

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	\$24.93	1.4%	\$972	1.4%	\$50,162	1.4%
Management occupations	53.15	3.9	2,095	3.9	108,933	3.9
General and operations managers	55.55	12.3	2,310	11.6	120,138	11.6
Marketing and sales managers	46.70	7.1	1,856	5.8	96,522	5.8
Marketing managers	52.19	7.9	2,023	7.7	105,188	7.7
Sales managers	36.40	10.7	1,520	11.2	79,017	11.2
Public relations managers	71.61	13.3	2,724	16.4	141,646	16.4
Administrative services managers	31.75	6.4	1,242	8.6	64,574	8.6
Computer and information systems managers	62.73	4.3	2,465	3.6	128,154	3.6
Financial managers	53.23	4.4	2,101	5.1	109,247	5.1
Human resources managers	40.72	9.7	1,573	9.5	81,810	9.5
Compensation and benefits managers	44.66	24.8	1,708	22.1	88,810	22.1
Industrial production managers	40.19	8.3	1,608	8.3	83,599	8.3
Purchasing managers	49.58	18.3	1,961	17.0	101,966	17.0
Transportation, storage, and distribution managers	40.74	18.1	1,628	18.1	84,631	18.1
Education administrators	38.57	9.1	1,470	9.1	76,350	9.1
Education administrators, postsecondary ..	38.62	9.0	1,468	8.5	76,337	8.5
Engineering managers	53.46	7.0	2,150	6.5	111,811	6.5
Medical and health services managers	48.69	9.6	1,865	8.6	97,004	8.6
Social and community service managers	28.48	2.1	1,071	2.5	55,711	2.5
Business and financial operations occupations	31.37	4.2	1,229	3.9	63,917	3.9
Buyers and purchasing agents	24.78	5.7	1,002	4.9	52,109	4.9
Wholesale and retail buyers, except farm products	24.65	8.1	986	8.1	51,267	8.1
Purchasing agents, except wholesale, retail, and farm products	24.84	7.3	1,011	6.3	52,549	6.3
Claims adjusters, appraisers, examiners, and investigators	25.49	4.6	976	3.9	50,748	3.9
Claims adjusters, examiners, and investigators	25.34	4.5	968	3.6	50,331	3.6
Human resources, training, and labor relations specialists	26.86	10.1	1,041	12.2	54,123	12.2
Employment, recruitment, and placement specialists	27.02	16.9	1,063	18.4	55,266	18.4
Compensation, benefits, and job analysis specialists	26.86	5.3	1,031	3.9	53,617	3.9
Training and development specialists	31.45	12.6	1,245	13.1	64,753	13.1
Logisticians	28.81	6.4	1,138	7.5	59,157	7.5
Management analysts	33.57	12.2	1,306	11.6	67,919	11.6

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
Business and financial operations occupations –Continued						
Accountants and auditors	\$30.57	6.4%	\$1,182	5.6%	\$61,472	5.6%
Credit analysts	27.49	8.5	1,049	7.0	54,560	7.0
Financial analysts and advisors	46.21	16.5	1,802	15.1	93,712	15.1
Financial analysts	47.90	19.0	1,887	17.1	98,148	17.1
Personal financial advisors	44.84	3.1	1,757	1.8	91,384	1.8
Insurance underwriters	35.51	23.1	1,287	25.5	66,929	25.5
Loan counselors and officers	31.89	23.5	1,226	21.8	63,747	21.8
Loan officers	32.66	26.5	1,256	24.9	65,326	24.9
Computer and mathematical science occupations						
.....	38.44	6.6	1,509	6.4	78,489	6.4
Computer programmers	35.59	6.3	1,412	6.2	73,429	6.2
Computer software engineers	45.08	6.0	1,783	5.6	92,730	5.6
Computer software engineers, applications	46.67	10.3	1,841	9.6	95,714	9.6
Computer software engineers, systems	43.55	5.0	1,728	4.7	89,835	4.7
Computer support specialists	30.59	13.4	1,183	13.8	61,524	13.8
Computer systems analysts	39.02	4.8	1,529	5.1	79,505	5.1
Database administrators	31.84	15.8	1,193	20.5	62,038	20.5
Network and computer systems						
administrators	31.56	5.6	1,241	5.1	64,545	5.1
Network systems and data communications						
analysts	53.69	20.5	2,126	20.5	110,548	20.5
Operations research analysts	31.84	3.9	1,251	4.2	65,075	4.2
