and plastic	15.79	3.3	631	3.3	32,797	3.3
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	14.95	4.0	597	4.0	31,030	4.0
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	21.17	10.3	847	10.3	44,030	10.3
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	15.10	5.7	603	5.7	31,359	5.7
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	17.38	7.7	695	7.7	36,145	7.7

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
Production occupations –Continued						
Milling and planing machine setters, operators, and tenders, metal and plastic	\$18.45	7.9%	\$738	7.9%	\$38,380	7.9%
Machinists	24.34	2.6	970	2.6	50,457	2.6
Metal furnace and kiln operators and tenders	17.35	11.8	693	11.8	35,986	11.8
Metal-refining furnace operators and tenders	17.08	16.5	682	16.5	35,407	16.5
Pourers and casters, metal	17.98	11.2	718	11.2	37,319	11.2
Model makers and patternmakers, metal and plastic	25.10	7.1	1,004	7.1	52,158	7.1
Model makers, metal and plastic	26.78	7.3	1,071	7.3	55,697	7.3
Molders and molding machine setters, operators, and tenders, metal and plastic	14.25	3.8	568	3.8	29,542	3.8
Foundry mold and coremakers	16.29	11.4	652	11.4	33,883	11.4
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	14.01	3.9	559	3.8	29,046	3.8
Multiple machine tool setters, operators, and tenders, metal and plastic	17.43	4.2	697	4.2	36,237	4.2
Tool and die makers	25.90	2.5	1,033	2.5	53,702	2.5
Welding, soldering, and brazing workers	18.67	2.4	744	2.4	38,677	2.4
Welders, cutters, solderers, and brazers	19.35	2.9	773	2.9	40,179	2.9
Welding, soldering, and brazing machine setters, operators, and tenders	16.87	4.0	669	4.0	34,724	4.0
Miscellaneous metalworkers and plastic workers	16.89	4.0	673	4.0	34,964	4.0
Heat treating equipment setters, operators, and tenders, metal and plastic	16.48	7.4	659	7.4	34,282	7.4
Lay-out workers, metal and plastic	19.30	12.1	772	12.1	40,139	12.1
Plating and coating machine setters, operators, and tenders, metal and plastic	19.51	9.1	780	9.1	40,578	9.1
Tool grinders, filers, and sharpeners	15.40	20.3	616	20.3	32,041	20.3
Bookbinders and bindery workers	15.82	11.6	623	10.6	32,408	10.6
Bindery workers	15.82	11.6	623	10.6	32,408	10.6
Printers	19.49	6.8	769	6.7	39,973	6.7
Prepress technicians and workers	21.40	6.8	846	6.6	44,014	6.6
Printing machine operators	18.78	8.2	740	8.0	38,454	8.0
Laundry and dry-cleaning workers	10.48	2.6	413	2.7	21,458	2.7
Pressers, textile, garment, and related materials	9.09	6.8	363	6.7	18,848	6.7
Sewing machine operators	12.87	10.8	509	11.1	26,344	11.1

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						
Tailors, dressmakers, and sewers	\$17.10	19.9%	\$649	18.5%	\$33,722	18.5%
Tailors, dressmakers, and custom sewers ..	17.10	19.9	649	18.5	33,722	18.5
Textile machine setters, operators, and tenders	13.79	5.6	548	5.9	28,468	5.9
Textile bleaching and dyeing machine operators and tenders	14.29	8.2	572	8.2	29,730	8.2
Textile cutting machine setters, operators, and tenders	11.08	5.7	443	5.7	23,041	5.7
Textile knitting and weaving machine setters, operators, and tenders	15.39	7.3	613	7.4	31,877	7.4
Textile winding, twisting, and drawing out machine setters, operators, and tenders	13.76	10.1	542	11.1	28,133	11.1
Miscellaneous textile, apparel, and furnishings workers	16.67	4.2	662	4.1	34,423	4.1
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	18.33	7.8	729	7.9	37,925	7.9
Upholsterers	18.40	7.3	730	7.1	37,955	7.1
Cabinetmakers and bench carpenters	16.41	11.7	652	11.2	33,705	11.2
Furniture finishers	14.93	11.8	590	11.8	30,665	11.8
Woodworking machine setters, operators, and tenders	14.83	5.4	589	5.6	30,542	5.6
Sawing machine setters, operators, and tenders, wood	14.82	11.8	588	12.0	30,368	12.0
Woodworking machine setters, operators, and tenders, except sawing	14.84	3.5	589	3.7	30,626	3.7
Power plant operators, distributors, and dispatchers	34.03	2.9	1,358	2.9	70,626	2.9
Power distributors and dispatchers	41.83	3.3	1,673	3.3	86,999	3.3
Power plant operators	30.36	3.0	1,209	3.1	62,857	3.1
Stationary engineers and boiler operators	28.25	4.9	1,118	5.3	58,159	5.3
Water and liquid waste treatment plant and system operators	24.51	14.1	980	14.1	50,978	14.1
Miscellaneous plant and system operators	27.50	6.7	1,095	6.8	54,746	6.8
Chemical plant and system operators	24.63	4.7	973	4.7	50,604	4.7
Petroleum pump system operators, refinery operators, and gaugers	32.12	5.3	1,287	5.4	61,000	5.4
Chemical processing machine setters, operators, and tenders	24.80	11.2	989	11.3	51,406	11.3
Chemical equipment operators and tenders	20.30	13.8	811	13.9	42,167	13.9

