

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	\$21.95	0.9%	\$872	0.9%	\$45,091	0.9%
Management occupations	45.86	3.7	1,853	3.9	96,367	3.9
General and operations managers	58.60	23.0	2,372	22.1	123,353	22.1
Marketing and sales managers	45.45	6.6	1,843	7.0	95,847	7.0
Marketing managers	45.29	8.2	1,806	8.7	93,907	8.7
Sales managers	45.64	9.7	1,887	10.0	98,119	10.0
Public relations managers	37.18	12.5	1,480	12.6	76,935	12.6
Administrative services managers	37.71	11.5	1,549	12.7	80,568	12.7
Computer and information systems managers	49.35	6.1	1,975	5.8	102,720	5.8
Financial managers	39.75	3.4	1,600	3.4	83,204	3.4
Human resources managers	40.46	9.5	1,642	8.4	85,366	8.4
Training and development managers	35.39	25.8	1,528	20.3	79,469	20.3
Industrial production managers	44.82	5.1	1,840	4.6	95,674	4.6
Purchasing managers	58.24	10.5	2,328	10.6	121,032	10.6
Transportation, storage, and distribution managers	40.77	7.5	1,704	5.8	88,605	5.8
Construction managers	31.05	10.8	1,259	10.9	65,478	10.9
Education administrators	33.35	7.8	1,392	10.7	72,158	10.7
Education administrators, postsecondary ..	32.46	13.2	1,348	17.9	70,100	17.9
Engineering managers	53.22	7.2	2,131	7.2	110,815	7.2
Medical and health services managers	38.49	4.7	1,546	4.6	80,388	4.6
Social and community service managers	26.98	4.2	1,075	4.0	55,885	4.0
Business and financial operations occupations	30.60	1.9	1,220	2.0	63,442	2.0
Buyers and purchasing agents	30.22	5.0	1,228	4.9	63,878	4.9
Wholesale and retail buyers, except farm products	34.80	12.1	1,392	12.1	72,388	12.1
Purchasing agents, except wholesale, retail, and farm products	28.64	4.4	1,173	4.2	60,977	4.2
Claims adjusters, appraisers, examiners, and investigators	23.56	7.8	927	7.6	48,203	7.6
Claims adjusters, examiners, and investigators	23.56	7.8	927	7.6	48,203	7.6
Cost estimators	42.31	13.0	1,784	14.8	92,793	14.8
Human resources, training, and labor relations specialists	30.70	7.4	1,220	7.5	63,436	7.5
Employment, recruitment, and placement specialists	29.45	8.6	1,178	8.6	61,258	8.6
Compensation, benefits, and job analysis specialists	30.56	8.0	1,197	7.7	62,268	7.7
Training and development specialists	26.00	7.5	1,034	7.2	53,780	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
Business and financial operations occupations –Continued						
Logisticians	\$28.49	7.1%	\$1,140	7.1%	\$59,263	7.1%
Management analysts	37.64	8.5	1,505	8.5	78,281	8.5
Accountants and auditors	28.39	2.1	1,133	2.1	58,900	2.1
Credit analysts	22.60	14.7	904	14.7	47,009	14.7
Financial analysts and advisors	31.46	6.5	1,253	6.8	65,177	6.8
Financial analysts	34.00	8.0	1,363	8.1	70,868	8.1
Insurance underwriters	27.03	8.2	1,064	9.5	55,336	9.5
Loan counselors and officers	27.70	8.4	1,108	8.4	57,620	8.4
Loan officers	27.70	8.4	1,108	8.4	57,620	8.4
Computer and mathematical science occupations						
.....	33.60	2.3	1,349	2.3	70,130	2.3
Computer programmers	31.23	2.6	1,255	2.7	65,250	2.7
Computer software engineers	38.26	4.7	1,553	4.4	80,745	4.4
Computer software engineers, applications	35.71	5.8	1,486	6.4	77,288	6.4
Computer software engineers, systems						
software	39.81	6.1	1,592	5.6	82,760	5.6
Computer support specialists	22.87	5.3	912	5.3	47,419	5.3
Computer systems analysts	36.57	2.5	1,459	2.5	75,869	2.5
Database administrators	30.08	7.4	1,181	8.5	61,432	8.5
Network and computer systems						
administrators	34.14	3.2	1,388	3.7	72,154	3.7