Architecture and engineering occupations						
.....	34.89	5.4	1,398	5.5	72,694	5.5
Engineers	39.43	4.2	1,585	4.2	82,401	4.2
Civil engineers	27.70	4.7	1,134	5.1	58,951	5.1
Electrical and electronics engineers	40.77	5.6	1,631	5.6	84,801	5.6
Electrical engineers	41.61	5.1	1,664	5.1	86,553	5.1
Electronics engineers, except computer	37.05	5.3	1,482	5.3	77,067	5.3
Industrial engineers, including health and						
safety	33.26	7.8	1,330	7.8	69,182	7.8
Industrial engineers	33.26	7.8	1,330	7.8	69,182	7.8
Materials engineers	31.32	14.3	1,368	10.3	71,150	10.3
Mechanical engineers	34.71	5.2	1,396	5.1	72,535	5.1
Drafters	26.73	11.9	1,062	12.6	55,212	12.6
Electrical and electronics drafters	22.75	8.3	910	8.3	47,320	8.3
Engineering technicians, except drafters	26.40	5.4	1,052	5.5	54,684	5.5
Electrical and electronic engineering						
technicians	28.78	.3	1,149	.4	59,744	.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
Architecture and engineering occupations						
–Continued						
Mechanical engineering technicians	\$29.00	2.6%	\$1,160	2.6%	\$60,318	2.6%
Life, physical, and social science occupations	32.79	7.2	1,258	6.9	65,040	6.9
Life scientists	39.98	1.2	1,514	2.6	78,705	2.6
Biological scientists	41.07	1.7	1,518	2.9	78,957	2.9
Medical scientists	40.55	3.8	1,553	2.6	80,744	2.6
Physical scientists	37.99	9.1	1,438	6.0	74,786	6.0
Chemists and materials scientists	36.76	16.3	1,471	16.3	76,469	16.3
Market and survey researchers	24.50	8.9	941	7.5	48,941	7.5
Market research analysts	24.50	8.9	941	7.5	48,941	7.5
Psychologists	37.20	25.7	1,451	27.3	68,310	27.3
Clinical, counseling, and school psychologists	37.20	25.7	1,451	27.3	68,310	27.3
Chemical technicians	20.29	12.5	783	13.1	40,659	13.1
Miscellaneous life, physical, and social science technicians	18.79	11.6	735	11.2	38,233	11.2
Community and social services occupations	20.17	1.8	765	1.2	39,777	1.2
Counselors	17.75	7.0	688	5.1	35,777	5.1
Educational, vocational, and school counselors	18.99	7.4	714	6.4	37,092	6.4
Social workers	22.98	4.3	848	4.7	44,073	4.7
Child, family, and school social workers ..	20.91	6.3	739	3.2	38,437	3.2
Medical and public health social workers	28.29	2.8	1,048	2.9	54,473	2.9
Mental health and substance abuse social workers	16.38	8.5	638	6.8	33,177	6.8
Miscellaneous community and social service specialists	18.56	3.9	717	6.8	37,299	6.8
Social and human service assistants	13.84	8.1	531	3.9	27,618	3.9
Legal occupations	58.57	5.9	2,281	6.3	117,925	6.3
Lawyers	71.07	5.1	2,831	2.4	147,201	2.4
Paralegals and legal assistants	26.54	7.2	963	5.6	50,080	5.6
Education, training, and library occupations	41.17	17.8	1,531	16.5	66,594	16.5
Postsecondary teachers	53.57	7.5	2,024	7.1	81,773	7.1
Business teachers, postsecondary	68.51	11.2	2,484	12.3	88,212	12.3
Math and computer teachers, postsecondary	48.85	14.2	1,735	15.7	65,278	15.7
Mathematical science teachers, postsecondary	63.42	9.6	2,310	8.0	84,651	8.0

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
Education, training, and library occupations						
–Continued						
Physical sciences teachers, postsecondary	\$58.60	4.0%	\$2,105	3.9%	\$76,156	3.9%
Chemistry teachers, postsecondary	55.74	4.8	1,994	3.9	68,688	3.9
Social sciences teachers, postsecondary	56.98	17.9	2,093	17.5	75,023	17.5
Psychology teachers, postsecondary	55.20	11.7	1,990	12.6	73,081	12.6
Health teachers, postsecondary	66.72	10.7	2,488	11.9	98,135	11.9
Health specialties teachers, postsecondary	72.00	10.1	2,664	11.6	102,980	11.6
