

RSE Table 16

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

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
All workers	\$22.79	1.2%	\$902	1.2%	\$46,549	1.2%
Management occupations	49.38	3.4	1,994	3.3	103,683	3.3
General and operations managers	41.25	10.3	1,693	9.9	88,039	9.9
Advertising and promotions managers	45.98	10.5	1,839	10.5	95,639	10.5
Marketing and sales managers	51.23	4.5	2,064	5.1	107,322	5.1
Marketing managers	49.81	5.2	2,004	5.9	104,233	5.9
Sales managers	53.55	7.9	2,161	8.2	112,393	8.2
Public relations managers	42.31	10.0	1,629	10.8	84,717	10.8
Administrative services managers	37.92	6.8	1,561	7.2	81,185	7.2
Computer and information systems managers	56.64	5.7	2,277	5.3	118,394	5.3
Financial managers	54.09	4.7	2,165	4.6	112,598	4.6
Human resources managers	48.36	12.1	1,993	12.4	103,623	12.4
Industrial production managers	45.54	4.4	1,914	3.7	99,527	3.7
Purchasing managers	64.04	12.3	2,643	11.8	137,429	11.8
Transportation, storage, and distribution managers	50.77	9.9	2,031	9.9	105,593	9.9
Construction managers	36.38	12.9	1,503	14.2	78,179	14.2
Education administrators	29.04	6.4	1,165	6.7	60,400	6.7
Education administrators, postsecondary ..	27.74	7.0	1,085	6.9	56,411	6.9
Engineering managers	58.49	6.7	2,340	6.7	121,660	6.7
Medical and health services managers	38.05	4.2	1,537	5.0	79,913	5.0
Social and community service managers	25.97	8.4	1,023	7.6	53,207	7.6
Business and financial operations occupations	32.37	2.3	1,297	2.2	67,451	2.2
Buyers and purchasing agents	32.82	4.7	1,329	4.5	69,106	4.5
Wholesale and retail buyers, except farm products	39.51	5.2	1,575	5.2	81,890	5.2
Purchasing agents, except wholesale, retail, and farm products	29.78	5.6	1,215	5.5	63,164	5.5
Claims adjusters, appraisers, examiners, and investigators	27.29	9.8	1,058	10.2	55,040	10.2
Claims adjusters, examiners, and investigators	27.29	9.8	1,058	10.2	55,040	10.2
Compliance officers, except agriculture, construction, health and safety, and transportation	27.59	6.3	1,104	6.3	57,387	6.3
Cost estimators	38.57	11.8	1,599	12.8	83,158	12.8
Human resources, training, and labor relations specialists	34.11	5.9	1,357	6.0	70,568	6.0
Employment, recruitment, and placement specialists	29.43	8.9	1,177	8.9	61,207	8.9

