

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	\$22.59	0.9%	\$894	0.9%	\$46,201	0.9%
Management occupations	48.76	3.8	1,967	3.7	102,278	3.7
Chief executives	147.60	15.0	6,173	12.9	320,972	12.9
General and operations managers	56.21	19.8	2,292	19.2	119,161	19.2
Marketing and sales managers	50.20	4.8	2,015	5.1	104,760	5.1
Marketing managers	48.17	5.4	1,921	6.0	99,904	6.0
Sales managers	53.49	8.8	2,168	8.9	112,741	8.9
Public relations managers	41.83	13.2	1,625	13.1	84,480	13.1
Administrative services managers	36.80	6.4	1,510	7.3	78,518	7.3
Computer and information systems managers	54.75	5.6	2,208	5.4	114,806	5.4
Financial managers	44.76	5.4	1,813	5.4	94,278	5.4
Human resources managers	43.11	11.4	1,775	11.1	92,298	11.1
Industrial production managers	47.21	5.2	1,941	5.0	100,926	5.0
Purchasing managers	66.91	5.1	2,676	5.1	139,168	5.1
Construction managers	34.46	11.0	1,415	12.2	73,585	12.2
Education administrators	29.56	5.9	1,210	6.2	62,643	6.2
Education administrators, postsecondary ..	27.83	9.3	1,107	9.4	57,554	9.4
Engineering managers	57.89	5.8	2,316	5.8	120,420	5.8
Medical and health services managers	40.60	4.5	1,660	5.1	86,339	5.1
Social and community service managers	28.95	4.8	1,140	3.8	59,277	3.8
Business and financial operations occupations	31.82	1.6	1,275	1.5	66,318	1.5
Buyers and purchasing agents	31.54	4.6	1,275	4.4	66,302	4.4
Wholesale and retail buyers, except farm products	37.63	7.9	1,488	7.8	77,360	7.8
Purchasing agents, except wholesale, retail, and farm products	29.42	5.2	1,199	5.0	62,334	5.0
Claims adjusters, appraisers, examiners, and investigators	28.03	4.4	1,094	4.2	56,877	4.2
Claims adjusters, examiners, and investigators	28.03	4.4	1,094	4.2	56,877	4.2
Compliance officers, except agriculture, construction, health and safety, and transportation	24.28	5.7	946	7.1	49,195	7.1
Cost estimators	42.60	10.8	1,795	12.2	93,358	12.2
Human resources, training, and labor relations specialists	32.27	8.3	1,284	8.3	66,747	8.3
Employment, recruitment, and placement specialists	26.57	13.7	1,063	13.7	55,261	13.7
Compensation, benefits, and job analysis specialists	29.64	12.0	1,169	11.5	60,793	11.5

