

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
All workers	\$22.33	1.1%	\$886	1.1%	\$45,827	1.1%
Management occupations	47.49	3.9	1,918	3.9	99,750	3.9
Chief executives	148.03	15.3	6,200	13.2	322,391	13.2
General and operations managers	59.42	21.7	2,410	21.2	125,336	21.2
Marketing and sales managers	47.67	5.3	1,930	5.6	100,347	5.6
Marketing managers	46.07	6.6	1,845	7.0	95,930	7.0
Sales managers	50.07	6.9	2,060	7.3	107,138	7.3
Public relations managers	43.72	9.1	1,720	8.6	89,430	8.6
Administrative services managers	37.81	6.6	1,570	7.2	81,614	7.2
Computer and information systems managers	52.49	4.1	2,112	3.8	109,812	3.8
Financial managers	41.61	3.7	1,683	3.7	87,513	3.7
Human resources managers	44.72	10.4	1,818	9.7	94,517	9.7
Training and development managers	43.59	25.5	1,856	21.3	96,508	21.3
Industrial production managers	44.92	6.2	1,853	5.6	96,339	5.6
Purchasing managers	61.40	8.7	2,456	8.7	127,707	8.7
Transportation, storage, and distribution managers	46.51	7.4	1,860	7.4	96,740	7.4
Construction managers	33.63	10.1	1,377	10.9	71,588	10.9
Education administrators	30.15	6.1	1,224	7.4	63,355	7.4
Education administrators, postsecondary ..	27.49	10.3	1,070	9.0	55,660	9.0
Engineering managers	55.94	6.8	2,237	6.8	116,346	6.8
Medical and health services managers	40.75	4.7	1,650	4.9	85,788	4.9
Social and community service managers	28.63	3.9	1,129	3.2	58,694	3.2
Business and financial operations occupations	31.68	1.6	1,266	1.6	65,853	1.6
Buyers and purchasing agents	31.03	5.3	1,254	5.1	65,224	5.1
Wholesale and retail buyers, except farm products	37.53	11.6	1,496	11.5	77,777	11.5
Purchasing agents, except wholesale, retail, and farm products	29.10	4.8	1,183	4.6	61,505	4.6
Claims adjusters, appraisers, examiners, and investigators	26.79	4.7	1,050	4.4	54,586	4.4
Claims adjusters, examiners, and investigators	26.79	4.7	1,050	4.4	54,586	4.4
Compliance officers, except agriculture, construction, health and safety, and transportation	24.57	7.5	983	7.5	51,113	7.5
Cost estimators	49.15	7.5	2,110	9.0	109,735	9.0
Human resources, training, and labor relations specialists	33.57	6.0	1,335	6.0	69,399	6.0

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Business and financial operations occupations –Continued						
Employment, recruitment, and placement specialists	\$32.22	5.7%	\$1,289	5.7%	\$67,021	5.7%
Compensation, benefits, and job analysis specialists	29.35	10.7	1,158	10.3	60,238	10.3
Training and development specialists	30.21	3.6	1,199	3.5	62,358	3.5
Logisticians	29.99	4.9	1,199	4.9	62,371	4.9
Management analysts	38.74	6.4	1,550	6.3	80,575	6.3
Accountants and auditors	29.96	2.7	1,198	2.8	62,306	2.8
Credit analysts	24.30	13.0	972	13.0	50,544	13.0
Financial analysts and advisors	33.13	5.2	1,330	5.1	69,158	5.1
Financial analysts	35.62	5.8	1,432	5.8	74,472	5.8
Insurance underwriters	28.10	11.4	1,128	11.1	58,679	11.1
Loan counselors and officers	31.90	10.9	1,344	14.0	69,878	14.0
Loan officers	31.90	10.9	1,344	14.0	69,878	14.0
Computer and mathematical science occupations						
Computer programmers	33.69	2.1	1,357	2.1	70,552	2.1
Computer software engineers	31.65	2.6	1,271	2.8	66,089	2.8
Computer software engineers, applications	38.28	4.4	1,573	4.2	81,788	4.2
Computer software engineers, systems software	35.83	5.1	1,504	5.6	78,228	5.6
Computer support specialists	40.06	6.2	1,621	5.4	84,268	5.4
Computer systems analysts	22.06	4.7	880	4.7	45,773	4.7
Database administrators	36.32	2.6	1,447	2.7	75,241	2.7
Network and computer systems administrators	31.20	6.8	1,227	7.8	63,812	7.8
Network systems and data communications analysts	33.23	7.3	1,348	7.5	70,096	7.5
Network systems and data communications analysts	34.30	6.2	1,366	6.3	71,030	6.3
Architecture and engineering occupations						
Engineers	34.72	1.7	1,409	1.5	73,261	1.5
Civil engineers	37.78	2.0	1,541	1.9	80,112	1.9
Electrical and electronics engineers	36.75	4.8	1,546	4.4	80,389	4.4
Electrical engineers	41.56	7.8	1,724	6.0	89,649	6.0
Electronics engineers, except computer	36.31	11.3	1,533	8.5	79,706	8.5
Electronics engineers, except computer	52.85	10.5	2,114	10.5	109,926	10.5
Industrial engineers, including health and safety	33.75	5.3	1,394	4.1	72,482	4.1
Industrial engineers	33.84	5.4	1,402	3.8	72,897	3.8
Materials engineers	33.07	5.6	1,323	5.6	68,777	5.6
Mechanical engineers	34.66	2.8	1,424	3.3	74,073	3.3

