## Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings

	Hourly ea	rnings <sup>3</sup>	Weekly ea	rnings <sup>5</sup>	Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
All workers	\$20.28	1.0%	\$807	1.1%	\$40,906	1.1%
Management occupations	43.68	3.1	1,779	3.1	91,628	3.1
General and operations managers	47.27	10.5	1,974	10.4	102,553	10.4
Advertising and promotions managers	42.75	18.7	1,759	18.4	91,446	18.4
Marketing and sales managers	51.88	10.0	2,117	9.8	110,101	9.8
Marketing managers	51.83	9.3	2,071	9.3	107,713	9.3
Sales managers	51.93	16.6	2,162	15.8	112,419	15.8
Public relations managers	32.57	14.5	1,259	16.3	64,842	16.3
Administrative services managers	29.40	9.6	1,206	10.0	62,178	10.0
Computer and information systems						
managers	49.63	14.6	1,999	14.3	103,949	14.3
Financial managers	51.85	6.7	2,100	6.4	109,037	6.4
Human resources managers	42.96	6.9	1,733	6.8	90,122	6.8
Compensation and benefits managers	36.57	6.7	1,480	7.3	76,972	7.3
Industrial production managers	42.69	8.0	1,716	7.9	89,225	7.9
Purchasing managers	40.35	14.6	1,614	14.6	83,918	14.6
Transportation, storage, and distribution						
managers	33.71	7.7	1,360	7.7	70,562	7.7
Construction managers	36.56	6.6	1,489	6.3	77,431	6.3
Education administrators	39.51	9.5	1,561	9.8	74,593	9.8
Education administrators, preschool and						
child care center/program	21.55	10.4	860	10.4	44,377	10.4
Education administrators, elementary and						
secondary school	41.89	3.7	1,650	4.7	74,000	4.7
Education administrators, postsecondary	53.20	25.3	2,093	25.3	108,602	25.3
Engineering managers	58.31	4.8	2,359	5.4	122,680	5.4
Food service managers	24.04	7.4	1,068	8.5	55,554	8.5
Medical and health services managers	35.90	5.8	1,502	6.7	78,083	6.7
Property, real estate, and community						
association managers	23.22	9.9	929	9.9	48,321	9.9
Social and community service managers	23.53	19.0	934	19.2	48,557	19.2
Description and Control of the Contr						
Business and financial operations	20.25	1.0	1 175	1.0	60.502	1.0
occupations  Buyers and purchasing agents	29.25 29.92	1.9 5.3	1,175	1.8 5.2	60,593	1.8 5.2
	29.92	3.3	1,201	3.2	62,443	3.2
Purchasing agents, except wholesale, retail, and farm products	28.17	5.0	1,132	4.7	58,886	4.7
Claims adjusters, appraisers, examiners, and	20.17	3.0	1,132	4.7	30,000	4.7
investigators	28.97	5.3	1,134	5.4	58,948	5.4
Claims adjusters, examiners, and	20.97	3.3	1,134	3.4	30,940	3.4
investigators	28.03	5.9	1,095	5.9	56,933	5.9
Compliance officers, except agriculture,	20.03	3.7	1,093	3.7	30,733	J.7
construction, health and safety, and						
transportation	27.47	12.3	1,100	12.2	57,176	12.2
dunsportation	∠1. <del>1</del> 1	12.5	1,100	12.2	57,170	12,2

# Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly ea	rnings <sup>3</sup>	Weekly ea	arnings <sup>5</sup>	Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Business and financial operations						
occupations –Continued						
Cost estimators	\$33.94	2.9%	\$1,380	3.1%	\$71,785	3.1%
Human resources, training, and labor	<b>Ф</b> 33.94	2.9%	\$1,360	3.1%	\$/1,/65	3.1%
relations specialists	25.46	4.0	1.019	3.3	52.026	3.3
*	23.40	4.0	1,018	3.3	52,926	3.3
Employment, recruitment, and placement	21.40		020	7.0	12 502	7.0
specialists	21.49	6.6	838	7.2	43,583	7.2
Compensation, benefits, and job analysis	24.20	6.0	1.004	C 4	52.240	C 4
specialists	24.39	6.8	1,024	6.4	53,249	6.4
Training and development specialists	28.28	12.3	1,121	12.4	58,300	12.4
Logisticians	36.15	7.8	1,446	7.8	75,182	7.8
Management analysts	30.38	8.8	1,225	9.5	63,679	9.5
Accountants and auditors	29.07	4.3	1,169	4.4	60,796	4.4
Appraisers and assessors of real estate	24.18	28.4	959	28.7	49,880	28.7
Credit analysts	25.51	7.8	1,020	7.8	53,059	7.8
Financial analysts and advisors	30.40	9.9	1,216	9.9	63,224	9.9
Financial analysts	32.24	11.3	1,290	11.3	67,064	11.3
Personal financial advisors	26.44	8.2	1,058	8.2	54,991	8.2
Loan counselors and officers	31.07	11.9	1,243	11.9	64,626	11.9
Loan officers	31.07	11.9	1,243	11.9	64,626	11.9
Computer and mathematical science						
occupations	36.10	4.2	1,447	4.3	75,012	4.3
Computer programmers	36.84	10.4	1,476	10.4	76,755	10.4
Computer software engineers	44.85	3.9	1,798	3.9	93,471	3.9
Computer software engineers, applications	43.41	5.7	1,744	5.7	90,662	5.7
Computer software engineers, systems			,		,	
software	46.19	5.0	1,848	5.0	96,071	5.0
Computer support specialists	25.29	8.5	1,012	8.5	52,436	8.5
Computer systems analysts	42.34	8.4	1,698	8.5	88,299	8.5
Database administrators	33.35	13.7	1,334	13.7	69,367	13.7