Arts, communications, and humanities teachers, postsecondary	48.43	9.5	1,800	8.7	71,041	8.7
English language and literature teachers, postsecondary	51.45	10.8	1,852	10.3	75,320	10.3
Philosophy and religion teachers, postsecondary	57.67	9.6	2,007	10.3	80,731	10.3
Miscellaneous postsecondary teachers	39.05	14.9	1,523	14.0	70,222	14.0
Primary, secondary, and special education school teachers	33.77	30.1	1,206	23.1	49,937	23.1
Elementary and middle school teachers	21.71	3.7	864	2.6	38,087	2.6
Special education teachers	31.55	27.5	1,129	22.3	45,498	22.3
Librarians	32.58	30.6	1,156	30.4	60,090	30.4
Teacher assistants	12.50	2.8	489	2.6	24,770	2.6
Arts, design, entertainment, sports, and media occupations						
Designers	39.16	8.8	1,496	9.0	72,922	9.0
Graphic designers	32.85	6.1	1,232	7.2	64,087	7.2
Graphic designers	35.35	5.9	1,313	7.0	68,289	7.0
Actors, producers, and directors	49.56	20.2	1,937	17.1	100,736	17.1
Producers and directors	49.56	20.2	1,937	17.1	100,736	17.1
Athletes, coaches, umpires, and related workers	21.47	10.7	825	10.8	39,316	10.8
Coaches and scouts	21.47	10.7	825	10.8	39,316	10.8
Public relations specialists	38.00	14.0	1,402	11.1	72,927	11.1
Writers and editors	30.43	11.6	1,164	10.1	60,539	10.1
Editors	32.92	8.0	1,236	7.5	64,273	7.5
Broadcast and sound engineering technicians and radio operators	33.69	6.5	1,348	6.5	70,076	6.5
Healthcare practitioner and technical occupations						
Pharmacists	31.25	4.8	1,201	4.7	62,302	4.7
Physicians and surgeons	47.57	1.1	1,863	.9	96,868	.9
Physicians and surgeons	48.05	17.3	1,838	16.5	95,579	16.5
Family and general practitioners	59.26	4.3	2,233	4.1	116,107	4.1

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
Healthcare practitioner and technical occupations –Continued						
Internists, general	\$57.20	23.6%	\$2,154	22.2%	\$111,985	22.2%
Registered nurses	34.04	2.7	1,298	2.6	67,515	2.6
Therapists	29.68	7.2	1,137	5.5	57,411	5.5
Physical therapists	33.49	5.4	1,284	3.6	64,579	3.6
Recreational therapists	16.31	9.6	628	9.1	32,659	9.1
Respiratory therapists	27.50	4.5	1,080	4.9	56,159	4.9
Clinical laboratory technologists and technicians	19.38	3.5	766	3.5	39,831	3.5
Medical and clinical laboratory technologists	23.50	8.9	924	8.8	48,062	8.8
Medical and clinical laboratory technicians	16.03	3.9	636	4.2	33,062	4.2
Diagnostic related technologists and technicians	24.41	8.2	942	7.4	48,970	7.4
Cardiovascular technologists and technicians	14.33	6.4	557	7.0	28,988	7.0
Radiologic technologists and technicians ..	24.27	8.4	943	7.8	49,050	7.8
Emergency medical technicians and paramedics	22.58	12.3	863	11.0	44,877	11.0
Health diagnosing and treating practitioner support technicians	17.17	14.2	669	13.4	34,790	13.4
Licensed practical and licensed vocational nurses	20.63	4.3	790	3.5	41,055	3.5
Medical records and health information technicians	18.36	14.4	721	15.6	37,472	15.6
Healthcare support occupations	12.77	3.9	480	5.8	24,981	5.8
Nursing, psychiatric, and home health aides	12.46	5.0	466	7.2	24,232	7.2
Home health aides	10.97	.5	384	1.6	19,980	1.6
Nursing aides, orderlies, and attendants	13.06	2.6	501	2.6	26,072	2.6
Physical therapist assistants and aides	14.24	12.4	554	12.8	28,830	12.8
Miscellaneous healthcare support occupations	14.90	6.0	584	5.9	30,371	5.9
Medical assistants	13.80	7.8	543	6.7	28,235	6.7
Medical equipment preparers	16.59	12.0	664	12.0	34,507	12.0
Medical transcriptionists	14.84	6.8	577	7.4	29,992	7.4
Protective service occupations	15.05	10.2	586	9.8	29,918	9.8
Security guards and gaming surveillance officers	11.89	7.8	466	8.4	24,243	8.4