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Architecture and engineering occupations						
–Continued						
Drafters	\$26.05	8.6%	\$1,042	8.6%	\$54,177	8.6%
Mechanical drafters	26.28	10.3	1,051	10.3	54,669	10.3
Engineering technicians, except drafters	26.19	3.1	1,050	3.1	54,591	3.1
Electrical and electronic engineering technicians	23.29	7.0	935	7.2	48,537	7.2
Electro-mechanical technicians	26.52	9.9	1,061	9.9	55,160	9.9
Industrial engineering technicians	24.24	4.2	985	5.3	51,156	5.3
Mechanical engineering technicians	24.54	8.4	982	8.4	51,052	8.4
Life, physical, and social science occupations	32.30	6.2	1,277	6.0	65,730	6.0
Life scientists	34.94	12.9	1,371	13.4	71,309	13.4
Biological scientists	31.29	12.7	1,251	12.7	65,073	12.7
Medical scientists	37.98	19.7	1,468	20.8	76,321	20.8
Physical scientists	41.22	6.4	1,663	6.0	82,707	6.0
Chemists and materials scientists	41.98	9.3	1,699	8.7	88,354	8.7
Chemists	40.68	10.3	1,650	9.7	85,807	9.7
Market and survey researchers	28.65	12.6	1,153	12.7	59,963	12.7
Market research analysts	27.84	15.3	1,122	15.5	58,349	15.5
Chemical technicians	25.20	11.8	1,008	11.8	52,421	11.8
Miscellaneous life, physical, and social science technicians	21.40	7.5	856	7.5	44,506	7.5
Community and social services occupations	17.00	3.6	674	3.6	35,017	3.6
Counselors	17.12	9.7	678	9.4	35,147	9.4
Educational, vocational, and school counselors	18.05	12.4	705	11.5	36,375	11.5
Social workers	18.35	3.3	731	3.4	38,020	3.4
Child, family, and school social workers ..	16.77	6.6	668	6.8	34,724	6.8
Medical and public health social workers	23.79	3.6	947	3.6	49,263	3.6
Mental health and substance abuse social workers	15.89	4.7	633	5.1	32,917	5.1
Miscellaneous community and social service specialists	13.65	4.8	542	5.0	28,182	5.0
Social and human service assistants	12.92	7.5	514	7.6	26,751	7.6
Legal occupations	66.24	2.5	2,692	2.5	139,987	2.5
Lawyers	74.59	2.8	3,130	3.1	162,748	3.1
Education, training, and library occupations	39.83	11.6	1,569	12.2	70,123	12.2
Postsecondary teachers	53.57	8.6	2,208	9.2	93,566	9.2

