

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> .....	\$18.00	9.0%	\$722	8.9%	\$37,415	8.9%
<b>Management occupations</b> .....	39.62	4.5	1,620	4.3	84,207	4.3
General and operations managers .....	53.33	10.4	2,296	11.4	119,375	11.4
Marketing and sales managers .....	46.40	21.6	2,042	26.5	106,164	26.5
Marketing managers .....	51.77	30.2	2,197	36.8	114,229	36.8
Sales managers .....	42.93	15.8	1,935	22.0	100,617	22.0
Computer and information systems managers .....	45.74	5.3	1,830	5.3	95,140	5.3
Financial managers .....	39.05	13.2	1,592	13.1	82,788	13.1
Transportation, storage, and distribution managers .....	52.41	16.3	2,440	19.7	126,863	19.7
Education administrators .....	29.50	15.3	1,145	14.2	59,022	14.2
Education administrators, postsecondary ..	31.01	19.7	1,199	16.0	61,540	16.0
Medical and health services managers .....	29.26	10.4	1,163	11.2	60,493	11.2
<b>Business and financial operations occupations</b> .....	25.94	6.0	1,042	5.4	54,208	5.4
Buyers and purchasing agents .....	25.63	10.8	1,025	10.8	53,321	10.8
Wholesale and retail buyers, except farm products .....	26.15	27.2	1,046	27.2	54,394	27.2
Cost estimators .....	27.77	4.2	1,111	4.2	57,764	4.2
Human resources, training, and labor relations specialists .....	23.80	8.2	937	7.9	48,738	7.9
Training and development specialists .....	19.99	10.5	800	10.5	41,585	10.5
Management analysts .....	37.51	13.6	1,474	12.6	76,670	12.6
Accountants and auditors .....	21.17	19.5	843	19.4	43,852	19.4
Financial analysts and advisors .....	26.28	3.8	1,043	3.5	54,215	3.5
Financial analysts .....	26.57	3.3	1,054	3.0	54,784	3.0
Loan counselors and officers .....	16.94	17.4	678	17.4	35,238	17.4
<b>Computer and mathematical science occupations</b> .....	31.07	2.5	1,255	3.2	65,239	3.2
Computer programmers .....	28.17	11.4	1,123	11.1	58,403	11.1
Computer software engineers .....	44.06	7.1	1,815	9.4	94,402	9.4
Computer software engineers, applications .....	44.28	11.1	1,771	11.1	92,101	11.1
Computer software engineers, systems software .....	43.93	12.2	1,846	17.5	95,972	17.5
Computer systems analysts .....	32.07	8.0	1,285	7.9	66,824	7.9
Network and computer systems administrators .....	25.52	10.5	1,021	10.5	53,092	10.5
<b>Architecture and engineering occupations</b> ....	28.09	11.7	1,131	11.8	58,811	11.8
Engineers .....	35.50	3.7	1,439	3.7	74,851	3.7

See footnotes at end of table.