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
Business and financial operations occupations –Continued						
Training and development specialists	\$30.72	5.1%	\$1,219	5.1%	\$63,372	5.1%
Logisticians	27.60	8.1	1,113	8.3	57,855	8.3
Management analysts	40.73	7.6	1,628	7.6	84,663	7.6
Accountants and auditors	29.50	2.9	1,199	2.7	62,336	2.7
Credit analysts	25.12	13.8	1,005	13.8	52,258	13.8
Financial analysts and advisors	32.55	5.6	1,300	5.6	67,621	5.6
Financial analysts	34.93	6.8	1,400	6.6	72,819	6.6
Insurance underwriters	28.96	8.8	1,151	9.0	59,864	9.0
Loan counselors and officers	30.95	12.3	1,314	15.5	68,309	15.5
Loan officers	31.29	12.4	1,331	15.7	69,211	15.7
Computer and mathematical science occupations						
.....	34.02	2.0	1,372	2.1	71,252	2.1
Computer programmers	32.41	3.2	1,302	3.3	67,680	3.3
Computer software engineers	38.52	3.5	1,577	3.3	81,983	3.3
Computer software engineers, applications	36.40	2.4	1,506	2.6	78,336	2.6
Computer software engineers, systems						
software	40.81	6.4	1,651	5.7	85,833	5.7
Computer support specialists	22.00	5.3	879	5.3	45,729	5.3
Computer systems analysts	37.10	1.6	1,487	1.4	77,324	1.4
Database administrators	31.10	6.8	1,244	6.8	64,695	6.8
Network and computer systems						
administrators	32.56	6.0	1,316	6.9	68,457	6.9
Network systems and data communications						
analysts	34.49	7.4	1,394	7.2	72,497	7.2
Operations research analysts	32.43	7.2	1,253	8.2	65,177	8.2
Architecture and engineering occupations						
.....	35.54	1.5	1,438	1.4	74,777	1.4
Engineers	38.59	1.8	1,567	1.5	81,480	1.5
Civil engineers	37.82	6.2	1,602	5.2	83,297	5.2
Computer hardware engineers	31.74	10.9	1,270	10.9	66,026	10.9
Electrical and electronics engineers	38.12	7.1	1,599	4.7	83,157	4.7
Electrical engineers	37.09	7.5	1,569	4.9	81,612	4.9
Industrial engineers, including health and						
safety	35.25	4.4	1,446	3.7	75,159	3.7
Industrial engineers	35.55	4.3	1,460	3.3	75,940	3.3
Materials engineers	33.08	5.0	1,323	5.0	68,805	5.0
Mechanical engineers	37.14	2.4	1,502	2.8	78,123	2.8
Drafters	24.89	7.4	995	7.4	51,766	7.4
Mechanical drafters	24.35	7.9	974	7.9	50,657	7.9
Engineering technicians, except drafters	26.73	3.2	1,073	3.2	55,745	3.2

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 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	\$24.47	7.7%	\$983	7.9%	\$51,055	7.9%
Industrial engineering technicians	25.65	4.2	1,047	5.5	54,373	5.5
Mechanical engineering technicians	26.19	5.2	1,048	5.2	54,479	5.2
Life, physical, and social science occupations	33.93	7.0	1,342	6.8	68,977	6.8
Life scientists	33.83	11.7	1,323	12.1	68,809	12.1
Medical scientists	36.06	16.7	1,386	17.6	72,072	17.6
Physical scientists	43.24	6.6	1,747	6.1	86,512	6.1
Chemists and materials scientists	43.71	9.3	1,774	8.6	92,258	8.6
Chemists	42.75	10.0	1,739	9.4	90,407	9.4
Market and survey researchers	30.71	12.6	1,234	12.7	64,158	12.7
Market research analysts	30.08	16.1	1,210	16.2	62,933	16.2
Chemical technicians	24.68	10.4	987	10.4	51,328	10.4
Miscellaneous life, physical, and social science technicians	20.34	6.6	814	6.6	42,313	6.6
Community and social services occupations	17.78	4.4	707	4.5	36,731	4.5
Counselors	17.36	8.2	692	8.0	35,993	8.0
Educational, vocational, and school counselors	18.82	10.7	748	10.2	38,874	10.2
Social workers	19.46	4.9	775	5.1	40,224	5.1
Child, family, and school social workers ..	16.69	7.5	664	7.7	34,522	7.7
Medical and public health social workers	24.99	4.1	996	4.2	51,770	4.2
Mental health and substance abuse social workers	17.45	7.4	695	7.7	35,933	7.7
Miscellaneous community and social service specialists	14.22	4.3	563	4.4	29,253	4.4
Social and human service assistants	13.07	7.7	520	7.8	27,044	7.8
Legal occupations	60.36	4.9	2,438	5.1	126,762	5.1
Lawyers	69.59	6.1	2,896	6.5	150,570	6.5
Education, training, and library occupations	41.36	10.4	1,625	10.7	71,042	10.7
Postsecondary teachers	57.36	7.6	2,341	8.5	98,246	8.5
Social sciences teachers, postsecondary	36.73	4.0	1,482	4.5	58,400	4.5
Health teachers, postsecondary	79.73	5.8	3,676	5.1	183,428	5.1
Health specialties teachers, postsecondary	86.24	3.7	4,088	5.0	211,004	5.0
Education and library science teachers, postsecondary	41.33	7.3	1,612	8.1	64,129	8.1