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Education, training, and library occupations						
–Continued						
Math and computer teachers, postsecondary	\$53.42	13.6%	\$2,103	14.6%	\$92,027	14.6%
Social sciences teachers, postsecondary	37.09	7.0	1,497	7.4	59,410	7.4
Health teachers, postsecondary	77.17	7.9	3,537	6.7	175,047	6.7
Health specialties teachers, postsecondary	83.46	6.0	3,940	6.2	202,282	6.2
Law, criminal justice, and social work teachers, postsecondary	65.65	23.6	2,617	23.5	111,262	23.5
Arts, communications, and humanities teachers, postsecondary	38.19	3.9	1,537	3.4	62,185	3.4
Art, drama, and music teachers, postsecondary	37.71	5.6	1,485	5.8	62,740	5.8
English language and literature teachers, postsecondary	35.55	7.5	1,507	7.2	57,198	7.2
Miscellaneous postsecondary teachers	33.03	9.1	1,276	9.1	54,425	9.1
Primary, secondary, and special education school teachers	29.92	5.3	1,144	4.9	43,524	4.9
Elementary and middle school teachers	30.78	8.2	1,216	8.2	45,147	8.2
Elementary school teachers, except special education	30.90	7.8	1,236	7.8	45,694	7.8
Middle school teachers, except special and vocational education	30.57	10.8	1,186	10.0	44,296	10.0
Secondary school teachers	31.71	4.2	1,189	4.3	44,619	4.3
Secondary school teachers, except special and vocational education	31.71	4.2	1,189	4.3	44,619	4.3
Other teachers and instructors	31.52	8.0	1,183	5.6	59,876	5.6
Teacher assistants	11.20	5.7	431	9.3	21,887	9.3
Arts, design, entertainment, sports, and media occupations	26.35	3.5	1,039	3.5	53,275	3.5
Designers	27.85	6.7	1,100	6.6	57,183	6.6
Graphic designers	22.85	7.7	892	7.6	46,371	7.6
Athletes, coaches, umpires, and related workers	22.62	14.7	865	17.8	38,272	17.8
Coaches and scouts	22.62	14.7	865	17.8	38,272	17.8
News analysts, reporters and correspondents	25.95	9.1	1,061	9.2	55,156	9.2
Reporters and correspondents	25.95	9.1	1,061	9.2	55,156	9.2
Public relations specialists	24.38	12.4	966	12.4	50,225	12.4
Writers and editors	25.35	5.8	1,001	5.7	52,055	5.7
Editors	25.28	10.4	956	10.1	49,703	10.1
Technical writers	25.04	9.0	1,016	9.4	52,812	9.4

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Healthcare practitioner and technical occupations	\$27.70	2.2%	\$1,085	2.3%	\$56,415	2.3%
Pharmacists	50.43	1.0	2,017	1.0	104,900	1.0
Physicians and surgeons	68.80	10.7	2,838	9.2	147,593	9.2
Registered nurses	30.16	2.0	1,165	1.9	60,580	1.9
Therapists	29.67	8.3	1,166	8.6	60,616	8.6
Occupational therapists	28.37	2.4	1,093	3.1	56,834	3.1
Physical therapists	38.07	7.8	1,509	8.1	78,445	8.1
Respiratory therapists	23.20	2.7	900	3.6	46,812	3.6
Clinical laboratory technologists and technicians	20.14	4.1	804	4.1	41,787	4.1
Medical and clinical laboratory technologists	25.55	3.0	1,016	3.2	52,806	3.2
Medical and clinical laboratory technicians	16.77	7.0	671	7.0	34,871	7.0
Diagnostic related technologists and technicians	30.69	5.3	1,218	5.5	63,343	5.5
Cardiovascular technologists and technicians	41.69	17.6	1,668	17.6	86,715	17.6
Diagnostic medical sonographers	32.34	8.8	1,294	8.8	67,269	8.8
Radiologic technologists and technicians ..	26.78	5.4	1,058	5.7	55,035	5.7
Health diagnosing and treating practitioner support technicians	15.91	3.3	634	3.2	32,951	3.2
Pharmacy technicians	14.49	2.2	579	2.2	30,130	2.2
Psychiatric technicians	12.43	2.8	497	2.8	25,855	2.8
Surgical technologists	17.91	5.3	710	4.9	36,913	4.9
Licensed practical and licensed vocational nurses	19.65	1.5	756	1.6	39,291	1.6
Medical records and health information technicians	16.26	5.7	648	5.7	33,699	5.7
Miscellaneous health technologists and technicians	18.69	7.1	743	7.3	38,648	7.3
Healthcare support occupations	12.20	2.0	477	2.0	24,802	2.0
Nursing, psychiatric, and home health aides	11.49	1.4	448	1.3	23,275	1.3
Home health aides	10.46	2.4	417	2.3	21,691	2.3
Nursing aides, orderlies, and attendants	11.79	1.9	456	1.9	23,721	1.9
Psychiatric aides	10.79	4.9	423	4.7	22,021	4.7
Physical therapist assistants and aides	16.14	12.4	633	13.5	32,911	13.5
Physical therapist aides	12.07	5.4	466	6.0	24,234	6.0
Miscellaneous healthcare support occupations	14.03	3.6	556	3.7	28,900	3.7
Medical assistants	14.74	7.6	583	7.8	30,311	7.8

