

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
All workers	\$22.98	1.9%	\$913	2.0%	\$47,157	2.0%
Management occupations	44.80	4.6	1,825	4.6	94,572	4.6
Chief executives	93.14	20.1	4,073	20.2	211,778	20.2
General and operations managers	47.30	8.0	1,957	8.0	101,760	8.0
Advertising and promotions managers	38.03	29.4	1,521	29.4	79,098	29.4
Marketing and sales managers	52.35	13.4	2,148	13.5	111,673	13.5
Marketing managers	61.96	21.2	2,541	21.8	132,130	21.8
Sales managers	43.68	14.6	1,793	13.5	93,215	13.5
Public relations managers	52.28	23.8	2,066	24.5	107,447	24.5
Administrative services managers	29.72	5.3	1,196	5.6	62,098	5.6
Computer and information systems managers	58.77	7.4	2,465	7.5	128,194	7.5
Financial managers	45.55	4.8	1,858	4.8	96,622	4.8
Human resources managers	45.55	15.1	1,821	14.1	94,667	14.1
Industrial production managers	45.07	3.5	1,804	3.1	93,802	3.1
Purchasing managers	44.04	2.5	1,801	4.1	93,670	4.1
Transportation, storage, and distribution managers	36.92	6.7	1,495	8.0	77,720	8.0
Construction managers	45.00	6.0	1,825	6.2	94,909	6.2
Education administrators	26.98	6.0	1,075	6.1	52,243	6.1
Education administrators, preschool and child care center/program	21.40	10.7	857	10.7	42,158	10.7
Education administrators, elementary and secondary school	39.01	13.8	1,561	13.8	78,550	13.8
Education administrators, postsecondary ..	35.90	2.2	1,436	2.2	73,704	2.2
Engineering managers	60.14	3.4	2,416	3.4	125,638	3.4
Food service managers	21.38	4.2	960	6.7	49,917	6.7
Lodging managers	37.40	32.8	1,598	27.2	83,072	27.2
Medical and health services managers	46.53	4.3	1,859	4.3	96,694	4.3
Property, real estate, and community association managers	21.67	15.1	887	16.4	46,119	16.4
Social and community service managers	26.80	4.8	1,080	5.6	55,972	5.6
Business and financial operations occupations	32.47	4.2	1,311	4.3	68,152	4.3
Buyers and purchasing agents	30.32	3.8	1,246	5.2	64,790	5.2
Wholesale and retail buyers, except farm products	29.22	13.3	1,178	13.3	61,262	13.3
Purchasing agents, except wholesale, retail, and farm products	30.79	8.4	1,283	11.3	66,701	11.3
Claims adjusters, appraisers, examiners, and investigators	27.81	8.4	1,082	8.3	56,242	8.3
Claims adjusters, examiners, and investigators	27.96	8.2	1,087	8.1	56,505	8.1

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Business and financial operations occupations –Continued						
Compliance officers, except agriculture, construction, health and safety, and transportation	\$52.05	23.2%	\$2,159	25.3%	\$112,271	25.3%
Cost estimators	38.12	14.1	1,524	14.1	79,244	14.1
Human resources, training, and labor relations specialists	27.10	2.4	1,090	2.3	56,670	2.3
Employment, recruitment, and placement specialists	27.02	17.1	1,077	17.4	56,029	17.4
Compensation, benefits, and job analysis specialists	24.07	12.0	971	11.9	50,467	11.9
Training and development specialists	24.95	2.5	1,008	2.8	52,396	2.8
Logisticians	39.40	8.6	1,576	8.6	81,958	8.6
Management analysts	39.20	6.3	1,581	6.4	82,234	6.4
Accountants and auditors	31.02	3.3	1,246	3.4	64,817	3.4
Budget analysts	25.22	3.9	1,007	3.8	52,386	3.8
Credit analysts	31.28	18.2	1,251	18.2	65,070	18.2
Financial analysts and advisors	35.21	3.2	1,411	3.3	73,360	3.3
Financial analysts	35.45	1.5	1,429	1.5	74,289	1.5
Personal financial advisors	29.61	22.1	1,184	22.1	61,593	22.1
Insurance underwriters	38.03	10.2	1,504	10.5	78,218	10.5
Computer and mathematical science occupations						
Computer and information scientists, research	45.30	19.5	1,812	19.5	94,221	19.5
Computer programmers	41.68	7.3	1,651	7.7	85,843	7.7
Computer software engineers	45.84	2.6	1,899	3.0	98,761	3.0
Computer software engineers, applications	43.61	5.9	1,828	4.5	95,061	4.5
Computer software engineers, systems software	47.53	5.6	1,952	6.3	101,511	6.3
Computer support specialists	27.72	9.0	1,117	9.6	58,060	9.6
Computer systems analysts	39.01	3.5	1,594	3.8	82,880	3.8
Database administrators	37.63	5.1	1,579	5.4	82,116	5.4
Network and computer systems administrators	31.87	4.1	1,269	4.0	65,970	4.0
Network systems and data communications analysts	34.82	7.2	1,414	7.9	73,540	7.9
Operations research analysts	36.47	17.0	1,459	17.0	75,850	17.0
Architecture and engineering occupations						
Architects, except naval	31.30	4.5	1,286	4.4	66,876	4.4
Architects, except landscape and naval	31.65	4.9	1,304	5.1	67,793	5.1