Network systems and data communications						
analysts	29.42	6.6	1,167	7.4	60,706	7.4
Operations research analysts	30.56	6.7	1,188	6.8	61,755	6.8
Architecture and engineering occupations						
.....	33.78	1.9	1,371	1.7	71,288	1.7
Engineers	36.82	2.1	1,502	2.0	78,082	2.0
Electrical and electronics engineers	39.21	9.0	1,628	6.6	84,673	6.6
Electrical engineers	34.97	14.0	1,494	10.5	77,704	10.5
Electronics engineers, except computer	44.99	4.5	1,800	4.5	93,578	4.5
Industrial engineers, including health and						
safety	33.20	5.2	1,362	3.9	70,838	3.9
Industrial engineers	33.22	5.3	1,364	3.8	70,908	3.8
Materials engineers	33.76	8.4	1,350	8.4	70,216	8.4
Mechanical engineers	33.89	2.2	1,402	3.3	72,926	3.3
Drafters	24.97	9.3	999	9.3	51,933	9.3
Electrical and electronics drafters	22.95	6.6	918	6.6	47,742	6.6
Mechanical drafters	26.72	10.7	1,069	10.7	55,583	10.7
Engineering technicians, except drafters	26.26	4.1	1,053	4.1	54,709	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
Architecture and engineering occupations						
–Continued						
Electrical and electronic engineering technicians	\$23.10	5.4%	\$924	5.4%	\$47,968	5.4%
Electro-mechanical technicians	26.58	10.5	1,063	10.5	55,281	10.5
Industrial engineering technicians	24.97	5.3	1,015	7.1	52,778	7.1
Mechanical engineering technicians	22.62	9.8	905	9.8	47,060	9.8
Life, physical, and social science occupations	31.06	8.0	1,228	7.9	63,225	7.9
Life scientists	33.01	14.6	1,293	15.5	67,234	15.5
Medical scientists	34.31	22.6	1,321	24.0	68,695	24.0
Physical scientists	41.17	5.5	1,658	5.1	82,947	5.1
Chemists and materials scientists	42.11	8.2	1,699	7.8	88,370	7.8
Chemists	41.84	8.4	1,691	7.9	87,934	7.9
Market and survey researchers	26.22	9.6	1,058	9.8	54,991	9.8
Market research analysts	26.22	9.6	1,058	9.8	54,991	9.8
Biological technicians	18.78	6.5	738	6.1	38,388	6.1
Chemical technicians	22.01	14.7	880	14.7	45,785	14.7
Miscellaneous life, physical, and social science technicians	21.06	7.8	842	7.8	43,810	7.8
Community and social services occupations	17.31	7.6	686	7.5	35,640	7.5
Counselors	18.84	7.6	744	7.2	38,512	7.2
Educational, vocational, and school counselors	17.59	11.6	689	10.7	35,463	10.7
Social workers	18.17	4.1	720	4.7	37,433	4.7
Child, family, and school social workers ..	16.26	4.8	638	5.6	33,156	5.6
Medical and public health social workers	22.09	5.4	879	5.8	45,703	5.8
Mental health and substance abuse social workers	18.45	11.2	737	11.2	38,336	11.2
Miscellaneous community and social service specialists	14.76	13.5	588	13.2	30,588	13.2
Social and human service assistants	12.43	7.5	495	7.4	25,716	7.4
Legal occupations	66.65	6.2	2,717	6.1	141,294	6.1
Lawyers	72.63	5.2	3,042	4.3	158,206	4.3
Education, training, and library occupations	36.96	11.7	1,453	12.3	64,038	12.3
Postsecondary teachers	50.38	9.1	2,075	9.8	86,803	9.8
Math and computer teachers, postsecondary	45.35	12.7	1,785	14.1	75,627	14.1
Social sciences teachers, postsecondary	37.81	7.4	1,512	7.3	59,849	7.3
Health teachers, postsecondary	69.04	5.8	3,430	7.6	162,434	7.6

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
Education, training, and library occupations						
–Continued						
Education and library science teachers, postsecondary	\$38.23	4.8%	\$1,479	3.7%	\$54,472	3.7%
Education teachers, postsecondary	38.23	4.8	1,479	3.7	54,472	3.7
Arts, communications, and humanities teachers, postsecondary	36.70	4.0	1,476	3.6	59,158	3.6