RSE Table 16

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

Occupation <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>Architecture and engineering occupations</b>						
–Continued						
Aerospace engineers .....	\$43.08	8.5%	\$1,723	8.5%	\$89,600	8.5%
Electrical and electronics engineers .....	38.00	9.5	1,544	8.3	80,297	8.3
Electrical engineers .....	38.00	9.5	1,544	8.3	80,297	8.3
Industrial engineers, including health and safety .....	36.26	9.8	1,498	8.6	77,883	8.6
Industrial engineers .....	33.51	4.4	1,389	2.9	72,217	2.9
Mechanical engineers .....	31.41	5.7	1,256	5.7	65,323	5.7
Engineering technicians, except drafters .....	21.30	19.9	852	19.9	44,298	19.9
<b>Life, physical, and social science occupations</b>	25.42	19.2	1,034	19.3	53,786	19.3
Physical scientists .....	41.77	25.2	1,688	25.3	87,761	25.3
<b>Community and social services occupations</b>	16.76	16.9	669	17.1	34,511	17.1
Counselors .....	13.31	5.8	529	5.3	27,324	5.3
Social workers .....	19.55	22.8	782	22.8	40,669	22.8
<b>Legal occupations</b> .....	53.53	22.7	2,349	17.3	122,170	17.3
<b>Education, training, and library occupations</b>	24.50	10.4	941	12.2	38,990	12.2
Postsecondary teachers .....	30.02	7.9	1,170	4.9	47,128	4.9
Arts, communications, and humanities teachers, postsecondary .....	30.42	4.4	1,215	4.3	49,146	4.3
Miscellaneous postsecondary teachers .....	26.03	19.8	967	11.8	40,339	11.8
Primary, secondary, and special education school teachers .....	22.23	21.6	833	21.5	33,788	21.5
Elementary and middle school teachers .....	26.16	1.7	990	1.7	38,269	1.7
<b>Arts, design, entertainment, sports, and media occupations</b> .....	21.23	4.4	848	4.4	43,975	4.4
Designers .....	20.24	30.8	809	30.8	42,090	30.8
Graphic designers .....	20.19	31.8	807	31.8	41,985	31.8
<b>Healthcare practitioner and technical occupations</b> .....	24.49	4.9	965	5.5	50,155	5.5
Pharmacists .....	50.12	1.1	2,005	1.1	104,248	1.1
Registered nurses .....	28.18	6.5	1,100	7.9	57,185	7.9
Therapists .....	21.13	5.4	844	5.5	43,897	5.5
Respiratory therapists .....	19.87	1.6	794	1.6	41,284	1.6
Clinical laboratory technologists and technicians .....	21.84	3.6	863	2.5	44,868	2.5

See footnotes at end of table.

RSE Table 16

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

Occupation <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> –Continued						
Medical and clinical laboratory technologists .....	\$21.54	5.5%	\$862	5.5%	\$44,804	5.5%
Diagnostic related technologists and technicians .....	22.05	15.1	875	15.2	45,493	15.2
Radiologic technologists and technicians ..	21.29	7.2	841	7.7	43,713	7.7
Health diagnosing and treating practitioner support technicians .....	14.83	6.8	593	6.8	30,836	6.8
Licensed practical and licensed vocational nurses .....	16.58	3.7	653	5.5	33,957	5.5
<b>Healthcare support occupations</b> .....	10.34	5.2	406	5.7	21,093	5.7
Nursing, psychiatric, and home health aides	9.66	3.9	377	4.3	19,628	4.3
Nursing aides, orderlies, and attendants ....	9.61	4.0	375	4.4	19,475	4.4
Miscellaneous healthcare support occupations .....	12.65	7.4	502	7.4	26,113	7.4
Medical assistants .....	13.75	6.5	546	6.9	28,412	6.9
Medical transcriptionists .....	13.09	3.6	517	4.4	26,875	4.4
<b>Protective service occupations</b> .....	10.24	7.2	409	7.1	21,292	7.1
Security guards and gaming surveillance officers .....	10.12	9.3	404	9.1	21,010	9.1
Security guards .....	10.00	9.8	399	9.6	20,766	9.6
<b>Food preparation and serving related occupations</b> .....	7.39	6.1	294	5.8	15,246	5.8
First-line supervisors/managers, food preparation and serving workers .....	12.41	10.8	511	12.2	26,594	12.2
First-line supervisors/managers of food preparation and serving workers .....	12.23	11.8	505	13.0	26,240	13.0
Cooks .....	11.20	5.2	446	5.7	23,189	5.7
Cooks, institution and cafeteria .....	10.47	9.9	413	10.3	21,458	10.3
Food service, tipped .....	5.76	7.3	230	7.4	11,969	7.4
Waiters and waitresses .....	5.56	7.7	222	7.7	11,557	7.7
Food servers, nonrestaurant .....	8.64	5.9	342	6.9	17,542	6.9
Dishwashers .....	8.24	2.3	330	2.3	17,137	2.3
<b>Building and grounds cleaning and maintenance occupations</b> .....	10.22	5.7	406	6.1	21,105	6.1
First-line supervisors/managers, building and grounds cleaning and maintenance workers .....	16.85	11.6	674	11.6	35,052	11.6

See footnotes at end of table.