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Healthcare support occupations –Continued						
Medical equipment preparers	\$13.71	6.2%	\$548	6.2%	\$28,519	6.2%
Medical transcriptionists	16.71	2.6	647	4.0	33,647	4.0
Protective service occupations	11.80	4.3	469	4.6	24,351	4.6
Security guards and gaming surveillance officers	11.32	3.2	448	3.2	23,296	3.2
Security guards	11.31	3.2	448	3.2	23,270	3.2
Miscellaneous protective service workers	10.34	8.7	417	8.6	20,295	8.6
Food preparation and serving related occupations	10.55	2.6	406	3.2	21,080	3.2
First-line supervisors/managers, food preparation and serving workers	16.51	3.7	677	3.7	34,962	3.7
First-line supervisors/managers of food preparation and serving workers	16.27	4.6	656	5.2	34,113	5.2
Cooks	11.67	3.9	454	3.7	23,585	3.7
Cooks, institution and cafeteria	12.80	6.8	510	6.9	26,508	6.9
Cooks, restaurant	11.31	4.3	437	4.3	22,700	4.3
Food preparation workers	10.71	4.8	428	4.8	22,268	4.8
Food service, tipped	5.99	13.5	212	15.2	11,029	15.2
Bartenders	6.79	8.9	244	11.5	12,698	11.5
Waiters and waitresses	3.88	16.1	129	17.4	6,710	17.4
Dining room and cafeteria attendants and bartender helpers	8.67	8.9	335	8.4	17,444	8.4
Fast food and counter workers	9.99	2.6	386	2.5	19,948	2.5
Combined food preparation and serving workers, including fast food	9.87	3.5	377	3.0	19,469	3.0
Counter attendants, cafeteria, food concession, and coffee shop	10.26	3.7	405	3.5	21,079	3.5
Food servers, nonrestaurant	10.60	6.2	402	8.2	20,884	8.2
Dishwashers	9.65	6.0	377	7.2	19,597	7.2
Building and grounds cleaning and maintenance occupations	11.73	4.2	466	4.2	23,810	4.2
Building cleaning workers	11.68	4.7	464	4.7	23,742	4.7
Janitors and cleaners, except maids and housekeeping cleaners	11.61	2.4	461	2.5	23,426	2.5
Maids and housekeeping cleaners	10.88	2.3	432	2.3	22,422	2.3
Grounds maintenance workers	10.72	7.8	429	7.8	21,484	7.8
Landscaping and groundskeeping workers	10.75	8.0	430	8.0	21,524	8.0
Personal care and service occupations	13.86	3.4	464	3.4	22,906	3.4