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Business and financial operations occupations –Continued						
Compensation, benefits, and job analysis specialists	\$30.18	12.3%	\$1,186	11.8%	\$61,672	11.8%
Training and development specialists	33.29	5.2	1,324	5.4	68,873	5.4
Logisticians	27.52	6.3	1,110	6.4	57,695	6.4
Management analysts	43.16	8.5	1,753	7.2	91,131	7.2
Accountants and auditors	28.01	2.6	1,134	2.7	58,968	2.7
Credit analysts	30.16	11.3	1,206	11.3	62,734	11.3
Financial analysts and advisors	35.50	3.5	1,427	3.6	74,181	3.6
Financial analysts	37.49	4.9	1,516	5.1	78,823	5.1
Insurance underwriters	31.95	7.6	1,273	7.4	66,183	7.4
Loan counselors and officers	27.20	5.8	1,088	5.8	56,576	5.8
Loan officers	27.46	6.1	1,098	6.1	57,116	6.1
Computer and mathematical science occupations						
Computer programmers	32.82	2.4	1,320	2.3	68,641	2.3
Computer software engineers	39.40	3.1	1,618	3.2	84,117	3.2
Computer software engineers, applications software	37.23	3.1	1,544	3.3	80,263	3.3
Computer software engineers, systems software	42.03	5.9	1,705	5.2	88,666	5.2
Computer support specialists	21.92	5.2	876	5.2	45,543	5.2
Computer systems analysts	37.62	2.2	1,505	2.2	78,240	2.2
Database administrators	32.11	7.0	1,284	7.0	66,780	7.0
Network and computer systems administrators	30.70	7.2	1,218	7.1	63,361	7.1
Network systems and data communications analysts	32.15	6.4	1,297	6.4	67,455	6.4
Architecture and engineering occupations						
Engineers	39.02	1.5	1,586	1.2	82,478	1.2
Civil engineers	42.22	4.6	1,757	4.3	91,356	4.3
Electrical and electronics engineers	37.78	5.8	1,572	4.2	81,751	4.2
Electrical engineers	37.15	6.0	1,559	4.2	81,053	4.2
Industrial engineers, including health and safety	36.34	3.2	1,497	2.4	77,814	2.4
Industrial engineers	36.16	3.4	1,490	2.6	77,486	2.6
Materials engineers	33.42	7.0	1,337	7.0	69,521	7.0
Mechanical engineers	38.11	2.8	1,540	3.0	80,097	3.0
Drafters	26.20	5.8	1,048	5.8	54,489	5.8
Mechanical drafters	25.43	6.9	1,017	6.9	52,893	6.9
Engineering technicians, except drafters	26.77	3.6	1,076	3.5	55,906	3.5

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Architecture and engineering occupations						
–Continued						
Electrical and electronic engineering technicians	\$27.02	10.4%	\$1,088	10.5%	\$56,472	10.5%
Industrial engineering technicians	24.97	5.9	1,021	7.4	53,010	7.4
Mechanical engineering technicians	26.87	5.7	1,075	5.7	55,895	5.7
Life, physical, and social science occupations	34.53	6.6	1,373	6.1	70,631	6.1
Life scientists	33.69	12.2	1,318	12.2	68,528	12.2
Biological scientists	34.21	20.0	1,368	20.0	71,155	20.0
Physical scientists	41.95	7.6	1,724	6.9	85,902	6.9
Chemists and materials scientists	41.76	10.3	1,734	9.4	90,163	9.4
Chemists	41.41	11.4	1,732	10.3	90,086	10.3
Market and survey researchers	35.86	7.4	1,438	7.4	74,798	7.4
Market research analysts	36.68	9.5	1,473	9.5	76,579	9.5
Chemical technicians	25.65	7.7	1,026	7.7	53,344	7.7
Miscellaneous life, physical, and social science technicians	21.58	8.0	863	8.0	44,893	8.0
Community and social services occupations	17.83	4.7	705	4.6	36,648	4.6
Counselors	17.85	7.1	709	6.7	36,884	6.7
Educational, vocational, and school counselors	17.73	5.9	709	7.4	36,858	7.4
Rehabilitation counselors	14.49	11.3	579	11.3	30,129	11.3
Social workers	18.61	8.5	739	8.4	38,357	8.4
Child, family, and school social workers ..	15.86	2.5	620	3.6	32,242	3.6
Medical and public health social workers	26.23	4.7	1,039	5.1	54,031	5.1
Mental health and substance abuse social workers	17.01	7.2	678	7.5	35,028	7.5
Miscellaneous community and social service specialists	15.27	10.8	596	11.9	30,990	11.9
Social and human service assistants	12.08	3.5	466	2.3	24,243	2.3
Legal occupations	66.67	6.4	2,683	6.7	139,492	6.7
Lawyers	75.76	6.5	3,088	7.5	160,573	7.5
Paralegals and legal assistants	34.84	11.7	1,322	9.8	68,767	9.8
Education, training, and library occupations	40.87	4.8	1,604	5.2	70,089	5.2
Postsecondary teachers	55.72	6.1	2,265	6.8	94,992	6.8
Life sciences teachers, postsecondary	81.48	11.1	3,529	12.4	146,904	12.4
Biological science teachers, postsecondary	81.48	11.1	3,529	12.4	146,904	12.4
Social sciences teachers, postsecondary	38.34	3.3	1,546	3.6	60,551	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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Education, training, and library occupations –Continued						
Health teachers, postsecondary	\$76.06	7.8%	\$3,461	8.5%	\$169,741	8.5%
Health specialties teachers, postsecondary	86.28	3.3	4,113	4.7	210,861	4.7
Education and library science teachers, postsecondary	40.70	6.4	1,584	6.9	63,731	6.9
Education teachers, postsecondary	40.70	6.4	1,584	6.9	63,731	6.9
Arts, communications, and humanities teachers, postsecondary	38.47	3.8	1,534	3.5	59,043	3.5
Art, drama, and music teachers, postsecondary	35.80	6.2	1,389	5.9	52,402	5.9
English language and literature teachers, postsecondary	38.19	5.0	1,559	4.1	58,519	4.1
Miscellaneous postsecondary teachers	35.75	6.0	1,270	5.0	51,518	5.0
Primary, secondary, and special education school teachers	27.60	8.9	1,039	8.9	39,982	8.9
Elementary and middle school teachers	28.72	6.3	1,100	6.9	42,481	6.9
Elementary school teachers, except special education	28.52	6.2	1,102	7.9	42,881	7.9
Secondary school teachers	30.51	5.6	1,136	5.3	42,502	5.3
Secondary school teachers, except special and vocational education	30.51	5.6	1,136	5.3	42,502	5.3
Library technicians	16.54	5.9	653	5.7	33,940	5.7
Teacher assistants	12.98	11.8	489	12.4	25,071	12.4
Arts, design, entertainment, sports, and media occupations	25.99	8.0	1,031	8.1	53,018	8.1
Designers	23.88	6.2	953	6.4	49,580	6.4
Graphic designers	22.94	8.2	906	8.0	47,100	8.0
News analysts, reporters and correspondents Reporters and correspondents	27.81	16.1	1,112	16.1	57,835	16.1
Public relations specialists	24.09	15.8	964	15.8	50,108	15.8
Writers and editors	24.29	6.7	953	6.4	49,544	6.4
Editors	23.50	9.3	893	8.8	46,429	8.8
Technical writers	24.84	9.8	1,005	10.5	52,279	10.5
Broadcast and sound engineering technicians and radio operators	18.73	24.6	756	25.0	39,334	25.0
Healthcare practitioner and technical occupations	27.78	1.5	1,088	1.6	56,525	1.6
Pharmacists	52.71	1.7	2,109	1.7	109,642	1.7
Physicians and surgeons	58.06	17.5	2,423	16.6	125,995	16.6

