

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>All workers</b> .....	\$28.03	1.6%	\$1,104	1.7%	\$56,942	1.7%
<b>Management occupations</b> .....	49.54	6.3	1,968	6.6	102,331	6.6
General and operations managers .....	71.00	16.2	2,857	18.5	148,563	18.5
Marketing and sales managers .....	53.41	11.9	2,169	12.4	112,766	12.4
Marketing managers .....	61.81	8.6	2,568	8.5	133,543	8.5
Sales managers .....	37.00	7.1	1,438	8.9	74,785	8.9
Administrative services managers .....	42.21	7.7	1,677	8.3	87,216	8.3
Computer and information systems managers .....	54.90	7.5	2,182	6.0	113,466	6.0
Financial managers .....	56.62	5.4	2,299	8.2	119,550	8.2
Purchasing managers .....	39.14	15.6	1,525	15.8	79,283	15.8
Transportation, storage, and distribution managers .....	28.98	18.8	1,127	18.3	58,615	18.3
Construction managers .....	42.19	14.1	1,770	15.1	92,033	15.1
Education administrators .....	40.03	5.8	1,440	5.4	74,828	5.4
Education administrators, postsecondary ..	42.54	4.8	1,532	3.7	79,667	3.7
Engineering managers .....	53.17	3.7	2,167	2.4	112,684	2.4
Medical and health services managers .....	48.72	10.4	1,979	7.9	102,899	7.9
<b>Business and financial operations occupations</b> .....	34.14	2.2	1,356	3.0	70,504	3.0
Buyers and purchasing agents .....	35.51	11.8	1,440	12.7	74,868	12.7
Purchasing agents, except wholesale, retail, and farm products .....	37.13	12.9	1,504	14.1	78,196	14.1
Claims adjusters, appraisers, examiners, and investigators .....	27.22	5.7	1,049	5.1	54,524	5.1
Claims adjusters, examiners, and investigators .....	27.77	8.7	1,071	8.3	55,681	8.3
Human resources, training, and labor relations specialists .....	30.27	7.5	1,191	11.0	61,917	11.0
Employment, recruitment, and placement specialists .....	30.66	19.9	1,159	29.6	60,243	29.6
Compensation, benefits, and job analysis specialists .....	29.81	4.2	1,199	6.2	62,362	6.2
Training and development specialists .....	30.80	11.6	1,234	11.0	64,154	11.0
Management analysts .....	41.42	5.0	1,644	5.6	85,487	5.6
Accountants and auditors .....	25.64	4.9	976	5.2	50,777	5.2
Financial analysts and advisors .....	42.09	12.2	1,766	9.1	91,840	9.1
Financial analysts .....	42.37	12.5	1,847	2.9	96,025	2.9
Insurance underwriters .....	47.53	26.6	1,818	29.1	94,522	29.1
<b>Computer and mathematical science occupations</b> .....	39.99	1.9	1,579	1.8	81,820	1.8

See footnotes at end of table.