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
Education, training, and library occupations						
–Continued						
Education teachers, postsecondary	\$41.33	7.3%	\$1,612	8.1%	\$64,129	8.1%
Law, criminal justice, and social work teachers, postsecondary	68.51	21.9	2,724	20.9	114,263	20.9
Arts, communications, and humanities teachers, postsecondary	38.01	3.9	1,526	3.6	58,521	3.6
Art, drama, and music teachers, postsecondary	36.21	5.4	1,410	5.0	53,310	5.0
English language and literature teachers, postsecondary	35.85	5.6	1,507	5.4	54,640	5.4
Miscellaneous postsecondary teachers	35.02	6.3	1,244	5.1	52,439	5.1
Primary, secondary, and special education school teachers	28.91	4.4	1,088	4.2	41,282	4.2
Elementary and middle school teachers	28.54	7.1	1,092	7.7	41,080	7.7
Elementary school teachers, except special education	28.19	7.2	1,087	8.8	40,987	8.8
Middle school teachers, except special and vocational education	29.44	10.7	1,104	10.7	41,311	10.7
Secondary school teachers	31.24	3.4	1,165	3.3	43,561	3.3
Secondary school teachers, except special and vocational education	31.24	3.4	1,165	3.3	43,561	3.3
Teacher assistants	12.35	7.9	479	10.3	24,324	10.3
Arts, design, entertainment, sports, and media occupations	26.98	5.7	1,061	5.9	54,597	5.9
Designers	26.70	6.4	1,056	6.3	54,931	6.3
Graphic designers	22.37	8.0	872	7.7	45,341	7.7
News analysts, reporters and correspondents	25.78	12.8	1,067	13.6	55,500	13.6
Reporters and correspondents	25.78	12.8	1,067	13.6	55,500	13.6
Public relations specialists	23.31	12.6	932	12.6	48,482	12.6
Writers and editors	24.79	7.0	969	6.9	50,393	6.9
Editors	24.20	8.9	914	8.6	47,544	8.6
Technical writers	25.17	10.2	1,022	11.0	53,138	11.0
Healthcare practitioner and technical occupations	27.99	1.7	1,093	1.8	56,823	1.8
Pharmacists	51.56	1.9	2,062	1.9	107,249	1.9
Physicians and surgeons	65.28	12.6	2,713	11.1	141,089	11.1
Registered nurses	30.83	2.0	1,195	2.0	62,133	2.0
Therapists	27.36	3.2	1,074	3.1	55,866	3.1
Occupational therapists	29.10	2.1	1,130	2.7	58,761	2.7
Physical therapists	33.94	3.9	1,341	3.5	69,729	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
Healthcare practitioner and technical occupations –Continued						
Respiratory therapists	\$23.77	1.8%	\$925	2.3%	\$48,101	2.3%
Clinical laboratory technologists and technicians	22.07	4.1	878	4.1	45,665	4.1
Medical and clinical laboratory technologists	25.89	3.3	1,024	3.3	53,259	3.3
Medical and clinical laboratory technicians	18.75	8.4	750	8.4	38,988	8.4
Diagnostic related technologists and technicians	30.19	5.1	1,199	5.2	62,327	5.2
Cardiovascular technologists and technicians	39.31	13.9	1,573	13.9	81,775	13.9
Diagnostic medical sonographers	35.49	7.3	1,420	7.3	73,826	7.3
Radiologic technologists and technicians ..	26.23	3.2	1,037	3.3	53,926	3.3
Health diagnosing and treating practitioner support technicians	16.42	3.5	652	3.5	33,880	3.5
Pharmacy technicians	14.77	2.2	591	2.2	30,730	2.2
Psychiatric technicians	12.89	3.5	516	3.5	26,816	3.5
Surgical technologists	18.49	3.5	727	3.0	37,811	3.0