Network and computer systems	33.33	13.7	1,551	13.7	07,507	13.7
administrators	27.75	5.3	1,112	5.5	57,386	5.5
Network systems and data communications	21.13	3.3	1,112	3.3	37,300	3.3
analysts	33.32	5.8	1,333	5.8	69,041	5.8
Architecture and engineering occupations	35.05	5.9	1,411	5.8	73,372	5.8
		10.2				
Architects, except naval	25.95		1,087	11.4	56,527	11.4
Engineers	44.36	3.5	1,790	3.4	93,080	3.4
Aerospace engineers	39.33	9.4	1,573	9.4	81,809	9.4
Chemical engineers	60.71	10.2	2,429	10.2	126,285	10.2
Civil engineers	35.89	7.1	1,495	6.9	77,746	6.9
Computer hardware engineers	45.61	6.5	1,859	6.2	96,660	6.2
Electrical and electronics engineers	42.00	6.8	1,700	6.3	88,390	6.3

# Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

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	Hourly ea	rnings <sup>3</sup>	Weekly ea	arnings <sup>5</sup>	Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Architecture and engineering occupations						
-Continued						
Electrical engineers	\$44.21	12.2%	\$1,811	11.5%	\$94,176	11.5%
Electronics engineers, except computer	39.87	6.1	1,595	6.1	82,932	6.1
Environmental engineers	33.65	17.2	1,346	17.2	69,991	17.2
Industrial engineers, including health and	33.03	17.2	1,540	17.2	0,,,,,	17.2
safety	40.28	4.3	1,611	4.3	83,785	4.3
Industrial engineers	39.89	4.9	1,595	4.9	82,964	4.9
Mechanical engineers	39.46	12.3	1,579	12.3	82,087	12.3
Petroleum engineers	56.83	14.0	2,273	14.0	118,213	14.0
Drafters	25.08	6.0	1,004	6.0	52,197	6.0
Architectural and civil drafters	27.27	10.3	1,004	10.3	56,720	10.3
Electrical and electronics drafters	20.30	15.9	812	15.9	42,221	15.9
Mechanical drafters	19.11	7.3	764	7.3	39,739	7.3
Engineering technicians, except drafters	22.27	11.9	887	11.8	46,126	11.8
	22.21	11.9	007	11.0	40,120	11.0
Electrical and electronic engineering technicians	24.97	4.5	999	4.5	51,947	4.5
	20.21	26.9	808	26.9		26.9
Surveying and mapping technicians	20.21	20.9	808	20.9	42,041	20.9
Life, physical, and social science occupations	30.15	5.9	1,205	5.9	61,434	5.9
Life scientists	29.83	8.4	1,199	8.5	62,368	8.5
Biological scientists	30.58	11.5	1,227	11.5	63,829	11.5
Medical scientists	28.99	14.1	1,160	14.1	60,307	14.1
Physical scientists	38.50	14.6	1,540	14.6	76,991	14.6
Environmental scientists and geoscientists	42.16	19.7	1,686	19.7	87,695	19.7
Environmental scientists and					,	
specialists, including health	38.49	17.1	1,540	17.1	80,059	17.1
Market and survey researchers	39.55	17.7	1,582	17.7	82,261	17.7
Market research analysts	39.55	17.7	1,582	17.7	82,261	17.7
Psychologists	34.59	6.2	1,351	7.1	59,519	7.1
Clinical, counseling, and school			,		,	
psychologists	38.89	4.6	1,541	4.0	64,395	4.0
Chemical technicians	24.97	10.0	1,015	11.1	52,799	11.1
Miscellaneous life, physical, and social			,		- ,	
science technicians	20.28	16.5	801	17.2	41,633	17.2
Environmental science and protection					,	
technicians, including health	21.13	27.5	845	27.5	43,957	27.5
·						
Community and social services occupations	19.39	5.6	772	5.5	38,488	5.5
Counselors	22.93	16.4	909	16.0	42,577	16.0
Substance abuse and behavioral disorder						
counselors	17.59	11.1	696	10.2	36,173	10.2
Educational, vocational, and school						
counselors	30.10	4.5	1,184	4.2	51,255	4.2
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# Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly earnings <sup>3</sup>		Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Community and social services occupations -Continued						
Social workers	\$18.68	2.6%	\$747	2.6%	\$38,698	2.6%
Child, family, and school social workers	17.85	4.7	713	4.6	36,822	4.6
Medical and public health social workers	18.94	3.2	758	3.2	39,396	3.2
Mental health and substance abuse social					ĺ	
workers	19.69	12.4	788	12.4	40,955	12.4
Miscellaneous community and social service					ĺ	
specialists	14.47	7.4	577	7.6	29,981	7.6
Probation officers and correctional					ĺ	
treatment specialists	20.11	3.4	804	3.4	41,829	3.4
Social and human service assistants	12.15	7.5	483	7.6	25,124	7.6
					ĺ	
Legal occupations	30.34	21.6	1,246	22.9	64,801	22.9
Lawyers	51.50	12.7	2,219	13.8	115,392	13.8
Paralegals and legal assistants	20.19	12.9	807	12.9	41,986	12.9
Miscellaneous legal support workers	21.30	10.4	878	10.8	45,653	10.8
Title examiners, abstractors, and searchers	21.22	11.4	894	12.1	46,509	12.1
Education, training, and library occupations	29.49	2.5	1,147	2.4	44,262	2.4
Postsecondary teachers	46.64	5.5	1,836	5.8	77,227	5.8
Business teachers, postsecondary	35.80	25.3	1,372	27.0	55,062	27.0