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Personal care and service occupations						
–Continued						
Gaming services workers	\$8.57	9.0%	\$343	9.0%	\$17,833	9.0%
Transportation attendants	28.30	11.2	537	10.7	27,923	10.7
Flight attendants	29.35	12.3	533	11.1	27,702	11.1
Child care workers	11.54	2.6	457	3.1	23,780	3.1
Personal and home care aides	9.76	4.7	385	5.6	20,037	5.6
Recreation and fitness workers	13.45	18.7	532	18.9	25,298	18.9
Sales and related occupations	19.93	9.4	797	9.9	41,430	9.9
First-line supervisors/managers, sales workers	25.96	10.6	1,049	12.0	54,531	12.0
First-line supervisors/managers of retail sales workers	17.76	2.9	707	3.2	36,744	3.2
First-line supervisors/managers of non-retail sales workers	40.18	4.6	1,667	5.4	86,695	5.4
Retail sales workers	12.11	2.3	481	2.1	24,978	2.1
Cashiers, all workers	11.61	2.7	462	2.5	24,026	2.5
Counter and rental clerks and parts salespersons	16.50	10.4	694	10.4	36,075	10.4
Counter and rental clerks	19.63	14.5	785	14.5	40,822	14.5
Retail salespersons	12.17	2.8	481	2.6	24,962	2.6
Advertising sales agents	23.13	6.2	925	6.2	48,107	6.2
Insurance sales agents	25.25	6.9	1,010	6.9	52,521	6.9
Securities, commodities, and financial services sales agents	54.31	9.3	2,172	9.3	112,956	9.3
Sales representatives, wholesale and manufacturing	35.09	8.5	1,443	8.6	75,013	8.6
Sales representatives, wholesale and manufacturing, technical and scientific products	39.87	9.0	1,624	10.0	84,437	10.0
Sales representatives, wholesale and manufacturing, except technical and scientific products	32.79	9.9	1,354	9.9	70,409	9.9
Miscellaneous sales and related workers	19.43	11.4	776	11.5	40,336	11.5
Office and administrative support occupations	16.22	1.9	642	1.8	33,371	1.8
First-line supervisors/managers of office and administrative support workers	23.24	2.8	925	2.7	48,085	2.7
Switchboard operators, including answering service	12.95	9.3	518	9.3	26,935	9.3
Financial clerks	15.98	3.0	632	2.6	32,883	2.6

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Office and administrative support occupations –Continued						
Bill and account collectors	\$16.08	6.2%	\$636	6.2%	\$33,053	6.2%
Billing and posting clerks and machine operators	16.38	4.9	644	4.5	33,473	4.5
Bookkeeping, accounting, and auditing clerks	16.25	3.7	641	3.2	33,356	3.2
Payroll and timekeeping clerks	19.66	3.4	784	3.4	40,757	3.4
Procurement clerks	16.11	7.5	645	7.5	33,515	7.5
Tellers	12.01	3.2	480	3.2	24,980	3.2
Credit authorizers, checkers, and clerks	15.64	12.7	626	12.8	32,556	12.8
Customer service representatives	15.67	3.8	621	3.9	32,277	3.9
File clerks	13.34	5.9	530	6.2	27,536	6.2
Hotel, motel, and resort desk clerks	10.44	8.5	413	9.1	21,501	9.1
Interviewers, except eligibility and loan	13.36	7.7	534	7.7	27,792	7.7
Loan interviewers and clerks	17.18	22.8	687	22.8	35,724	22.8
Order clerks	13.67	6.4	546	6.3	28,371	6.3
Human resources assistants, except payroll and timekeeping	18.45	11.0	747	10.2	38,836	10.2
Receptionists and information clerks	13.29	2.6	522	2.5	27,143	2.5
Dispatchers	21.63	3.0	874	3.0	45,279	3.0
Dispatchers, except police, fire, and ambulance	22.38	3.6	906	3.5	47,115	3.5
Production, planning, and expediting clerks	19.50	6.1	765	6.1	39,773	6.1
Shipping, receiving, and traffic clerks	14.10	2.2	563	2.2	29,291	2.2
Stock clerks and order fillers	13.46	5.3	537	5.1	27,898	5.1
Weighers, measurers, checkers, and samplers, recordkeeping	14.34	13.3	574	13.3	29,822	13.3
Secretaries and administrative assistants	19.57	3.9	767	3.9	39,875	3.9
Executive secretaries and administrative assistants	21.28	3.4	837	3.4	43,528	3.4
Legal secretaries	28.33	5.6	1,056	4.2	54,928	4.2
Medical secretaries	15.42	5.7	608	5.8	31,638	5.8
Secretaries, except legal, medical, and executive	17.00	2.5	672	2.5	34,885	2.5
Computer operators	16.07	10.3	643	10.3	33,429	10.3
Data entry and information processing workers	14.88	5.6	592	5.6	30,762	5.6
Data entry keyers	14.12	6.4	562	6.3	29,231	6.3
Insurance claims and policy processing clerks	16.15	3.8	636	3.7	33,094	3.7
Mail clerks and mail machine operators, except postal service	13.64	8.4	529	8.3	27,482	8.3