Licensed practical and licensed vocational nurses	19.90	1.9	757	1.9	39,378	1.9
Medical records and health information technicians	15.67	7.9	624	7.8	32,455	7.8
Miscellaneous health technologists and technicians	19.75	5.9	783	6.1	40,738	6.1
Healthcare support occupations	12.48	2.4	487	2.4	25,307	2.4
Nursing, psychiatric, and home health aides	11.59	1.8	451	1.6	23,444	1.6
Home health aides	10.14	2.8	405	2.7	21,035	2.7
Nursing aides, orderlies, and attendants	12.07	1.7	465	1.6	24,201	1.6
Psychiatric aides	11.47	4.8	452	4.9	23,493	4.9
Physical therapist assistants and aides	17.16	10.7	672	12.1	34,933	12.1
Physical therapist assistants	21.53	4.9	861	4.9	44,792	4.9
Physical therapist aides	12.70	4.2	487	5.4	25,319	5.4
Miscellaneous healthcare support occupations	14.17	3.5	557	3.7	28,967	3.7
Medical assistants	14.33	7.4	564	7.6	29,335	7.6
Medical equipment preparers	13.55	4.7	542	4.7	28,179	4.7
Medical transcriptionists	16.48	1.7	626	5.2	32,528	5.2
Protective service occupations	12.31	4.5	491	4.4	25,458	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
Protective service occupations –Continued						
Security guards and gaming surveillance officers	\$11.68	2.9%	\$466	2.8%	\$24,225	2.8%
Security guards	11.65	2.9	465	2.8	24,157	2.8
Miscellaneous protective service workers	10.47	7.7	424	7.4	20,220	7.4
Food preparation and serving related occupations						
First-line supervisors/managers, food preparation and serving workers	11.06	3.5	423	4.8	21,905	4.8
First-line supervisors/managers of food preparation and serving workers	17.65	5.3	721	4.4	37,263	4.4
Cooks	17.67	4.7	711	5.2	36,964	5.2
Cooks, institution and cafeteria	11.80	2.2	447	3.1	23,236	3.1
Cooks, restaurant	12.36	3.3	470	6.4	24,380	6.4
Food preparation workers	11.59	4.6	444	4.1	23,073	4.1
Food service, tipped	11.13	4.2	437	4.9	22,709	4.9
Bartenders	5.81	17.5	205	20.5	10,659	20.5
Waiters and waitresses	7.10	14.4	257	19.9	13,367	19.9
Dining room and cafeteria attendants and bartender helpers	3.74	14.1	125	15.8	6,510	15.8
Fast food and counter workers	9.53	11.0	373	12.0	19,416	12.0
Combined food preparation and serving workers, including fast food	10.87	6.9	422	9.3	21,698	9.3
Counter attendants, cafeteria, food concession, and coffee shop	10.77	7.4	420	8.5	21,613	8.5
Food servers, nonrestaurant	11.02	6.8	423	11.0	21,816	11.0
Dishwashers	10.53	5.1	399	6.5	20,753	6.5
	10.67	3.2	422	3.7	21,922	3.7
Building and grounds cleaning and maintenance occupations						
Building cleaning workers	11.82	3.8	469	3.9	23,930	3.9
Janitors and cleaners, except maids and housekeeping cleaners	11.76	4.1	466	4.1	23,852	4.1
Maids and housekeeping cleaners	11.69	2.4	465	2.6	23,641	2.6
Grounds maintenance workers	11.10	2.6	436	2.7	22,570	2.7
Landscaping and groundskeeping workers	11.46	8.6	458	8.6	22,815	8.6
	11.07	6.9	443	6.9	21,952	6.9
Personal care and service occupations						
First-line supervisors/managers of gaming workers	14.37	2.8	483	3.8	23,959	3.8
Gaming services workers	17.23	10.4	689	10.4	35,834	10.4
Gaming dealers	8.79	5.0	346	5.9	18,015	5.9
	7.04	6.1	276	6.9	14,341	6.9