postsecondary	25.36	10.8	985	6.8	46,287	6.8
Life sciences teachers, postsecondary Biological science teachers,	41.60	16.8	1,664	16.8	73,848	16.8
postsecondary	41.60	16.8	1,664	16.8	73,848	16.8
Physical sciences teachers, postsecondary	56.36	12.2	2,214	13.8	79,533	13.8
Social sciences teachers, postsecondary	49.35	11.4	1,958	11.8	75,495	11.8
Health teachers, postsecondary	53.95	15.2	2,120	15.5	100,585	15.5
Health specialties teachers,						
postsecondary	63.88	17.2	2,536	17.2	121,467	17.2
Nursing instructors and teachers,						
postsecondary	31.15	6.1	1,197	7.8	55,588	7.8
Arts, communications, and humanities						
teachers, postsecondary	32.51	9.0	1,261	8.6	49,864	8.6
Art, drama, and music teachers,						
postsecondary	37.29	8.9	1,475	9.1	59,792	9.1
Miscellaneous postsecondary teachers	48.39	7.0	1,924	7.0	78,285	7.0
Vocational education teachers,						
postsecondary	29.59	3.6	1,160	2.8	57,431	2.8
Primary, secondary, and special education						
school teachers	31.44	.9	1,215	.9	45,191	.9
		7.9	958	7.6	39,087	7.6

## $Full-time {\small 1}\ civilian\ workers:\ Relative\ standard\ errors$ of mean hourly, weekly, and annual earnings — Continued

	Hourly earnings <sup>3</sup>		Weekly ea	Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	
Education, training, and library occupations							
-Continued							
Preschool teachers, except special							
education	\$19.46	10.5%	\$752	9.7%	\$32,790	9.7%	
Kindergarten teachers, except special							
education	33.04	3.0	1,265	3.1	47,143	3.1	
Elementary and middle school teachers	31.63	.5	1,224	.6	44,968	.6	
Elementary school teachers, except							
special education	31.81	.9	1,231	.9	45,063	.9	
Middle school teachers, except special							
and vocational education	31.03	2.4	1,199	2.7	44,602	2.7	
Secondary school teachers	32.51	1.2	1,256	1.4	46,354	1.4	
Secondary school teachers, except							
special and vocational education	32.55	1.2	1,257	1.4	46,157	1.4	
Vocational education teachers,							
secondary school	31.88	8.5	1,239	7.8	49,239	7.8	
Special education teachers	33.19	1.8	1,284	1.5	47,902	1.5	
Special education teachers, preschool,							
kindergarten, and elementary school	32.50	1.8	1,267	1.9	47,258	1.9	
Special education teachers, middle	2425	2.0	1 212		40.004		
school	34.26	3.8	1,312	2.2	48,934	2.2	
Special education teachers, secondary	22.05	4.0	1.200		40.516		
school	33.95	4.8	1,299	5.2	48,516	5.2	
Other teachers and instructors	26.39	8.6	984	8.9	38,089	8.9	
Adult literacy, remedial education, and	27.00	10.0	076	15.1	40.274	15.1	
GED teachers and instructors	25.99	18.0	976	15.1	40,374	15.1	
Librarians	30.08	5.4	1,173	4.6	50,188	4.6	
Library technicians	13.53	6.2	537	6.4	25,314	6.4	
Instructional coordinators	33.31	5.3	1,322	5.4	56,172	5.4	
Teacher assistants	11.94	2.1	462	1.9	18,087	1.9	
Auto design ententainment anguts and							
Arts, design, entertainment, sports, and	23.54	8.6	941	9.0	10 611	9.0	
media occupations	23.54 35.40	17.0	941 1,456	9.0 16.5	48,641 75,693	16.5	
	22.45	6.5	901	6.5		6.5	
Designers	22.45	8.6	901 914	8.6	46,831 47,515	8.6	
Graphic designers	44.83	0.0	914	0.0	47,313	0.0	
workers	32.77	18.0	1,305	18.9	63,653	18.9	
Coaches and scouts	32.77	18.0	1,305	18.9	63,653	18.9	
News analysts, reporters and correspondents	25.30	17.7	1,022	18.0	53,140	18.0	
Public relations specialists	20.15	17.7	805	15.7	41,851	15.7	
Writers and editors	21.33	6.4	852	6.5	41,831	6.5	
Editors	21.33	4.9	871	4.7	45,296	4.7	
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### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly ea	rnings <sup>3</sup>	Weekly ea	Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	
Arts, design, entertainment, sports, and							
media occupations –Continued							
Miscellaneous media and communication	*	0 =		0.5	<b>**</b> * * * * * * * * * * * * * * * * * *		
workers	\$17.13	8.7%	\$682	8.5%	\$34,988	8.5%	
Healthcare practitioner and technical							
occupations	28.16	5.6	1,114	5.8	57,516	5.8	
Pharmacists	54.10	1.4	2,171	1.0	112,885	1.0	
Physicians and surgeons	80.18	14.2	3,550	20.8	184,578	20.8	
Registered nurses	30.12	3.0	1,180	3.0	60,983	3.0	
Therapists	35.90	4.1	1,413	4.3	69,395	4.3	
Occupational therapists	36.94	2.9	1,425	3.2	71,231	3.2	
Physical therapists	41.33	6.5	1,644	6.7	85,182	6.7	
Respiratory therapists	24.81	2.6	978	3.7	50,878	3.7	
Speech-language pathologists	34.10	3.8	1,312	4.5	51,234	4.5	
Clinical laboratory technologists and							
technicians	18.27	8.7	725	8.5	37,705	8.5	
