

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> .....	\$18.62	8.9%	\$747	8.8%	\$38,712	8.8%
<b>Management occupations</b> .....	44.01	3.2	1,795	3.6	93,279	3.6
General and operations managers .....	57.28	7.6	2,476	8.8	128,761	8.8
Marketing and sales managers .....	48.63	17.9	2,069	21.1	107,608	21.1
Marketing managers .....	46.78	31.3	1,932	35.1	100,438	35.1
Computer and information systems managers .....	46.38	7.2	1,855	7.2	96,477	7.2
Financial managers .....	39.18	12.2	1,595	12.3	82,924	12.3
Human resources managers .....	58.02	30.2	2,326	30.2	120,929	30.2
Transportation, storage, and distribution managers .....	46.53	16.2	2,077	21.1	107,992	21.1
Education administrators .....	33.69	14.6	1,310	12.5	67,385	12.5
Education administrators, postsecondary ..	33.99	19.9	1,308	16.1	67,009	16.1
Medical and health services managers .....	32.77	17.8	1,299	18.7	67,572	18.7
<b>Business and financial operations occupations</b> .....	26.65	5.0	1,071	4.3	55,696	4.3
Cost estimators .....	25.73	5.3	1,029	5.3	53,509	5.3
Human resources, training, and labor relations specialists .....	25.47	9.9	1,016	10.2	52,827	10.2
Management analysts .....	35.60	12.2	1,407	11.4	73,152	11.4
Accountants and auditors .....	22.72	22.2	910	22.2	47,311	22.2
Financial analysts and advisors .....	26.80	4.8	1,066	4.6	55,435	4.6
Financial analysts .....	27.29	5.2	1,084	5.0	56,385	5.0
<b>Computer and mathematical science occupations</b> .....	34.44	3.7	1,387	3.9	72,138	3.9
Computer programmers .....	34.05	6.3	1,338	5.2	69,589	5.2
Computer software engineers .....	44.60	5.8	1,819	6.5	94,600	6.5
Computer software engineers, applications	45.15	8.4	1,815	8.4	94,401	8.4
Computer software engineers, systems software .....	43.76	10.1	1,825	15.0	94,920	15.0
Computer support specialists .....	17.94	8.0	710	7.8	36,927	7.8
Computer systems analysts .....	31.19	5.0	1,248	5.0	64,873	5.0
Network and computer systems administrators .....	27.37	2.5	1,106	1.9	57,523	1.9
Network systems and data communications analysts .....	37.84	9.9	1,576	8.7	81,966	8.7
<b>Architecture and engineering occupations</b> ....	28.69	14.1	1,153	14.3	59,817	14.3
Engineers .....	37.04	3.6	1,496	3.7	77,424	3.7
Aerospace engineers .....	45.75	10.1	1,830	10.1	95,159	10.1

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 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						
Industrial engineers, including health and safety .....	\$36.66	13.3%	\$1,499	13.0%	\$77,949	13.0%
Industrial engineers .....	32.40	8.0	1,333	7.7	69,302	7.7
Mechanical engineers .....	33.23	7.0	1,329	7.0	67,917	7.0
Engineering technicians, except drafters .....	20.26	25.5	811	25.5	42,147	25.5
<b>Life, physical, and social science occupations</b>	39.37	40.5	1,589	40.8	82,644	40.8
Physical scientists .....	46.73	23.5	1,985	22.4	103,199	22.4
<b>Community and social services occupations</b>	16.06	14.3	654	13.4	33,975	13.4
Counselors .....	12.25	3.6	511	3.9	26,483	3.9
Social workers .....	19.33	17.0	773	17.0	40,197	17.0
<b>Legal occupations</b> .....	58.54	15.6	2,342	15.6	121,763	15.6
<b>Education, training, and library occupations</b>	28.78	7.5	1,099	7.9	42,922	7.9
Postsecondary teachers .....	32.74	7.1	1,278	4.0	50,935	4.0
Arts, communications, and humanities teachers, postsecondary .....	31.64	4.5	1,264	4.4	51,119	4.4
Miscellaneous postsecondary teachers .....	29.17	16.7	1,064	9.2	42,457	9.2
Primary, secondary, and special education school teachers .....	25.89	.6	968	2.3	36,842	2.3
Elementary and middle school teachers ....	26.25	.5	989	2.3	37,444	2.3
Elementary school teachers, except special education .....	26.18	.3	982	2.1	37,165	2.1