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
Personal care and service occupations						
–Continued						
Transportation attendants	\$29.52	9.0%	\$576	12.5%	\$29,934	12.5%
Flight attendants	30.89	12.6	565	11.7	29,360	11.7
Child care workers	11.78	3.1	467	3.3	24,304	3.3
Personal and home care aides	9.84	4.3	389	5.1	20,217	5.1
Recreation and fitness workers	12.95	16.3	513	16.4	24,661	16.4
Recreation workers	14.73	16.4	581	17.0	26,813	17.0
Sales and related occupations	20.06	7.6	801	7.6	41,462	7.6
First-line supervisors/managers, sales workers	24.65	11.0	998	11.9	50,963	11.9
First-line supervisors/managers of retail sales workers	18.23	3.1	728	3.1	36,982	3.1
First-line supervisors/managers of non-retail sales workers	44.62	11.2	1,885	9.8	98,015	9.8
Retail sales workers	12.49	2.8	496	3.0	25,709	3.0
Cashiers, all workers	11.71	2.4	465	2.5	24,141	2.5
Cashiers	11.68	2.5	464	2.6	24,079	2.6
Counter and rental clerks and parts salespersons	19.97	13.7	851	13.9	44,231	13.9
Retail salespersons	12.60	3.6	498	4.0	25,830	4.0
Insurance sales agents	25.68	6.8	1,027	6.8	53,421	6.8
Securities, commodities, and financial services sales agents	54.29	10.8	2,171	10.8	112,915	10.8
Sales representatives, wholesale and manufacturing	37.38	15.3	1,516	15.1	78,851	15.1
Sales representatives, wholesale and manufacturing, technical and scientific products	43.52	13.8	1,741	13.8	90,515	13.8
Sales representatives, wholesale and manufacturing, except technical and scientific products	27.95	10.5	1,159	11.5	60,258	11.5
Telemarketers	16.31	27.0	637	26.1	33,106	26.1
Miscellaneous sales and related workers	17.91	10.5	714	10.5	37,147	10.5
Office and administrative support occupations	16.53	1.3	654	1.2	34,003	1.2
First-line supervisors/managers of office and administrative support workers	23.75	3.2	948	2.9	49,288	2.9
Switchboard operators, including answering service	13.14	12.3	526	12.3	27,337	12.3
Financial clerks	16.07	2.1	636	1.9	33,066	1.9