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Healthcare practitioner and technical occupations –Continued						
Registered nurses	\$30.64	1.3%	\$1,193	1.4%	\$62,025	1.4%
Therapists	28.06	3.1	1,102	3.0	57,293	3.0
Occupational therapists	30.15	1.6	1,168	1.9	60,739	1.9
Physical therapists	34.56	4.4	1,365	4.1	70,996	4.1
Respiratory therapists	24.13	1.6	940	1.9	48,890	1.9
Clinical laboratory technologists and technicians	22.83	3.7	911	3.7	47,361	3.7
Medical and clinical laboratory technologists	26.02	3.8	1,035	3.7	53,827	3.7
Medical and clinical laboratory technicians	19.70	8.1	788	8.1	40,965	8.1
Diagnostic related technologists and technicians	29.27	5.1	1,161	5.1	60,379	5.1
Cardiovascular technologists and technicians	39.10	11.3	1,564	11.3	81,326	11.3
Diagnostic medical sonographers	35.99	6.4	1,439	6.4	74,850	6.4
Radiologic technologists and technicians ..	25.69	3.3	1,015	3.3	52,796	3.3
Emergency medical technicians and paramedics	12.38	8.4	487	8.0	23,780	8.0
Health diagnosing and treating practitioner support technicians	17.01	3.5	671	3.4	34,885	3.4
Pharmacy technicians	15.17	1.9	607	1.9	31,547	1.9
Psychiatric technicians	13.31	4.1	532	4.1	27,681	4.1
Surgical technologists	19.00	3.1	741	2.4	38,509	2.4
Licensed practical and licensed vocational nurses	20.09	2.1	774	2.0	40,240	2.0
Medical records and health information technicians	17.53	7.7	698	7.8	36,308	7.8
Miscellaneous health technologists and technicians	20.49	3.0	812	3.1	42,236	3.1
Healthcare support occupations	12.34	2.3	482	2.5	25,085	2.5
Nursing, psychiatric, and home health aides	11.64	1.8	454	1.8	23,627	1.8
Home health aides	10.54	4.1	417	4.3	21,697	4.3
Nursing aides, orderlies, and attendants	12.06	1.6	468	1.6	24,345	1.6
Psychiatric aides	12.35	4.6	486	5.0	25,257	5.0
Physical therapist assistants and aides	17.26	11.8	674	13.6	35,024	13.6
Physical therapist assistants	21.72	4.8	869	4.8	45,186	4.8
Physical therapist aides	12.99	4.8	495	6.3	25,745	6.3
Miscellaneous healthcare support occupations	13.34	4.4	523	4.5	27,188	4.5