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 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						
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	\$26.88	12.6%	\$1,071	12.7%	\$55,678	12.7%
Crushing, grinding, polishing, mixing, and blending workers	17.90	4.3	714	4.3	37,117	4.3
Crushing, grinding, and polishing machine setters, operators, and tenders	18.65	6.9	735	6.9	38,192	6.9
Grinding and polishing workers, hand	13.56	5.6	542	5.6	28,199	5.6
Mixing and blending machine setters, operators, and tenders	19.30	5.3	771	5.3	40,110	5.3
Cutting workers	14.82	5.5	591	5.5	30,480	5.5
Cutters and trimmers, hand	12.64	7.7	500	7.3	25,439	7.3
Cutting and slicing machine setters, operators, and tenders	15.32	6.4	612	6.4	31,682	6.4
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	15.92	7.9	629	7.4	32,190	7.4
Furnace, kiln, oven, drier, and kettle operators and tenders	17.84	10.7	714	10.7	37,093	10.7
Inspectors, testers, sorters, samplers, and weighers	17.66	2.5	706	2.5	36,691	2.5
Medical, dental, and ophthalmic laboratory technicians	13.72	6.2	549	6.2	28,447	6.2
Ophthalmic laboratory technicians	12.46	5.2	498	5.2	25,799	5.2
Packaging and filling machine operators and tenders	15.44	3.7	616	3.7	31,893	3.7
Painting workers	16.80	3.8	672	3.8	34,942	3.8
Coating, painting, and spraying machine setters, operators, and tenders	15.68	4.0	627	4.0	32,609	4.0
Painters, transportation equipment	20.26	6.9	811	6.9	42,147	6.9
Painting, coating, and decorating workers	14.32	11.9	573	11.9	29,789	11.9
Photographic process workers and processing machine operators	15.32	10.4	613	10.4	31,869	10.4
Photographic processing machine operators	15.32	10.4	613	10.4	31,869	10.4
Semiconductor processors	18.12	4.1	725	4.1	37,695	4.1
Miscellaneous production workers	15.10	3.2	601	3.2	30,994	3.2
Cementing and gluing machine operators and tenders	16.76	4.8	663	5.4	34,450	5.4
Cleaning, washing, and metal pickling equipment operators and tenders	19.85	13.9	794	13.9	41,292	13.9

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 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						
Cooling and freezing equipment operators and tenders	\$16.07	16.3%	\$637	15.8%	\$33,116	15.8%
Molders, shapers, and casters, except metal and plastic	15.27	8.0	611	8.0	31,769	8.0
Paper goods machine setters, operators, and tenders	19.08	9.5	762	9.4	39,624	9.4
Tire builders	17.57	7.9	703	7.9	36,546	7.9
Helpers--production workers	13.06	3.0	519	2.9	26,389	2.9
Transportation and material moving occupations						
First-line supervisors/managers of helpers, laborers, and material movers, hand	18.08	1.7	721	1.6	37,313	1.6
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	23.64	3.7	962	3.9	50,025	3.9
Aircraft pilots and flight engineers	26.06	4.5	1,077	4.9	55,998	4.9
Airline pilots, copilots, and flight engineers	116.98	8.1	2,490	9.3	129,470	9.3
Ambulance drivers and attendants, except emergency medical technicians	119.12	8.3	2,496	9.5	129,784	9.5
Bus drivers	12.20	9.6	484	10.2	25,170	10.2
Bus drivers, transit and intercity	17.47	9.9	702	8.4	35,817	8.4
Bus drivers, school	17.70	10.4	725	9.7	37,542	9.7
Driver/sales workers and truck drivers	15.99	12.1	575	7.8	26,960	7.8
Driver/sales workers	20.83	2.0	880	2.0	45,652	2.0
Truck drivers, heavy and tractor-trailer	16.22	6.3	659	6.8	34,277	6.8
Truck drivers, light or delivery services	20.47	2.5	893	2.4	46,279	2.4
Taxi drivers and chauffeurs	22.24	3.2	889	3.3	46,132	3.3
Railroad conductors and yardmasters	11.37	6.1	474	5.4	24,590	5.4
Parking lot attendants	34.64	5.0	1,385	5.0	72,042	5.0
Service station attendants	9.13	7.8	356	7.8	18,308	7.8
Transportation inspectors	12.28	13.6	445	19.5	23,138	19.5
Conveyor operators and tenders	31.04	4.2	1,242	4.2	64,567	4.2
Crane and tower operators	16.00	7.4	640	7.4	33,290	7.4
Dredge, excavating, and loading machine operators	22.11	9.4	883	9.4	45,306	9.4
Excavating and loading machine and dragline operators	20.25	8.4	810	8.4	41,974	8.4
Industrial truck and tractor operators	20.14	8.4	806	8.4	41,749	8.4
Laborers and material movers, hand	15.44	2.3	618	2.4	32,066	2.4
Cleaners of vehicles and equipment	12.67	1.5	504	1.5	26,018	1.5
	12.69	4.3	507	4.3	26,238	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 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						
Laborers and freight, stock, and material movers, hand	\$13.36	1.6%	\$532	1.6%	\$27,370	1.6%
Machine feeders and offbearers	12.59	4.3	500	4.3	25,983	4.3
Packers and packagers, hand	11.15	2.9	442	2.9	22,965	2.9
Refuse and recyclable material collectors	13.78	18.7	551	18.7	28,656	18.7
Tank car, truck, and ship loaders	19.89	6.1	801	7.8	40,659	7.8

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, weighted 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/opub/hom/homch8_a.htm.

⁴ Mean weekly earnings are based on the straight-time weekly wages or salaries paid to employees, exclusive of overtime.

⁵ Mean annual earnings are based on the straight-time annual wages or salaries paid to employees, exclusive of overtime.

NOTE: Dashes indicate that data did not meet publication criteria. Broad occupational groups may include data for subordinate occupational groups not shown separately.

SOURCE: Bureau of Labor Statistics, National Compensation Survey.