Medical and clinical laboratory							
technologists	23.38	4.9	921	4.8	47,884	4.8	
Medical and clinical laboratory							
technicians	15.06	8.6	601	8.5	31,234	8.5	
Diagnostic related technologists and							
technicians	24.18	6.1	966	6.1	50,249	6.1	
Cardiovascular technologists and							
technicians	20.67	13.0	827	13.0	43,003	13.0	
Radiologic technologists and technicians	23.40	5.0	935	5.0	48,619	5.0	
Emergency medical technicians and							
paramedics	13.17	9.7	522	8.5	27,144	8.5	
Health diagnosing and treating practitioner							
support technicians	16.52	4.4	651	4.5	33,876	4.5	
Pharmacy technicians	14.64	5.9	581	5.9	30,234	5.9	
Respiratory therapy technicians	20.71	4.3	828	4.3	43,076	4.3	
Surgical technologists	18.86	5.1	744	5.3	38,665	5.3	
Licensed practical and licensed vocational							
nurses	18.78	2.6	736	2.9	37,962	2.9	
Medical records and health information							
technicians	17.25	13.1	685	13.3	35,601	13.3	
Miscellaneous health technologists and							
technicians	21.20	22.3	847	22.3	44,028	22.3	
Occupational health and safety specialists							
and technicians	24.99	14.6	999	14.6	51,970	14.6	
Occupational health and safety specialists	25.42	15.6	1,017	15.6	52,865	15.6	
Healthcare support occupations	11.55	2.8	440	3.2	22,844	3.2	

# Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

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	Hourly ea	rnings <sup>3</sup>	Weekly ea	arnings <sup>5</sup>	Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Health come grown out account though Continued						
Healthcare support occupations –Continued	\$9.99	2.50/	¢201	2.00/	\$19,756	2.00/
Nursing, psychiatric, and home health aides Home health aides	\$9.99 8.95	2.5% 10.8	\$381 308	3.9%		3.9% 17.5
				17.5	16,011	2.2
Nursing aides, orderlies, and attendants	10.22	1.9	399 304	2.2	20,694	
Psychiatric aides	10.13	3.8	394	5.0	20,471	5.0
Physical therapist assistants and aides	19.60	24.0	780	24.2	40,571	24.2
Physical therapist aides	10.83	5.2	429	6.1	22,311	6.1
Miscellaneous healthcare support	12.51	4.0	510	2.4	26.624	2.4
occupations	13.51	4.0	512	3.4	26,634	3.4
Dental assistants	17.29	6.6	581	7.2	30,230 25,110	7.2 2.5
Medical assistants	12.10	2.4	483	2.5		
Medical equipment preparers	14.34	6.4	568	5.8	29,520	5.8
Duotootivo goveino aggressiona	17.70	1.2	720	1.5	27.020	1.5
Protective service occupations	17.79	4.3	738	4.5	37,920	4.5
First-line supervisors/managers, law	26.26	9.0	1.062	0.1	55 240	0.1
enforcement workers	26.36	8.9	1,062	9.1	55,249	9.1
First-line supervisors/managers of	10.00	11.0	755	11.7	20.252	11.7
correctional officers	18.80	11.8	755	11.7	39,253	11.7
First-line supervisors/managers of police	29.96	7.5	1 210	7.6	62 800	7.6
and detectives	29.90	7.3	1,210	7.6	62,899	7.6
First-line supervisors/managers of fire	25.69	57	1 204	0.1	62.604	9.1
fighting and prevention workers	23.69 19.57	5.7 5.2	1,204 1,010	9.1 5.6	62,604 52,500	5.6
Fire fighters		7.1				
Bailiffs, correctional officers, and jailers	13.92		560	7.1	29,112	7.1
Correctional officers and jailers	13.85	6.8 6.1	557	6.8	28,957	6.8 6.0
Detectives and criminal investigators Police officers	22.34 22.50	4.2	897	6.0	46,650	
			901	4.1	46,589	4.1
Police and sheriff's patrol officers	22.50	4.2	901	4.1	46,589	4.1
Security guards and gaming surveillance officers	12.05	3.8	172	4.2	24.411	4.2
	12.05	3.8	473 469	4.2 4.4	24,411	4.2
Security guards	11.95	10.0		10.4	24,208	
Miscenaneous protective service workers	11.09	10.0	422	10.4	14,127	10.4
Food preparation and serving related						
occupations	8.20	2.8	311	3.0	15,691	3.0
First-line supervisors/managers, food	6.20	2.0	311	3.0	13,091	3.0
preparation and serving workers	14.86	3.8	626	3.9	31,065	3.9
First-line supervisors/managers of food	14.60	3.6	020	3.9	31,003	3.9
preparation and serving workers	14.79	3.8	623	4.0	30,926	4.0
Cooks	9.83	1.6	375	2.3	18,836	2.3
Cooks, fast food	9.83 8.62	3.8	315	7.2	16,388	7.2
Cooks, fast food	10.29	2.5	313	2.8	17,989	2.8
Cooks, restaurant	10.29	2.3	391	2.6	20,541	2.6
Cooks, festauran	8.90	4.3	355	4.4	18,439	4.4
Cooks, short order	0.70	1.5			10,737	
•		•				

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly ea	rnings <sup>3</sup>	Weekly ea	rnings <sup>5</sup>	Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Food preparation and serving related occupations –Continued						
Food preparation workers	\$8.58	5.4%	\$329	6.0%	\$16,460	6.0%
Food service, tipped	4.23	5.7	155	6.2	8,016	6.2
Bartenders	6.21	10.3	213	13.2	10,636	13.2
Waiters and waitresses	3.22	5.8	118	5.8	6,122	5.8