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Healthcare support occupations –Continued						
Medical assistants	\$13.25	2.0%	\$523	2.2%	\$27,202	2.2%
Medical equipment preparers	13.49	4.6	540	4.6	28,055	4.6
Medical transcriptionists	16.68	1.9	623	6.3	32,391	6.3
Protective service occupations	12.23	4.3	488	4.2	25,101	4.2
Security guards and gaming surveillance officers	11.80	3.5	470	3.4	24,451	3.4
Security guards	11.76	3.6	469	3.5	24,365	3.5
Miscellaneous protective service workers	10.56	9.7	440	8.0	17,967	8.0
Food preparation and serving related occupations	10.97	3.4	424	4.3	21,875	4.3
First-line supervisors/managers, food preparation and serving workers	18.52	4.4	758	5.0	39,141	5.0
First-line supervisors/managers of food preparation and serving workers	18.40	4.8	742	6.4	38,600	6.4
Cooks	12.17	3.8	467	4.0	24,245	4.0
Cooks, institution and cafeteria	13.35	2.0	534	2.0	27,610	2.0
Cooks, restaurant	11.85	6.4	450	6.0	23,389	6.0
Food preparation workers	11.31	4.7	452	4.7	23,520	4.7
Food service, tipped	5.42	15.7	193	17.8	10,020	17.8
Waiters and waitresses	3.84	15.2	131	16.8	6,797	16.8
Dining room and cafeteria attendants and bartender helpers	8.53	10.7	338	10.6	17,600	10.6
Fast food and counter workers	10.56	2.4	419	2.9	21,281	2.9
Combined food preparation and serving workers, including fast food	10.50	2.9	416	3.6	21,058	3.6
Counter attendants, cafeteria, food concession, and coffee shop	10.70	3.1	426	2.9	21,901	2.9
Food servers, nonrestaurant	10.62	5.4	406	5.7	21,094	5.7
Dishwashers	10.20	7.4	398	8.2	20,703	8.2
Building and grounds cleaning and maintenance occupations	11.81	1.2	468	1.3	23,641	1.3
Building cleaning workers	11.56	1.2	457	1.3	23,397	1.3
Janitors and cleaners, except maids and housekeeping cleaners	11.78	1.8	469	2.1	23,869	2.1
Maids and housekeeping cleaners	10.93	2.4	426	2.7	22,106	2.7
Grounds maintenance workers	13.07	7.3	523	7.3	22,019	7.3
Personal care and service occupations	14.80	3.3	499	4.4	24,336	4.4