<b>Arts, design, entertainment, sports, and media occupations</b> .....	21.99	2.8	879	2.9	45,503	2.9
Designers .....	16.94	9.5	678	9.5	35,239	9.5
Graphic designers .....	16.56	10.2	662	10.2	34,443	10.2
<b>Healthcare practitioner and technical occupations</b> .....	25.68	5.6	1,012	5.9	52,623	5.9
Pharmacists .....	50.59	1.5	2,024	1.5	105,227	1.5
Registered nurses .....	30.85	7.4	1,203	8.4	62,557	8.4
Therapists .....	21.38	3.9	854	3.8	44,425	3.8
Respiratory therapists .....	20.64	2.2	826	2.2	42,937	2.2
Clinical laboratory technologists and technicians .....	22.19	3.9	875	3.2	45,521	3.2
Medical and clinical laboratory technologists .....	21.96	4.2	878	4.2	45,677	4.2

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 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 technicians .....	\$22.60	5.2%	\$870	4.9%	\$45,261	4.9%
Diagnostic related technologists and technicians .....	23.84	12.6	954	12.6	49,585	12.6
Radiologic technologists and technicians ..	22.81	5.3	912	5.3	47,437	5.3
Health diagnosing and treating practitioner support technicians .....	14.47	7.5	578	7.3	30,038	7.3
Licensed practical and licensed vocational nurses .....	16.94	3.5	670	4.2	34,865	4.2
<b>Healthcare support occupations</b> .....	10.50	4.8	407	5.3	21,170	5.3
Nursing, psychiatric, and home health aides	9.85	3.5	379	4.1	19,724	4.1
Nursing aides, orderlies, and attendants ....	9.86	3.6	380	4.0	19,768	4.0
Miscellaneous healthcare support occupations .....	12.24	3.3	486	3.5	25,281	3.5
<b>Protective service occupations</b> .....	10.61	7.3	425	7.3	22,076	7.3
Security guards and gaming surveillance officers .....	10.53	10.0	421	10.0	21,904	10.0
Security guards .....	10.27	10.5	411	10.5	21,362	10.5
<b>Food preparation and serving related occupations</b> .....	7.50	4.1	298	4.1	15,442	4.1
Cooks .....	11.70	4.1	466	4.7	24,207	4.7
Food service, tipped .....	5.68	12.1	227	12.2	11,815	12.2
Fast food and counter workers .....	9.41	7.8	354	9.6	18,081	9.6
Combined food preparation and serving workers, including fast food .....	9.41	7.8	354	9.6	18,081	9.6
Dishwashers .....	8.45	2.6	338	2.7	17,551	2.7
<b>Building and grounds cleaning and maintenance occupations</b> .....	9.31	4.0	369	3.7	19,173	3.7
Building cleaning workers .....	8.95	5.5	354	4.8	18,403	4.8
Janitors and cleaners, except maids and housekeeping cleaners .....	9.57	5.8	376	5.1	19,562	5.1
Maids and housekeeping cleaners .....	8.42	2.8	335	2.4	17,423	2.4
<b>Personal care and service occupations</b> .....	8.68	8.7	348	8.4	18,022	8.4
First-line supervisors/managers of gaming workers .....	14.70	.0	598	.0	31,074	.0
Gaming services workers .....	6.48	.0	259	.0	13,477	.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 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>Personal care and service occupations</b>						
–Continued						
Gaming dealers .....	\$6.48	0.0%	\$259	0.0%	\$13,477	0.0%
<b>Sales and related occupations</b> .....	21.65	23.1	877	23.4	45,583	23.4
First-line supervisors/managers, sales workers .....	21.12	8.4	879	9.6	45,703	9.6
First-line supervisors/managers of retail sales workers .....	21.63	9.9	884	9.7	45,991	9.7
Retail sales workers .....	11.46	5.6	457	6.0	23,763	6.0
Cashiers, all workers .....	11.92	7.3	476	7.4	24,741	7.4
Retail salespersons .....	10.81	6.2	431	7.9	22,387	7.9
Sales representatives, wholesale and manufacturing .....	27.49	7.8	1,154	8.7	59,996	8.7
Sales representatives, wholesale and manufacturing, except technical and scientific products .....	27.10	8.4	1,139	9.3	59,211	9.3
Miscellaneous sales and related workers .....	16.40	23.2	656	23.2	34,121	23.2
<b>Office and administrative support occupations</b> .....	13.87	3.6	554	3.6	28,792	3.6