Dining room and cafeteria attendants and						
bartender helpers	7.23	10.8	278	11.3	14,289	11.3
Fast food and counter workers	8.80	1.7	330	1.9	16,296	1.9
Combined food preparation and serving						
workers, including fast food	8.87	2.0	332	2.2	16,215	2.2
Counter attendants, cafeteria, food						
concession, and coffee shop	8.51	4.4	324	3.7	16,654	3.7
Food servers, nonrestaurant	8.07	7.5	313	7.2	16,257	7.2
Dishwashers	8.12	2.1	313	2.4	16,274	2.4
Hosts and hostesses, restaurant, lounge, and					,	
coffee shop	7.84	10.8	291	11.7	15,124	11.7
•						
Building and grounds cleaning and						
maintenance occupations	10.31	2.3	404	2.5	20,806	2.5
First-line supervisors/managers, building and						
grounds cleaning and maintenance						
workers	15.21	6.0	608	5.9	31,597	5.9
First-line supervisors/managers of						
housekeeping and janitorial workers	14.66	7.5	579	7.2	30,111	7.2
First-line supervisors/managers of						
landscaping, lawn service, and						
groundskeeping workers	16.78	9.3	692	10.2	36,008	10.2
Building cleaning workers	9.46	1.7	370	1.7	18,952	1.7
Janitors and cleaners, except maids and						
housekeeping cleaners	9.70	2.4	383	2.1	19,697	2.1
Maids and housekeeping cleaners	8.67	2.5	330	4.3	16,812	4.3
Grounds maintenance workers	10.44	6.1	412	5.8	21,333	5.8
Landscaping and groundskeeping workers	10.41	6.5	410	6.2	21,279	6.2
Personal care and service occupations	12.04	6.5	445	5.8	22,991	5.8
First-line supervisors/managers of personal						
service workers	14.68	4.4	579	8.2	30,088	8.2
Nonfarm animal caretakers	11.46	12.8	458	12.8	23,830	12.8
Gaming services workers	8.66	4.8	287	7.3	14,900	7.3
Miscellaneous entertainment attendants and						
related workers	9.45	8.9	369	9.8	19,205	9.8
Amusement and recreation attendants	9.31	9.8	363	10.8	18,883	10.8
Barbers and cosmetologists	14.53	28.3	_	_	_	_

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Personal care and service occupations		Hourly ea	rnings <sup>3</sup>	Weekly ea	arnings <sup>5</sup>	Annual ea	arnings <sup>6</sup>
Continued   Baggage porters, bellhops, and concierges   S7.56   Baggage porters and bellhops   6.85   4.8   259   7.1   13,454   7.1	Occupation <sup>2</sup>	Mean	4	Mean		Mean	1
Continued   Baggage porters, bellhops, and concierges   S7.56   Baggage porters and bellhops   6.85   4.8   259   7.1   13,454   7.1							
Baggage porters and bellhops	-Continued						
Transportation attendants	Baggage porters, bellhops, and concierges	\$7.56	9.9%	\$287	10.6%	\$14,945	10.6%
Child care workers		6.85	4.8	259	7.1	13,454	7.1
Personal and home care aides	Transportation attendants	35.13	14.1	737	2.8	38,111	2.8
Recreation and fitness workers   14.49   8.5   526   6.3   27,364   6.3   Recreation workers   13.59   7.1   514   7.2   26,717   7.2	Child care workers	8.91	5.5	353	5.3	18,085	5.3
Recreation workers	Personal and home care aides	9.02		351	9.4	18,227	9.4
Sales and related occupations	Recreation and fitness workers	14.49	8.5	526	6.3	27,364	6.3
First-line supervisors/managers, sales workers	Recreation workers	13.59	7.1	514	7.2	26,717	7.2
20.82   5.8   856   5.9   44,521   5.9		19.14	2.5	768	2.6	39,861	2.6
Sales workers	workers	20.82	5.8	856	5.9	44,521	5.9
non-retail sales workers	sales workers	18.21	3.1	742	3.3	38,566	3.3
Retail sales workers         11.68         3.7         463         3.7         23,989         3.7           Cashiers, all workers         9.65         1.9         375         2.4         19,303         2.4           Cashiers         9.67         1.9         377         2.3         19,381         2.3           Counter and rental clerks and parts         salespersons         12.86         8.3         514         9.4         26,722         9.4           Counter and rental clerks         9.96         10.4         386         12.3         20,063         12.3           Parts salespersons         14.58         8.7         594         9.1         30,879         9.1           Retail salespersons         12.65         5.1         507         5.3         26,343         5.3           Advertising sales agents         25.64         16.2         1,032         16.4         53,665         16.4           Insurance sales agents         27.49         13.0         1,129         13.4         58,714         13.4           Securities, commodities, and financial services sales agents         41.22         23.4         1,664         24.0         86,510         24.0           Sales representatives, wholesale and manufactu		29.80	20.2	1.266	19.3	65.852	19.3