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Architecture and engineering occupations						
–Continued						
Engineers	\$44.02	2.7%	\$1,784	2.9%	\$92,665	2.9%
Aerospace engineers	53.70	3.0	2,148	3.0	111,696	3.0
Civil engineers	41.10	7.7	1,645	7.7	85,543	7.7
Computer hardware engineers	46.64	10.2	1,955	12.2	101,670	12.2
Electrical and electronics engineers	43.46	7.9	1,788	6.6	92,963	6.6
Electrical engineers	49.43	7.1	1,977	7.1	102,813	7.1
Electronics engineers, except computer	41.44	8.4	1,721	7.9	89,496	7.9
Environmental engineers	46.70	3.5	1,868	3.5	95,342	3.5
Industrial engineers, including health and safety	37.86	4.8	1,548	5.7	80,513	5.7
Health and safety engineers, except mining safety engineers and inspectors	35.13	5.3	1,426	7.0	74,154	7.0
Industrial engineers	39.47	3.6	1,621	4.4	84,309	4.4
Mechanical engineers	39.34	5.7	1,597	5.0	83,046	5.0
Nuclear engineers	45.61	.5	1,825	.5	94,879	.5
Petroleum engineers	51.62	6.2	2,065	6.2	101,997	6.2
Drafters	24.61	4.2	984	4.2	51,190	4.2
Architectural and civil drafters	24.25	3.8	970	3.8	50,434	3.8
Electrical and electronics drafters	26.79	6.4	1,072	6.4	55,730	6.4
Engineering technicians, except drafters	28.66	4.8	1,146	4.7	58,520	4.7
Aerospace engineering and operations technicians	29.41	3.1	1,176	3.1	61,164	3.1
Electrical and electronic engineering technicians	26.77	4.1	1,071	4.1	55,685	4.1
Life, physical, and social science occupations						
Life scientists	34.53	7.9	1,393	8.6	72,384	8.6
Biological scientists	34.13	14.4	1,361	15.0	70,750	15.0
Biochemists and biophysicists	34.88	13.2	1,388	14.3	72,195	14.3
Biochemists and biophysicists	35.20	18.1	1,394	19.2	72,491	19.2
Medical scientists	27.29	22.0	1,092	22.0	56,766	22.0
Physical scientists	36.93	7.9	1,481	8.0	77,030	8.0
Chemists and materials scientists	28.81	7.8	1,160	7.2	60,298	7.2
Chemists	28.72	8.0	1,156	7.4	60,099	7.4
Environmental scientists and geoscientists	38.05	8.4	1,526	8.3	79,327	8.3
Environmental scientists and geoscientists, except hydrologists and geographers	37.84	10.1	1,518	10.1	78,923	10.1
Geoscientists, except hydrologists and geographers	38.92	10.2	1,557	10.2	80,945	10.2
Market and survey researchers	43.29	6.3	1,928	3.5	100,238	3.5
Market research analysts	43.33	6.4	1,930	3.5	100,378	3.5
Psychologists	33.70	13.7	1,052	13.6	52,054	13.6

See footnotes at end of table.

RSE Table 12

**Full-time¹ private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Life, physical, and social science occupations						
–Continued						
Clinical, counseling, and school psychologists	\$33.70	13.7%	\$1,052	13.6%	\$52,054	13.6%
Biological technicians	22.29	8.2	881	8.5	45,822	8.5
Community and social services occupations	19.76	5.9	783	6.5	40,080	6.5
Counselors	16.92	11.4	655	11.4	33,881	11.4
Educational, vocational, and school counselors	26.20	14.8	1,019	13.4	51,572	13.4
Rehabilitation counselors	11.66	6.4	443	7.5	23,030	7.5
Social workers	22.95	9.4	923	9.8	47,567	9.8
Child, family, and school social workers ..	17.63	7.3	705	7.3	35,427	7.3
Medical and public health social workers Mental health and substance abuse social workers	29.76	6.5	1,186	6.7	61,675	6.7
Miscellaneous community and social service specialists	21.06	7.6	885	4.6	46,031	4.6
Social and human service assistants	18.63	7.3	734	7.3	37,228	7.3
Social and human service assistants	15.29	3.5	604	3.9	30,174	3.9
Legal occupations	52.17	9.4	2,162	13.3	112,439	13.3
Lawyers	66.20	4.7	2,845	5.9	147,942	5.9
Paralegals and legal assistants	28.00	2.1	1,086	2.3	56,477	2.3
Miscellaneous legal support workers	27.23	15.1	1,081	15.6	56,230	15.6
Title examiners, abstractors, and searchers	28.07	15.4	1,123	15.4	58,395	15.4
Education, training, and library occupations	24.44	6.4	955	6.4	44,790	6.4
Postsecondary teachers	46.63	7.9	1,817	7.5	81,884	7.5
Social sciences teachers, postsecondary	47.42	7.6	1,888	7.8	73,513	7.8
Health teachers, postsecondary	51.51	25.8	2,059	25.8	105,852	25.8
Health specialties teachers, postsecondary	63.39	26.1	2,536	26.1	130,394	26.1
Arts, communications, and humanities teachers, postsecondary	38.24	2.2	1,399	4.0	55,768	4.0
English language and literature teachers, postsecondary	38.60	5.6	1,444	1.4	60,293	1.4
Miscellaneous postsecondary teachers	35.57	6.4	1,391	6.8	66,001	6.8
Primary, secondary, and special education school teachers	18.00	8.7	704	8.8	32,681	8.8
Preschool and kindergarten teachers	13.39	8.0	528	8.5	26,155	8.5
Preschool teachers, except special education	12.92	9.3	511	9.8	25,195	9.8
Elementary and middle school teachers	27.50	5.2	1,042	6.8	41,726	6.8