Art, drama, and music teachers, postsecondary	37.23	4.3	1,470	4.4	60,415	4.4
English language and literature teachers, postsecondary	33.94	3.5	1,417	4.5	54,042	4.5
Philosophy and religion teachers, postsecondary	35.51	13.7	1,425	13.6	58,334	13.6
Miscellaneous postsecondary teachers	46.86	27.9	1,855	28.4	82,662	28.4
Primary, secondary, and special education school teachers	28.14	4.9	1,067	4.9	40,206	4.9
Elementary and middle school teachers	29.50	7.8	1,131	9.3	42,105	9.3
Elementary school teachers, except special education	29.42	7.4	1,120	10.1	41,699	10.1
Middle school teachers, except special and vocational education	29.75	12.9	1,166	12.2	43,339	12.2
Secondary school teachers	30.82	4.4	1,156	4.5	43,365	4.5
Secondary school teachers, except special and vocational education	30.82	4.4	1,156	4.5	43,365	4.5
Other teachers and instructors	33.87	8.9	1,263	6.2	63,077	6.2
Librarians	46.34	10.9	1,691	9.9	87,916	9.9
Teacher assistants	10.49	6.0	413	7.0	19,776	7.0
Arts, design, entertainment, sports, and media occupations	26.76	4.1	1,055	4.3	53,910	4.3
Designers	28.48	8.7	1,142	8.4	59,360	8.4
Commercial and industrial designers	38.77	5.1	1,551	5.1	80,647	5.1
Graphic designers	21.10	8.8	848	8.3	44,083	8.3
Athletes, coaches, umpires, and related workers	22.53	15.9	868	18.8	37,670	18.8
Coaches and scouts	22.53	15.9	868	18.8	37,670	18.8
News analysts, reporters and correspondents	28.63	16.4	1,166	16.6	60,641	16.6
Reporters and correspondents	25.66	9.4	1,047	9.9	54,423	9.9
Public relations specialists	25.90	10.4	1,019	10.0	52,980	10.0
Writers and editors	26.36	9.1	1,038	8.2	53,988	8.2
Editors	26.67	11.4	1,040	9.7	54,074	9.7

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	\$26.93	2.3%	\$1,058	2.5%	\$55,005	2.5%
Pharmacists	48.32	1.2	1,933	1.2	100,513	1.2
Physicians and surgeons	68.62	12.5	2,778	12.3	144,434	12.3
Family and general practitioners	60.61	39.0	2,429	38.9	126,302	38.9
Registered nurses	28.78	1.2	1,116	1.3	58,037	1.3
Therapists	28.94	6.8	1,139	7.2	59,241	7.2
Occupational therapists	27.81	3.0	1,076	4.6	55,926	4.6
Physical therapists	34.74	5.6	1,380	5.7	71,754	5.7
Recreational therapists	18.84	10.8	753	10.8	39,177	10.8
Respiratory therapists	22.48	2.5	874	3.6	45,425	3.6
Clinical laboratory technologists and technicians	19.08	4.2	761	4.2	39,574	4.2
Medical and clinical laboratory technologists	25.32	2.9	1,004	3.4	52,198	3.4
Medical and clinical laboratory technicians	16.43	6.4	657	6.4	34,177	6.4
Diagnostic related technologists and technicians	29.49	5.1	1,171	5.3	60,891	5.3
Cardiovascular technologists and technicians	39.40	16.4	1,573	16.5	81,796	16.5
Diagnostic medical sonographers	31.60	11.8	1,264	11.8	65,722	11.8
Radiologic technologists and technicians ..	25.97	5.8	1,028	6.1	53,465	6.1
Health diagnosing and treating practitioner support technicians	16.39	4.1	655	4.1	34,078	4.1
Pharmacy technicians	14.00	2.5	560	2.5	29,118	2.5
Respiratory therapy technicians	24.04	10.2	955	10.3	49,675	10.3
Surgical technologists	17.68	4.0	707	4.0	36,763	4.0
Licensed practical and licensed vocational nurses	19.06	1.7	735	1.5	38,220	1.5
Medical records and health information technicians	16.02	5.1	639	5.1	33,236	5.1
Miscellaneous health technologists and technicians	18.27	9.8	727	10.0	37,796	10.0
Healthcare support occupations	11.70	1.5	458	1.4	23,817	1.4
Nursing, psychiatric, and home health aides	11.25	1.4	438	1.2	22,778	1.2
Home health aides	10.36	2.1	413	2.0	21,489	2.0