RSE Table 16

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

Occupation <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> –Continued						
First-line supervisors/managers of housekeeping and janitorial workers ...	\$16.85	11.6%	\$674	11.6%	\$35,052	11.6%
Building cleaning workers .....	8.69	6.5	345	6.0	17,915	6.0
Janitors and cleaners, except maids and housekeeping cleaners .....	9.25	6.8	365	6.4	18,964	6.4
Maids and housekeeping cleaners .....	8.13	1.3	324	1.2	16,850	1.2
Grounds maintenance workers .....	8.72	14.2	348	14.2	17,904	14.2
Landscaping and groundskeeping workers	8.72	14.2	348	14.2	17,904	14.2
<b>Personal care and service occupations</b> .....	8.46	9.6	339	9.8	17,592	9.8
First-line supervisors/managers of gaming workers .....	14.22	.0	578	.0	30,063	.0
Gaming services workers .....	6.25	.0	250	.0	12,999	.0
Gaming dealers .....	6.25	.0	250	.0	12,999	.0
<b>Sales and related occupations</b> .....	22.24	26.4	905	27.1	47,056	27.1
First-line supervisors/managers, sales workers .....	18.24	13.4	768	15.0	39,923	15.0
First-line supervisors/managers of retail sales workers .....	18.55	16.0	769	16.8	39,986	16.8
Retail sales workers .....	11.83	5.7	474	6.5	24,641	6.5
Cashiers, all workers .....	11.62	7.0	464	7.0	24,103	7.0
Retail salespersons .....	11.98	13.1	482	15.5	25,073	15.5
Sales representatives, wholesale and manufacturing .....	28.83	2.5	1,200	2.9	62,409	2.9
Sales representatives, wholesale and manufacturing, except technical and scientific products .....	27.09	10.4	1,136	11.9	59,097	11.9
Miscellaneous sales and related workers .....	18.22	18.2	729	18.2	37,891	18.2
<b>Office and administrative support occupations</b> .....	13.45	3.8	538	3.8	27,958	3.8
First-line supervisors/managers of office and administrative support workers .....	21.49	9.3	871	8.2	45,288	8.2
Switchboard operators, including answering service .....	11.06	1.5	442	1.5	23,010	1.5
Financial clerks .....	12.17	10.1	487	10.2	25,337	10.2
Billing and posting clerks and machine operators .....	14.16	17.8	580	21.9	30,136	21.9
Bookkeeping, accounting, and auditing clerks .....	14.21	4.4	567	4.3	29,487	4.3