Cashiers, all workers         9.65         1.9         375         2.4         19,303         2.4           Cashiers         9.67         1.9         377         2.3         19,381         2.3           Counter and rental clerks and parts         12.86         8.3         514         9.4         26,722         9.4           Counter and rental clerks         9.96         10.4         386         12.3         20,063         12.3           Parts salespersons         14.58         8.7         594         9.1         30,879         9.1           Retail salespersons         12.65         5.1         507         5.3         26,343         5.3           Advertising sales agents         25.64         16.2         1,032         16.4         53,665         16.4           Insurance sales agents         27.49         13.0         1,129         13.4         58,714         13.4           Securities, commodities, and financial services sales agents         41.22         23.4         1,664         24.0         86,510         24.0           Sales representatives, wholesale and manufacturing, technical and scientific products         38.48         6.7         1,554         6.5         80,783         6.5           Sales rep							
Cashiers         9.67         1.9         377         2.3         19,381         2.3           Counter and rental clerks and parts salespersons         12.86         8.3         514         9.4         26,722         9.4           Counter and rental clerks         9.96         10.4         386         12.3         20,063         12.3           Parts salespersons         14.58         8.7         594         9.1         30,879         9.1           Retail salespersons         12.65         5.1         507         5.3         26,343         5.3           Advertising sales agents         25.64         16.2         1,032         16.4         53,665         16.4           Insurance sales agents         27.49         13.0         1,129         13.4         58,714         13.4           Securities, commodities, and financial services sales agents         41.22         23.4         1,664         24.0         86,510         24.0           Sales representatives, wholesale and manufacturing, technical and scientific products         38.48         6.7         1,554         6.5         80,783         6.5           Sales representatives, wholesale and manufacturing, except technical and scientific products         30.11         11.1         1,213         10.7 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Counter and rental clerks and parts salespersons   12.86   8.3   514   9.4   26,722   9.4							1
salespersons       12.86       8.3       514       9.4       26,722       9.4         Counter and rental clerks       9.96       10.4       386       12.3       20,063       12.3         Parts salespersons       14.58       8.7       594       9.1       30,879       9.1         Retail salespersons       12.65       5.1       507       5.3       26,343       5.3         Advertising sales agents       25.64       16.2       1,032       16.4       53,665       16.4         Insurance sales agents       27.49       13.0       1,129       13.4       58,714       13.4         Securities, commodities, and financial services sales agents       41.22       23.4       1,664       24.0       86,510       24.0         Sales representatives, wholesale and manufacturing, technical and scientific products       32.71       7.7       1,319       7.2       68,584       7.2         Sales representatives, wholesale and manufacturing, except technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7						- ,	
Counter and rental clerks         9.96         10.4         386         12.3         20,063         12.3           Parts salespersons         14.58         8.7         594         9.1         30,879         9.1           Retail salespersons         12.65         5.1         507         5.3         26,343         5.3           Advertising sales agents         25.64         16.2         1,032         16.4         53,665         16.4           Insurance sales agents         27.49         13.0         1,129         13.4         58,714         13.4           Securities, commodities, and financial services sales agents         41.22         23.4         1,664         24.0         86,510         24.0           Sales representatives, wholesale and manufacturing, technical and scientific products         32.71         7.7         1,319         7.2         68,584         7.2           Sales representatives, wholesale and manufacturing, except technical and scientific products         38.48         6.7         1,554         6.5         80,783         6.5           Sales representatives, and sales agents         20.10         16.6         814         16.8         42,346         16.8           Real estate brokers and sales agents         20.10         16.6         814<		12.86	8.3	514	9.4	26.722	9.4