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Personal care and service occupations –Continued						
First-line supervisors/managers of gaming workers	\$17.75	9.9%	\$710	9.9%	\$36,910	9.9%
First-line supervisors/managers of personal service workers	15.64	13.3	626	13.3	32,542	13.3
Gaming services workers	8.92	6.0	350	7.1	18,207	7.1
Gaming dealers	7.46	6.9	291	8.2	15,129	8.2
Transportation attendants	30.45	7.8	604	14.5	31,419	14.5
Personal and home care aides	10.28	5.5	403	5.5	20,973	5.5
Recreation and fitness workers	13.81	16.6	551	16.6	26,024	16.6
Recreation workers	13.81	16.6	551	16.6	26,024	16.6
Sales and related occupations	19.08	8.2	761	8.3	39,357	8.3
First-line supervisors/managers, sales workers	21.63	8.3	881	8.2	45,020	8.2
First-line supervisors/managers of retail sales workers	18.91	3.2	755	3.3	38,481	3.3
First-line supervisors/managers of non-retail sales workers	32.97	25.2	1,459	21.6	75,892	21.6
Retail sales workers	12.66	2.8	502	3.1	25,963	3.1
Cashiers, all workers	12.01	1.3	478	1.3	24,774	1.3
Cashiers	11.98	1.3	476	1.3	24,693	1.3
Counter and rental clerks and parts salespersons	16.41	21.0	713	22.2	37,060	22.2
Retail salespersons	12.85	3.6	506	4.0	26,174	4.0
Advertising sales agents	24.02	15.4	941	13.8	48,952	13.8
Insurance sales agents	22.93	10.2	917	10.2	47,697	10.2
Securities, commodities, and financial services sales agents	41.15	16.0	1,646	16.0	85,591	16.0
Sales representatives, wholesale and manufacturing	36.62	19.7	1,481	19.5	76,988	19.5
Sales representatives, wholesale and manufacturing, technical and scientific products	43.00	18.3	1,720	18.3	89,444	18.3
Sales representatives, wholesale and manufacturing, except technical and scientific products	28.61	13.1	1,173	13.3	60,979	13.3
Telemarketers	12.76	10.4	492	10.4	25,585	10.4
Miscellaneous sales and related workers	18.75	10.5	748	10.5	38,881	10.5
Office and administrative support occupations	16.79	1.2	664	1.1	34,547	1.1

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Office and administrative support occupations –Continued						
First-line supervisors/managers of office and administrative support workers	\$23.55	3.1%	\$940	3.1%	\$48,884	3.1%
Financial clerks	16.39	2.4	650	2.3	33,812	2.3
Bill and account collectors	16.64	7.5	660	7.4	34,303	7.4
Billing and posting clerks and machine operators	17.35	5.6	685	5.5	35,627	5.5
Bookkeeping, accounting, and auditing clerks	16.71	2.9	662	2.7	34,423	2.7
Payroll and timekeeping clerks	19.34	4.0	772	4.0	40,121	4.0
Procurement clerks	17.26	12.4	690	12.4	35,901	12.4
Tellers	12.24	2.6	490	2.6	25,464	2.6
Credit authorizers, checkers, and clerks	15.75	5.5	627	5.7	32,608	5.7
Customer service representatives	16.87	3.8	666	3.8	34,645	3.8
File clerks	13.68	6.2	546	6.3	28,376	6.3
Hotel, motel, and resort desk clerks	11.62	4.9	460	5.1	23,908	5.1
Interviewers, except eligibility and loan	15.13	4.5	605	4.5	31,474	4.5
Loan interviewers and clerks	16.42	6.5	657	6.5	34,153	6.5
New accounts clerks	16.84	6.4	674	6.4	35,037	6.4
Order clerks	14.78	9.5	587	9.2	30,507	9.2
Human resources assistants, except payroll and timekeeping	18.43	5.9	737	5.9	38,336	5.9
Receptionists and information clerks	13.88	2.3	541	2.2	28,146	2.2
Dispatchers	17.92	8.3	724	8.7	37,624	8.7
Dispatchers, except police, fire, and ambulance	17.98	8.7	726	9.1	37,771	9.1
Production, planning, and expediting clerks	19.43	4.9	768	4.7	39,956	4.7
Shipping, receiving, and traffic clerks	13.67	4.9	545	4.8	28,363	4.8
Stock clerks and order fillers	13.04	3.6	520	3.8	27,015	3.8
Weighers, measurers, checkers, and samplers, recordkeeping	13.84	8.1	554	8.1	28,793	8.1
Secretaries and administrative assistants	20.06	2.9	788	2.7	40,909	2.7
Executive secretaries and administrative assistants	22.34	2.8	877	2.5	45,563	2.5
Legal secretaries	26.85	6.5	1,024	4.7	53,248	4.7
Medical secretaries	15.82	3.1	620	2.6	32,225	2.6
Secretaries, except legal, medical, and executive	17.29	3.0	684	3.0	35,491	3.0
Data entry and information processing workers	14.92	5.0	594	5.0	30,883	5.0
Data entry keyers	13.32	4.5	530	4.5	27,536	4.5

