

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings

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	\$19.76	1.3%	\$785	1.3%	\$40,553	1.3%
Management occupations	40.39	1.6	1,645	1.7	85,470	1.7
Chief executives	103.76	26.9	4,633	27.8	240,903	27.8
General and operations managers	44.00	2.7	1,861	2.8	96,777	2.8
Advertising and promotions managers	32.38	6.5	1,289	6.8	67,018	6.8
Marketing and sales managers	47.03	4.6	1,933	4.8	100,491	4.8
Marketing managers	51.39	6.6	2,081	7.2	108,190	7.2
Sales managers	42.51	4.9	1,774	4.7	92,259	4.7
Public relations managers	41.51	13.9	1,645	13.9	85,548	13.9
Administrative services managers	28.99	3.9	1,168	4.1	60,698	4.1
Computer and information systems managers	50.53	2.6	2,041	2.7	106,087	2.7
Financial managers	41.30	2.4	1,669	2.3	86,794	2.3
Human resources managers	33.80	9.2	1,356	9.2	70,492	9.2
Compensation and benefits managers	38.27	7.0	1,560	6.7	81,106	6.7
Training and development managers	30.61	16.6	1,222	16.3	63,563	16.3
Industrial production managers	38.62	2.8	1,587	2.5	82,513	2.5
Purchasing managers	40.42	4.6	1,627	4.7	84,626	4.7
Transportation, storage, and distribution managers	33.86	4.8	1,375	5.1	71,512	5.1
Construction managers	35.04	3.8	1,450	3.5	75,202	3.5
Education administrators	27.57	4.3	1,092	4.3	56,104	4.3
Education administrators, preschool and child care center/program	20.19	13.8	821	13.1	42,090	13.1
Education administrators, elementary and secondary school	30.89	7.2	1,223	7.2	62,570	7.2
Education administrators, postsecondary ..	34.31	4.0	1,314	4.1	67,752	4.1
Engineering managers	53.48	2.4	2,181	2.4	113,388	2.4
Food service managers	23.76	6.8	1,058	9.6	54,742	9.6
Funeral directors	22.11	15.1	918	13.7	47,725	13.7
Lodging managers	23.20	19.5	1,002	19.1	52,124	19.1
Medical and health services managers	36.42	2.9	1,468	3.0	76,354	3.0
Natural sciences managers	45.32	8.6	1,812	10.2	94,225	10.2
Property, real estate, and community association managers	24.61	5.1	988	5.1	51,359	5.1
Social and community service managers	24.51	6.6	952	7.1	49,182	7.1
Business and financial operations occupations	29.03	.9	1,165	.9	60,404	.9
Buyers and purchasing agents	27.02	2.0	1,093	2.0	56,859	2.0
Claims adjusters, appraisers, examiners, and investigators	25.16	2.4	981	2.5	51,009	2.5
Claims adjusters, examiners, and investigators	25.06	2.6	976	2.6	50,757	2.6

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Insurance appraisers, auto damage	\$26.37	7.0%	\$1,041	7.6%	\$54,110	7.6%
Compliance officers, except agriculture, construction, health and safety, and transportation	26.17	10.1	1,085	8.1	56,422	8.1
Cost estimators	29.55	5.0	1,201	5.1	62,428	5.1
Human resources, training, and labor relations specialists	26.62	3.0	1,062	3.0	53,938	3.0
Employment, recruitment, and placement specialists	28.86	6.7	1,138	6.7	59,161	6.7
Compensation, benefits, and job analysis specialists	26.08	3.8	1,046	3.5	54,401	3.5
Training and development specialists	24.69	5.9	989	5.7	48,280	5.7
Logisticians	30.78	7.5	1,230	7.5	63,950	7.5
Management analysts	35.25	3.3	1,416	3.5	73,640	3.5
Meeting and convention planners	22.44	5.7	885	5.8	46,023	5.8
Accountants and auditors	27.63	2.4	1,107	2.3	57,554	2.3
Appraisers and assessors of real estate	23.55	13.3	932	13.3	48,443	13.3
Budget analysts	31.11	8.1	1,275	9.3	66,318	9.3
Credit analysts	26.51	5.2	1,055	5.0	54,883	5.0
Financial analysts and advisors	33.28	3.3	1,329	3.1	69,091	3.1
Financial analysts	36.02	3.7	1,460	3.7	75,926	3.7
Personal financial advisors	27.43	8.0	1,088	7.9	56,575	7.9
Insurance underwriters	30.52	6.1	1,179	6.0	61,332	6.0
Financial examiners	30.96	7.2	1,240	7.4	64,473	7.4
Loan counselors and officers	31.45	7.7	1,260	7.7	65,517	7.7
Loan counselors	20.78	23.2	822	23.1	42,730	23.1
Loan officers	31.88	8.2	1,278	8.2	66,451	8.2
Computer and mathematical science occupations	35.07	1.8	1,407	1.8	73,163	1.8
Computer and information scientists, research	44.83	6.5	1,793	6.5	93,256	6.5
Computer programmers	32.50	3.5	1,305	3.3	67,840	3.3
Computer software engineers	41.22	1.7	1,667	1.7	86,668	1.7
Computer software engineers, applications Computer software engineers, systems software	40.79	2.3	1,652	2.2	85,893	2.2
Computer support specialists	41.69	2.4	1,683	2.5	87,526	2.5
Computer systems analysts	25.43	3.9	1,012	4.0	52,602	4.0
Computer systems analysts	37.68	1.8	1,508	1.8	78,419	1.8
Database administrators	31.46	4.5	1,259	4.7	65,465	4.7
Network and computer systems administrators	30.68	2.7	1,230	2.3	63,803	2.3
Network systems and data communications analysts	32.69	5.0	1,307	4.9	67,956	4.9
Actuaries	40.26	4.7	1,566	4.5	81,454	4.5

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Operations research analysts	\$36.57	5.3%	\$1,442	5.6%	\$75,006	5.6%
Statisticians	31.67	16.2	1,251	16.1	65,028	16.1
Miscellaneous mathematical scientists	20.31	5.4	813	5.4	42,252	5.4
Architecture and engineering occupations	31.85	2.5	1,286	2.5	66,833	2.5
Architects, except naval	31.77	5.8	1,301	5.7	67,667	5.7
Architects, except landscape and naval	31.91	5.9	1,308	5.8	68,005	5.8
Surveyors, cartographers, and photogrammetrists	26.65	12.1	1,069	11.8	55,601	11.8
Cartographers and photogrammetrists	18.31	12.6	732	12.6	38,082	12.6
Surveyors	30.18	12.5	1,212	11.7	63,032	11.7
Engineers	37.63	1.1	1,527	1.0	79,381	1.0
Aerospace engineers	47.06	4.7	1,885	4.7	98,030	4.7
Chemical engineers	38.87	6.4	1,559	6.3	81,080	6.3
Civil engineers	33.13	3.3	1,370	3.1	71,221	3.1
Computer hardware engineers	41.60	6.1	1,723	7.1	89,586	7.1
Electrical and electronics engineers	37.77	2.5	1,534	2.2	79,774	2.2
Electrical engineers	37.51	4.1	1,524	3.8	79,255	3.8
Electronics engineers, except computer	37.99	2.9	1,543	2.9	80,219	2.9
Environmental engineers	41.75	6.3	1,672	6.3	86,157	6.3
Industrial engineers, including health and safety	34.95	2.6	1,425	2.6	74,103	2.6
Health and safety engineers, except mining safety engineers and inspectors	39.52	10.8	1,601	11.2	83,243	11.2
Industrial engineers	33.83	2.0	1,382	2.0	71,845	2.0
Marine engineers and naval architects	30.77	5.8	1,231	5.8	64,011	5.8
Materials engineers	36.00	7.8	1,468	7.0	76,335	7.0
Mechanical engineers	33.67	1.5	1,375	1.8	71,488	1.8
Nuclear engineers	41.82	4.5	1,673	4.5	86,992	4.5
Petroleum engineers	48.39	15.3	1,935	15.3	99,834	15.3
Drafters	22.67	1.8	904	1.8	47,004	1.8
Architectural and civil drafters	23.50	3.0	940	3.0	48,884	3.0
Electrical and electronics drafters	21.50	5.1	860	5.1	44,729	5.1
Mechanical drafters	22.20	4.6	888	4.6	46,174	4.6
Engineering technicians, except drafters	22.84	4.3	914	4.3	47,435	4.3
Aerospace engineering and operations technicians	25.23	5.2	1,014	5.3	52,750	5.3
Civil engineering technicians	16.28	19.6	651	19.6	33,867	19.6
Electrical and electronic engineering technicians	22.09	6.9	884	6.9	45,966	6.9
Electro-mechanical technicians	24.83	4.6	1,000	4.5	52,006	4.5
Environmental engineering technicians	29.85	18.7	1,194	18.7	61,080	18.7
Industrial engineering technicians	24.00	3.3	963	3.4	50,054	3.4
Mechanical engineering technicians	22.71	8.6	909	8.6	47,213	8.6