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Computer and mathematical science occupations –Continued</b>						
Computer programmers .....	\$33.46	7.0%	\$1,320	7.3%	\$68,622	7.3%
Computer software engineers .....	46.11	2.8	1,845	3.1	95,928	3.1
Computer software engineers, applications	45.17	5.3	1,815	5.6	94,369	5.6
Computer software engineers, systems software .....	46.73	4.3	1,865	4.4	96,962	4.4
Computer support specialists .....	30.99	7.3	1,210	7.6	62,934	7.6
Computer systems analysts .....	38.81	4.4	1,529	4.8	79,530	4.8
Network and computer systems administrators .....	40.64	3.7	1,637	3.8	85,133	3.8
Network systems and data communications analysts .....	35.25	8.4	1,357	5.8	70,574	5.8
Actuaries .....	44.81	13.6	1,693	13.2	88,018	13.2
<b>Architecture and engineering occupations ....</b>	38.99	2.4	1,598	2.5	83,080	2.5
Engineers .....	42.83	1.8	1,747	1.8	90,848	1.8
Aerospace engineers .....	48.37	4.7	1,983	4.5	103,091	4.5
Computer hardware engineers .....	49.59	1.3	1,984	1.3	103,154	1.3
Electrical and electronics engineers .....	42.37	3.7	1,750	2.5	91,003	2.5
Electrical engineers .....	39.62	8.6	1,679	5.5	87,331	5.5
Electronics engineers, except computer	43.09	5.9	1,768	4.3	91,934	4.3
Industrial engineers, including health and safety .....	37.89	7.0	1,554	6.8	80,816	6.8
Industrial engineers .....	38.82	7.2	1,596	6.7	83,007	6.7
Mechanical engineers .....	42.42	7.5	1,709	7.6	88,885	7.6
Drafters .....	28.87	5.0	1,155	5.0	60,058	5.0
Engineering technicians, except drafters .....	26.03	5.1	1,041	5.1	54,151	5.1
Electrical and electronic engineering technicians .....	26.76	4.8	1,071	4.8	55,670	4.8
Industrial engineering technicians .....	26.15	10.2	1,046	10.2	54,396	10.2
<b>Life, physical, and social science occupations</b>	34.77	23.1	1,374	23.8	71,296	23.8
Physical scientists .....	47.74	8.2	1,923	8.9	100,007	8.9
Chemists and materials scientists .....	47.74	8.2	1,923	8.9	100,007	8.9
Materials scientists .....	45.63	6.7	1,851	6.8	96,274	6.8
Market and survey researchers .....	49.92	16.9	2,043	16.4	106,254	16.4
Market research analysts .....	49.92	16.9	2,043	16.4	106,254	16.4
<b>Community and social services occupations</b>	18.33	5.7	719	5.9	37,113	5.9
Counselors .....	19.46	9.3	755	8.3	38,187	8.3
Social workers .....	18.10	6.4	724	6.4	37,601	6.4
Medical and public health social workers	25.23	10.9	1,009	10.9	52,472	10.9

See footnotes at end of table.

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Community and social services occupations</b> –Continued						
Mental health and substance abuse social workers .....	\$16.97	7.2%	\$679	7.2%	\$35,288	7.2%
<b>Legal occupations</b> .....	64.66	9.3	2,478	8.3	128,832	8.3
Lawyers .....	85.43	6.9	3,375	6.1	175,507	6.1
Paralegals and legal assistants .....	27.64	2.1	1,016	4.5	52,843	4.5
<b>Education, training, and library occupations</b>	40.34	5.1	1,539	6.6	66,611	6.6
Postsecondary teachers .....	54.04	4.2	2,072	5.6	87,200	5.6
Math and computer teachers, postsecondary .....	59.90	9.4	2,290	7.9	83,519	7.9
Mathematical science teachers, postsecondary .....	59.90	9.4	2,290	7.9	83,519	7.9
Life sciences teachers, postsecondary .....	51.63	3.5	2,256	5.2	110,452	5.2
Biological science teachers, postsecondary .....	51.63	3.5	2,256	5.2	110,452	5.2
Physical sciences teachers, postsecondary .....	65.80	13.9	2,539	12.8	112,701	12.8
Social sciences teachers, postsecondary ....	54.74	7.1	2,042	4.2	89,572	4.2
Arts, communications, and humanities teachers, postsecondary .....	47.13	19.2	1,689	18.5	62,332	18.5
English language and literature teachers, postsecondary .....	67.22	24.9	2,304	18.5	97,482	18.5
Miscellaneous postsecondary teachers .....	47.28	9.0	1,743	8.7	71,852	8.7
Primary, secondary, and special education school teachers .....	26.95	16.6	1,046	17.3	43,598	17.3
Elementary and middle school teachers ....	41.46	10.0	1,542	7.5	57,215	7.5
Secondary school teachers .....	35.49	6.8	1,428	6.9	53,764	6.9
Secondary school teachers, except special and vocational education ....	35.49	6.8	1,428	6.9	53,764	6.9
Librarians .....	22.70	9.2	889	8.3	45,742	8.3
<b>Arts, design, entertainment, sports, and media occupations</b> .....	30.30	6.8	1,167	5.1	60,641	5.1
Designers .....	28.95	6.5	1,133	5.9	58,926	5.9
Athletes, coaches, umpires, and related workers .....	28.52	4.9	1,121	7.1	57,486	7.1
Public relations specialists .....	31.19	2.9	1,203	.8	62,532	.8
Writers and editors .....	40.10	2.1	1,513	2.8	78,664	2.8
Technical writers .....	43.34	4.3	1,774	4.9	92,268	4.9

See footnotes at end of table.