Security guards	11.89	7.8	466	8.4	24,241	8.4

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
Food preparation and serving related occupations	\$11.63	4.1%	\$454	4.6%	\$23,415	4.6%
First-line supervisors/managers, food preparation and serving workers	17.41	7.7	695	7.6	35,722	7.6
First-line supervisors/managers of food preparation and serving workers	17.33	7.4	693	7.4	35,594	7.4
Cooks	13.54	3.8	532	4.2	27,331	4.2
Cooks, institution and cafeteria	13.42	7.6	526	8.4	27,327	8.4
Cooks, restaurant	13.19	19.7	522	18.6	26,192	18.6
Food preparation workers	13.64	9.7	526	8.4	26,723	8.4
Food service, tipped	6.95	15.8	267	16.8	13,831	16.8
Waiters and waitresses	6.74	18.2	263	18.5	13,685	18.5
Dining room and cafeteria attendants and bartender helpers	7.00	15.7	269	16.4	13,775	16.4
Fast food and counter workers	10.65	7.3	408	9.7	21,195	9.7
Combined food preparation and serving workers, including fast food	11.80	8.6	455	9.9	23,654	9.9
Counter attendants, cafeteria, food concession, and coffee shop	8.36	8.4	316	13.7	16,420	13.7
Food servers, nonrestaurant	11.50	3.1	441	2.8	22,933	2.8
Dishwashers	9.23	5.9	369	5.9	19,104	5.9
Building and grounds cleaning and maintenance occupations	15.10	14.4	596	14.7	30,761	14.7
First-line supervisors/managers, building and grounds cleaning and maintenance workers	34.05	5.3	1,359	5.5	70,645	5.5
First-line supervisors/managers of housekeeping and janitorial workers	22.99	10.2	916	10.1	47,656	10.1
Building cleaning workers	14.17	12.1	559	12.3	29,036	12.3
Janitors and cleaners, except maids and housekeeping cleaners	14.38	13.6	569	13.9	29,566	13.9
Maids and housekeeping cleaners	12.28	3.0	475	2.4	24,697	2.4
Grounds maintenance workers	11.28	10.9	449	11.0	19,812	11.0
Landscaping and groundskeeping workers	10.66	8.3	425	8.2	18,575	8.2
Personal care and service occupations	13.22	6.6	476	4.7	24,419	4.7
First-line supervisors/managers of gaming workers	15.95	8.0	638	8.0	33,166	8.0
Gaming supervisors	23.72	.4	949	.4	49,333	.4
Slot key persons	13.34	3.2	534	3.2	27,757	3.2
First-line supervisors/managers of personal service workers	23.06	17.9	915	18.0	47,557	18.0

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
Personal care and service occupations						
–Continued						
Gaming services workers	\$7.37	4.0%	\$295	4.0%	\$15,329	4.0%
Gaming dealers	7.37	4.0	295	4.0	15,329	4.0
Child care workers	11.00	5.4	418	7.3	21,670	7.3
Personal and home care aides	9.02	3.7	341	1.7	17,735	1.7
Recreation and fitness workers	11.06	11.4	463	6.9	17,175	6.9
Recreation workers	10.96	11.5	459	6.9	16,785	6.9
Sales and related occupations	21.93	2.1	865	2.0	44,956	2.0
First-line supervisors/managers, sales workers	22.57	16.8	902	16.3	46,897	16.3
First-line supervisors/managers of retail sales workers	18.62	8.8	745	8.8	38,737	8.8
First-line supervisors/managers of non-retail sales workers	31.49	10.3	1,255	9.3	65,254	9.3
Retail sales workers	13.38	7.0	526	6.4	27,346	6.4
Cashiers, all workers	11.30	1.6	445	1.5	23,105	1.5
Cashiers	11.26	1.5	443	1.3	23,030	1.3
Retail salespersons	14.09	9.6	553	9.0	28,770	9.0
Insurance sales agents	23.18	12.0	998	14.1	51,904	14.1
Securities, commodities, and financial services sales agents	47.73	6.9	1,889	7.4	98,248	7.4
Sales representatives, wholesale and manufacturing	36.07	10.4	1,424	10.8	74,048	10.8
Sales representatives, wholesale and manufacturing, technical and scientific products	37.64	12.2	1,436	6.8	74,665	6.8
Sales representatives, wholesale and manufacturing, except technical and scientific products	35.74	14.1	1,421	14.0	73,916	14.0