See footnotes at end of table.

RSE Table 12

**Full-time¹ private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Education, training, and library occupations –Continued						
Elementary school teachers, except special education	\$25.94	6.0%	\$974	8.0%	\$40,535	8.0%
Middle school teachers, except special and vocational education	30.46	5.6	1,176	6.6	43,813	6.6
Secondary school teachers	32.63	7.7	1,302	7.7	52,847	7.7
Secondary school teachers, except special and vocational education	33.08	7.3	1,319	7.3	53,202	7.3
Special education teachers	25.54	25.1	950	27.7	40,016	27.7
Other teachers and instructors	31.03	15.4	1,238	15.6	62,768	15.6
Librarians	34.58	5.4	1,357	4.5	70,364	4.5
Teacher assistants	10.76	2.4	427	2.5	20,885	2.5
Arts, design, entertainment, sports, and media occupations	30.52	11.8	1,228	11.2	63,625	11.2
Artists and related workers	21.29	5.8	849	5.8	44,123	5.8
Designers	26.12	8.0	1,033	7.3	53,728	7.3
Graphic designers	23.32	9.6	929	9.7	48,314	9.7
Interior designers	27.90	5.8	1,072	3.5	55,732	3.5
Actors, producers, and directors	49.14	7.0	2,068	10.5	107,515	10.5
Producers and directors	49.14	7.0	2,068	10.5	107,515	10.5
Public relations specialists	26.13	7.9	1,028	9.2	53,449	9.2
Writers and editors	31.20	6.4	1,234	6.1	62,188	6.1
Technical writers	36.86	2.7	1,446	2.8	75,185	2.8
Broadcast and sound engineering technicians and radio operators	33.14	19.2	1,460	21.9	75,942	21.9
Photographers	15.29	29.3	636	33.0	33,065	33.0
Healthcare practitioner and technical occupations	32.67	2.3	1,278	2.0	66,437	2.0
Dietitians and nutritionists	28.26	6.3	1,129	7.2	58,701	7.2
Pharmacists	51.09	1.3	2,038	1.2	105,992	1.2
Physicians and surgeons	63.22	8.2	2,537	8.3	131,908	8.3
Physician assistants	44.97	18.3	1,799	18.3	93,535	18.3
Registered nurses	36.87	2.2	1,433	2.2	74,509	2.2
Therapists	36.70	8.5	1,453	8.5	75,329	8.5
Occupational therapists	41.06	14.5	1,642	14.5	85,408	14.5
Physical therapists	39.69	12.7	1,577	12.9	81,998	12.9
Respiratory therapists	27.83	1.8	1,072	3.2	55,754	3.2
Clinical laboratory technologists and technicians	22.87	8.5	912	8.5	47,410	8.5
Medical and clinical laboratory technologists	32.97	4.4	1,314	4.4	68,330	4.4

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Healthcare practitioner and technical occupations –Continued						
Medical and clinical laboratory technicians	\$18.83	3.6%	\$751	3.5%	\$39,027	3.5%
Dental hygienists	36.75	11.0	1,177	10.9	61,227	10.9
Diagnostic related technologists and technicians	29.10	6.3	1,163	6.3	60,475	6.3
Cardiovascular technologists and technicians	32.06	8.9	1,282	8.9	66,683	8.9
Radiologic technologists and technicians ..	28.31	7.4	1,131	7.4	58,834	7.4
Emergency medical technicians and paramedics	16.52	4.4	660	4.4	34,314	4.4
Health diagnosing and treating practitioner support technicians	19.00	3.3	741	3.8	38,548	3.8
Pharmacy technicians	17.18	5.1	668	6.1	34,717	6.1
Surgical technologists	22.03	2.8	864	2.2	44,948	2.2
Licensed practical and licensed vocational nurses	21.33	1.8	834	2.3	43,377	2.3
Medical records and health information technicians	14.45	4.9	578	4.9	30,056	4.9
Miscellaneous health technologists and technicians	19.64	11.5	773	11.9	40,180	11.9
Healthcare support occupations	14.08	3.2	546	3.2	28,365	3.2
Nursing, psychiatric, and home health aides	11.61	4.1	453	4.4	23,551	4.4
Home health aides	10.23	10.0	386	10.8	20,070	10.8
Nursing aides, orderlies, and attendants	11.65	3.9	455	4.3	23,642	4.3
Psychiatric aides	13.00	6.4	520	6.4	27,033	6.4
Occupational therapist assistants and aides ...	18.63	2.5	745	2.5	38,745	2.5
Occupational therapist aides	18.63	2.5	745	2.5	38,745	2.5
Physical therapist assistants and aides	16.57	28.6	663	28.6	34,470	28.6
Physical therapist assistants	31.04	28.2	1,242	28.2	64,567	28.2
Miscellaneous healthcare support occupations	15.90	2.3	611	1.1	31,765	1.1
Dental assistants	18.10	4.9	646	5.1	33,614	5.1
Medical assistants	14.69	4.8	578	4.2	30,061	4.2
Medical transcriptionists	19.74	10.6	789	10.6	41,053	10.6
Pharmacy aides	17.31	4.4	692	4.4	36,001	4.4
Protective service occupations	12.68	6.1	503	6.4	26,138	6.4
Security guards and gaming surveillance officers	12.28	7.2	487	7.5	25,306	7.5
Security guards	12.28	7.2	487	7.5	25,306	7.5
Miscellaneous protective service workers	12.44	7.1	468	9.3	24,201	9.3