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Surveying and mapping technicians	\$18.57	11.2%	\$743	11.2%	\$38,634	11.2%
Life, physical, and social science occupations	30.32	2.6	1,207	2.8	62,588	2.8
Life scientists	34.02	5.8	1,326	6.0	68,821	6.0
Agricultural and food scientists	34.68	11.8	1,369	11.7	69,832	11.7
Food scientists and technologists	35.43	10.5	1,386	10.6	72,081	10.6
Biological scientists	33.87	6.9	1,301	7.6	67,573	7.6
Biochemists and biophysicists	35.84	8.5	1,359	10.1	70,658	10.1
Microbiologists	28.43	11.9	1,150	11.4	59,782	11.4
Conservation scientists and foresters	26.27	19.1	1,094	16.5	56,888	16.5
Foresters	26.27	19.1	1,094	16.5	56,888	16.5
Medical scientists	34.18	11.2	1,352	10.8	70,286	10.8
Physical scientists	34.37	4.1	1,382	4.2	71,660	4.2
Astronomers and physicists	46.33	9.8	1,840	10.1	95,659	10.1
Physicists	46.33	9.8	1,840	10.1	95,659	10.1
Chemists and materials scientists	32.82	8.5	1,316	8.5	68,409	8.5
Chemists	31.30	7.7	1,255	7.7	65,266	7.7
Materials scientists	40.49	9.4	1,619	9.4	84,211	9.4
Environmental scientists and geoscientists	35.38	5.2	1,452	5.7	75,508	5.7
Environmental scientists and						
specialists, including health	32.09	8.3	1,326	9.3	68,956	9.3
Geoscientists, except hydrologists and						
geographers	43.04	7.0	1,745	6.7	90,728	6.7
Economists	36.77	19.8	1,530	19.7	79,585	19.7
Market and survey researchers	33.86	5.0	1,383	5.5	71,915	5.5
Market research analysts	33.87	5.0	1,383	5.5	71,927	5.5
Psychologists	28.37	15.4	1,085	14.3	54,515	14.3
Clinical, counseling, and school						
psychologists	30.27	17.6	1,157	16.1	57,744	16.1
Miscellaneous social scientists and related						
workers	34.49	8.4	1,337	8.3	69,507	8.3
Agricultural and food science technicians	16.62	21.5	662	21.2	34,417	21.2
Biological technicians	19.21	4.9	758	5.2	39,420	5.2
Chemical technicians	22.35	6.5	890	6.7	46,186	6.7
Geological and petroleum technicians	38.86	8.2	1,555	8.2	80,835	8.2
Nuclear technicians	35.23	5.8	1,409	5.8	73,271	5.8
Social science research assistants	21.18	5.7	840	5.6	43,000	5.6
Miscellaneous life, physical, and social						
science technicians	21.16	9.9	842	10.0	43,692	10.0
Environmental science and protection						
technicians, including health	25.70	12.0	1,026	12.1	53,330	12.1
Community and social services occupations	17.28	2.8	679	2.9	35,048	2.9
Counselors	17.77	4.1	690	4.0	35,534	4.0

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Substance abuse and behavioral disorder counselors	\$16.06	5.2%	\$639	4.9%	\$33,215	4.9%
Educational, vocational, and school counselors	20.69	8.6	782	8.2	39,636	8.2
Mental health counselors	18.17	4.9	721	5.1	37,497	5.1
Rehabilitation counselors	14.12	5.6	551	5.9	28,650	5.9
Social workers	18.87	2.6	734	2.6	37,918	2.6
Child, family, and school social workers ..	17.04	3.0	656	2.4	33,407	2.4
Medical and public health social workers	22.47	3.8	867	4.4	45,110	4.4
Mental health and substance abuse social workers	17.66	4.4	696	3.5	36,186	3.5
Miscellaneous community and social service specialists	14.70	4.0	574	4.2	29,631	4.2
Health educators	31.93	13.0	1,276	13.1	66,351	13.1
Social and human service assistants	12.61	2.8	496	2.9	25,523	2.9
Clergy	15.35	8.6	741	6.0	38,429	6.0
Directors, religious activities and education	23.18	12.4	890	12.6	46,269	12.6
Legal occupations	40.32	8.5	1,641	8.9	85,302	8.9
Lawyers	58.07	5.3	2,433	5.8	126,530	5.8
Paralegals and legal assistants	22.11	6.5	870	6.1	45,227	6.1
Miscellaneous legal support workers	22.31	4.5	901	4.4	46,594	4.4
Title examiners, abstractors, and searchers	22.29	4.7	909	4.8	47,242	4.8
Education, training, and library occupations	25.89	4.4	992	4.6	44,416	4.6
Postsecondary teachers	45.83	4.9	1,787	4.9	75,645	4.9
Business teachers, postsecondary	54.99	8.7	2,092	8.1	80,980	8.1
Math and computer teachers, postsecondary	36.57	8.9	1,421	8.6	58,915	8.6
Computer science teachers, postsecondary	28.81	7.5	1,104	7.5	53,080	7.5
Mathematical science teachers, postsecondary	42.40	11.6	1,665	11.2	62,418	11.2
Engineering and architecture teachers, postsecondary	70.87	8.9	2,768	8.3	104,665	8.3
Engineering teachers, postsecondary	70.89	9.1	2,767	8.5	105,136	8.5
Life sciences teachers, postsecondary	59.58	20.1	2,493	20.7	113,616	20.7
Biological science teachers, postsecondary	59.69	20.4	2,503	21.0	114,311	21.0
Physical sciences teachers, postsecondary	54.11	7.2	2,058	7.0	83,632	7.0
Chemistry teachers, postsecondary	53.29	6.4	1,982	6.0	74,259	6.0
Physics teachers, postsecondary	60.33	13.1	2,342	11.5	103,211	11.5
Social sciences teachers, postsecondary	44.54	6.2	1,683	5.9	67,237	5.9
Economics teachers, postsecondary	54.24	11.7	1,932	9.6	71,391	9.6