First-line supervisors/managers of office and administrative support workers .....	20.64	5.4	826	5.4	42,942	5.4
Financial clerks .....	12.41	9.3	495	9.2	25,760	9.2
Billing and posting clerks and machine operators .....	12.74	5.5	510	5.5	26,500	5.5
Bookkeeping, accounting, and auditing clerks .....	14.56	5.3	581	5.3	30,230	5.3
Payroll and timekeeping clerks .....	17.52	5.2	681	3.1	35,414	3.1
Customer service representatives .....	13.44	9.0	537	9.0	27,930	9.0
Interviewers, except eligibility and loan .....	14.48	10.3	573	10.9	29,777	10.9
Loan interviewers and clerks .....	12.73	6.7	509	6.7	26,478	6.7
Order clerks .....	12.42	8.5	494	8.4	25,700	8.4
Human resources assistants, except payroll and timekeeping .....	15.05	7.6	598	7.6	30,904	7.6
Receptionists and information clerks .....	11.24	4.9	450	4.9	23,375	4.9
Production, planning, and expediting clerks .....	17.67	11.7	707	11.7	36,760	11.7
Shipping, receiving, and traffic clerks .....	12.03	5.0	481	5.0	24,986	5.0
Stock clerks and order fillers .....	11.60	3.4	463	3.4	24,061	3.4
Secretaries and administrative assistants .....	17.44	6.4	696	6.5	36,177	6.5
Executive secretaries and administrative assistants .....	21.26	7.2	850	7.2	44,221	7.2
Medical secretaries .....	12.42	3.3	495	3.2	25,737	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 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</b> –Continued						
Secretaries, except legal, medical, and executive .....	\$14.20	4.5%	\$564	4.7%	\$29,326	4.7%
Data entry and information processing workers .....	13.32	5.2	530	4.6	27,556	4.6
Data entry keyers .....	12.72	2.1	509	2.1	26,452	2.1
Insurance claims and policy processing clerks .....	15.86	6.5	626	5.6	32,540	5.6
Mail clerks and mail machine operators, except postal service .....	11.36	7.3	454	7.3	23,622	7.3
Office clerks, general .....	12.91	6.3	512	6.1	26,638	6.1
<b>Construction and extraction occupations</b> .....	17.72	10.6	709	10.6	36,497	10.6
Construction laborers .....	12.03	26.3	481	26.3	24,454	26.3
Electricians .....	23.35	8.6	934	8.6	48,565	8.6
Pipelayers, plumbers, pipefitters, and steamfitters .....	21.89	18.3	876	18.3	45,541	18.3
Plumbers, pipefitters, and steamfitters .....	21.89	18.3	876	18.3	45,541	18.3
<b>Installation, maintenance, and repair occupations</b> .....	22.14	9.0	886	9.0	46,051	9.0
Automotive technicians and repairers .....	14.74	17.3	594	18.0	30,869	18.0
Bus and truck mechanics and diesel engine specialists .....	17.12	4.3	685	4.3	35,614	4.3
Industrial machinery installation, repair, and maintenance workers .....	21.15	9.3	846	9.3	43,974	9.3
Industrial machinery mechanics .....	24.57	8.1	982	8.2	51,089	8.2
Maintenance and repair workers, general ..	17.78	7.4	709	7.5	36,864	7.5
Maintenance workers, machinery .....	16.43	2.6	658	2.6	34,200	2.6
Line installers and repairers .....	28.51	2.4	1,140	2.4	59,292	2.4
Miscellaneous installation, maintenance, and repair workers .....	17.14	14.6	684	14.7	34,974	14.7
<b>Production occupations</b> .....	16.14	7.6	644	7.6	33,416	7.6
First-line supervisors/managers of production and operating workers .....	21.47	6.8	863	6.9	44,812	6.9
Electrical, electronics, and electromechanical assemblers .....	12.32	3.2	493	3.2	25,617	3.2
Electrical and electronic equipment assemblers .....	12.14	3.6	485	3.6	25,241	3.6
Engine and other machine assemblers .....	14.00	10.0	560	10.0	29,113	10.0
Miscellaneous assemblers and fabricators .....	17.72	12.9	709	12.9	36,839	12.9

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>Production occupations –Continued</b>						
Team assemblers .....	\$20.50	23.1%	\$820	23.1%	\$42,630	23.1%