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Food preparation and serving related occupations	\$10.77	1.9%	\$415	2.0%	\$21,504	2.0%
First-line supervisors/managers, food preparation and serving workers	17.07	4.6	697	5.1	35,911	5.1
Chefs and head cooks	20.39	4.9	829	5.7	41,982	5.7
First-line supervisors/managers of food preparation and serving workers	16.37	5.2	669	5.8	34,591	5.8
Cooks	11.68	2.2	456	2.4	23,675	2.4
Cooks, fast food	9.06	4.7	345	5.9	17,920	5.9
Cooks, institution and cafeteria	13.21	6.7	528	6.7	27,349	6.7
Cooks, restaurant	11.78	3.4	458	3.5	23,809	3.5
Cooks, short order	10.79	8.7	422	8.1	21,946	8.1
Food preparation workers	10.21	6.6	402	6.7	20,904	6.7
Food service, tipped	8.13	1.0	300	1.0	15,511	1.0
Bartenders	8.79	4.3	320	5.7	16,635	5.7
Waiters and waitresses	7.79	2.0	286	2.6	14,695	2.6
Dining room and cafeteria attendants and bartender helpers	8.35	2.2	318	4.5	16,541	4.5
Fast food and counter workers	9.39	1.8	363	2.2	18,859	2.2
Combined food preparation and serving workers, including fast food	9.39	3.3	365	3.8	18,998	3.8
Counter attendants, cafeteria, food concession, and coffee shop	9.38	6.1	354	8.4	18,389	8.4
Food servers, nonrestaurant	10.10	6.7	402	6.6	20,889	6.6
Dishwashers	9.56	4.4	371	4.3	19,278	4.3
Hosts and hostesses, restaurant, lounge, and coffee shop	11.00	9.0	356	15.0	18,529	15.0
Building and grounds cleaning and maintenance occupations	12.37	1.7	487	2.2	25,241	2.2
First-line supervisors/managers, building and grounds cleaning and maintenance workers	17.04	6.5	691	5.4	35,931	5.4
First-line supervisors/managers of housekeeping and janitorial workers ...	16.79	6.7	682	5.6	35,480	5.6
Building cleaning workers	11.57	4.2	455	4.7	23,592	4.7
Janitors and cleaners, except maids and housekeeping cleaners	12.13	4.7	482	4.9	25,011	4.9
Maids and housekeeping cleaners	10.09	2.7	387	2.6	20,008	2.6
Pest control workers	16.58	10.9	656	9.0	34,106	9.0
Grounds maintenance workers	12.78	6.0	496	5.6	25,772	5.6
Landscaping and groundskeeping workers	12.59	6.6	494	5.9	25,705	5.9
Personal care and service occupations	13.35	4.1	484	4.2	24,427	4.2