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Political science teachers, postsecondary	\$39.96	7.5%	\$1,575	6.6%	\$74,740	6.6%
Psychology teachers, postsecondary	45.22	8.8	1,717	8.7	68,019	8.7
Sociology teachers, postsecondary	48.11	19.6	1,814	16.9	69,225	16.9
Health teachers, postsecondary	62.53	8.6	2,473	8.8	109,188	8.8
Health specialties teachers, postsecondary	74.30	9.2	2,944	10.0	126,595	10.0
Nursing instructors and teachers, postsecondary	32.82	2.0	1,292	1.9	61,140	1.9
Education and library science teachers, postsecondary	40.08	8.2	1,549	7.5	58,930	7.5
Education teachers, postsecondary	40.08	8.2	1,549	7.5	58,930	7.5
Law, criminal justice, and social work teachers, postsecondary	58.65	16.9	2,292	15.6	95,735	15.6
Law teachers, postsecondary	74.63	10.8	2,950	7.5	117,819	7.5
Arts, communications, and humanities teachers, postsecondary	40.40	4.4	1,549	3.8	60,473	3.8
Art, drama, and music teachers, postsecondary	38.20	5.9	1,460	6.1	56,262	6.1
Communications teachers, postsecondary	39.50	25.7	1,530	24.5	58,194	24.5
English language and literature teachers, postsecondary	41.77	5.2	1,596	4.9	64,102	4.9
Foreign language and literature teachers, postsecondary	46.95	9.3	1,725	9.2	65,460	9.2
History teachers, postsecondary	39.22	9.7	1,556	8.6	59,874	8.6
Philosophy and religion teachers, postsecondary	39.97	10.3	1,545	8.6	61,692	8.6
Miscellaneous postsecondary teachers	34.74	7.6	1,356	7.4	62,756	7.4
Recreation and fitness studies teachers, postsecondary	29.46	3.6	1,168	3.5	48,529	3.5
Vocational education teachers, postsecondary	22.15	4.1	891	5.2	46,225	5.2
Primary, secondary, and special education school teachers	20.84	3.5	786	3.6	33,676	3.6
Preschool and kindergarten teachers	13.93	7.7	526	5.3	25,449	5.3
Preschool teachers, except special education	13.65	8.5	515	5.5	24,982	5.5
Kindergarten teachers, except special education	16.67	8.6	637	8.0	29,960	8.0
Elementary and middle school teachers	24.76	4.6	941	5.0	36,174	5.0
Elementary school teachers, except special education	24.49	5.1	927	5.5	35,705	5.5
Middle school teachers, except special and vocational education	25.95	7.3	1,004	7.0	38,262	7.0

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Secondary school teachers	\$31.30	4.1%	\$1,180	3.3%	\$45,307	3.3%
Secondary school teachers, except special and vocational education	31.74	4.0	1,195	3.2	45,552	3.2
Special education teachers	26.00	7.9	932	9.4	39,957	9.4
Special education teachers, preschool, kindergarten, and elementary school	23.66	6.2	849	9.3	37,569	9.3
Special education teachers, secondary school	34.46	18.6	1,201	18.4	46,899	18.4
Other teachers and instructors	26.21	13.0	1,014	12.1	48,728	12.1
Adult literacy, remedial education, and GED teachers and instructors	19.57	5.9	665	11.1	30,075	11.1
Archivists, curators, and museum technicians	27.48	10.3	1,037	6.0	53,904	6.0
Librarians	30.26	11.0	1,132	11.7	56,782	11.7
Library technicians	18.68	10.2	725	10.8	37,456	10.8
Instructional coordinators	25.74	9.4	991	8.8	50,236	8.8
Teacher assistants	10.06	3.9	392	3.8	19,409	3.8
Arts, design, entertainment, sports, and media occupations	25.67	4.0	1,016	3.8	52,465	3.8
Artists and related workers	24.92	9.0	997	9.4	51,600	9.4
Art directors	28.84	11.1	1,164	11.9	60,530	11.9
Multi-media artists and animators	24.32	10.4	970	10.6	50,426	10.6
Designers	22.69	3.5	902	3.4	46,886	3.4
Commercial and industrial designers	32.44	3.4	1,301	3.4	67,644	3.4
Fashion designers	45.65	27.8	1,913	17.4	99,471	17.4
Floral designers	11.15	7.4	435	6.6	22,622	6.6
Graphic designers	20.61	3.2	818	3.2	42,550	3.2
Interior designers	23.46	7.1	920	6.4	47,859	6.4
Merchandise displayers and window trimmers	16.15	12.4	646	12.5	33,569	12.5
Set and exhibit designers	35.32	23.2	1,413	23.2	73,456	23.2
Actors, producers, and directors	37.40	25.7	1,503	25.8	78,104	25.8
Producers and directors	37.62	25.8	1,512	25.9	78,571	25.9
Athletes, coaches, umpires, and related workers	24.20	12.9	937	13.0	46,759	13.0
Coaches and scouts	23.94	14.7	916	14.8	45,304	14.8
Musicians, singers, and related workers	35.14	14.5	1,358	12.9	59,914	12.9
Musicians and singers	39.27	14.5	1,516	13.0	63,954	13.0
Announcers	40.87	24.1	1,633	24.1	84,919	24.1
Radio and television announcers	42.00	23.0	1,678	23.1	87,255	23.1
News analysts, reporters and correspondents Reporters and correspondents	31.76	13.6	1,233	13.6	64,001	13.6
Public relations specialists	27.14	5.8	1,051	5.6	54,573	5.6
Writers and editors	26.80	4.6	1,060	4.5	55,119	4.5
Writers and editors	26.69	4.5	1,053	4.2	54,591	4.2

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Editors	\$25.43	6.0%	\$996	5.5%	\$51,815	5.5%
Technical writers	30.07	6.7	1,204	6.7	62,592	6.7
Writers and authors	22.86	19.6	902	18.1	44,995	18.1
Miscellaneous media and communication workers	22.23	9.4	804	10.8	41,800	10.8
Interpreters and translators	20.21	16.8	648	12.0	33,711	12.0
Broadcast and sound engineering technicians and radio operators	22.57	10.8	923	12.4	48,007	12.4
Audio and video equipment technicians	22.51	21.7	897	22.8	46,648	22.8
Broadcast technicians	20.64	12.5	836	14.5	43,482	14.5
Photographers	14.61	11.7	587	12.5	28,867	12.5
Television, video, and motion picture camera operators and editors	21.49	11.9	860	11.9	44,709	11.9
Camera operators, television, video, and motion picture	20.84	17.4	834	17.4	43,353	17.4
Healthcare practitioner and technical occupations	27.91	1.9	1,093	1.9	56,834	1.9
Dentists	65.82	20.4	2,573	18.1	133,777	18.1
Dentists, general	69.17	22.2	2,697	19.6	140,243	19.6
Dietitians and nutritionists	22.70	4.8	906	5.0	47,086	5.0
Optometrists	51.30	10.1	1,931	12.2	100,419	12.2
Pharmacists	47.09	1.0	1,872	1.1	97,334	1.1
Physicians and surgeons	66.59	5.1	2,690	5.7	139,849	5.7
Anesthesiologists	80.79	17.4	3,433	19.5	178,493	19.5
Family and general practitioners	69.52	9.2	2,744	9.4	142,674	9.4
Internists, general	61.40	24.4	2,508	23.6	130,405	23.6
Pediatricians, general	57.57	25.0	2,365	25.7	122,967	25.7
Surgeons	88.12	29.2	3,428	30.8	177,052	30.8
Physician assistants	37.96	7.0	1,515	6.9	78,786	6.9
Registered nurses	29.43	1.1	1,143	1.1	59,407	1.1
Therapists	27.22	2.8	1,066	2.7	55,133	2.7
Occupational therapists	28.73	6.3	1,140	6.4	59,055	6.4
Physical therapists	32.21	4.3	1,262	4.2	65,270	4.2
Radiation therapists	33.79	7.1	1,330	6.1	69,161	6.1
Recreational therapists	16.69	8.6	661	8.8	34,365	8.8
Respiratory therapists	22.77	2.0	887	2.5	46,121	2.5
Speech-language pathologists	27.18	6.1	1,054	5.4	53,372	5.4
Clinical laboratory technologists and technicians	18.89	2.5	753	2.5	39,136	2.5
Medical and clinical laboratory technologists	22.72	3.1	914	2.5	47,518	2.5
Medical and clinical laboratory technicians	16.37	3.4	648	3.2	33,709	3.2
Dental hygienists	30.24	5.1	1,041	4.3	54,133	4.3