Miscellaneous sales and related workers	23.67	22.7	918	23.8	47,711	23.8
Office and administrative support occupations	17.56	2.1	679	1.9	35,231	1.9
First-line supervisors/managers of office and administrative support workers	27.47	4.9	1,049	4.0	54,560	4.0
Switchboard operators, including answering service	16.19	13.8	606	12.8	31,497	12.8
Financial clerks	16.20	2.7	632	2.4	32,871	2.4
Bill and account collectors	16.38	9.6	654	9.5	34,014	9.5
Billing and posting clerks and machine operators	16.26	2.5	625	2.6	32,521	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						
Bookkeeping, accounting, and auditing clerks	\$16.46	4.2%	\$638	4.2%	\$33,166	4.2%
Payroll and timekeeping clerks	17.11	6.2	677	6.8	35,183	6.8
Tellers	12.94	2.7	512	3.6	26,622	3.6
Brokerage clerks	21.21	4.0	826	3.3	42,966	3.3
Credit authorizers, checkers, and clerks	18.82	9.5	753	9.5	39,140	9.5
Customer service representatives	17.16	11.0	673	10.5	34,834	10.5
File clerks	12.34	3.4	484	3.1	25,184	3.1
Hotel, motel, and resort desk clerks	10.32	12.0	413	12.0	21,468	12.0
Interviewers, except eligibility and loan	15.48	5.7	575	4.5	29,920	4.5
Library assistants, clerical	15.69	2.4	585	7.4	30,248	7.4
Loan interviewers and clerks	15.83	4.2	619	3.3	32,193	3.3
Order clerks	15.49	5.9	617	5.9	30,046	5.9
Human resources assistants, except payroll and timekeeping	19.38	3.3	759	3.9	39,466	3.9
Receptionists and information clerks	14.83	5.8	568	6.0	29,041	6.0
Reservation and transportation ticket agents and travel clerks	18.34	4.3	717	3.7	37,289	3.7
Dispatchers	25.84	11.5	986	14.4	51,259	14.4
Dispatchers, except police, fire, and ambulance	26.57	10.3	1,008	13.7	52,423	13.7
Production, planning, and expediting clerks	19.17	5.0	761	4.9	39,594	4.9
Shipping, receiving, and traffic clerks	12.78	2.5	511	2.5	26,573	2.5
Stock clerks and order fillers	12.33	7.9	486	7.9	25,269	7.9
Weighers, measurers, checkers, and samplers, recordkeeping	19.07	28.1	763	28.1	39,661	28.1
Secretaries and administrative assistants	21.20	2.2	804	1.7	41,801	1.7
Executive secretaries and administrative assistants	22.43	6.7	853	6.2	44,334	6.2
Legal secretaries	29.02	7.6	1,038	5.8	53,996	5.8
Medical secretaries	15.36	9.8	578	8.2	30,067	8.2
Secretaries, except legal, medical, and executive	18.60	1.6	716	1.9	37,253	1.9
Computer operators	21.24	15.9	847	15.9	44,066	15.9
Data entry and information processing workers	15.87	18.6	610	16.6	31,745	16.6
Data entry keyers	13.49	8.4	525	7.2	27,308	7.2
Insurance claims and policy processing clerks	15.81	4.8	611	4.8	31,746	4.8
Mail clerks and mail machine operators, except postal service	12.62	7.1	487	6.1	25,314	6.1

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
Office and administrative support occupations –Continued						
Office clerks, general	\$16.27	0.8%	\$627	1.6%	\$32,527	1.6%
Office machine operators, except computer ..	12.68	13.7	486	11.5	25,255	11.5
Construction and extraction occupations	33.62	4.7	1,308	4.3	67,560	4.3
First-line supervisors/managers of construction trades and extraction workers	37.06	18.3	1,387	15.2	72,148	15.2
Carpenters	20.23	7.0	805	6.9	41,868	6.9
Construction laborers	25.07	26.3	1,003	26.3	49,121	26.3
Construction equipment operators	26.22	22.4	1,049	22.4	54,548	22.4
Operating engineers and other construction equipment operators	26.22	22.4	1,049	22.4	54,548	22.4
Electricians	35.77	13.2	1,346	13.1	70,001	13.1
Installation, maintenance, and repair occupations	23.69	3.5	945	3.6	49,133	3.6