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Personal care and service occupations						
–Continued						
First-line supervisors/managers of personal service workers	\$17.60	2.8%	\$696	2.9%	\$35,258	2.9%
Gaming services workers	8.63	2.4	309	5.2	16,080	5.2
Miscellaneous entertainment attendants and related workers	9.66	4.7	378	5.7	18,741	5.7
Amusement and recreation attendants	9.44	6.2	378	6.2	18,221	6.2
Barbers and cosmetologists	11.03	16.6	394	16.4	20,508	16.4
Hairdressers, hairstylists, and cosmetologists	11.03	16.6	394	16.4	20,508	16.4
Baggage porters, bellhops, and concierges	10.68	11.4	422	11.3	21,960	11.3
Baggage porters and bellhops	9.36	11.9	373	12.0	19,410	12.0
Concierges	11.89	19.3	466	19.1	24,244	19.1
Tour and travel guides	13.63	13.5	405	24.0	9,615	24.0
Tour guides and escorts	13.63	13.5	405	24.0	9,615	24.0
Transportation attendants	26.90	11.7	632	7.9	32,687	7.9
Flight attendants	32.13	10.4	641	9.3	33,313	9.3
Child care workers	11.31	5.6	443	5.7	22,449	5.7
Personal and home care aides	10.38	3.1	406	2.4	21,095	2.4
Recreation and fitness workers	18.11	11.8	701	12.2	36,436	12.2
Fitness trainers and aerobics instructors	20.72	5.2	798	6.6	41,472	6.6
Recreation workers	13.68	15.4	534	15.4	27,764	15.4
Sales and related occupations	22.70	3.0	906	2.8	47,104	2.8
First-line supervisors/managers, sales workers	25.32	5.2	1,051	6.2	54,634	6.2
First-line supervisors/managers of retail sales workers	22.92	6.2	957	7.6	49,743	7.6
First-line supervisors/managers of non-retail sales workers	34.54	5.7	1,401	5.3	72,850	5.3
Retail sales workers	15.00	4.4	591	4.6	30,754	4.6
Cashiers, all workers	12.07	3.2	473	3.0	24,611	3.0
Cashiers	12.08	3.2	474	3.1	24,624	3.1
Counter and rental clerks and parts salespersons	15.17	5.8	606	5.8	31,488	5.8
Counter and rental clerks	12.52	5.9	501	5.9	26,035	5.9
Parts salespersons	17.05	5.3	679	5.7	35,333	5.7
Retail salespersons	16.63	5.7	656	6.1	34,104	6.1
Advertising sales agents	25.65	16.0	999	14.7	51,944	14.7
Insurance sales agents	38.89	22.5	1,549	22.1	80,527	22.1
Securities, commodities, and financial services sales agents	67.41	27.8	2,696	27.8	140,198	27.8

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Sales and related occupations –Continued						
Sales representatives, wholesale and manufacturing	\$30.15	5.3%	\$1,224	5.0%	\$63,666	5.0%
Sales representatives, wholesale and manufacturing, technical and scientific products	36.84	5.4	1,476	5.4	76,734	5.4
Sales representatives, wholesale and manufacturing, except technical and scientific products	27.32	8.5	1,116	8.1	58,031	8.1
Models, demonstrators, and product promoters	17.92	12.6	712	12.4	37,015	12.4
Demonstrators and product promoters	17.92	12.6	712	12.4	37,015	12.4
Real estate brokers and sales agents	43.91	35.8	1,756	35.8	91,326	35.8
Real estate sales agents	43.91	35.8	1,756	35.8	91,326	35.8
Sales engineers	38.70	16.2	1,561	16.5	81,170	16.5
Miscellaneous sales and related workers	26.06	26.3	1,032	26.5	53,684	26.5
Office and administrative support occupations						
First-line supervisors/managers of office and administrative support workers	24.42	2.6	977	2.5	50,750	2.5
Switchboard operators, including answering service	12.74	7.2	509	7.2	26,474	7.2
Financial clerks	16.64	1.6	663	1.5	34,486	1.5
Bill and account collectors	18.19	11.3	727	11.3	37,826	11.3
Billing and posting clerks and machine operators	16.11	4.6	641	4.5	33,342	4.5
Bookkeeping, accounting, and auditing clerks	17.06	2.5	681	2.5	35,430	2.5
Payroll and timekeeping clerks	17.09	4.1	683	4.1	35,538	4.1
Procurement clerks	17.01	10.7	643	7.9	33,449	7.9
Tellers	13.72	1.9	547	2.1	28,454	2.1
Brokerage clerks	19.91	4.4	796	4.4	41,412	4.4
Credit authorizers, checkers, and clerks	16.19	10.2	648	10.2	33,676	10.2
Customer service representatives	18.35	4.9	731	4.9	38,034	4.9
File clerks	14.81	5.0	588	4.9	30,597	4.9
Hotel, motel, and resort desk clerks	10.50	4.5	409	5.7	21,250	5.7
Interviewers, except eligibility and loan	16.90	10.6	672	10.7	34,945	10.7
Library assistants, clerical	16.35	2.6	653	2.7	33,823	2.7
Loan interviewers and clerks	16.63	7.2	663	7.2	34,477	7.2
Order clerks	17.14	5.3	684	5.1	35,568	5.1
Human resources assistants, except payroll and timekeeping	19.02	4.0	756	3.9	39,322	3.9
Receptionists and information clerks	14.09	3.1	558	3.0	28,980	3.0

See footnotes at end of table.