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 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>						
Payroll and timekeeping clerks .....	\$16.03	3.0%	\$641	3.0%	\$33,350	3.0%
Tellers .....	11.05	1.8	442	1.8	22,992	1.8
Customer service representatives .....	12.81	8.9	510	8.7	26,497	8.7
File clerks .....	10.63	13.7	421	12.8	21,874	12.8
Interviewers, except eligibility and loan .....	13.98	8.8	554	9.3	28,786	9.3
Loan interviewers and clerks .....	11.65	6.3	466	6.3	24,231	6.3
Order clerks .....	12.79	9.4	510	9.2	26,530	9.2
Human resources assistants, except payroll and timekeeping .....	14.75	8.6	586	8.6	30,315	8.6
Receptionists and information clerks .....	11.47	5.6	458	5.8	23,799	5.8
Reservation and transportation ticket agents and travel clerks .....	15.56	9.7	622	9.7	32,361	9.7
Production, planning, and expediting clerks .....	18.44	12.7	737	12.7	38,349	12.7
Shipping, receiving, and traffic clerks .....	11.22	5.9	449	6.0	23,308	6.0
Stock clerks and order fillers .....	12.43	3.1	496	3.2	25,797	3.2
Secretaries and administrative assistants .....	16.87	5.6	671	5.7	34,892	5.7
Executive secretaries and administrative assistants .....	19.90	5.6	795	5.6	41,332	5.6
Medical secretaries .....	11.99	3.0	478	2.9	24,873	2.9
Secretaries, except legal, medical, and executive .....	14.54	4.4	577	4.9	29,996	4.9
Computer operators .....	14.54	11.2	582	11.2	30,253	11.2
Data entry and information processing workers .....	12.45	3.5	498	3.5	25,888	3.5
Data entry keyers .....	12.16	4.4	486	4.4	25,294	4.4
Insurance claims and policy processing clerks .....	13.01	1.5	520	1.5	27,061	1.5
Mail clerks and mail machine operators, except postal service .....	10.44	.9	418	.9	21,725	.9
Office clerks, general .....	12.66	7.5	506	7.4	26,298	7.4
<b>Construction and extraction occupations .....</b>	<b>17.42</b>	<b>10.5</b>	<b>697</b>	<b>10.5</b>	<b>36,243</b>	<b>10.5</b>
First-line supervisors/managers of construction trades and extraction workers .....	24.01	3.4	962	3.4	50,041	3.4
Carpenters .....	20.12	13.5	805	13.5	41,849	13.5
Construction laborers .....	11.53	27.6	461	27.6	23,976	27.6
Electricians .....	24.08	6.6	963	6.6	50,091	6.6
Pipelayers, plumbers, pipefitters, and steamfitters .....	20.14	14.7	806	14.7	41,899	14.7
Plumbers, pipefitters, and steamfitters .....	20.14	14.7	806	14.7	41,899	14.7

See footnotes at end of table.

RSE Table 16

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

Occupation <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>Construction and extraction occupations</b> –Continued						
Helpers, construction trades .....	\$12.79	1.7%	\$512	1.7%	\$26,608	1.7%
<b>Installation, maintenance, and repair occupations</b> .....	21.90	9.4	876	9.4	45,518	9.4
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers .....	24.80	11.3	992	11.3	51,581	11.3
Automotive technicians and repairers .....	15.22	6.5	616	6.6	32,039	6.6
Bus and truck mechanics and diesel engine specialists .....	16.94	4.2	679	4.4	35,307	4.4
Industrial machinery installation, repair, and maintenance workers .....	21.18	9.1	847	9.1	44,056	9.1
Industrial machinery mechanics .....	24.25	7.5	970	7.6	50,424	7.6
Maintenance and repair workers, general ..	21.72	13.8	869	13.8	45,175	13.8
Maintenance workers, machinery .....	15.29	3.1	611	3.1	31,797	3.1
Millwrights .....	25.26	9.2	1,010	9.2	52,542	9.2
Line installers and repairers .....	27.49	2.4	1,100	2.4	57,185	2.4
Miscellaneous installation, maintenance, and repair workers .....	16.20	17.7	646	17.7	33,124	17.7
<b>Production occupations</b> .....	15.97	9.2	637	9.3	33,061	9.3
First-line supervisors/managers of production and operating workers .....	20.03	3.9	805	3.9	41,810	3.9
Electrical, electronics, and electromechanical assemblers .....	11.26	2.3	447	2.6	23,238	2.6
Electrical and electronic equipment assemblers .....	11.41	4.0	456	4.0	23,725	4.0
Miscellaneous assemblers and fabricators .....	18.21	15.4	728	15.4	37,875	15.4
Miscellaneous food processing workers .....	15.07	16.3	603	16.3	31,344	16.3
Machine tool cutting setters, operators, and tenders, metal and plastic .....	16.74	3.8	669	3.8	34,812	3.8
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic .....	15.43	6.5	617	6.5	32,102	6.5
Machinists .....	18.67	5.7	747	5.7	38,828	5.7
Molders and molding machine setters, operators, and tenders, metal and plastic .....	11.32	8.7	451	8.5	23,443	8.5
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic .....	11.32	8.7	451	8.5	23,443	8.5

See footnotes at end of table.