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
Office and administrative support occupations –Continued						
Bill and account collectors	\$16.03	6.3%	\$634	6.2%	\$32,989	6.2%
Billing and posting clerks and machine operators	15.81	5.0	622	4.4	32,345	4.4
Bookkeeping, accounting, and auditing clerks	16.74	2.7	661	2.5	34,357	2.5
Payroll and timekeeping clerks	18.68	3.3	744	3.2	38,704	3.2
Procurement clerks	18.42	11.1	737	11.1	38,312	11.1
Tellers	12.20	2.6	488	2.6	25,374	2.6
Credit authorizers, checkers, and clerks	14.61	9.0	578	9.1	30,048	9.1
Customer service representatives	16.26	2.3	643	2.3	33,414	2.3
File clerks	12.96	7.5	516	7.6	26,845	7.6
Hotel, motel, and resort desk clerks	11.49	6.7	455	7.0	23,681	7.0
Interviewers, except eligibility and loan	14.40	4.6	576	4.6	29,948	4.6
Loan interviewers and clerks	17.46	9.0	698	9.0	36,319	9.0
Order clerks	13.67	6.7	545	6.5	28,332	6.5
Human resources assistants, except payroll and timekeeping	19.62	9.1	794	8.2	41,302	8.2
Receptionists and information clerks	13.84	2.5	543	2.4	28,242	2.4
Dispatchers	21.78	7.5	884	7.4	45,680	7.4
Dispatchers, except police, fire, and ambulance	22.40	7.6	911	7.5	47,347	7.5
Meter readers, utilities	15.14	7.6	605	7.6	31,486	7.6
Production, planning, and expediting clerks	19.30	5.6	759	5.5	39,483	5.5
Shipping, receiving, and traffic clerks	13.84	3.2	553	3.2	28,747	3.2
Stock clerks and order fillers	13.36	4.1	530	4.4	27,568	4.4
Secretaries and administrative assistants	19.67	2.7	772	2.7	40,118	2.7
Executive secretaries and administrative assistants	21.30	3.1	839	3.0	43,647	3.0
Legal secretaries	27.94	4.9	1,048	3.3	54,512	3.3
Medical secretaries	16.31	4.5	640	4.6	33,300	4.6
Secretaries, except legal, medical, and executive	17.07	2.8	674	2.8	34,969	2.8
Data entry and information processing workers	15.12	4.0	601	3.9	31,240	3.9
Data entry keyers	14.32	3.9	569	3.9	29,610	3.9
Insurance claims and policy processing clerks	16.37	4.1	644	4.1	33,509	4.1
Mail clerks and mail machine operators, except postal service	13.49	7.0	524	6.9	27,238	6.9
Office clerks, general	15.94	2.2	631	2.1	32,766	2.1
Office machine operators, except computer ..	13.76	6.8	550	6.8	28,618	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
Construction and extraction occupations	\$28.50	2.5%	\$1,139	2.5%	\$55,220	2.5%
First-line supervisors/managers of construction trades and extraction workers	32.17	8.9	1,295	9.1	67,320	9.1
Carpenters	29.86	6.8	1,184	7.0	60,473	7.0
Construction laborers	25.15	6.4	1,006	6.4	51,130	6.4
Construction equipment operators	29.61	6.9	1,184	6.9	51,282	6.9
Operating engineers and other construction equipment operators	29.48	7.2	1,179	7.2	52,229	7.2
Electricians	28.47	5.9	1,139	5.9	59,213	5.9
Painters and paperhangers	26.44	9.3	1,056	9.4	50,556	9.4
Painters, construction and maintenance	26.44	9.3	1,056	9.4	50,556	9.4
Pipelayers, plumbers, pipefitters, and steamfitters	28.54	4.7	1,142	4.7	59,369	4.7
Plumbers, pipefitters, and steamfitters	28.81	4.9	1,152	4.9	59,918	4.9
Sheet metal workers	24.41	3.2	976	3.2	46,361	3.2
Installation, maintenance, and repair occupations	23.86	2.2	948	2.5	49,277	2.5
First-line supervisors/managers of mechanics, installers, and repairers	33.34	6.0	1,330	6.0	69,183	6.0
Radio and telecommunications equipment installers and repairers	24.63	8.9	985	8.9	51,226	8.9
Telecommunications equipment installers and repairers, except line installers	24.63	8.9	985	8.9	51,226	8.9
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	20.78	7.9	828	7.8	43,061	7.8
Electrical and electronics repairers, commercial and industrial equipment	22.34	8.2	885	7.9	46,029	7.9
Aircraft mechanics and service technicians	23.82	4.6	953	4.6	49,543	4.6
Automotive technicians and repairers	22.75	8.9	941	9.7	48,932	9.7
Automotive service technicians and mechanics	19.35	9.9	790	9.7	41,088	9.7
Bus and truck mechanics and diesel engine specialists	27.85	10.1	1,114	10.1	57,923	10.1
Heavy vehicle and mobile equipment service technicians and mechanics	29.27	4.2	1,171	4.2	60,882	4.2
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	12.59	12.2	504	12.2	26,188	12.2
Control and valve installers and repairers	25.55	5.3	1,022	5.3	53,148	5.3
Control and valve installers and repairers, except mechanical door	25.55	5.3	1,022	5.3	53,148	5.3