Parts salespersons         14.58         8.7         594         9.1         30,879         9.1           Retail salespersons         12.65         5.1         507         5.3         26,343         5.3           Advertising sales agents         25.64         16.2         1,032         16.4         53,665         16.4           Insurance sales agents         27.49         13.0         1,129         13.4         58,714         13.4           Securities, commodities, and financial services sales agents         41.22         23.4         1,664         24.0         86,510         24.0           Sales representatives, wholesale and manufacturing         32.71         7.7         1,319         7.2         68,584         7.2           Sales representatives, wholesale and manufacturing, technical and scientific products         38.48         6.7         1,554         6.5         80,783         6.5           Sales representatives, wholesale and manufacturing, except technical and scientific products         30.11         11.1         1,213         10.7         63,089         10.7           Real estate brokers and sales agents         20.10         16.6         814         16.8         42,346         16.8           Real estate sales agents         20.10         16.6	-						1
Retail salespersons       12.65       5.1       507       5.3       26,343       5.3         Advertising sales agents       25.64       16.2       1,032       16.4       53,665       16.4         Insurance sales agents       27.49       13.0       1,129       13.4       58,714       13.4         Securities, commodities, and financial services sales agents       41.22       23.4       1,664       24.0       86,510       24.0         Sales representatives, wholesale and manufacturing       32.71       7.7       1,319       7.2       68,584       7.2         Sales representatives, wholesale and manufacturing, except technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Advertising sales agents							1
Insurance sales agents       27.49       13.0       1,129       13.4       58,714       13.4         Securities, commodities, and financial services sales agents       41.22       23.4       1,664       24.0       86,510       24.0         Sales representatives, wholesale and manufacturing       32.71       7.7       1,319       7.2       68,584       7.2         Sales representatives, wholesale and manufacturing, technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6							1
Securities, commodities, and financial services sales agents       41.22       23.4       1,664       24.0       86,510       24.0         Sales representatives, wholesale and manufacturing       32.71       7.7       1,319       7.2       68,584       7.2         Sales representatives, wholesale and manufacturing, technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6							
services sales agents       41.22       23.4       1,664       24.0       86,510       24.0         Sales representatives, wholesale and manufacturing       32.71       7.7       1,319       7.2       68,584       7.2         Sales representatives, wholesale and manufacturing, technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6		27.1.5	10.0	1,129	10	00,71	10
manufacturing       32.71       7.7       1,319       7.2       68,584       7.2         Sales representatives, wholesale and manufacturing, technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6	services sales agents	41.22	23.4	1,664	24.0	86,510	24.0
Sales representatives, wholesale and manufacturing, technical and scientific products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6		32.71	7.7	1.319	7.2	68,584	7.2
products       38.48       6.7       1,554       6.5       80,783       6.5         Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6	Sales representatives, wholesale and	021,71	/	1,019	,	00,00	/.=
Sales representatives, wholesale and manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6     Office and administrative support	<b>O</b> .						