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Diagnostic related technologists and technicians	\$25.43	3.3%	\$1,003	3.1%	\$52,182	3.1%
Cardiovascular technologists and technicians	24.66	10.6	964	10.0	50,144	10.0
Diagnostic medical sonographers	30.44	4.0	1,185	4.8	61,628	4.8
Nuclear medicine technologists	32.82	7.9	1,313	7.9	68,255	7.9
Radiologic technologists and technicians ..	24.44	2.7	967	2.8	50,279	2.8
Emergency medical technicians and paramedics	14.92	7.8	606	7.1	31,535	7.1
Health diagnosing and treating practitioner support technicians	15.91	2.4	629	2.3	32,680	2.3
Pharmacy technicians	14.09	2.6	557	2.6	28,974	2.6
Psychiatric technicians	12.09	7.9	477	7.9	24,786	7.9
Respiratory therapy technicians	21.49	3.8	848	4.1	44,108	4.1
Surgical technologists	18.38	2.8	726	2.7	37,751	2.7
Licensed practical and licensed vocational nurses	18.34	1.6	714	1.4	37,117	1.4
Medical records and health information technicians	15.30	3.8	605	4.0	31,459	4.0
Miscellaneous health technologists and technicians	18.66	8.1	741	8.3	38,535	8.3
Occupational health and safety specialists and technicians	25.60	5.3	1,035	5.2	53,827	5.2
Occupational health and safety specialists	24.63	8.9	1,003	8.8	52,180	8.8
Miscellaneous healthcare practitioner and technical workers	26.93	13.2	1,061	13.8	55,058	13.8
Healthcare support occupations	12.10	1.3	465	1.4	24,189	1.4
Nursing, psychiatric, and home health aides	10.74	1.2	414	1.6	21,542	1.6
Home health aides	9.77	3.5	362	4.2	18,845	4.2
Nursing aides, orderlies, and attendants	10.98	1.3	427	1.4	22,215	1.4
Psychiatric aides	10.35	2.8	401	2.9	20,852	2.9
Occupational therapist assistants and aides ...	14.11	12.7	564	12.7	29,324	12.7
Occupational therapist assistants	16.25	19.6	649	19.6	33,732	19.6
Occupational therapist aides	12.36	10.6	494	10.6	25,708	10.6
Physical therapist assistants and aides	17.04	12.2	671	12.4	34,900	12.4
Physical therapist assistants	23.02	10.5	917	10.6	47,677	10.6
Physical therapist aides	10.81	5.5	421	4.7	21,891	4.7
Massage therapists	20.71	16.3	796	18.3	41,386	18.3
Miscellaneous healthcare support occupations	13.57	1.7	519	1.6	26,962	1.6
Dental assistants	16.14	2.5	574	3.0	29,851	3.0
Medical assistants	13.02	2.5	509	2.3	26,466	2.3
Medical equipment preparers	13.56	5.0	533	5.5	27,708	5.5
Medical transcriptionists	14.77	4.7	577	5.7	30,001	5.7

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Pharmacy aides	\$11.46	4.0%	\$434	4.2%	\$22,567	4.2%
Veterinary assistants and laboratory animal caretakers	11.73	9.2	465	8.6	24,184	8.6
Protective service occupations	11.33	2.5	449	2.5	23,075	2.5
Fire fighters	19.25	11.7	940	11.7	48,880	11.7
Police officers	18.42	6.6	734	6.7	38,185	6.7
Police and sheriff's patrol officers	18.42	6.6	734	6.7	38,185	6.7
Security guards and gaming surveillance officers	10.60	2.2	419	2.2	21,772	2.2
Security guards	10.57	2.2	418	2.2	21,724	2.2
Miscellaneous protective service workers	12.33	10.4	454	11.1	13,929	11.1
Lifeguards, ski patrol, and other recreational protective service workers	9.22	5.9	349	5.3	7,296	5.3
Food preparation and serving related occupations	8.86	1.6	340	1.6	17,569	1.6
First-line supervisors/managers, food preparation and serving workers	14.72	1.8	614	1.7	31,534	1.7
Chefs and head cooks	17.18	5.4	702	6.6	35,288	6.6
First-line supervisors/managers of food preparation and serving workers	14.36	2.0	601	1.9	30,966	1.9
Cooks	10.16	1.1	393	1.2	20,375	1.2
Cooks, fast food	7.99	3.5	302	4.5	15,724	4.5
Cooks, institution and cafeteria	11.10	1.7	433	2.0	22,340	2.0
Cooks, restaurant	10.40	1.4	402	1.4	20,823	1.4
Cooks, short order	9.25	3.2	359	3.9	18,690	3.9
Food preparation workers	9.43	2.4	364	2.7	18,767	2.7
Food service, tipped	5.44	2.6	200	3.1	10,353	3.1
Bartenders	7.03	4.3	257	5.1	13,322	5.1
Waiters and waitresses	4.67	4.0	171	5.1	8,831	5.1
Dining room and cafeteria attendants and bartender helpers	7.10	3.6	271	3.7	14,029	3.7
Fast food and counter workers	8.31	2.1	317	2.2	16,398	2.2
Combined food preparation and serving workers, including fast food	8.29	2.6	316	2.8	16,384	2.8
Counter attendants, cafeteria, food concession, and coffee shop	8.35	2.6	320	3.2	16,446	3.2
Food servers, nonrestaurant	8.45	5.4	328	5.7	17,026	5.7
Dishwashers	8.24	1.8	320	1.6	16,523	1.6
Hosts and hostesses, restaurant, lounge, and coffee shop	8.90	8.1	321	8.6	16,567	8.6
Building and grounds cleaning and maintenance occupations	11.38	3.1	448	3.1	23,015	3.1

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
First-line supervisors/managers, building and grounds cleaning and maintenance workers	\$18.28	6.4%	\$735	6.3%	\$38,187	6.3%
First-line supervisors/managers of housekeeping and janitorial workers ...	16.39	3.2	656	3.1	34,107	3.1
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	22.49	12.6	914	12.6	47,387	12.6
Building cleaning workers	10.44	3.5	410	3.5	21,182	3.5
Janitors and cleaners, except maids and housekeeping cleaners	10.92	4.1	432	4.1	22,324	4.1
Maids and housekeeping cleaners	8.90	2.4	344	2.2	17,733	2.2
Pest control workers	15.85	3.8	631	3.5	32,837	3.5
Grounds maintenance workers	11.28	3.7	447	3.6	21,653	3.6
Landscaping and groundskeeping workers	10.99	3.9	436	3.8	21,078	3.8
Tree trimmers and pruners	16.95	10.9	601	14.9	30,254	14.9
Personal care and service occupations	10.92	7.5	411	5.9	20,911	5.9
First-line supervisors/managers of gaming workers	14.08	3.6	570	3.4	29,614	3.4
Gaming supervisors	16.03	7.2	654	8.0	33,995	8.0
Slot key persons	11.10	1.5	444	1.4	23,079	1.4
First-line supervisors/managers of personal service workers	15.19	4.2	609	4.5	29,636	4.5
Nonfarm animal caretakers	9.83	4.0	387	3.9	20,102	3.9
Gaming services workers	6.43	4.9	255	3.8	13,267	3.8
Gaming dealers	6.30	2.4	250	1.6	13,025	1.6
Gaming and sports book writers and runners	8.59	7.0	305	2.5	15,857	2.5
Ushers, lobby attendants, and ticket takers ...	13.49	11.2	540	11.2	27,716	11.2
Miscellaneous entertainment attendants and related workers	9.60	7.6	372	7.7	16,549	7.7
Amusement and recreation attendants	9.02	10.7	349	10.6	14,685	10.6
Locker room, coatroom, and dressing room attendants	10.98	11.0	428	13.0	22,088	13.0
Barbers and cosmetologists	12.47	5.6	465	6.4	24,191	6.4
Hairdressers, hairstylists, and cosmetologists	12.57	5.8	470	6.7	24,450	6.7
Miscellaneous personal appearance workers	13.27	16.1	510	17.9	26,531	17.9
Manicurists and pedicurists	10.75	13.2	412	15.1	21,409	15.1
Baggage porters, bellhops, and concierges	9.99	10.8	388	10.8	20,086	10.8
Baggage porters and bellhops	8.02	5.1	308	6.0	15,940	6.0
Concierges	13.73	9.8	542	10.2	28,205	10.2
Tour and travel guides	11.79	10.9	419	9.9	14,905	9.9
Tour guides and escorts	11.66	11.2	411	10.2	14,270	10.2