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Office and administrative support occupations –Continued						
Office clerks, general	\$14.82	2.7%	\$586	2.7%	\$30,451	2.7%
Office machine operators, except computer ..	13.73	7.4	549	7.4	28,565	7.4
Construction and extraction occupations	27.72	3.9	1,107	3.9	55,055	3.9
First-line supervisors/managers of construction trades and extraction workers	35.61	2.5	1,435	2.5	74,614	2.5
Carpenters	29.63	7.3	1,174	7.4	61,043	7.4
Construction laborers	24.27	8.7	971	8.7	48,873	8.7
Electricians	26.62	5.2	1,065	5.2	55,378	5.2
Painters and paperhangers	24.78	8.2	989	8.2	51,408	8.2
Painters, construction and maintenance	24.78	8.2	989	8.2	51,408	8.2
Pipelayers, plumbers, pipefitters, and steamfitters	25.47	5.7	1,019	5.7	52,975	5.7
Plumbers, pipefitters, and steamfitters	25.76	6.0	1,030	6.0	53,572	6.0
Sheet metal workers	24.80	4.1	992	4.1	45,717	4.1
Miscellaneous construction and related workers	24.02	16.8	961	16.8	49,961	16.8
Installation, maintenance, and repair occupations	23.20	2.8	929	2.7	48,292	2.7
First-line supervisors/managers of mechanics, installers, and repairers	33.99	3.8	1,366	3.4	71,034	3.4
Radio and telecommunications equipment installers and repairers	21.26	16.6	850	16.6	44,224	16.6
Telecommunications equipment installers and repairers, except line installers	21.26	16.6	850	16.6	44,224	16.6
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	20.38	9.9	812	9.8	42,225	9.8
Electrical and electronics repairers, commercial and industrial equipment	24.35	3.5	959	3.8	49,860	3.8
Electrical and electronics repairers, powerhouse, substation, and relay	25.02	10.9	1,001	10.9	52,040	10.9
Aircraft mechanics and service technicians ..	25.83	10.7	1,027	10.4	53,402	10.4
Automotive technicians and repairers	20.76	7.2	867	8.6	45,070	8.6
Automotive service technicians and mechanics	20.20	7.3	826	7.8	42,941	7.8
Bus and truck mechanics and diesel engine specialists	23.69	10.2	947	10.2	49,266	10.2