First-line supervisors/managers of mechanics, installers, and repairers	28.40	3.1	1,139	3.4	59,212	3.4
Radio and telecommunications equipment installers and repairers	31.10	5.1	1,244	5.1	64,682	5.1
Telecommunications equipment installers and repairers, except line installers	31.10	5.1	1,244	5.1	64,682	5.1
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	19.16	14.6	766	14.6	39,845	14.6
Aircraft mechanics and service technicians ..	26.17	8.2	1,047	8.2	54,431	8.2
Automotive technicians and repairers	19.45	2.4	768	2.9	39,913	2.9
Bus and truck mechanics and diesel engine specialists	22.68	9.0	907	9.0	47,176	9.0
Control and valve installers and repairers	31.56	10.3	1,262	10.3	65,647	10.3
Control and valve installers and repairers, except mechanical door	31.56	10.3	1,262	10.3	65,647	10.3
Heating, air conditioning, and refrigeration mechanics and installers	21.65	1.9	866	1.9	45,030	1.9
Industrial machinery installation, repair, and maintenance workers	19.98	8.1	796	8.2	41,356	8.2
Industrial machinery mechanics	20.90	14.2	838	14.1	43,563	14.1
Maintenance and repair workers, general ..	18.76	4.9	741	5.3	38,537	5.3
Maintenance workers, machinery	19.60	6.9	784	6.9	40,727	6.9
Millwrights	25.34	14.1	1,009	14.1	52,453	14.1
Line installers and repairers	30.76	3.0	1,230	3.0	63,972	3.0

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
Installation, maintenance, and repair occupations –Continued						
Electrical power-line installers and repairers	\$33.64	3.6%	\$1,346	3.6%	\$69,975	3.6%
Precision instrument and equipment repairers	27.95	7.0	1,118	7.0	58,144	7.0
Miscellaneous installation, maintenance, and repair workers	18.52	5.8	731	6.0	38,000	6.0
Helpers--installation, maintenance, and repair workers	14.76	7.2	590	7.2	30,691	7.2
Production occupations	16.65	3.5	665	3.6	34,470	3.6
First-line supervisors/managers of production and operating workers	25.90	3.6	1,036	3.5	53,861	3.5
Electrical, electronics, and electromechanical assemblers	15.60	3.8	624	3.8	32,454	3.8
Electrical and electronic equipment assemblers	15.17	6.3	607	6.3	31,558	6.3
Electromechanical equipment assemblers	15.87	4.7	635	4.7	33,008	4.7
Miscellaneous assemblers and fabricators	13.31	6.8	526	7.5	27,322	7.5
Team assemblers	16.61	1.0	665	1.0	34,556	1.0
Butchers and other meat, poultry, and fish processing workers	17.84	13.4	714	13.4	37,106	13.4
Miscellaneous food processing workers	16.15	5.8	645	5.9	33,542	5.9
Food batchmakers	15.34	8.5	612	8.8	31,824	8.8
Computer control programmers and operators	17.42	5.6	697	5.6	36,188	5.6
Computer-controlled machine tool operators, metal and plastic	16.63	7.2	665	7.2	34,529	7.2
Forming machine setters, operators, and tenders, metal and plastic	17.74	5.5	710	5.5	36,895	5.5
Extruding and drawing machine setters, operators, and tenders, metal and plastic	16.70	5.5	668	5.5	34,732	5.5
Machine tool cutting setters, operators, and tenders, metal and plastic	17.10	9.5	677	9.5	35,194	9.5
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	16.28	13.2	641	13.1	33,342	13.1
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	17.25	10.2	690	10.2	35,812	10.2
Machinists	20.78	5.2	831	5.2	43,217	5.2

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						
Metal furnace and kiln operators and tenders	\$17.96	3.8%	\$712	3.3%	\$36,977	3.3%
Metal-refining furnace operators and tenders	18.93	5.8	748	5.3	38,795	5.3
Molders and molding machine setters, operators, and tenders, metal and plastic	14.43	13.6	577	13.6	29,976	13.6