RSE Table 16

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

Occupation <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>Production occupations –Continued</b>						
Multiple machine tool setters, operators, and tenders, metal and plastic .....	\$18.51	5.8%	\$741	5.8%	\$38,507	5.8%
Tool and die makers .....	21.03	8.7	841	8.7	43,748	8.7
Welding, soldering, and brazing workers .....	16.81	3.8	672	3.8	34,965	3.8
Welders, cutters, solderers, and brazers ....	16.86	7.8	674	7.8	35,061	7.8
Welding, soldering, and brazing machine setters, operators, and tenders .....	16.75	3.8	670	3.8	34,842	3.8
Miscellaneous metalworkers and plastic workers .....	16.69	7.2	667	7.2	34,707	7.2
Printers .....	22.86	5.3	874	5.6	45,441	5.6
Printing machine operators .....	22.38	6.5	863	7.0	44,855	7.0
Laundry and dry-cleaning workers .....	9.01	9.3	356	10.7	18,527	10.7
Sewing machine operators .....	10.05	6.8	389	5.6	19,856	5.6
Woodworking machine setters, operators, and tenders .....	11.63	13.4	465	13.4	23,747	13.4
Miscellaneous plant and system operators ....	25.48	1.5	1,011	.9	52,594	.9
Chemical processing machine setters, operators, and tenders .....	13.99	12.4	558	12.2	29,014	12.2
Chemical equipment operators and tenders	14.80	32.4	589	32.0	30,642	32.0
Crushing, grinding, polishing, mixing, and blending workers .....	19.33	9.7	773	9.7	40,203	9.7
Inspectors, testers, sorters, samplers, and weighers .....	18.50	20.1	743	20.1	38,633	20.1
Miscellaneous production workers .....	14.74	11.4	587	11.4	30,526	11.4
Paper goods machine setters, operators, and tenders .....	20.47	11.3	819	11.3	42,586	11.3
Helpers--production workers .....	11.00	7.1	433	6.4	22,493	6.4
<b>Transportation and material moving occupations .....</b>						
First-line supervisors/managers of helpers, laborers, and material movers, hand .....	21.41	14.6	950	10.0	49,410	10.0
First-line supervisors/managers of transportation and material-moving machine and vehicle operators .....	26.03	14.3	1,041	14.3	54,153	14.3
Aircraft pilots and flight engineers .....	75.07	11.1	1,537	5.0	79,938	5.0
Airline pilots, copilots, and flight engineers .....	75.07	11.1	1,537	5.0	79,938	5.0
Driver/sales workers and truck drivers .....	17.08	5.9	733	5.4	38,106	5.4
Driver/sales workers .....	16.04	2.8	706	3.7	36,720	3.7
Truck drivers, heavy and tractor-trailer .....	17.03	7.8	766	8.1	39,817	8.1
Truck drivers, light or delivery services ....	17.57	8.8	703	8.8	36,554	8.8

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> –Continued						
Crane and tower operators .....	\$20.05	29.1%	\$802	29.1%	\$41,696	29.1%
Industrial truck and tractor operators .....	13.19	7.0	526	7.0	27,359	7.0
Laborers and material movers, hand .....	10.73	6.5	429	6.4	22,258	6.4
Laborers and freight, stock, and material movers, hand .....	11.10	6.6	445	6.6	22,998	6.6
Machine feeders and offbearers .....	10.23	8.3	409	8.3	21,278	8.3
Packers and packagers, hand .....	9.67	8.9	387	8.9	20,122	8.9

<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.