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — 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 attendants	\$31.27	4.6%	\$644	3.4%	\$33,447	3.4%
Flight attendants	34.11	3.8	653	3.7	33,957	3.7
Transportation attendants, except flight attendants and baggage porters	13.24	11.5	529	11.5	26,864	11.5
Child care workers	8.73	2.1	345	2.1	17,797	2.1
Personal and home care aides	9.92	3.2	387	3.5	20,150	3.5
Recreation and fitness workers	13.63	5.2	531	5.1	21,685	5.1
Fitness trainers and aerobics instructors	15.80	9.5	601	9.7	31,244	9.7
Recreation workers	12.85	5.3	506	5.5	19,119	5.5
Residential advisors	9.18	18.5	373	19.4	16,850	19.4
Sales and related occupations	19.23	1.7	771	1.7	40,007	1.7
First-line supervisors/managers, sales workers	20.20	3.5	839	3.6	43,616	3.6
First-line supervisors/managers of retail sales workers	17.31	2.2	720	2.3	37,444	2.3
First-line supervisors/managers of non-retail sales workers	30.01	7.8	1,242	7.9	64,467	7.9
Retail sales workers	12.61	2.1	501	2.1	25,971	2.1
Cashiers, all workers	9.66	1.6	379	1.7	19,680	1.7
Cashiers	9.54	1.2	374	1.2	19,408	1.2
Gaming change persons and booth cashiers	11.38	6.2	455	6.2	23,661	6.2
Counter and rental clerks and parts salespersons	13.36	3.4	538	3.6	27,923	3.6
Counter and rental clerks	11.57	6.7	462	6.7	23,961	6.7
Parts salespersons	15.05	3.2	610	3.5	31,706	3.5
Retail salespersons	14.42	3.1	576	3.1	29,831	3.1
Advertising sales agents	23.28	10.7	917	10.5	47,665	10.5
Insurance sales agents	26.06	6.3	1,033	6.1	53,721	6.1
Securities, commodities, and financial services sales agents	53.54	8.7	2,141	9.0	111,338	9.0
Travel agents	14.13	11.3	549	11.8	28,528	11.8
Sales representatives, wholesale and manufacturing	30.07	3.4	1,216	3.3	63,206	3.3
Sales representatives, wholesale and manufacturing, technical and scientific products	35.55	6.7	1,426	6.5	74,073	6.5
Sales representatives, wholesale and manufacturing, except technical and scientific products	28.04	3.0	1,138	2.9	59,121	2.9
Models, demonstrators, and product promoters	16.83	7.9	672	8.0	34,968	8.0
Demonstrators and product promoters	16.83	7.9	672	8.0	34,968	8.0
Real estate brokers and sales agents	27.38	11.5	1,095	11.1	56,945	11.1

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Real estate brokers	\$24.58	13.9%	\$1,018	14.7%	\$52,945	14.7%
Real estate sales agents	28.27	14.0	1,118	13.3	58,160	13.3
Sales engineers	34.33	4.9	1,407	5.0	73,186	5.0
Telemarketers	11.49	10.1	438	10.0	22,764	10.0
Miscellaneous sales and related workers	17.00	7.3	674	7.3	34,786	7.3
Door-to-door sales workers, news and street vendors, and related workers	21.42	9.7	857	9.7	44,550	9.7
Office and administrative support occupations	15.08	.8	596	.7	30,936	.7
First-line supervisors/managers of office and administrative support workers	21.94	1.5	873	1.5	45,360	1.5
Switchboard operators, including answering service	11.78	4.5	462	4.4	24,034	4.4
Telephone operators	14.70	9.3	570	8.3	29,616	8.3
Financial clerks	14.34	1.3	567	1.2	29,493	1.2
Bill and account collectors	14.35	5.5	571	5.5	29,663	5.5
Billing and posting clerks and machine operators	14.22	1.7	562	1.6	29,198	1.6
Bookkeeping, accounting, and auditing clerks	15.21	1.4	600	1.2	31,205	1.2
Payroll and timekeeping clerks	16.83	1.6	669	1.6	34,795	1.6
Procurement clerks	16.00	3.9	636	3.7	33,089	3.7
Tellers	11.48	1.1	455	1.1	23,671	1.1
Brokerage clerks	18.19	5.2	709	5.0	36,870	5.0
Correspondence clerks	15.14	4.2	604	4.2	31,390	4.2
Credit authorizers, checkers, and clerks	14.53	3.5	578	3.6	30,055	3.6
Customer service representatives	15.36	1.8	610	1.8	31,655	1.8
Eligibility interviewers, government programs	17.72	8.1	707	8.2	36,740	8.2
File clerks	12.05	4.0	475	4.2	24,705	4.2
Hotel, motel, and resort desk clerks	9.49	1.7	374	1.8	19,208	1.8
Interviewers, except eligibility and loan	13.03	3.9	509	4.5	26,482	4.5
Library assistants, clerical	13.61	5.7	513	6.9	25,766	6.9
Loan interviewers and clerks	15.17	2.2	602	2.2	31,305	2.2
New accounts clerks	13.02	2.5	517	2.5	26,887	2.5
Order clerks	14.35	3.1	573	3.1	29,723	3.1
Human resources assistants, except payroll and timekeeping	16.96	4.5	674	4.2	35,052	4.2
Receptionists and information clerks	12.33	1.6	486	1.5	25,225	1.5
Reservation and transportation ticket agents and travel clerks	13.82	7.9	543	8.9	28,227	8.9
Cargo and freight agents	21.46	16.4	858	16.4	44,623	16.4
Couriers and messengers	11.01	3.0	423	3.7	22,011	3.7
Dispatchers	16.72	2.9	678	3.0	35,234	3.0

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Police, fire, and ambulance dispatchers	\$13.91	13.7%	\$556	13.7%	\$28,821	13.7%
Dispatchers, except police, fire, and ambulance	16.88	2.8	686	2.9	35,606	2.9
Meter readers, utilities	17.09	7.5	684	7.5	35,557	7.5
Production, planning, and expediting clerks	18.88	2.7	755	2.7	39,250	2.7
Shipping, receiving, and traffic clerks	12.94	1.6	517	1.5	26,861	1.5
Stock clerks and order fillers	12.54	1.7	499	1.7	25,944	1.7
Weighers, measurers, checkers, and samplers, recordkeeping	13.75	4.4	550	4.4	28,602	4.4
Secretaries and administrative assistants	17.96	1.2	703	1.2	36,444	1.2
Executive secretaries and administrative assistants	20.44	1.7	807	1.6	41,954	1.6
Legal secretaries	20.60	6.5	795	6.0	41,321	6.0
Medical secretaries	14.34	3.6	560	3.6	29,084	3.6
Secretaries, except legal, medical, and executive	16.08	1.7	630	1.4	32,476	1.4
Computer operators	16.79	2.8	668	2.9	34,741	2.9
Data entry and information processing workers	13.19	2.1	518	2.0	26,881	2.0
Data entry keyers	12.45	1.2	490	1.5	25,390	1.5
Word processors and typists	16.57	7.4	650	7.0	33,784	7.0
Desktop publishers	18.11	7.0	695	6.2	36,137	6.2
Insurance claims and policy processing clerks	15.33	2.4	600	2.3	31,191	2.3
Mail clerks and mail machine operators, except postal service	11.81	5.1	464	4.8	24,119	4.8
Office clerks, general	13.83	1.4	543	1.4	28,185	1.4
Office machine operators, except computer ..	12.26	3.1	485	3.0	25,043	3.0
Proofreaders and copy markers	12.89	5.5	516	5.5	26,814	5.5
Statistical assistants	17.03	6.2	665	5.3	34,554	5.3
Farming, fishing, and forestry occupations ..	11.89	9.2	475	9.2	21,878	9.2
Graders and sorters, agricultural products	9.37	9.9	369	9.6	18,709	9.6
Miscellaneous agricultural workers	9.61	6.5	384	6.5	16,304	6.5
Farmworkers and laborers, crop, nursery, and greenhouse	9.95	7.6	398	7.6	15,497	7.6
Logging workers	15.85	16.5	634	16.5	32,959	16.5
Construction and extraction occupations	19.49	1.7	778	1.7	39,753	1.7
First-line supervisors/managers of construction trades and extraction workers	26.93	3.3	1,096	3.5	56,761	3.5
Boilermakers	21.36	7.0	854	7.0	44,430	7.0
Brickmasons, blockmasons, and stonemasons	25.22	6.4	1,006	6.5	50,364	6.5