Nursing aides, orderlies, and attendants	11.50	1.9	445	1.7	23,131	1.7
Psychiatric aides	10.71	1.1	422	1.6	21,942	1.6
Physical therapist assistants and aides	13.08	10.5	523	10.5	27,184	10.5
Physical therapist aides	11.92	7.9	476	7.9	24,769	7.9

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
Healthcare support occupations –Continued						
Miscellaneous healthcare support occupations	\$13.25	4.3%	\$527	4.3%	\$27,414	4.3%
Medical assistants	14.34	7.5	569	7.6	29,585	7.6
Medical equipment preparers	13.26	4.6	530	4.6	27,578	4.6
Medical transcriptionists	16.35	2.9	649	3.2	33,749	3.2
Protective service occupations	11.56	4.3	459	4.9	23,849	4.9
Security guards and gaming surveillance officers	11.24	4.2	444	4.4	23,092	4.4
Security guards	11.23	4.3	444	4.4	23,085	4.4
Food preparation and serving related occupations						
First-line supervisors/managers, food preparation and serving workers	16.97	4.2	683	4.3	34,704	4.3
First-line supervisors/managers of food preparation and serving workers	16.78	5.1	676	5.2	34,519	5.2
Cooks	11.52	3.6	447	3.4	23,247	3.4
Cooks, institution and cafeteria	12.34	6.1	488	6.4	25,387	6.4
Cooks, restaurant	11.19	4.1	432	4.3	22,453	4.3
Food preparation workers	10.58	5.2	421	5.2	21,906	5.2
Food service, tipped	6.56	11.8	239	12.1	12,429	12.1
Bartenders	7.24	6.9	268	6.7	13,951	6.7
Waiters and waitresses	4.44	20.2	155	22.1	8,078	22.1
Dining room and cafeteria attendants and bartender helpers	8.85	6.9	336	5.3	17,491	5.3
Fast food and counter workers	9.79	2.6	375	2.6	19,495	2.6
Combined food preparation and serving workers, including fast food	9.54	3.3	362	2.8	18,816	2.8
Counter attendants, cafeteria, food concession, and coffee shop	10.44	3.8	409	4.8	21,247	4.8
Food servers, nonrestaurant	10.36	3.9	398	6.5	20,690	6.5
Dishwashers	10.00	4.4	394	5.6	20,502	5.6
Building and grounds cleaning and maintenance occupations						
First-line supervisors/managers, building and grounds cleaning and maintenance workers	17.10	7.0	684	7.0	35,569	7.0
First-line supervisors/managers of housekeeping and janitorial workers ...	17.10	7.0	684	7.0	35,569	7.0
Building cleaning workers	11.83	5.2	469	5.4	24,361	5.4

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
Building and grounds cleaning and maintenance occupations –Continued						
Janitors and cleaners, except maids and housekeeping cleaners	\$12.02	3.7%	\$476	4.0%	\$24,750	4.0%
Maids and housekeeping cleaners	10.61	2.2	421	2.3	21,832	2.3
Grounds maintenance workers	12.36	5.4	494	5.4	22,950	5.4
Landscaping and groundskeeping workers	12.36	5.4	494	5.4	22,950	5.4
Personal care and service occupations	13.31	5.2	457	2.5	22,042	2.5
Gaming services workers	7.61	12.2	305	12.2	15,835	12.2
Transportation attendants	31.32	4.8	594	.8	30,903	.8
Flight attendants	33.41	1.2	592	1.1	30,761	1.1
Child care workers	10.41	2.4	417	2.4	21,660	2.4
Recreation and fitness workers	13.36	15.4	522	16.9	18,859	16.9
Recreation workers	13.36	15.4	522	16.9	18,859	16.9
Sales and related occupations	21.57	11.8	862	12.2	44,809	12.2
First-line supervisors/managers, sales workers	24.32	17.4	981	18.7	50,992	18.7
First-line supervisors/managers of retail sales workers	17.87	8.9	711	9.2	36,981	9.2
First-line supervisors/managers of non-retail sales workers	35.68	5.6	1,472	6.5	76,565	6.5
Retail sales workers	12.14	3.2	480	3.3	24,971	3.3
Counter and rental clerks and parts salespersons	15.97	8.8	673	8.6	34,975	8.6
Parts salespersons	13.86	5.8	600	9.3	31,220	9.3