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Installation, maintenance, and repair occupations –Continued						
Heavy vehicle and mobile equipment service technicians and mechanics	\$28.42	6.8%	\$1,137	6.8%	\$59,121	6.8%
Mobile heavy equipment mechanics, except engines	29.62	6.6	1,185	6.6	61,603	6.6
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	12.01	12.3	480	12.3	24,972	12.3
Heating, air conditioning, and refrigeration mechanics and installers	23.81	11.3	952	11.3	49,526	11.3
Industrial machinery installation, repair, and maintenance workers	22.82	3.0	911	2.9	47,359	2.9
Industrial machinery mechanics	25.14	2.5	1,005	2.5	52,254	2.5
Maintenance and repair workers, general ..	19.91	7.1	796	7.1	41,349	7.1
Maintenance workers, machinery	19.61	5.4	774	5.4	40,196	5.4
Millwrights	25.79	10.7	1,032	10.7	53,647	10.7
Line installers and repairers	30.16	4.9	1,206	4.9	62,735	4.9
Miscellaneous installation, maintenance, and repair workers	19.92	7.2	797	7.2	41,441	7.2
Helpers--installation, maintenance, and repair workers	13.21	16.8	528	16.8	27,474	16.8
Production occupations	18.15	1.3	724	1.3	37,630	1.3
First-line supervisors/managers of production and operating workers	26.83	3.1	1,109	2.9	57,691	2.9
Electrical, electronics, and electromechanical assemblers	13.67	8.0	547	8.0	28,442	8.0
Electrical and electronic equipment assemblers	14.59	9.2	583	9.2	30,339	9.2
Electromechanical equipment assemblers	12.75	12.4	510	12.4	26,530	12.4
Engine and other machine assemblers	20.84	6.9	829	6.9	43,132	6.9
Structural metal fabricators and fitters	19.12	17.6	749	16.6	38,061	16.6
Miscellaneous assemblers and fabricators	19.96	4.3	795	4.3	41,297	4.3
Team assemblers	20.30	11.5	808	11.6	41,900	11.6
Bakers	13.73	3.2	537	3.4	27,937	3.4
Butchers and other meat, poultry, and fish processing workers	12.67	5.1	504	4.8	26,184	4.8
Butchers and meat cutters	17.10	4.0	662	6.1	34,405	6.1
Slaughterers and meat packers	11.53	3.7	461	3.7	23,975	3.7
Miscellaneous food processing workers	14.81	9.6	592	9.6	30,718	9.6
Food and tobacco roasting, baking, and drying machine operators and tenders	12.71	17.0	508	17.0	26,439	17.0
Food batchmakers	15.50	12.1	619	12.1	32,108	12.1

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Computer control programmers and operators	\$19.77	7.6%	\$789	7.7%	\$40,998	7.7%
Computer-controlled machine tool operators, metal and plastic	18.55	5.8	739	5.8	38,441	5.8
Numerical tool and process control programmers	25.92	13.1	1,037	13.1	53,913	13.1
Forming machine setters, operators, and tenders, metal and plastic	16.31	8.2	652	8.2	33,741	8.2
Extruding and drawing machine setters, operators, and tenders, metal and plastic	14.45	8.5	578	8.5	30,054	8.5
Forging machine setters, operators, and tenders, metal and plastic	14.50	15.1	580	15.1	29,640	15.1
Rolling machine setters, operators, and tenders, metal and plastic	19.07	6.4	763	6.4	39,659	6.4
Machine tool cutting setters, operators, and tenders, metal and plastic	16.53	5.1	661	5.1	34,342	5.1
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	16.65	5.5	666	5.5	34,592	5.5
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	17.43	11.4	697	11.4	36,245	11.4
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	14.01	8.4	560	8.4	29,107	8.4
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	18.28	6.9	731	6.9	38,018	6.9
Milling and planing machine setters, operators, and tenders, metal and plastic	19.87	10.8	795	10.8	41,183	10.8
Machinists	20.66	5.9	821	5.9	42,688	5.9
Metal furnace and kiln operators and tenders	18.82	12.3	753	12.3	39,147	12.3
Model makers and patternmakers, metal and plastic	23.47	10.0	939	10.0	48,815	10.0
Model makers, metal and plastic	24.48	10.2	979	10.2	50,918	10.2
Molders and molding machine setters, operators, and tenders, metal and plastic	13.70	7.0	547	6.9	28,453	6.9
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.49	7.3	539	7.2	28,012	7.2