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Office and administrative support occupations –Continued						
Insurance claims and policy processing clerks	\$16.92	4.0%	\$668	3.9%	\$34,754	3.9%
Mail clerks and mail machine operators, except postal service	14.78	3.8	575	3.5	29,880	3.5
Office clerks, general	16.08	1.8	637	1.8	33,125	1.8
Office machine operators, except computer ..	13.97	5.2	559	5.2	29,052	5.2
Construction and extraction occupations	30.19	3.1	1,202	3.1	57,792	3.1
First-line supervisors/managers of construction trades and extraction workers	40.19	2.5	1,622	3.3	74,347	3.3
Carpenters	30.37	6.8	1,203	6.9	62,552	6.9
Construction laborers	27.77	8.4	1,111	8.4	55,065	8.4
Construction equipment operators	30.71	7.1	1,174	7.8	50,264	7.8
Operating engineers and other construction equipment operators	30.71	7.1	1,174	7.8	50,264	7.8
Electricians	29.38	7.2	1,175	7.2	61,118	7.2
Painters and paperhangers	25.57	10.4	1,020	10.4	53,041	10.4
Painters, construction and maintenance	25.57	10.4	1,020	10.4	53,041	10.4
Pipelayers, plumbers, pipefitters, and steamfitters	30.06	4.1	1,202	4.1	62,520	4.1
Plumbers, pipefitters, and steamfitters	30.32	4.3	1,213	4.3	63,071	4.3
Sheet metal workers	24.93	4.3	997	4.3	47,014	4.3
Installation, maintenance, and repair occupations	23.81	1.9	945	2.3	49,144	2.3
First-line supervisors/managers of mechanics, installers, and repairers	33.21	6.2	1,335	6.1	69,397	6.1
Radio and telecommunications equipment installers and repairers	23.96	5.8	958	5.8	49,828	5.8
Telecommunications equipment installers and repairers, except line installers	23.96	5.8	958	5.8	49,828	5.8
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	22.97	6.8	915	6.8	47,604	6.8
Electrical and electronics repairers, commercial and industrial equipment	22.98	7.0	912	7.0	47,434	7.0
Aircraft mechanics and service technicians ..	23.65	5.3	946	5.3	49,186	5.3
Automotive technicians and repairers	20.76	13.1	863	12.9	44,854	12.9
Automotive service technicians and mechanics	17.59	9.1	721	9.5	37,514	9.5

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Installation, maintenance, and repair occupations –Continued						
Bus and truck mechanics and diesel engine specialists	\$25.46	7.9%	\$1,019	7.9%	\$52,966	7.9%
Heavy vehicle and mobile equipment service technicians and mechanics	28.90	4.3	1,156	4.3	60,109	4.3
Heating, air conditioning, and refrigeration mechanics and installers	23.47	9.4	881	12.8	45,809	12.8
Industrial machinery installation, repair, and maintenance workers	23.05	2.5	920	2.6	47,827	2.6
Industrial machinery mechanics	24.81	2.9	992	2.9	51,592	2.9
Maintenance and repair workers, general ..	21.06	4.8	837	5.0	43,479	5.0
Maintenance workers, machinery	19.86	4.6	794	4.6	41,310	4.6
Millwrights	24.64	8.3	986	8.3	51,260	8.3
Line installers and repairers	29.75	7.0	1,190	7.0	61,873	7.0
Electrical power-line installers and repairers	34.51	5.9	1,380	5.9	71,784	5.9
Telecommunications line installers and repairers	24.27	11.0	971	11.0	50,478	11.0
Miscellaneous installation, maintenance, and repair workers	21.61	7.9	864	7.9	44,951	7.9
Helpers--installation, maintenance, and repair workers	13.76	10.2	550	10.2	28,617	10.2
Production occupations	18.05	2.0	721	2.0	37,416	2.0
First-line supervisors/managers of production and operating workers	27.11	3.4	1,124	3.2	58,444	3.2
Electrical, electronics, and electromechanical assemblers	14.38	9.0	575	9.0	29,914	9.0
Electrical and electronic equipment assemblers	15.08	11.2	603	11.2	31,363	11.2
Electromechanical equipment assemblers	13.41	14.0	536	14.0	27,883	14.0
Engine and other machine assemblers	20.56	8.0	818	8.0	42,510	8.0
Structural metal fabricators and fitters	18.07	13.4	703	11.8	35,930	11.8
Miscellaneous assemblers and fabricators	18.68	5.3	744	5.4	38,642	5.4
Team assemblers	19.25	10.0	770	10.0	40,036	10.0
Butchers and meat cutters	15.82	5.6	627	5.5	32,598	5.5
Miscellaneous food processing workers	15.54	9.0	621	9.0	31,718	9.0
Food and tobacco roasting, baking, and drying machine operators and tenders	16.53	8.9	661	8.9	34,372	8.9
Food batchmakers	15.33	10.8	613	10.8	31,124	10.8
Computer control programmers and operators	19.66	8.9	787	8.9	40,895	8.9