Retail salespersons	12.30	5.2	484	5.3	25,142	5.3
Advertising sales agents	23.06	7.2	923	7.2	47,972	7.2
Securities, commodities, and financial services sales agents	81.57	6.1	3,263	6.1	169,656	6.1
Sales representatives, wholesale and manufacturing	34.90	9.5	1,438	9.8	74,783	9.8
Sales representatives, wholesale and manufacturing, technical and scientific products	39.40	4.1	1,614	3.5	83,911	3.5
Sales representatives, wholesale and manufacturing, except technical and scientific products	33.23	13.6	1,372	13.7	71,359	13.7
Miscellaneous sales and related workers	18.89	12.6	753	12.7	39,133	12.7
Office and administrative support occupations	15.82	2.1	626	2.0	32,534	2.0

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
Office and administrative support occupations –Continued						
First-line supervisors/managers of office and administrative support workers	\$22.85	3.1%	\$905	2.9%	\$47,066	2.9%
Switchboard operators, including answering service	12.48	10.8	499	10.8	25,958	10.8
Financial clerks	15.35	4.0	608	3.7	31,592	3.7
Bill and account collectors	15.90	5.7	632	5.5	32,857	5.5
Billing and posting clerks and machine operators	15.49	5.2	609	4.5	31,646	4.5
Bookkeeping, accounting, and auditing clerks	15.53	4.9	613	4.3	31,852	4.3
Payroll and timekeeping clerks	18.81	3.2	750	3.1	38,993	3.1
Procurement clerks	16.57	5.9	660	5.8	34,343	5.8
Tellers	11.55	2.9	462	2.8	23,999	2.8
Credit authorizers, checkers, and clerks	13.65	4.2	546	4.5	28,385	4.5
Customer service representatives	15.98	4.7	636	5.0	33,064	5.0
File clerks	12.54	5.1	498	5.4	25,876	5.4
Hotel, motel, and resort desk clerks	10.57	6.8	419	7.2	21,783	7.2
Interviewers, except eligibility and loan	13.06	9.1	522	9.1	27,169	9.1
Order clerks	13.38	5.6	532	5.4	27,682	5.4
Human resources assistants, except payroll and timekeeping	17.69	9.9	715	9.2	37,205	9.2
Receptionists and information clerks	12.87	2.1	506	1.9	26,297	1.9
Dispatchers	22.05	3.0	882	3.0	45,667	3.0
Dispatchers, except police, fire, and ambulance	23.36	2.4	935	2.4	48,597	2.4
Production, planning, and expediting clerks	19.55	6.7	775	7.0	40,295	7.0
Shipping, receiving, and traffic clerks	14.27	3.6	570	3.6	29,639	3.6
Stock clerks and order fillers	13.11	5.9	521	5.8	27,106	5.8
Weighers, measurers, checkers, and samplers, recordkeeping	15.67	4.9	627	4.9	32,598	4.9
Secretaries and administrative assistants	19.10	3.5	748	3.7	38,861	3.7
Executive secretaries and administrative assistants	20.53	4.8	803	5.2	41,769	5.2
Legal secretaries	27.62	5.1	1,032	3.7	53,673	3.7
Medical secretaries	14.39	4.9	569	5.0	29,590	5.0
Secretaries, except legal, medical, and executive	16.53	3.4	655	3.4	34,029	3.4
Computer operators	17.27	7.1	682	6.6	35,470	6.6
Data entry and information processing workers	14.45	6.9	576	6.8	29,948	6.8
Data entry keyers	13.64	6.7	545	6.7	28,323	6.7

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						
Word processors and typists	\$18.36	6.7%	\$724	5.7%	\$37,670	5.7%
Insurance claims and policy processing clerks	16.02	4.3	626	4.0	32,533	4.0
Mail clerks and mail machine operators, except postal service	13.24	9.7	509	9.1	26,446	9.1
Office clerks, general	13.96	3.0	553	3.0	28,718	3.0
Office machine operators, except computer ..	13.14	8.4	525	8.4	27,323	8.4
Farming, fishing, and forestry occupations ..	11.94	4.7	478	4.7	24,833	4.7
Construction and extraction occupations	26.34	2.8	1,035	2.7	51,014	2.7