RSE Table 12

**Full-time¹ private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Office and administrative support occupations –Continued						
Reservation and transportation ticket agents and travel clerks	\$15.80	8.1%	\$632	8.1%	\$32,870	8.1%
Couriers and messengers	12.47	3.5	499	3.5	25,933	3.5
Dispatchers	17.71	10.8	701	10.2	36,465	10.2
Dispatchers, except police, fire, and ambulance	17.72	11.1	701	10.5	36,465	10.5
Meter readers, utilities	23.75	9.4	950	9.4	49,409	9.4
Production, planning, and expediting clerks	23.70	4.6	951	4.5	49,474	4.5
Shipping, receiving, and traffic clerks	14.56	2.1	582	2.1	30,256	2.1
Stock clerks and order fillers	13.47	6.1	536	6.0	27,895	6.0
Weighers, measurers, checkers, and samplers, recordkeeping	15.02	13.0	601	13.0	31,239	13.0
Secretaries and administrative assistants	21.24	3.3	827	2.8	42,234	2.8
Executive secretaries and administrative assistants	23.86	1.4	951	1.4	49,477	1.4
Legal secretaries	25.62	9.3	992	8.3	51,587	8.3
Medical secretaries	16.75	9.0	627	8.6	32,446	8.6
Secretaries, except legal, medical, and executive	17.68	6.1	680	3.4	33,558	3.4
Computer operators	20.24	6.8	808	6.8	42,038	6.8
Data entry and information processing workers	15.03	7.3	598	7.1	31,113	7.1
Data entry keyers	13.38	3.0	533	2.9	27,723	2.9
Word processors and typists	19.14	11.4	759	11.1	39,475	11.1
Insurance claims and policy processing clerks	17.59	5.5	695	5.7	36,139	5.7
Mail clerks and mail machine operators, except postal service	11.19	11.4	445	11.4	23,121	11.4
Office clerks, general	15.75	3.2	626	2.9	32,518	2.9
Office machine operators, except computer ..	14.73	14.2	584	13.9	30,390	13.9
Farming, fishing, and forestry occupations ..	11.58	30.1	455	30.0	17,346	30.0
Graders and sorters, agricultural products	9.53	9.1	352	13.9	15,072	13.9
Construction and extraction occupations	23.21	3.2	921	3.0	47,006	3.0
First-line supervisors/managers of construction trades and extraction workers	34.44	2.8	1,381	3.0	71,137	3.0
Carpenters	23.20	4.7	928	4.7	47,442	4.7
Carpet, floor, and tile installers and finishers	21.20	28.3	833	29.6	43,331	29.6
Cement masons, concrete finishers, and terrazzo workers	24.33	5.2	973	5.2	47,123	5.2

See footnotes at end of table.

RSE Table 12

**Full-time¹ private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Construction and extraction occupations						
–Continued						
Cement masons and concrete finishers	\$24.33	5.2%	\$973	5.2%	\$47,123	5.2%
Construction laborers	18.26	6.8	707	6.0	35,673	6.0
Construction equipment operators	24.58	8.6	978	8.2	47,374	8.2
Operating engineers and other construction equipment operators	26.42	9.8	1,057	9.8	52,099	9.8
Drywall installers, ceiling tile installers, and tapers	19.81	12.3	792	12.3	40,513	12.3
Drywall and ceiling tile installers	19.36	14.0	774	13.9	39,557	13.9
Tapers	21.32	16.0	853	16.0	43,732	16.0
Electricians	26.22	4.9	1,049	4.9	54,516	4.9
Painters and paperhangers	20.15	13.5	779	16.9	40,523	16.9
Painters, construction and maintenance	20.15	13.5	779	16.9	40,523	16.9
Pipelayers, plumbers, pipefitters, and steamfitters	28.27	3.9	1,131	3.9	58,808	3.9
Pipelayers	29.94	8.3	1,198	8.3	62,278	8.3
Plumbers, pipefitters, and steamfitters	28.07	4.8	1,123	4.8	58,378	4.8
Roofers	23.54	10.3	938	10.7	44,939	10.7
Sheet metal workers	24.16	31.4	911	35.3	47,368	35.3
Structural iron and steel workers	26.06	7.5	1,042	7.5	54,196	7.5
Helpers, construction trades	15.72	3.8	629	3.8	32,550	3.8
Construction and building inspectors	31.24	10.8	1,261	12.4	65,588	12.4
Miscellaneous construction and related workers	16.94	10.3	678	10.3	34,409	10.3
Installation, maintenance, and repair occupations	21.93	2.5	879	2.6	45,561	2.6
First-line supervisors/managers of mechanics, installers, and repairers	27.13	6.5	1,089	6.8	56,631	6.8
Computer, automated teller, and office machine repairers	16.36	35.8	654	35.9	34,013	35.9
Radio and telecommunications equipment installers and repairers	26.17	8.3	1,047	8.3	54,440	8.3
Telecommunications equipment installers and repairers, except line installers	26.17	8.3	1,047	8.3	54,440	8.3
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	26.07	5.4	1,043	5.4	54,147	5.4
Electrical and electronics repairers, commercial and industrial equipment	26.80	14.3	1,072	14.3	55,481	14.3
Aircraft mechanics and service technicians ..	28.19	1.6	1,127	1.6	58,630	1.6
Automotive technicians and repairers	19.57	3.4	783	3.5	40,708	3.5
Automotive body and related repairers	17.71	8.5	708	8.5	36,835	8.5