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Healthcare practitioner and technical occupations</b> .....	\$30.92	3.4%	\$1,187	3.7%	\$61,602	3.7%
Pharmacists .....	48.08	2.6	1,887	3.2	98,149	3.2
Physicians and surgeons .....	47.81	30.0	1,922	30.0	99,927	30.0
Registered nurses .....	35.60	3.1	1,309	3.2	68,078	3.2
Therapists .....	31.81	5.1	1,268	5.1	65,961	5.1
Physical therapists .....	31.41	2.6	1,252	2.4	65,111	2.4
Clinical laboratory technologists and technicians .....	21.34	7.1	843	7.2	43,860	7.2
Medical and clinical laboratory technologists .....	23.37	16.0	935	16.0	48,619	16.0
Medical and clinical laboratory technicians .....	18.42	5.9	716	4.4	37,218	4.4
Health diagnosing and treating practitioner support technicians .....	19.62	9.9	776	9.5	39,904	9.5
Licensed practical and licensed vocational nurses .....	24.36	3.4	945	4.5	49,156	4.5
Medical records and health information technicians .....	15.67	3.5	602	5.4	31,305	5.4
<b>Healthcare support occupations</b> .....	14.73	2.7	573	3.5	29,776	3.5
Nursing, psychiatric, and home health aides .....	14.33	2.2	555	3.0	28,873	3.0
Nursing aides, orderlies, and attendants ....	14.33	2.2	555	3.0	28,864	3.0
Psychiatric aides .....	13.93	8.6	536	4.5	27,884	4.5
Miscellaneous healthcare support occupations .....	15.45	3.7	607	3.6	31,561	3.6
<b>Protective service occupations</b> .....	16.64	3.5	663	3.4	34,498	3.4
Security guards and gaming surveillance officers .....	15.79	5.6	631	5.6	32,797	5.6
Security guards .....	15.79	5.6	631	5.6	32,797	5.6
<b>Food preparation and serving related occupations</b> .....	13.30	3.3	512	4.3	26,156	4.3
First-line supervisors/managers, food preparation and serving workers .....	15.98	14.8	636	14.5	31,777	14.5
Cooks .....	15.19	5.9	584	7.3	30,098	7.3
Cooks, institution and cafeteria .....	15.62	6.1	593	8.2	30,507	8.2
Food preparation workers .....	13.00	17.1	517	17.0	26,881	17.0
Food service, tipped .....	10.73	5.4	394	5.2	19,965	5.2
Fast food and counter workers .....	13.56	6.9	517	8.4	25,884	8.4

See footnotes at end of table.