First-line supervisors/managers of construction trades and extraction workers	34.89	3.5	1,401	3.4	72,871	3.4
Carpenters	27.20	4.3	979	7.1	50,932	7.1
Construction laborers	20.85	15.3	834	15.3	39,555	15.3
Construction equipment operators	30.06	6.0	1,202	6.0	59,097	6.0
Operating engineers and other construction equipment operators	30.06	6.0	1,202	6.0	59,097	6.0
Electricians	26.24	4.4	1,050	4.4	54,588	4.4
Painters and paperhangers	22.34	8.1	890	8.0	46,291	8.0
Painters, construction and maintenance	22.34	8.1	890	8.0	46,291	8.0
Pipelayers, plumbers, pipefitters, and steamfitters	24.13	4.7	965	4.7	50,200	4.7
Plumbers, pipefitters, and steamfitters	24.45	5.9	978	5.9	50,864	5.9
Sheet metal workers	22.32	7.0	893	7.0	37,587	7.0
Installation, maintenance, and repair occupations	23.38	3.2	937	3.1	48,689	3.1
First-line supervisors/managers of mechanics, installers, and repairers	32.91	4.8	1,325	4.6	68,889	4.6
Radio and telecommunications equipment installers and repairers	25.95	10.7	1,038	10.7	53,978	10.7
Telecommunications equipment installers and repairers, except line installers	25.95	10.7	1,038	10.7	53,978	10.7
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	20.67	13.8	827	13.8	42,993	13.8
Electrical and electronics repairers, commercial and industrial equipment	24.05	5.2	962	5.2	50,029	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
Installation, maintenance, and repair occupations –Continued						
Electrical and electronics repairers, powerhouse, substation, and relay	\$23.91	11.4%	\$956	11.4%	\$49,726	11.4%
Aircraft mechanics and service technicians ..	26.81	12.1	1,072	12.1	55,755	12.1
Automotive technicians and repairers	23.82	14.7	990	13.7	51,499	13.7
Automotive service technicians and mechanics	24.94	15.2	1,017	14.8	52,908	14.8
Bus and truck mechanics and diesel engine specialists	24.17	7.2	967	7.2	50,261	7.2
Heavy vehicle and mobile equipment service technicians and mechanics	23.86	10.5	954	10.5	49,634	10.5
Mobile heavy equipment mechanics, except engines	24.05	11.9	962	11.9	50,015	11.9
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	12.00	13.5	480	13.5	24,954	13.5
Heating, air conditioning, and refrigeration mechanics and installers	25.18	3.6	1,007	3.6	52,383	3.6
Industrial machinery installation, repair, and maintenance workers	22.67	2.9	905	2.8	47,044	2.8
Industrial machinery mechanics	24.51	2.6	980	2.6	50,922	2.6
Maintenance and repair workers, general ..	19.34	9.5	774	9.5	40,234	9.5
Maintenance workers, machinery	18.01	8.0	708	7.8	36,819	7.8
Millwrights	24.56	12.3	982	12.3	50,957	12.3
Line installers and repairers	29.75	4.1	1,190	4.1	61,874	4.1
Electrical power-line installers and repairers	31.05	3.7	1,242	3.7	64,584	3.7
Precision instrument and equipment repairers	23.50	4.7	920	4.0	47,841	4.0
Miscellaneous installation, maintenance, and repair workers	18.31	9.3	732	9.3	38,075	9.3
Helpers--installation, maintenance, and repair workers	12.58	15.5	503	15.5	26,164	15.5
Production occupations	17.87	1.4	714	1.4	37,091	1.4
First-line supervisors/managers of production and operating workers	26.13	3.4	1,088	3.0	56,583	3.0
Electrical, electronics, and electromechanical assemblers	13.43	6.4	537	6.4	27,939	6.4
Electrical and electronic equipment assemblers	13.58	6.0	543	6.0	28,234	6.0
Electromechanical equipment assemblers	13.68	11.8	547	11.8	28,445	11.8
Engine and other machine assemblers	20.11	6.2	801	6.2	41,639	6.2

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						