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Multiple machine tool setters, operators, and tenders, metal and plastic	\$18.87	4.9%	\$755	4.9%	\$39,207	4.9%
Tool and die makers	26.31	2.6	1,052	2.6	54,705	2.6
Welding, soldering, and brazing workers	17.91	5.5	713	5.5	36,953	5.5
Welders, cutters, solderers, and brazers	18.42	6.4	733	6.4	38,035	6.4
Welding, soldering, and brazing machine setters, operators, and tenders	16.94	9.6	674	9.7	34,923	9.7
Miscellaneous metalworkers and plastic workers	18.22	9.4	729	9.4	37,888	9.4
Heat treating equipment setters, operators, and tenders, metal and plastic	19.98	12.8	799	12.8	41,548	12.8
Plating and coating machine setters, operators, and tenders, metal and plastic	13.81	8.5	552	8.5	28,723	8.5
Tool grinders, filers, and sharpeners	21.29	12.4	852	12.4	44,282	12.4
Printers	19.59	4.5	767	4.4	39,871	4.4
Prepress technicians and workers	17.27	7.6	666	7.0	34,636	7.0
Printing machine operators	20.43	5.0	802	5.0	41,695	5.0
Laundry and dry-cleaning workers	10.53	5.3	420	5.2	21,852	5.2
Sewing machine operators	15.35	15.3	613	15.4	31,604	15.4
Woodworking machine setters, operators, and tenders	13.82	4.3	553	4.3	28,633	4.3
Sawing machine setters, operators, and tenders, wood	12.81	8.7	512	8.7	26,339	8.7
Woodworking machine setters, operators, and tenders, except sawing	14.34	3.8	574	3.8	29,826	3.8
Power plant operators, distributors, and dispatchers	34.02	7.2	1,361	7.2	70,752	7.2
Power plant operators	29.24	3.9	1,170	3.9	60,827	3.9
Miscellaneous plant and system operators	25.91	4.8	1,016	3.0	52,850	3.0
Chemical plant and system operators	25.55	5.6	999	3.3	51,928	3.3
Crushing, grinding, polishing, mixing, and blending workers	17.21	7.4	689	7.4	35,734	7.4
Grinding and polishing workers, hand	13.42	8.0	537	8.0	27,786	8.0
Mixing and blending machine setters, operators, and tenders	19.76	10.1	790	10.1	41,099	10.1
Cutting workers	13.66	10.3	546	10.3	28,404	10.3
Cutters and trimmers, hand	9.84	7.3	394	7.3	20,476	7.3
Cutting and slicing machine setters, operators, and tenders	15.79	9.0	632	9.0	32,852	9.0

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	\$16.52	7.0%	\$661	7.0%	\$34,355	7.0%
Furnace, kiln, oven, drier, and kettle operators and tenders	18.03	22.3	721	22.3	37,494	22.3
Inspectors, testers, sorters, samplers, and weighers	17.29	5.7	690	5.6	35,839	5.6
Packaging and filling machine operators and tenders	14.98	5.1	599	5.1	31,136	5.1
Painting workers	14.90	4.6	596	4.6	30,946	4.6
Coating, painting, and spraying machine setters, operators, and tenders	13.93	3.2	557	3.2	28,947	3.2
Painters, transportation equipment	22.24	12.8	890	12.8	46,254	12.8
Miscellaneous production workers	15.83	9.6	629	9.7	32,688	9.7
Paper goods machine setters, operators, and tenders	17.03	23.9	680	23.9	35,335	23.9
Helpers--production workers	14.56	5.0	577	5.2	30,001	5.2
Transportation and material moving occupations						
First-line supervisors/managers of helpers, laborers, and material movers, hand	23.25	4.7	935	5.2	48,596	5.2
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	26.35	4.4	1,140	6.9	59,268	6.9
Aircraft pilots and flight engineers	74.03	32.9	1,486	35.5	77,268	35.5
Airline pilots, copilots, and flight engineers	77.12	38.9	1,450	38.0	75,403	38.0
Driver/sales workers and truck drivers	20.93	2.6	865	3.4	44,976	3.4
Driver/sales workers	15.04	6.0	602	6.0	31,288	6.0
Truck drivers, heavy and tractor-trailer	20.93	4.7	886	6.5	46,061	6.5
Truck drivers, light or delivery services	22.42	4.5	897	4.5	46,611	4.5
Industrial truck and tractor operators	16.24	6.5	646	6.5	33,383	6.5
Laborers and material movers, hand	13.50	4.4	536	4.3	27,638	4.3
Cleaners of vehicles and equipment	14.46	20.0	578	20.0	30,018	20.0
Laborers and freight, stock, and material movers, hand	14.35	3.9	569	3.9	29,229	3.9

See footnotes at end of table.

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Transportation and material moving occupations –Continued						
Machine feeders and offbearers	\$12.77	9.3%	\$510	9.3%	\$26,333	9.3%
Packers and packagers, hand	11.97	8.1	473	8.0	24,607	8.0

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

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

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

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

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

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

SOURCE: Bureau of Labor Statistics, National Compensation Survey.