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Building and grounds cleaning and maintenance occupations</b> .....	\$13.10	3.0%	\$520	3.0%	\$27,062	3.0%
First-line supervisors/managers, building and grounds cleaning and maintenance workers .....	17.44	5.4	698	5.4	36,275	5.4
Building cleaning workers .....	12.71	3.2	505	3.3	26,244	3.3
Janitors and cleaners, except maids and housekeeping cleaners .....	13.70	3.5	545	3.5	28,314	3.5
Maids and housekeeping cleaners .....	11.25	8.8	446	9.2	23,190	9.2
Grounds maintenance workers .....	13.89	3.8	549	3.6	28,546	3.6
Landscaping and groundskeeping workers .....	13.89	3.8	549	3.6	28,546	3.6
<b>Personal care and service occupations</b> .....	19.26	11.0	605	5.0	29,104	5.0
<b>Sales and related occupations</b> .....	25.33	10.0	998	9.8	51,787	9.8
First-line supervisors/managers, sales workers .....	23.51	17.9	958	21.3	49,826	21.3
First-line supervisors/managers of retail sales workers .....	23.19	22.3	951	26.7	49,473	26.7
Retail sales workers .....	12.78	3.0	498	2.9	25,818	2.9
Cashiers, all workers .....	11.42	3.2	444	2.9	22,803	2.9
Cashiers .....	11.42	3.2	444	2.9	22,803	2.9
Retail salespersons .....	13.32	4.4	520	4.3	27,031	4.3
Securities, commodities, and financial services sales agents .....	85.71	20.6	3,324	21.8	172,846	21.8
Sales representatives, wholesale and manufacturing .....	32.78	5.2	1,303	5.3	67,768	5.3
Sales representatives, wholesale and manufacturing, technical and scientific products .....	38.76	7.0	1,550	7.0	80,613	7.0
Sales representatives, wholesale and manufacturing, except technical and scientific products .....	22.61	2.1	889	2.2	46,251	2.2
Miscellaneous sales and related workers .....	21.81	34.7	869	34.2	45,172	34.2
<b>Office and administrative support occupations</b> .....	18.08	2.2	708	2.1	36,543	2.1
First-line supervisors/managers of office and administrative support workers .....	25.43	16.1	1,011	18.0	52,595	18.0
Financial clerks .....	17.84	2.3	695	2.2	36,159	2.2
Billing and posting clerks and machine operators .....	15.03	4.0	595	3.8	30,938	3.8

See footnotes at end of table.

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Office and administrative support occupations –Continued</b>						
Bookkeeping, accounting, and auditing clerks .....	\$18.55	6.2%	\$703	5.8%	\$36,547	5.8%
Payroll and timekeeping clerks .....	19.51	5.0	767	4.9	39,860	4.9
Brokerage clerks .....	19.45	7.2	764	5.8	39,749	5.8
Customer service representatives .....	19.84	5.6	777	5.5	40,401	5.5
Receptionists and information clerks .....	13.04	7.5	503	8.3	25,508	8.3
Reservation and transportation ticket agents and travel clerks .....	15.58	9.6	606	11.4	31,511	11.4
Production, planning, and expediting clerks .....	21.95	4.9	873	4.9	45,420	4.9
Shipping, receiving, and traffic clerks .....	14.71	5.2	588	5.2	30,595	5.2
Stock clerks and order fillers .....	14.03	5.2	556	5.2	28,931	5.2
Secretaries and administrative assistants .....	19.78	2.1	768	2.1	39,358	2.1
Executive secretaries and administrative assistants .....	23.37	4.7	918	5.0	47,723	5.0
Medical secretaries .....	16.42	2.7	645	2.6	33,520	2.6
Secretaries, except legal, medical, and executive .....	18.06	4.7	683	4.8	33,792	4.8
Data entry and information processing workers .....	15.68	17.3	602	17.5	29,486	17.5
Data entry keyers .....	14.13	12.1	542	11.9	26,261	11.9
Insurance claims and policy processing clerks .....	17.68	4.6	690	5.1	35,876	5.1
Mail clerks and mail machine operators, except postal service .....	14.89	3.2	580	5.2	30,153	5.2
Office clerks, general .....	17.02	3.4	666	2.9	34,631	2.9
<b>Construction and extraction occupations .....</b>	30.92	5.4	1,236	5.4	64,258	5.4
Electricians .....	30.88	9.4	1,235	9.4	64,235	9.4
Pipelayers, plumbers, pipefitters, and steamfitters .....	32.68	7.2	1,306	7.3	67,913	7.3
Plumbers, pipefitters, and steamfitters .....	32.68	7.2	1,306	7.3	67,913	7.3
<b>Installation, maintenance, and repair occupations .....</b>	26.27	2.1	1,054	2.1	54,793	2.1
First-line supervisors/managers of mechanics, installers, and repairers .....	37.62	9.5	1,656	15.4	86,115	15.4
Radio and telecommunications equipment installers and repairers .....	29.33	1.2	1,170	1.4	60,818	1.4
Telecommunications equipment installers and repairers, except line installers .....	29.33	1.2	1,170	1.4	60,818	1.4

See footnotes at end of table.