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Computer-controlled machine tool operators, metal and plastic	\$18.16	6.9%	\$726	6.9%	\$37,762	6.9%
Numerical tool and process control programmers	25.54	12.7	1,022	12.7	53,131	12.7
Forming machine setters, operators, and tenders, metal and plastic	15.15	12.1	606	12.1	31,368	12.1
Extruding and drawing machine setters, operators, and tenders, metal and plastic	14.97	8.3	599	8.3	31,143	8.3
Rolling machine setters, operators, and tenders, metal and plastic	15.92	22.5	637	22.5	33,121	22.5
Machine tool cutting setters, operators, and tenders, metal and plastic	16.61	4.7	664	4.7	34,548	4.7
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	16.06	5.0	642	5.0	33,403	5.0
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	16.28	15.1	651	15.1	33,867	15.1
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	15.90	13.3	635	13.4	33,031	13.4
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	18.67	7.1	747	7.1	38,838	7.1
Machinists	23.59	4.9	932	5.2	48,465	5.2
Metal furnace and kiln operators and tenders	20.63	13.7	825	13.7	42,909	13.7
Model makers and patternmakers, metal and plastic	22.96	9.0	918	9.0	47,749	9.0
Model makers, metal and plastic	24.15	11.2	966	11.2	50,228	11.2
Molders and molding machine setters, operators, and tenders, metal and plastic	14.50	6.8	578	6.6	30,062	6.6
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	14.09	7.2	562	7.0	29,204	7.0
Multiple machine tool setters, operators, and tenders, metal and plastic	19.58	5.4	783	5.4	40,723	5.4
Tool and die makers	26.38	3.4	1,055	3.4	54,879	3.4
Welding, soldering, and brazing workers	17.14	4.3	682	4.3	35,391	4.3
Welders, cutters, solderers, and brazers	18.73	5.1	744	5.2	38,637	5.2
Welding, soldering, and brazing machine setters, operators, and tenders	15.44	4.8	615	4.8	31,912	4.8