Structural metal fabricators and fitters	\$19.06	20.9%	\$747	19.7%	\$37,786	19.7%
Miscellaneous assemblers and fabricators	19.71	4.3	786	4.3	40,837	4.3
Team assemblers	20.23	13.9	804	14.1	41,657	14.1
Bakers	13.43	2.8	528	3.1	27,478	3.1
Butchers and other meat, poultry, and fish processing workers	13.28	6.8	531	6.8	27,614	6.8
Butchers and meat cutters	17.74	3.1	710	3.1	36,900	3.1
Meat, poultry, and fish cutters and trimmers	11.30	.8	452	.8	23,502	.8
Slaughterers and meat packers	11.29	5.4	452	5.4	23,492	5.4
Miscellaneous food processing workers	14.58	11.6	582	11.5	30,287	11.5
Food batchmakers	17.06	10.5	681	10.5	35,395	10.5
Computer control programmers and operators	18.65	8.4	746	8.4	38,794	8.4
Computer-controlled machine tool operators, metal and plastic	17.41	6.1	696	6.1	36,203	6.1
Numerical tool and process control programmers	26.02	13.9	1,041	13.9	54,126	13.9
Forming machine setters, operators, and tenders, metal and plastic	15.24	4.9	604	4.3	31,284	4.3
Extruding and drawing machine setters, operators, and tenders, metal and plastic	12.91	5.8	516	5.8	26,853	5.8
Forging machine setters, operators, and tenders, metal and plastic	14.07	11.3	563	11.3	28,840	11.3
Rolling machine setters, operators, and tenders, metal and plastic	17.51	7.8	686	6.7	35,675	6.7
Machine tool cutting setters, operators, and tenders, metal and plastic	16.52	4.7	660	4.7	34,304	4.7
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	16.39	5.6	655	5.6	34,013	5.6
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	17.93	15.9	717	15.9	37,297	15.9
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	14.43	8.3	577	8.3	29,988	8.3
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	19.54	5.8	782	5.8	40,652	5.8

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
Production occupations –Continued						
Milling and planing machine setters, operators, and tenders, metal and plastic	\$19.76	10.3%	\$790	10.3%	\$40,967	10.3%
Machinists	20.24	4.7	805	4.6	41,846	4.6
Metal furnace and kiln operators and tenders	18.76	6.8	750	6.8	38,477	6.8
Metal-refining furnace operators and tenders	19.76	5.1	790	5.1	41,094	5.1
Model makers and patternmakers, metal and plastic	23.20	11.7	928	11.7	48,259	11.7
Model makers, metal and plastic	24.21	12.4	969	12.4	50,362	12.4
Molders and molding machine setters, operators, and tenders, metal and plastic	13.91	5.9	555	5.7	28,883	5.7
Foundry mold and coremakers	14.89	4.2	595	4.2	30,964	4.2
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.82	6.1	552	6.0	28,691	6.0
Multiple machine tool setters, operators, and tenders, metal and plastic	18.81	4.3	753	4.3	39,108	4.3
Tool and die makers	26.80	2.6	1,072	2.6	55,733	2.6
Welding, soldering, and brazing workers	17.72	5.3	705	5.3	36,582	5.3
Welders, cutters, solderers, and brazers	17.77	5.9	708	6.0	36,711	6.0
Welding, soldering, and brazing machine setters, operators, and tenders	17.56	12.7	698	12.9	36,213	12.9
Miscellaneous metalworkers and plastic workers	17.43	7.1	693	7.1	35,940	7.1
Heat treating equipment setters, operators, and tenders, metal and plastic	20.63	9.3	825	9.3	42,171	9.3
Plating and coating machine setters, operators, and tenders, metal and plastic	13.32	7.3	520	5.7	27,058	5.7
Tool grinders, filers, and sharpeners	21.24	12.1	849	12.1	44,174	12.1
Printers	18.95	4.6	740	4.2	38,502	4.2
Prepress technicians and workers	16.10	7.0	624	5.6	32,436	5.6