RSE Table 16

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Installation, maintenance, and repair occupations –Continued</b>						
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers .....	\$23.48	19.0%	\$939	19.0%	\$48,841	19.0%
Aircraft mechanics and service technicians ..	31.12	4.2	1,245	4.2	64,729	4.2
Heating, air conditioning, and refrigeration mechanics and installers .....	27.76	2.2	1,111	2.2	57,750	2.2
Industrial machinery installation, repair, and maintenance workers .....	21.29	4.4	844	4.8	43,887	4.8
Industrial machinery mechanics .....	22.91	7.1	910	6.8	47,304	6.8
Maintenance and repair workers, general ..	21.29	5.2	840	5.8	43,672	5.8
Maintenance workers, machinery .....	18.15	11.9	726	11.9	37,754	11.9
Line installers and repairers .....	27.46	6.2	1,099	6.2	57,127	6.2
Telecommunications line installers and repairers .....	26.16	10.2	1,046	10.2	54,416	10.2
<b>Production occupations</b> .....	16.21	7.5	647	7.5	33,661	7.5
First-line supervisors/managers of production and operating workers .....	26.74	5.7	1,076	5.4	55,934	5.4
Electrical, electronics, and electromechanical assemblers .....	14.98	7.2	599	7.2	31,163	7.2
Electrical and electronic equipment assemblers .....	17.06	7.8	682	7.8	35,484	7.8
Electromechanical equipment assemblers	13.53	2.4	541	2.4	28,137	2.4
Miscellaneous assemblers and fabricators .....	13.17	4.4	523	4.3	27,220	4.3
Machine tool cutting setters, operators, and tenders, metal and plastic .....	20.84	7.2	833	7.2	43,341	7.2
Machinists .....	22.99	4.4	920	4.4	47,818	4.4
Molders and molding machine setters, operators, and tenders, metal and plastic Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic .....	13.43	6.0	537	6.0	27,944	6.0
Multiple machine tool setters, operators, and tenders, metal and plastic .....	14.96	7.0	598	7.0	31,119	7.0
Miscellaneous metalworkers and plastic workers .....	16.62	6.6	665	6.6	34,573	6.6
Inspectors, testers, sorters, samplers, and weighers .....	15.85	6.8	637	7.0	33,104	7.0
Packaging and filling machine operators and tenders .....	11.61	8.5	464	8.5	24,153	8.5
Miscellaneous production workers .....	12.09	13.0	482	12.8	25,079	12.8

See footnotes at end of table.

**RSE Table 16**

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

Occupation <sup>1</sup>	Hourly earnings <sup>2</sup>		Weekly earnings <sup>4</sup>		Annual earnings <sup>5</sup>	
	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>	Mean	Relative error <sup>3</sup>
<b>Transportation and material moving occupations</b> .....	\$15.08	7.8%	\$599	7.3%	\$31,129	7.3%
Driver/sales workers and truck drivers .....	18.75	9.4	744	8.9	38,652	8.9
Truck drivers, heavy and tractor-trailer .....	21.52	3.0	844	3.5	43,817	3.5
Truck drivers, light or delivery services .....	16.73	16.4	669	16.4	34,802	16.4
Industrial truck and tractor operators .....	17.34	6.0	694	6.0	36,071	6.0
Laborers and material movers, hand .....	11.52	7.0	460	6.9	23,910	6.9
Laborers and freight, stock, and material movers, hand .....	11.92	9.6	476	9.6	24,749	9.6
Machine feeders and offbearers .....	11.79	20.4	469	20.5	24,372	20.5
Packers and packagers, hand .....	10.38	9.8	415	9.8	21,583	9.8

<sup>1</sup> A classification system including about 800 individual occupations is used to cover all workers in the civilian economy. See appendix B for more information.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> Mean weekly earnings are the straight-time weekly wages or salaries paid to employees.

<sup>5</sup> 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.