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Brickmasons and blockmasons	\$25.77	6.1%	\$1,027	6.2%	\$51,334	6.2%
Carpenters	20.37	3.1	808	2.9	41,534	2.9
Carpet, floor, and tile installers and finishers	19.46	9.4	770	9.4	39,975	9.4
Carpet installers	22.31	17.3	892	17.3	46,407	17.3
Tile and marble setters	18.11	8.3	716	8.1	37,145	8.1
Cement masons, concrete finishers, and terrazzo workers	19.21	3.8	766	4.0	38,890	4.0
Cement masons and concrete finishers	19.18	3.7	765	3.9	38,828	3.9
Construction laborers	14.93	5.3	593	5.2	29,832	5.2
Construction equipment operators	19.36	5.0	773	5.1	37,889	5.1
Paving, surfacing, and tamping equipment operators	15.53	6.6	617	6.4	29,242	6.4
Operating engineers and other construction equipment operators	20.72	5.6	829	5.8	41,121	5.8
Drywall installers, ceiling tile installers, and tapers	17.67	5.3	706	5.3	36,554	5.3
Drywall and ceiling tile installers	17.40	6.5	695	6.5	36,008	6.5
Tapers	18.72	6.8	749	6.8	38,700	6.8
Electricians	22.94	4.2	913	4.1	47,454	4.1
Glaziers	17.05	18.3	682	18.3	35,468	18.3
Insulation workers	16.36	7.4	654	7.4	34,026	7.4
Insulation workers, floor, ceiling, and wall	14.20	5.7	568	5.7	29,539	5.7
Insulation workers, mechanical	17.84	10.6	714	10.6	37,115	10.6
Painters and paperhangers	14.91	4.1	591	4.3	30,409	4.3
Painters, construction and maintenance	14.83	4.1	588	4.4	30,241	4.4
Pipelayers, plumbers, pipefitters, and steamfitters	22.74	7.4	908	7.4	47,058	7.4
Pipelayers	16.26	8.0	650	8.0	33,803	8.0
Plumbers, pipefitters, and steamfitters	23.31	6.7	931	6.7	48,220	6.7
Plasterers and stucco masons	15.84	3.6	628	3.8	32,615	3.8
Reinforcing iron and rebar workers	17.02	13.3	681	13.3	34,896	13.3
Roofers	16.01	7.7	638	7.6	30,627	7.6
Sheet metal workers	19.72	7.8	773	8.1	39,832	8.1
Structural iron and steel workers	27.88	14.2	1,115	14.2	57,899	14.2
Helpers, construction trades	12.56	2.6	501	2.6	25,547	2.6
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	15.77	12.4	623	12.7	31,575	12.7
Helpers--carpenters	12.75	5.5	510	5.5	26,490	5.5
Helpers--electricians	10.45	3.7	418	3.7	21,717	3.7
Helpers--painters, paperhangers, plasterers, and stucco masons	10.19	4.2	408	4.2	21,192	4.2
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	12.17	3.3	487	3.3	25,317	3.3
Helpers--roofers	9.68	6.1	387	6.1	19,217	6.1

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — 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 building inspectors	\$25.90	7.3%	\$1,040	7.2%	\$54,101	7.2%
Elevator installers and repairers	38.05	14.2	1,522	14.2	79,144	14.2
Hazardous materials removal workers	18.99	24.8	760	24.8	38,530	24.8
Rail-track laying and maintenance equipment operators	20.83	10.7	833	10.7	43,327	10.7
Septic tank servicers and sewer pipe cleaners	17.53	12.6	777	18.9	40,420	18.9
Miscellaneous construction and related workers	16.14	5.3	643	5.3	32,901	5.3
Derrick, rotary drill, and service unit operators, oil, gas, and mining	19.37	19.7	775	19.7	40,284	19.7
Service unit operators, oil, gas, and mining	18.34	13.5	734	13.5	38,142	13.5
Earth drillers, except oil and gas	16.94	9.3	677	9.3	35,225	9.3
Mining machine operators	20.77	7.1	831	7.1	43,169	7.1
Mine cutting and channeling machine operators	18.09	6.2	723	6.2	37,453	6.2
Roustabouts, oil and gas	18.47	7.9	739	7.9	38,421	7.9
Helpers--extraction workers	11.67	8.0	467	8.0	24,263	8.0
Installation, maintenance, and repair occupations	19.75	1.7	793	1.8	41,162	1.8
First-line supervisors/managers of mechanics, installers, and repairers	26.51	3.7	1,087	4.3	56,519	4.3
Computer, automated teller, and office machine repairers	17.01	6.2	680	6.3	35,368	6.3
Radio and telecommunications equipment installers and repairers	25.49	2.8	1,019	2.8	53,011	2.8
Telecommunications equipment installers and repairers, except line installers	25.49	2.8	1,019	2.8	53,011	2.8
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	18.70	5.4	748	5.4	38,909	5.4
Electric motor, power tool, and related repairers	13.79	7.7	552	7.7	28,686	7.7
Electrical and electronics installers and repairers, transportation equipment	22.57	10.3	903	10.3	46,940	10.3
Electrical and electronics repairers, commercial and industrial equipment	21.71	6.1	868	6.1	45,094	6.1
Electrical and electronics repairers, powerhouse, substation, and relay	29.34	6.7	1,174	6.7	61,034	6.7
Electronic equipment installers and repairers, motor vehicles	15.37	3.5	623	3.6	32,403	3.6
Electronic home entertainment equipment installers and repairers	14.42	6.2	577	6.2	29,991	6.2
Security and fire alarm systems installers	19.13	4.4	763	4.4	39,701	4.4

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Aircraft mechanics and service technicians ..	\$26.86	7.4%	\$1,080	7.4%	\$55,892	7.4%
Automotive technicians and repairers	17.98	3.0	727	3.1	37,805	3.1
Automotive body and related repairers	16.98	8.9	687	9.3	35,744	9.3
Automotive glass installers and repairers ..	16.73	5.3	669	5.3	34,790	5.3
Automotive service technicians and mechanics	18.28	3.2	739	3.2	38,442	3.2
Bus and truck mechanics and diesel engine specialists	19.50	2.2	782	2.2	40,681	2.2
Heavy vehicle and mobile equipment service technicians and mechanics	18.58	2.2	750	2.4	38,996	2.4
Farm equipment mechanics	15.74	6.2	656	8.6	34,130	8.6
Mobile heavy equipment mechanics, except engines	19.22	2.3	769	2.3	39,965	2.3
Rail car repairers	21.66	4.2	866	4.2	45,052	4.2
Small engine mechanics	15.68	5.4	625	5.3	32,183	5.3
Motorboat mechanics	15.40	12.7	610	12.9	30,970	12.9
Motorcycle mechanics	16.65	13.5	664	13.3	34,095	13.3
Outdoor power equipment and other small engine mechanics	15.44	3.7	618	3.7	32,112	3.7
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	10.71	4.9	426	5.1	22,172	5.1
Tire repairers and changers	10.51	5.2	418	5.5	21,738	5.5
Control and valve installers and repairers	21.05	7.1	842	7.1	43,758	7.1
Control and valve installers and repairers, except mechanical door	23.13	5.0	925	5.0	48,093	5.0
Heating, air conditioning, and refrigeration mechanics and installers	19.54	4.0	786	4.3	40,846	4.3
Home appliance repairers	18.29	6.8	740	6.3	38,503	6.3
Industrial machinery installation, repair, and maintenance workers	19.13	2.2	764	2.2	39,588	2.2
Industrial machinery mechanics	22.06	1.8	880	1.8	45,693	1.8
Maintenance and repair workers, general ..	16.80	3.2	670	3.1	34,662	3.1
Maintenance workers, machinery	17.03	4.4	682	4.5	35,395	4.5
Millwrights	22.21	5.6	888	5.6	46,137	5.6
Refractory materials repairers, except brickmasons	19.00	6.2	760	6.2	39,526	6.2
Line installers and repairers	25.42	2.6	1,017	2.6	52,733	2.6
Electrical power-line installers and repairers	26.87	3.9	1,075	3.9	55,896	3.9
Telecommunications line installers and repairers	24.58	3.7	983	3.7	50,920	3.7
Precision instrument and equipment repairers	21.07	5.7	841	5.7	43,747	5.7
Medical equipment repairers	19.76	11.3	790	11.3	41,099	11.3