See footnotes at end of table.

RSE Table 16

Private industry establishments with 100 workers or more: Relative standard errors of mean hourly, weekly, and annual earnings 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						
Heating, air conditioning, and refrigeration mechanics and installers	\$26.98	11.5%	\$1,032	14.2%	\$53,651	14.2%
Industrial machinery installation, repair, and maintenance workers	22.49	2.9	898	2.9	46,693	2.9
Industrial machinery mechanics	24.98	2.5	998	2.5	51,914	2.5
Maintenance and repair workers, general ..	19.98	5.0	797	5.0	41,426	5.0
Maintenance workers, machinery	18.82	6.8	753	6.8	39,155	6.8
Millwrights	25.71	12.0	1,029	12.0	53,483	12.0
Line installers and repairers	27.19	10.9	1,088	10.9	56,553	10.9
Electrical power-line installers and repairers	32.72	4.2	1,309	4.2	68,054	4.2
Telecommunications line installers and repairers	20.52	18.1	821	18.1	42,692	18.1
Miscellaneous installation, maintenance, and repair workers	20.39	8.3	816	8.3	42,414	8.3
Helpers--installation, maintenance, and repair workers	13.36	16.6	534	16.6	27,783	16.6
Production occupations	18.12	1.7	724	1.7	37,584	1.7
First-line supervisors/managers of production and operating workers	26.98	3.9	1,120	3.3	58,258	3.3
Electrical, electronics, and electromechanical assemblers	13.80	8.7	552	8.7	28,701	8.7
Electrical and electronic equipment assemblers	14.56	10.0	582	10.0	30,289	10.0
Electromechanical equipment assemblers	12.90	15.9	516	15.9	26,834	15.9
Engine and other machine assemblers	21.28	6.8	847	6.7	44,062	6.7
Structural metal fabricators and fitters	14.81	7.6	578	6.9	29,449	6.9
Miscellaneous assemblers and fabricators	18.92	4.4	754	4.5	39,177	4.5
Team assemblers	19.34	9.9	774	9.9	40,233	9.9
Butchers and other meat, poultry, and fish processing workers	13.41	5.2	534	4.9	27,745	4.9
Butchers and meat cutters	16.80	6.7	657	6.8	34,187	6.8
Miscellaneous food processing workers	15.13	9.2	605	9.2	31,427	9.2
Food and tobacco roasting, baking, and drying machine operators and tenders	13.36	14.1	535	14.1	27,799	14.1
Food batchmakers	15.77	12.7	630	12.7	32,734	12.7
Computer control programmers and operators	18.71	5.6	748	5.6	38,902	5.6
Computer-controlled machine tool operators, metal and plastic	18.37	5.9	735	5.9	38,198	5.9

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						
Forming machine setters, operators, and tenders, metal and plastic	\$15.36	13.1%	\$614	13.1%	\$31,793	13.1%
Extruding and drawing machine setters, operators, and tenders, metal and plastic	13.94	9.8	557	9.8	28,990	9.8
Rolling machine setters, operators, and tenders, metal and plastic	16.01	20.5	640	20.5	33,293	20.5
Machine tool cutting setters, operators, and tenders, metal and plastic	17.42	5.0	697	5.0	36,164	5.0
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	17.20	5.1	688	5.1	35,704	5.1
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	17.06	12.7	682	12.7	35,488	12.7
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	15.60	9.7	623	9.8	32,411	9.8
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	18.87	7.4	755	7.4	39,254	7.4
Milling and planing machine setters, operators, and tenders, metal and plastic	20.96	6.3	838	6.3	43,300	6.3
Machinists	22.61	5.3	896	5.3	46,612	5.3
Metal furnace and kiln operators and tenders	19.23	11.8	769	11.8	39,989	11.8
Model makers and patternmakers, metal and plastic	23.56	7.7	942	7.7	49,005	7.7
Model makers, metal and plastic	25.02	9.0	1,001	9.0	52,043	9.0
Molders and molding machine setters, operators, and tenders, metal and plastic	14.41	7.1	575	7.0	29,913	7.0
Foundry mold and coremakers	17.16	7.5	686	7.5	35,690	7.5
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	14.13	7.9	564	7.7	29,327	7.7
Multiple machine tool setters, operators, and tenders, metal and plastic	19.16	4.8	767	4.8	39,821	4.8
Tool and die makers	26.17	3.1	1,047	3.1	54,372	3.1
Welding, soldering, and brazing workers	17.93	3.8	714	3.8	37,018	3.8
Welders, cutters, solderers, and brazers	18.82	4.2	749	4.4	38,861	4.4
Welding, soldering, and brazing machine setters, operators, and tenders	16.36	5.0	652	5.0	33,779	5.0