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Installation, maintenance, and repair occupations –Continued						
Automotive service technicians and mechanics	\$19.74	4.6%	\$790	4.7%	\$41,062	4.7%
Bus and truck mechanics and diesel engine specialists	21.92	5.6	874	5.8	45,445	5.8
Heavy vehicle and mobile equipment service technicians and mechanics	21.26	7.7	850	7.7	44,210	7.7
Mobile heavy equipment mechanics, except engines	21.79	7.6	871	7.6	45,314	7.6
Rail car repairers	26.48	1.2	1,059	1.2	55,088	1.2
Miscellaneous vehicle and mobile equipment mechanic, installers, and repairers	11.69	3.6	468	3.6	24,316	3.6
Tire repairers and changers	11.66	3.8	466	3.8	24,245	3.8
Control and valve installers and repairers	25.33	2.8	1,013	2.8	52,695	2.8
Control and valve installers and repairers, except mechanical door	25.33	2.8	1,013	2.8	52,695	2.8
Heating, air conditioning, and refrigeration mechanics and installers	25.45	11.9	1,074	14.8	55,830	14.8
Industrial machinery installation, repair, and maintenance workers	21.47	4.4	857	4.6	43,918	4.6
Industrial machinery mechanics	23.44	3.6	936	3.6	48,696	3.6
Maintenance and repair workers, general ..	20.27	4.2	807	4.2	40,398	4.2
Maintenance workers, machinery	20.84	15.1	833	15.1	43,337	15.1
Line installers and repairers	28.14	3.9	1,125	3.9	58,523	3.9
Electrical power-line installers and repairers	35.72	7.1	1,429	7.1	74,294	7.1
Precision instrument and equipment repairers	26.96	8.2	1,078	8.2	56,074	8.2
Miscellaneous installation, maintenance, and repair workers	15.55	5.9	622	5.9	32,245	5.9
Helpers--installation, maintenance, and repair workers	12.14	4.8	486	4.8	25,103	4.8
Production occupations	16.10	2.0	640	2.1	33,128	2.1
First-line supervisors/managers of production and operating workers	26.00	4.7	1,049	4.9	54,523	4.9
Electrical, electronics, and electromechanical assemblers	13.70	7.0	544	7.6	28,294	7.6
Electrical and electronic equipment assemblers	13.31	7.0	528	7.7	27,447	7.7
Electromechanical equipment assemblers	15.32	15.5	613	15.5	31,866	15.5
Structural metal fabricators and fitters	14.53	6.1	581	6.1	30,226	6.1
Miscellaneous assemblers and fabricators	14.45	4.7	578	4.6	29,999	4.6

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Production occupations –Continued						
Team assemblers	\$11.62	12.5%	\$465	12.5%	\$24,164	12.5%
Bakers	11.46	5.3	453	5.6	23,556	5.6
Butchers and other meat, poultry, and fish processing workers	18.50	5.7	736	5.7	38,287	5.7
Butchers and meat cutters	19.57	4.0	778	4.0	40,445	4.0
Miscellaneous food processing workers	11.41	5.8	456	5.8	23,590	5.8
Food batchmakers	10.58	7.4	422	7.5	21,797	7.5
Computer control programmers and operators	18.05	11.2	722	11.2	37,534	11.2
Computer-controlled machine tool operators, metal and plastic	17.64	12.8	705	12.8	36,681	12.8
Forming machine setters, operators, and tenders, metal and plastic	14.62	11.3	585	11.3	30,411	11.3
Machine tool cutting setters, operators, and tenders, metal and plastic	13.37	6.5	531	5.8	27,630	5.8
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	14.76	4.2	579	5.4	30,123	5.4
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	11.66	8.5	466	8.5	24,250	8.5
Machinists	22.66	3.1	906	3.1	47,134	3.1
Molders and molding machine setters, operators, and tenders, metal and plastic	14.00	20.8	503	27.6	26,167	27.6
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	13.56	25.0	480	32.5	24,935	32.5
Multiple machine tool setters, operators, and tenders, metal and plastic	13.93	4.2	557	4.2	28,970	4.2
Tool and die makers	23.79	6.2	951	6.2	49,473	6.2
Welding, soldering, and brazing workers	19.12	4.6	765	4.6	39,776	4.6
Welders, cutters, solderers, and brazers	19.14	6.3	765	6.3	39,805	6.3
Welding, soldering, and brazing machine setters, operators, and tenders	19.01	16.7	761	16.7	39,548	16.7
Miscellaneous metalworkers and plastic workers	18.49	10.7	739	10.7	38,453	10.7
Plating and coating machine setters, operators, and tenders, metal and plastic	18.65	14.1	746	14.1	38,797	14.1
Bookbinders and bindery workers	14.19	19.7	499	21.1	25,353	21.1
Printers	17.80	5.0	707	5.0	36,732	5.0
Job printers	17.00	11.7	672	11.9	34,949	11.9
Prepress technicians and workers	18.21	11.8	719	12.3	37,363	12.3

See footnotes at end of table.