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.70	14.6	548	14.6	28,461	14.6
Multiple machine tool setters, operators, and tenders, metal and plastic	21.77	26.3	871	26.3	44,752	26.3
Tool and die makers	25.91	3.6	1,027	4.1	53,402	4.1
Welding, soldering, and brazing workers	18.03	6.1	721	6.1	37,498	6.1
Welders, cutters, solderers, and brazers	18.18	5.8	727	5.8	37,806	5.8
Welding, soldering, and brazing machine setters, operators, and tenders	17.32	26.0	693	26.0	36,027	26.0
Miscellaneous metalworkers and plastic workers	12.49	23.8	500	23.8	25,946	23.8
Heat treating equipment setters, operators, and tenders, metal and plastic	18.54	7.6	742	7.6	38,571	7.6
Plating and coating machine setters, operators, and tenders, metal and plastic	18.06	7.6	722	7.6	37,562	7.6
Printers	16.87	12.4	667	12.0	34,672	12.0
Printing machine operators	18.19	6.7	721	6.4	37,501	6.4
Textile machine setters, operators, and tenders	18.43	10.1	737	10.1	38,332	10.1
Woodworking machine setters, operators, and tenders	15.41	8.4	616	8.4	32,057	8.4
Woodworking machine setters, operators, and tenders, except sawing	14.02	.9	561	.9	29,157	.9
Power plant operators, distributors, and dispatchers	35.27	4.7	1,411	4.7	73,361	4.7
Stationary engineers and boiler operators	30.23	3.0	1,207	3.0	62,755	3.0
Chemical processing machine setters, operators, and tenders	21.32	10.9	853	10.9	44,224	10.9
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	21.85	13.1	874	13.1	45,456	13.1
Crushing, grinding, polishing, mixing, and blending workers	20.32	4.3	813	4.3	42,272	4.3
Mixing and blending machine setters, operators, and tenders	20.76	3.6	830	3.6	43,185	3.6

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
Production occupations –Continued						
Cutting workers	\$14.54	5.1%	\$582	5.1%	\$27,441	5.1%
Cutting and slicing machine setters, operators, and tenders	14.44	6.1	578	6.1	26,754	6.1
Inspectors, testers, sorters, samplers, and weighers	17.98	4.2	719	4.2	37,406	4.2
Packaging and filling machine operators and tenders	16.43	4.1	656	4.1	34,129	4.1
Painting workers	14.88	5.6	595	5.6	30,945	5.6
Coating, painting, and spraying machine setters, operators, and tenders	15.12	10.1	605	10.1	31,442	10.1
Miscellaneous production workers	13.68	8.9	548	8.9	28,371	8.9
Paper goods machine setters, operators, and tenders	13.46	13.8	551	14.9	28,675	14.9
Helpers--production workers	12.39	4.3	495	4.0	25,425	4.0
Transportation and material moving occupations						
First-line supervisors/managers of helpers, laborers, and material movers, hand	20.44	2.8	818	2.8	42,525	2.8
Aircraft pilots and flight engineers	125.78	13.9	2,625	4.8	136,477	4.8
Airline pilots, copilots, and flight engineers	125.78	13.9	2,625	4.8	136,477	4.8
Driver/sales workers and truck drivers	20.37	5.6	842	6.7	43,791	6.7
Driver/sales workers	20.22	8.0	836	11.2	43,482	11.2
Truck drivers, heavy and tractor-trailer	20.17	7.2	855	6.9	44,472	6.9
Truck drivers, light or delivery services	20.78	7.7	822	9.5	42,735	9.5
Taxi drivers and chauffeurs	16.01	12.4	605	8.9	30,730	8.9
Crane and tower operators	21.47	2.1	859	2.1	44,655	2.1
Industrial truck and tractor operators	16.72	5.2	668	5.3	33,906	5.3
Laborers and material movers, hand	13.24	1.7	527	1.8	27,422	1.8
Cleaners of vehicles and equipment	12.68	7.7	507	7.7	26,376	7.7
Laborers and freight, stock, and material movers, hand	13.20	1.8	527	1.8	27,388	1.8
Machine feeders and offbearers	17.61	9.6	676	7.9	35,084	7.9
Packers and packagers, hand	12.32	7.3	491	7.5	25,542	7.5

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.