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 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	\$17.68	4.6%	\$707	4.6%	\$36,771	4.6%
Heat treating equipment setters, operators, and tenders, metal and plastic	18.11	10.3	724	10.3	37,666	10.3
Plating and coating machine setters, operators, and tenders, metal and plastic	17.29	5.9	692	5.9	35,959	5.9
Printers	20.21	4.4	790	4.5	41,065	4.5
Printing machine operators	20.41	5.0	803	4.9	41,750	4.9
Laundry and dry-cleaning workers	11.49	4.4	458	4.4	23,823	4.4
Sewing machine operators	13.53	5.4	539	5.2	27,729	5.2
Woodworking machine setters, operators, and tenders	14.55	5.2	582	5.2	30,274	5.2
Woodworking machine setters, operators, and tenders, except sawing	14.75	3.7	590	3.7	30,676	3.7
Power plant operators, distributors, and dispatchers	35.73	6.7	1,429	6.7	74,328	6.7
Power plant operators	30.52	3.3	1,221	3.3	63,477	3.3
Stationary engineers and boiler operators	24.84	7.9	994	7.9	51,668	7.9
Crushing, grinding, polishing, mixing, and blending workers	18.09	10.8	724	10.8	37,607	10.8
Mixing and blending machine setters, operators, and tenders	21.49	10.4	860	10.4	44,707	10.4
Cutting workers	13.45	9.9	538	9.9	27,983	9.9
Cutters and trimmers, hand	10.08	7.2	403	7.2	20,960	7.2
Cutting and slicing machine setters, operators, and tenders	14.85	12.4	594	12.4	30,881	12.4
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	15.71	8.5	628	8.5	32,667	8.5
Furnace, kiln, oven, drier, and kettle operators and tenders	17.00	21.8	680	21.8	35,340	21.8
Inspectors, testers, sorters, samplers, and weighers	16.89	4.9	674	4.9	34,998	4.9
Packaging and filling machine operators and tenders	14.30	4.0	572	4.0	29,719	4.0
Painting workers	15.56	4.9	622	4.9	32,369	4.9
Coating, painting, and spraying machine setters, operators, and tenders	14.27	3.2	571	3.2	29,677	3.2
Painters, transportation equipment	22.25	11.2	890	11.2	46,274	11.2
Miscellaneous production workers	16.32	8.0	647	8.2	33,624	8.2

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 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	\$20.18	12.5%	\$803	12.4%	\$41,735	12.4%
Helpers--production workers	14.81	4.0	586	4.1	30,482	4.1
Transportation and material moving occupations						
First-line supervisors/managers of helpers, laborers, and material movers, hand	18.14	2.8	713	3.0	36,934	3.0
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	24.33	5.9	980	6.5	50,948	6.5
Driver/sales workers and truck drivers	28.52	7.7	1,257	9.6	65,339	9.6
Driver/sales workers	21.27	3.2	887	3.8	46,124	3.8
Truck drivers, heavy and tractor-trailer	13.82	12.3	544	13.3	28,272	13.3
Crane and tower operators	20.60	3.9	881	5.8	45,827	5.8
Industrial truck and tractor operators	17.30	15.9	692	15.9	35,987	15.9
Laborers and material movers, hand	15.89	6.2	633	6.2	32,930	6.2
Cleaners of vehicles and equipment	13.13	4.6	522	4.5	26,890	4.5
Laborers and freight, stock, and material movers, hand	10.46	15.8	417	15.7	21,651	15.7
Machine feeders and offbearers	14.97	3.8	595	3.8	30,429	3.8
Packers and packagers, hand	12.90	11.5	515	11.4	26,782	11.4
	10.83	5.6	429	5.5	22,322	5.5

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, 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 chapter 8 of the BLS Handbook of

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

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

⁵ Mean annual earnings are 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.