Miscellaneous food processing workers .....	16.06	10.8	620	9.0	32,258	9.0
Forming machine setters, operators, and tenders, metal and plastic .....	16.91	3.0	678	3.0	35,252	3.0
Extruding and drawing machine setters, operators, and tenders, metal and plastic .....	15.90	9.5	639	9.3	33,233	9.3
Machine tool cutting setters, operators, and tenders, metal and plastic .....	14.64	11.7	583	12.1	30,299	12.1
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic .....	13.98	14.5	559	14.5	29,076	14.5
Lathe and turning machine tool setters, operators, and tenders, metal and plastic .....	18.31	12.0	732	12.0	38,065	12.0
Machinists .....	19.82	5.8	793	5.8	41,221	5.8
Molders and molding machine setters, operators, and tenders, metal and plastic	12.73	12.2	503	11.5	26,152	11.5
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic .....	12.73	12.2	503	11.5	26,152	11.5
Multiple machine tool setters, operators, and tenders, metal and plastic .....	16.88	8.2	677	8.2	35,212	8.2
Tool and die makers .....	20.19	12.9	808	12.9	41,993	12.9
Welding, soldering, and brazing workers .....	16.57	3.8	663	3.8	34,457	3.8
Welders, cutters, solderers, and brazers ....	16.58	8.0	663	8.0	34,482	8.0
Welding, soldering, and brazing machine setters, operators, and tenders .....	16.56	6.0	662	6.0	34,430	6.0
Miscellaneous metalworkers and plastic workers .....	15.47	7.0	619	7.0	32,152	7.0
Printers .....	24.53	1.6	932	1.5	48,454	1.5
Laundry and dry-cleaning workers .....	8.72	7.7	343	9.0	17,838	9.0
Sewing machine operators .....	10.38	5.5	399	5.5	20,306	5.5
Textile machine setters, operators, and tenders .....	12.47	13.0	502	13.4	26,100	13.4
Woodworking machine setters, operators, and tenders .....	12.41	13.3	496	13.3	25,294	13.3
Miscellaneous plant and system operators ....	26.57	1.4	1,053	.6	54,767	.6
Chemical processing machine setters, operators, and tenders .....	15.10	25.5	602	25.2	31,288	25.2
Chemical equipment operators and tenders	16.18	34.2	644	33.8	33,487	33.8

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>Production occupations –Continued</b>						
Crushing, grinding, polishing, mixing, and blending workers .....	\$19.89	9.5%	\$796	9.5%	\$41,368	9.5%
Inspectors, testers, sorters, samplers, and weighers .....	18.07	21.1	725	21.1	37,712	21.1
Miscellaneous production workers .....	14.80	6.3	589	6.3	30,630	6.3
Paper goods machine setters, operators, and tenders .....	18.90	10.8	756	10.8	39,317	10.8
Helpers--production workers .....	11.37	9.3	449	8.9	23,336	8.9
<b>Transportation and material moving occupations .....</b>						
First-line supervisors/managers of transportation and material-moving machine and vehicle operators .....	25.43	20.9	1,017	20.9	52,888	20.9
Aircraft pilots and flight engineers .....	86.68	5.1	1,933	6.7	100,514	6.7
Airline pilots, copilots, and flight engineers .....	86.68	5.1	1,933	6.7	100,514	6.7
Driver/sales workers and truck drivers .....	17.14	4.5	795	3.9	41,016	3.9
Driver/sales workers .....	15.99	3.5	697	5.0	36,269	5.0
Truck drivers, heavy and tractor-trailer .....	16.94	7.8	865	8.5	44,350	8.5
Truck drivers, light or delivery services .....	17.97	8.2	719	8.2	37,370	8.2
Industrial truck and tractor operators .....	13.43	4.0	536	4.0	27,868	4.0
Laborers and material movers, hand .....	11.12	4.3	445	4.3	23,040	4.3
Cleaners of vehicles and equipment .....	14.21	5.0	564	4.5	29,347	4.5
Laborers and freight, stock, and material movers, hand .....	11.32	3.8	453	3.8	23,417	3.8
Machine feeders and offbearers .....	10.21	9.9	410	10.0	21,298	10.0
Packers and packagers, hand .....	9.81	8.0	392	8.0	20,402	8.0

<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.