Printing machine operators	19.90	5.8	781	5.6	40,586	5.6
Laundry and dry-cleaning workers	10.08	2.9	400	2.9	20,812	2.9
Sewing machine operators	14.58	16.0	582	16.0	30,038	16.0
Woodworking machine setters, operators, and tenders	13.49	2.9	540	2.9	28,027	2.9
Sawing machine setters, operators, and tenders, wood	12.47	6.4	499	6.4	25,803	6.4
Woodworking machine setters, operators, and tenders, except sawing	13.76	2.9	551	2.9	28,629	2.9

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
Production occupations –Continued						
Power plant operators, distributors, and dispatchers	\$31.82	7.8%	\$1,273	7.8%	\$66,192	7.8%
Power plant operators	27.63	6.5	1,105	6.5	57,475	6.5
Stationary engineers and boiler operators	25.94	9.9	1,038	9.9	53,955	9.9
Miscellaneous plant and system operators	25.33	3.7	991	1.6	51,556	1.6
Chemical plant and system operators	25.27	3.8	988	1.6	51,369	1.6
Chemical processing machine setters, operators, and tenders	21.19	9.2	848	9.2	44,084	9.2
Crushing, grinding, polishing, mixing, and blending workers	16.24	6.2	650	6.2	33,768	6.2
Grinding and polishing workers, hand	13.39	4.8	536	4.8	27,847	4.8
Mixing and blending machine setters, operators, and tenders	18.64	10.1	745	10.1	38,765	10.1
Cutting workers	13.28	9.7	531	9.7	27,615	9.7
Cutters and trimmers, hand	10.07	8.4	403	8.4	20,952	8.4
Cutting and slicing machine setters, operators, and tenders	15.51	8.5	621	8.5	32,269	8.5
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	16.25	6.7	650	6.7	33,790	6.7
Furnace, kiln, oven, drier, and kettle operators and tenders	16.48	23.0	659	23.0	34,280	23.0
Inspectors, testers, sorters, samplers, and weighers	17.37	5.9	693	5.8	36,007	5.8
Packaging and filling machine operators and tenders	15.18	3.6	606	3.6	31,535	3.6
Painting workers	14.43	4.7	574	4.8	29,839	4.8
Coating, painting, and spraying machine setters, operators, and tenders	13.44	3.0	534	3.3	27,772	3.3
Painters, transportation equipment	22.24	17.8	890	17.8	46,255	17.8
Miscellaneous production workers	15.92	9.7	635	9.7	33,027	9.7
Paper goods machine setters, operators, and tenders	16.52	27.4	661	27.4	34,359	27.4
Helpers--production workers	14.01	4.4	556	4.7	28,900	4.7
Transportation and material moving occupations	17.50	2.3	695	2.4	35,943	2.4
First-line supervisors/managers of helpers, laborers, and material movers, hand	23.05	4.1	932	4.1	48,444	4.1
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	25.60	5.4	1,099	7.5	57,128	7.5

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						
Aircraft pilots and flight engineers	\$105.02	12.1%	\$2,271	9.5%	\$118,112	9.5%
Airline pilots, copilots, and flight engineers	127.39	11.0	2,354	10.8	122,389	10.8
Driver/sales workers and truck drivers	20.69	3.2	849	4.1	44,164	4.1
Driver/sales workers	15.14	9.9	606	9.9	31,500	9.9
Truck drivers, heavy and tractor-trailer	21.22	7.6	889	9.3	46,215	9.3
Truck drivers, light or delivery services	21.06	5.1	842	5.1	43,803	5.1
Crane and tower operators	17.06	7.4	682	7.4	35,487	7.4
Industrial truck and tractor operators	16.40	6.3	652	6.3	33,658	6.3
Laborers and material movers, hand	13.22	4.8	525	4.7	27,083	4.7
Cleaners of vehicles and equipment	17.75	17.2	710	17.2	36,849	17.2
Laborers and freight, stock, and material movers, hand	14.46	3.7	574	3.7	29,432	3.7
Machine feeders and offbearers	11.90	8.7	475	8.6	24,487	8.6
Packers and packagers, hand	11.40	7.4	452	7.4	23,519	7.4

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.