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Miscellaneous installation, maintenance, and repair workers	\$14.66	2.8%	\$583	2.8%	\$30,097	2.8%
Coin, vending, and amusement machine servicers and repairers	14.18	8.6	564	8.4	29,282	8.4
Locksmiths and safe repairers	18.08	10.1	725	8.6	37,676	8.6
Manufactured building and mobile home installers	12.14	8.6	486	8.6	25,253	8.6
Riggers	17.39	19.7	696	19.7	36,167	19.7
Signal and track switch repairers	23.88	3.4	955	3.4	49,672	3.4
Helpers--installation, maintenance, and repair workers	11.86	3.3	472	3.4	24,195	3.4
Production occupations	15.19	1.1	605	1.2	31,422	1.2
First-line supervisors/managers of production and operating workers	22.92	1.9	931	1.9	48,392	1.9
Aircraft structure, surfaces, rigging, and systems assemblers	23.26	4.0	930	4.0	48,345	4.0
Electrical, electronics, and electromechanical assemblers	13.30	3.0	530	3.1	27,576	3.1
Coil winders, tapers, and finishers	11.39	8.2	447	7.5	23,260	7.5
Electrical and electronic equipment assemblers	13.24	3.1	529	3.1	27,496	3.1
Electromechanical equipment assemblers	14.03	5.8	560	5.9	29,106	5.9
Engine and other machine assemblers	19.09	10.2	762	10.3	39,629	10.3
Structural metal fabricators and fitters	15.80	6.6	630	6.3	32,567	6.3
Miscellaneous assemblers and fabricators	15.08	3.6	602	3.6	31,249	3.6
Fiberglass laminators and fabricators	12.87	5.8	515	5.8	26,771	5.8
Team assemblers	18.06	9.0	720	9.1	37,356	9.1
Bakers	12.56	6.6	493	6.7	25,641	6.7
Butchers and other meat, poultry, and fish processing workers	12.08	4.7	477	4.8	24,826	4.8
Butchers and meat cutters	15.03	5.1	588	5.8	30,564	5.8
Meat, poultry, and fish cutters and trimmers	9.52	7.4	378	7.5	19,651	7.5
Slaughterers and meat packers	10.97	4.2	438	4.3	22,761	4.3
Miscellaneous food processing workers	12.58	3.8	501	3.8	26,037	3.8
Food and tobacco roasting, baking, and drying machine operators and tenders	12.20	9.3	488	9.3	25,381	9.3
Food batchmakers	13.59	3.9	540	4.0	28,034	4.0
Food cooking machine operators and tenders	10.85	9.0	433	9.0	22,528	9.0
Computer control programmers and operators	17.37	4.2	697	4.2	36,242	4.2
Computer-controlled machine tool operators, metal and plastic	16.37	3.4	657	3.5	34,166	3.5

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Numerical tool and process control programmers	\$23.69	6.9%	\$950	6.9%	\$49,384	6.9%
Forming machine setters, operators, and tenders, metal and plastic	14.69	4.8	582	4.8	30,251	4.8
Extruding and drawing machine setters, operators, and tenders, metal and plastic	14.01	4.3	554	4.3	28,792	4.3
Forging machine setters, operators, and tenders, metal and plastic	13.36	7.7	534	7.7	27,626	7.7
Rolling machine setters, operators, and tenders, metal and plastic	16.67	8.9	661	8.9	34,366	8.9
Machine tool cutting setters, operators, and tenders, metal and plastic	14.47	2.3	578	2.2	30,031	2.2
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	14.22	2.9	567	2.9	29,476	2.9
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	13.60	9.5	543	9.4	28,215	9.4
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	13.79	4.0	551	4.0	28,636	4.0
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	16.39	5.5	655	5.5	34,071	5.5
Milling and planing machine setters, operators, and tenders, metal and plastic	16.63	9.2	665	9.2	34,552	9.2
Machinists	20.16	1.7	805	1.7	41,877	1.7
Metal furnace and kiln operators and tenders	17.62	5.3	705	5.4	36,529	5.4
Metal-refining furnace operators and tenders	17.89	7.6	716	7.6	37,191	7.6
Pourers and casters, metal	17.04	8.0	682	8.0	35,109	8.0
Model makers and patternmakers, metal and plastic	22.21	6.9	888	6.9	45,996	6.9
Model makers, metal and plastic	23.48	8.0	939	8.0	48,610	8.0
Patternmakers, metal and plastic	17.98	11.0	719	11.0	37,312	11.0
Molders and molding machine setters, operators, and tenders, metal and plastic	13.02	3.3	519	3.3	26,957	3.3
Foundry mold and coremakers	16.72	8.9	669	8.9	34,779	8.9
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	12.77	3.4	509	3.4	26,430	3.4
Multiple machine tool setters, operators, and tenders, metal and plastic	16.41	3.8	651	4.1	33,829	4.1

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Tool and die makers	\$23.89	1.8%	\$955	1.8%	\$49,596	1.8%
Welding, soldering, and brazing workers	16.35	2.4	652	2.4	33,900	2.4
Welders, cutters, solderers, and brazers	16.45	2.7	657	2.7	34,171	2.7
Welding, soldering, and brazing machine setters, operators, and tenders	15.63	5.6	619	5.6	32,090	5.6
Miscellaneous metalworkers and plastic workers	14.94	5.4	598	5.4	31,054	5.4
Heat treating equipment setters, operators, and tenders, metal and plastic	16.63	10.2	665	10.2	34,444	10.2
Lay-out workers, metal and plastic	17.23	15.2	689	15.2	35,845	15.2
Plating and coating machine setters, operators, and tenders, metal and plastic	14.88	6.9	592	7.0	30,774	7.0
Tool grinders, filers, and sharpeners	18.02	5.7	723	5.6	37,589	5.6
Bookbinders and bindery workers	13.01	4.1	508	3.7	26,380	3.7
Bindery workers	12.94	4.2	505	3.8	26,257	3.8
Printers	16.24	3.5	643	3.4	33,438	3.4
Job printers	16.86	5.5	660	5.1	34,320	5.1
Prepress technicians and workers	16.72	3.2	661	3.2	34,361	3.2
Printing machine operators	15.97	4.9	634	4.8	32,963	4.8
Laundry and dry-cleaning workers	9.80	4.0	386	4.2	20,061	4.2
Pressers, textile, garment, and related materials	9.10	5.0	354	5.4	18,394	5.4
Sewing machine operators	10.58	8.1	418	8.4	21,704	8.4
Tailors, dressmakers, and sewers	14.31	8.6	541	8.7	28,158	8.7
Sewers, hand	15.11	21.3	605	21.3	31,436	21.3
Tailors, dressmakers, and custom sewers ..	14.23	8.0	536	8.1	27,872	8.1
Textile machine setters, operators, and tenders	11.79	3.4	467	3.6	24,266	3.6
Textile bleaching and dyeing machine operators and tenders	12.70	9.6	508	9.6	26,391	9.6
Textile cutting machine setters, operators, and tenders	11.07	4.8	431	5.4	22,413	5.4
Textile knitting and weaving machine setters, operators, and tenders	12.18	6.4	487	6.4	25,336	6.4
Textile winding, twisting, and drawing out machine setters, operators, and tenders	11.87	4.7	471	5.0	24,483	5.0
Miscellaneous textile, apparel, and furnishings workers	12.96	7.2	515	7.1	26,747	7.1
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	15.65	7.6	616	7.6	32,024	7.6
Fabric and apparel patternmakers	18.73	9.3	724	11.0	37,668	11.0
Upholsterers	14.85	12.5	592	12.5	30,778	12.5
Cabinetmakers and bench carpenters	13.37	4.8	534	4.6	27,699	4.6

See footnotes at end of table.