RSE Table 12

**Full-time¹ private industry workers: Relative standard errors
of mean hourly, weekly, and annual earnings — Continued**

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Production occupations –Continued						
Printing machine operators	\$17.88	3.7%	\$714	3.7%	\$37,084	3.7%
Laundry and dry-cleaning workers	9.82	4.8	387	4.8	20,144	4.8
Sewing machine operators	8.54	8.6	334	8.2	17,384	8.2
Textile machine setters, operators, and tenders	10.41	5.4	416	5.4	21,643	5.4
Textile cutting machine setters, operators, and tenders	10.43	5.7	417	5.7	21,704	5.7
Miscellaneous textile, apparel, and furnishings workers	15.17	26.4	607	26.4	31,562	26.4
Cabinetmakers and bench carpenters	13.48	5.2	539	5.2	28,029	5.2
Woodworking machine setters, operators, and tenders	12.61	7.9	504	7.9	26,166	7.9
Sawing machine setters, operators, and tenders, wood	13.32	7.4	533	7.4	27,605	7.4
Woodworking machine setters, operators, and tenders, except sawing	11.20	10.7	448	10.7	23,303	10.7
Stationary engineers and boiler operators	27.70	8.6	1,066	5.7	55,421	5.7
Miscellaneous plant and system operators	29.54	2.4	1,133	5.1	58,933	5.1
Petroleum pump system operators, refinery operators, and gaugers	30.24	3.3	1,198	3.7	62,292	3.7
Chemical processing machine setters, operators, and tenders	19.35	13.4	734	13.1	38,152	13.1
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	21.54	18.6	846	17.6	43,979	17.6
Crushing, grinding, polishing, mixing, and blending workers	16.01	13.4	641	13.4	30,941	13.4
Mixing and blending machine setters, operators, and tenders	15.17	13.6	607	13.6	28,043	13.6
Cutting workers	12.84	12.3	488	7.8	24,638	7.8
Cutting and slicing machine setters, operators, and tenders	12.93	12.9	491	8.1	24,730	8.1
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	16.03	19.2	641	19.2	33,349	19.2
Inspectors, testers, sorters, samplers, and weighers	15.86	3.2	625	4.1	32,204	4.1
Packaging and filling machine operators and tenders	13.23	10.0	527	9.7	26,970	9.7
Painting workers	14.97	12.7	598	12.8	31,073	12.8
Coating, painting, and spraying machine setters, operators, and tenders	14.28	14.8	568	15.1	29,532	15.1
Painters, transportation equipment	18.80	10.4	752	10.4	39,101	10.4

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Production occupations –Continued						
Photographic process workers and processing machine operators	\$21.26	9.2%	\$806	7.8%	\$41,013	7.8%
Photographic process workers	26.63	6.8	970	4.6	49,421	4.6
Semiconductor processors	15.11	11.6	604	11.6	31,392	11.6
Miscellaneous production workers	13.42	8.1	533	7.8	27,643	7.8
Paper goods machine setters, operators, and tenders	20.36	8.9	797	11.0	41,432	11.0
Helpers--production workers	10.04	2.8	401	2.8	20,867	2.8
Transportation and material moving occupations						
First-line supervisors/managers of helpers, laborers, and material movers, hand	16.17	2.9	641	3.0	33,067	3.0
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	20.47	8.8	819	8.9	42,608	8.9
Aircraft pilots and flight engineers	27.43	9.5	1,100	9.5	57,193	9.5
Airline pilots, copilots, and flight engineers	113.30	9.7	2,357	8.8	122,539	8.8
Bus drivers	115.09	9.5	2,373	8.8	123,398	8.8
Bus drivers, transit and intercity	14.99	3.6	586	2.8	29,222	2.8
Driver/sales workers and truck drivers	15.03	3.7	587	3.0	30,186	3.0
Driver/sales workers	17.98	3.5	722	4.0	37,325	4.0
Truck drivers, heavy and tractor-trailer	18.86	16.2	754	16.2	39,232	16.2
Truck drivers, light or delivery services	19.37	2.2	780	2.8	40,169	2.8
Taxi drivers and chauffeurs	15.90	5.3	635	5.4	33,013	5.4
Locomotive engineers and operators	11.42	11.9	457	11.9	23,739	11.9
Locomotive engineers	36.50	6.2	1,460	6.2	75,913	6.2
Railroad brake, signal, and switch operators	38.32	2.6	1,533	2.6	79,698	2.6
Parking lot attendants	30.06	4.1	1,202	4.1	62,529	4.1
Service station attendants	9.05	13.4	362	13.4	18,827	13.4
Crane and tower operators	9.16	.8	365	1.1	18,985	1.1
Dredge, excavating, and loading machine operators	32.90	5.1	1,308	5.5	68,004	5.5
Excavating and loading machine and dragline operators	24.02	5.6	961	5.6	49,954	5.6
Industrial truck and tractor operators	23.63	6.8	945	6.8	49,149	6.8
Laborers and material movers, hand	14.54	2.9	580	2.8	30,165	2.8
Cleaners of vehicles and equipment	12.05	1.7	479	1.5	24,602	1.5
	11.49	2.2	460	2.2	23,765	2.2

See footnotes at end of table.

RSE Table 12

Full-time¹ private industry workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation ²	Hourly earnings ³		Weekly earnings ⁵		Annual earnings ⁶	
	Mean	Relative error ⁴	Mean	Relative error ⁴	Mean	Relative error ⁴
Transportation and material moving occupations –Continued						
Laborers and freight, stock, and material movers, hand	\$12.97	1.5%	\$516	1.4%	\$26,612	1.4%
Packers and packagers, hand	9.89	5.2	390	4.8	19,567	4.8

¹ Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

² A classification system including about 800 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

³ 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.

⁴ 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.

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

⁶ 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.