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Miscellaneous metalworkers and plastic workers	\$17.23	4.0%	\$689	4.0%	\$35,832	4.0%
Heat treating equipment setters, operators, and tenders, metal and plastic	18.22	9.2	729	9.2	37,895	9.2
Plating and coating machine setters, operators, and tenders, metal and plastic	16.10	8.0	644	8.0	33,479	8.0
Printers	22.63	8.5	874	8.8	45,453	8.8
Printing machine operators	23.03	9.3	894	9.2	46,501	9.2
Laundry and dry-cleaning workers	11.29	8.0	449	8.1	23,360	8.1
Sewing machine operators	13.13	3.2	524	3.4	25,802	3.4
Woodworking machine setters, operators, and tenders	16.52	1.9	661	1.9	34,367	1.9
Woodworking machine setters, operators, and tenders, except sawing	16.38	2.2	655	2.2	34,076	2.2
Power plant operators, distributors, and dispatchers	33.63	6.0	1,345	6.0	69,941	6.0
Power plant operators	30.73	3.5	1,229	3.5	63,922	3.5
Stationary engineers and boiler operators	24.64	5.1	986	5.1	51,256	5.1
Miscellaneous plant and system operators	26.26	8.4	1,021	10.0	53,066	10.0
Crushing, grinding, polishing, mixing, and blending workers	20.75	8.5	830	8.5	43,148	8.5
Mixing and blending machine setters, operators, and tenders	24.11	7.7	964	7.7	50,143	7.7
Cutting workers	13.23	8.9	528	8.9	27,475	8.9
Cutters and trimmers, hand	9.78	5.7	391	5.7	20,340	5.7
Cutting and slicing machine setters, operators, and tenders	14.46	10.9	577	10.9	30,006	10.9
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	15.53	9.7	621	9.7	32,302	9.7
Furnace, kiln, oven, drier, and kettle operators and tenders	16.60	19.3	664	19.3	34,501	19.3
Inspectors, testers, sorters, samplers, and weighers	16.94	4.4	676	4.4	35,112	4.4
Packaging and filling machine operators and tenders	14.32	5.1	572	5.1	29,770	5.1
Painting workers	16.64	7.2	666	7.2	34,607	7.2
Coating, painting, and spraying machine setters, operators, and tenders	14.72	3.8	589	3.8	30,621	3.8
Painters, transportation equipment	24.62	9.4	985	9.4	51,217	9.4
Miscellaneous production workers	16.02	6.6	634	6.8	32,972	6.8

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 by occupation for full-time workers — Continued

Occupation ¹	Hourly earnings ²		Weekly earnings ⁴		Annual earnings ⁵	
	Mean	Relative error ³	Mean	Relative error ³	Mean	Relative error ³
Production occupations –Continued						
Paper goods machine setters, operators, and tenders	\$21.49	10.5%	\$849	10.3%	\$44,169	10.3%
Helpers--production workers	14.21	5.0	563	4.9	29,296	4.9
Transportation and material moving occupations						
First-line supervisors/managers of helpers, laborers, and material movers, hand	18.72	4.7	731	4.3	37,749	4.3
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	24.74	6.4	998	6.9	51,884	6.9
Aircraft pilots and flight engineers	26.22	7.0	1,124	9.0	58,460	9.0
Airline pilots, copilots, and flight engineers	96.82	27.2	1,921	28.8	99,867	28.8
Bus drivers	100.05	29.7	–	–	–	–
Driver/sales workers and truck drivers	18.50	5.3	719	5.6	33,720	5.6
Driver/sales workers	21.70	3.7	892	3.9	46,050	3.9
Truck drivers, heavy and tractor-trailer	13.77	12.5	541	13.8	28,123	13.8
Industrial truck and tractor operators	21.10	4.1	883	5.2	45,372	5.2
Laborers and material movers, hand	16.07	6.2	642	6.2	33,382	6.2
Cleaners of vehicles and equipment	13.01	3.7	518	3.6	26,637	3.6
Laborers and freight, stock, and material movers, hand	12.93	4.5	515	4.4	26,731	4.4
Machine feeders and offbearers	14.83	3.5	590	3.5	30,068	3.5
Packers and packagers, hand	13.07	8.5	522	8.5	27,156	8.5
Tank car, truck, and ship loaders	10.51	4.0	417	4.1	21,700	4.1
	22.68	4.5	907	4.5	47,166	4.5

¹ The NCS uses the 2000 Standard Occupational Classification coding structure, which defines more than 800 unique occupations, to match jobs sampled by the survey. Military occupations are excluded from the survey.

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

³ The relative standard error (RSE) is the standard error expressed as a percent of the estimate. It can be used to calculate a "confidence interval" around a sample estimate. For more information about RSEs, see chapter 8 of the BLS Handbook of

Methods, at http://www.bls.gov/opub/hom/homch8_a.htm.

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

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

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

SOURCE: Bureau of Labor Statistics, National Compensation Survey.