RSE Table 4

**Full-time private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Furniture finishers	\$12.71	8.5%	\$508	8.5%	\$26,431	8.5%
Model makers and patternmakers, wood	18.60	12.6	744	12.6	38,685	12.6
Woodworking machine setters, operators, and tenders	12.25	3.3	489	3.3	25,383	3.3
Sawing machine setters, operators, and tenders, wood	11.66	6.0	466	6.0	24,115	6.0
Woodworking machine setters, operators, and tenders, except sawing	12.75	3.3	509	3.4	26,456	3.4
Power plant operators, distributors, and dispatchers	29.80	3.7	1,192	3.7	62,003	3.7
Power distributors and dispatchers	32.90	7.9	1,323	8.0	68,779	8.0
Power plant operators	27.82	5.7	1,113	5.7	57,871	5.7
Stationary engineers and boiler operators	24.28	5.4	959	5.3	49,859	5.3
Water and liquid waste treatment plant and system operators	22.07	7.5	883	7.5	45,904	7.5
Miscellaneous plant and system operators	24.24	4.9	960	5.1	49,937	5.1
Chemical plant and system operators	23.33	4.5	910	3.9	47,338	3.9
Gas plant operators	27.94	6.1	1,117	6.1	58,107	6.1
Petroleum pump system operators, refinery operators, and gaugers	25.54	7.1	1,021	7.1	53,067	7.1
Chemical processing machine setters, operators, and tenders	19.22	6.0	767	6.0	39,858	6.0
Chemical equipment operators and tenders Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	17.79	8.0	708	8.0	36,817	8.0
20.39	8.7	815	8.7	42,359	8.7	
Crushing, grinding, polishing, mixing, and blending workers	15.48	4.1	618	4.0	31,729	4.0
Crushing, grinding, and polishing machine setters, operators, and tenders	16.24	8.9	649	8.9	33,365	8.9
Grinding and polishing workers, hand	12.55	5.9	502	5.9	25,701	5.9
Mixing and blending machine setters, operators, and tenders	16.42	4.3	654	4.3	33,649	4.3
Cutting workers	13.29	3.0	529	3.0	27,130	3.0
Cutters and trimmers, hand	13.04	6.2	520	6.3	26,931	6.3
Cutting and slicing machine setters, operators, and tenders	13.38	3.4	532	3.2	27,196	3.2
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	14.01	7.3	559	7.2	29,053	7.2
Furnace, kiln, oven, drier, and kettle operators and tenders	14.91	11.5	597	11.5	31,019	11.5
Inspectors, testers, sorters, samplers, and weighers	15.62	2.7	623	2.7	32,330	2.7

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Medical, dental, and ophthalmic laboratory technicians	\$14.97	3.8%	\$594	4.0%	\$30,894	4.0%
Dental laboratory technicians	15.57	7.9	612	8.3	31,823	8.3
Medical appliance technicians	15.32	2.2	613	2.2	31,856	2.2
Ophthalmic laboratory technicians	13.13	9.1	525	9.1	27,309	9.1
Packaging and filling machine operators and tenders	14.59	6.0	582	5.9	30,199	5.9
Painting workers	15.02	4.3	601	4.3	31,228	4.3
Coating, painting, and spraying machine setters, operators, and tenders	14.01	3.6	559	3.5	29,069	3.5
Painters, transportation equipment	18.65	10.5	750	10.9	39,000	10.9
Painting, coating, and decorating workers	12.49	7.1	498	7.1	25,920	7.1
Photographic process workers and processing machine operators	12.87	8.0	504	7.3	26,123	7.3
Photographic process workers	14.40	15.5	562	14.0	29,105	14.0
Photographic processing machine operators	11.80	6.2	463	5.6	24,028	5.6
Semiconductor processors	16.27	5.3	648	5.4	33,696	5.4
Miscellaneous production workers	12.95	2.9	516	2.9	26,719	2.9
Cementing and gluing machine operators and tenders	12.61	5.7	504	5.7	26,222	5.7
Cleaning, washing, and metal pickling equipment operators and tenders	17.17	22.1	687	22.1	35,723	22.1
Etchers and engravers	17.36	13.6	679	11.8	35,297	11.8
Molders, shapers, and casters, except metal and plastic	12.51	6.7	500	6.7	26,017	6.7
Paper goods machine setters, operators, and tenders	16.30	9.2	649	9.2	33,743	9.2
Tire builders	16.34	9.0	653	9.0	33,969	9.0
Helpers--production workers	11.23	1.8	446	1.8	23,133	1.8
Transportation and material moving occupations	15.03	1.3	605	1.5	31,231	1.5
First-line supervisors/managers of helpers, laborers, and material movers, hand	19.32	4.1	793	4.9	41,118	4.9
First-line supervisors/managers of machine and vehicle operators	23.00	3.1	958	3.2	49,834	3.2
Aircraft pilots and flight engineers	95.31	13.8	2,327	5.8	120,505	5.8
Airline pilots, copilots, and flight engineers	111.15	9.2	2,464	3.8	128,122	3.8
Ambulance drivers and attendants, except emergency medical technicians	10.79	9.1	432	9.1	22,442	9.1
Bus drivers	14.17	14.5	542	13.4	26,804	13.4
Bus drivers, transit and intercity	14.59	16.9	580	16.8	30,046	16.8

See footnotes at end of table.

RSE Table 4

Full-time private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Bus drivers, school	\$12.26	9.6%	\$402	8.6%	\$16,931	8.6%
Driver/sales workers and truck drivers	16.13	1.4	669	1.7	34,529	1.7
Driver/sales workers	16.01	5.1	649	5.2	33,760	5.2
Truck drivers, heavy and tractor-trailer	16.96	1.7	719	2.1	36,992	2.1
Truck drivers, light or delivery services	14.47	2.7	578	2.8	29,957	2.8
Taxi drivers and chauffeurs	10.19	9.3	392	8.9	20,366	8.9
Locomotive engineers and operators	27.40	22.1	1,161	18.3	59,385	18.3
Locomotive engineers	27.84	22.8	1,187	18.4	61,702	18.4
Railroad brake, signal, and switch operators	25.06	11.5	1,003	11.5	52,130	11.5
Sailors and marine oilers	12.48	5.7	551	7.0	27,407	7.0
Ship and boat captains and operators	19.45	15.6	967	21.9	45,441	21.9
Captains, mates, and pilots of water vessels	19.45	15.6	967	21.9	45,441	21.9
Ship engineers	30.16	17.3	1,322	4.7	59,047	4.7
Parking lot attendants	7.72	4.0	302	4.5	15,713	4.5
Service station attendants	10.32	7.5	410	7.5	21,319	7.5
Transportation inspectors	26.26	15.5	1,095	14.4	56,932	14.4
Conveyor operators and tenders	15.13	15.1	605	15.1	31,464	15.1
Crane and tower operators	18.53	6.9	741	6.9	38,453	6.9
Dredge, excavating, and loading machine operators	15.96	3.6	637	3.6	32,505	3.6
Excavating and loading machine and dragline operators	15.85	3.7	633	3.7	32,282	3.7
Hoist and winch operators	14.70	19.9	585	20.3	30,410	20.3
Industrial truck and tractor operators	14.25	2.0	569	2.0	29,405	2.0
Laborers and material movers, hand	11.22	1.1	445	1.1	23,015	1.1
Cleaners of vehicles and equipment	10.32	2.6	412	2.7	21,398	2.7
Laborers and freight, stock, and material movers, hand	11.83	1.4	469	1.4	24,229	1.4
Machine feeders and offbearers	11.42	2.8	454	2.8	23,598	2.8
Packers and packagers, hand	10.04	1.9	398	2.0	20,544	2.0
Pumping station operators	21.10	5.5	844	5.5	43,138	5.5
Refuse and recyclable material collectors	11.04	7.0	476	5.8	24,757	5.8
Tank car, truck, and ship loaders	21.74	9.7	909	8.7	45,238	8.7

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

² Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, and hazard pay. Excluded are premium pay for overtime, vacations, and holidays; nonproduction bonuses; and tips. The mean is computed by totaling the pay of all workers and dividing by the number of workers, weighed by hours.

³ The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see appendix A.

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

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

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

SOURCE: Bureau of Labor Statistics, National Compensation Survey.