manufacturing, except technical and scientific products       30.11       11.1       1,213       10.7       63,089       10.7         Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6     Office and administrative support		38.48	6.7	1,554	6.5	80,783	6.5
Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6							
Real estate brokers and sales agents       20.10       16.6       814       16.8       42,346       16.8         Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6	scientific products	30.11	11.1	1,213	10.7	63,089	10.7
Real estate sales agents       20.10       16.6       814       16.8       42,346       16.8         Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6    Office and administrative support		20.10	16.6	814	16.8	42,346	16.8
Telemarketers       12.74       22.0       510       22.0       26,500       22.0         Miscellaneous sales and related workers       14.70       17.6       588       17.6       30,584       17.6		20.10	16.6	814	16.8	42,346	16.8
Miscellaneous sales and related workers 14.70 17.6 588 17.6 30,584 17.6  Office and administrative support	<u> </u>						
	Miscellaneous sales and related workers	14.70		588		30,584	
	Office and administrative support						
		14.92	1.0	592	1.0	30,627	1.0

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly ea	rnings <sup>3</sup>	Weekly ea	nrnings <sup>5</sup>	Annual ea	rnings <sup>6</sup>
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Office and administrative support						
occupations –Continued						
First-line supervisors/managers of office and						
administrative support workers	\$22.54	4.8%	\$898	5.0%	\$46,711	5.0%
Switchboard operators, including answering						
service	10.31	6.2	403	6.9	20,948	6.9
Financial clerks	14.67	2.6	583	2.6	30,310	2.6
Bill and account collectors	14.07	7.8	562	7.8	29,230	7.8
Billing and posting clerks and machine						
operators	14.52	6.4	574	6.6	29,849	6.6
Bookkeeping, accounting, and auditing						
clerks	15.75	2.1	625	2.0	32,439	2.0
Payroll and timekeeping clerks	17.01	5.6	674	5.7	35,049	5.7
Procurement clerks	17.63	10.0	705	10.0	36,661	10.0
Tellers	11.77	2.9	470	2.9	24,422	2.9
Brokerage clerks	18.50	7.2	740	7.2	38,483	7.2
Court, municipal, and license clerks	14.20	9.0	555	9.2	28,884	9.2
Credit authorizers, checkers, and clerks	15.28	7.1	611	7.1	31,788	7.1
Customer service representatives	14.62	1.9	582	2.0	30,231	2.0
Eligibility interviewers, government						
programs	13.17	14.9	507	14.7	24,971	14.7
File clerks	13.00	8.2	518	8.3	26,937	8.3
Hotel, motel, and resort desk clerks	9.17	6.1	359	6.1	18,684	6.1
Interviewers, except eligibility and loan	12.52	5.0	501	5.0	26,043	5.0
Library assistants, clerical	12.89	5.8	498	5.9	24,913	5.9
Loan interviewers and clerks	16.02	7.6	641	7.6	33,322	7.6
New accounts clerks	12.37	6.8	494	6.8	25,694	6.8
Order clerks	12.40	10.9	493	10.9	25,645	10.9
Human resources assistants, except payroll					- ,	
and timekeeping	17.58	5.7	701	5.9	36,385	5.9
Receptionists and information clerks	11.84	2.2	468	2.3	24,288	2.3
Reservation and transportation ticket agents					,	
and travel clerks	16.46	9.7	659	9.7	34,246	9.7
Cargo and freight agents	19.50	6.5	810	5.9	42,140	5.9
Couriers and messengers	10.95	7.4	432	6.6	22,446	6.6
Dispatchers	16.84	5.5	678	5.4	35,239	5.4
Police, fire, and ambulance dispatchers	15.41	6.0	625	6.7	32,517	6.7
Dispatchers, except police, fire, and					- 1	
ambulance	17.46	6.9	700	6.7	36,393	6.7
Meter readers, utilities	12.08	13.7	483	13.7	25,123	13.7
Production, planning, and expediting clerks	18.04	5.7	721	5.7	37,476	5.7
Shipping, receiving, and traffic clerks	12.58	3.1	500	2.9	26,025	2.9
Stock clerks and order fillers	11.76	2.7	467	2.8	24,266	2.8
Secretaries and administrative assistants	17.03	2.8	674	2.8	34,429	2.8
			<u> </u>		- ,	

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly earnings <sup>3</sup>		Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Office and administrative support						
occupations –Continued						
Executive secretaries and administrative	Φ20.06	0.40/	ф <b>до</b> д	0.40/	Φ41 14O	2.40/
assistants	\$20.06	2.4%	\$797	2.4%	\$41,140	2.4%
Legal secretaries	16.48	7.6	659	7.6	34,275	7.6
Medical secretaries	13.69	10.8	542	10.7	28,201	10.7
Secretaries, except legal, medical, and	1.7.00	2.0		2.0	20.050	2.0
executive	15.33	2.9	604	3.0	29,968	3.0
Computer operators	17.03	5.5	678	5.3	35,249	5.3
Data entry and information processing						
workers	12.66	4.5	505	4.5	26,230	4.5
Data entry keyers	12.46	4.4	498	4.4	25,825	4.4
Insurance claims and policy processing						
clerks	16.44	11.4	646	11.4	33,583	11.4
Mail clerks and mail machine operators,						
except postal service	12.94	9.3	506	8.6	26,330	8.6
Office clerks, general	13.33	2.5	528	2.4	27,029	2.4
Farming, fishing, and forestry occupations	14.74	18.2	590	18.2	26,983	18.2
Construction and extraction occupations	16.78	3.5	677	3.9	35,115	3.9
First-line supervisors/managers of						
construction trades and extraction						
workers	25.74	7.0	1,068	8.6	55,529	8.6
Carpenters	16.28	4.0	651	4.0	33,732	4.0
Carpet, floor, and tile installers and finishers	17.17	4.8	667	6.5	34,690	6.5
Tile and marble setters	17.25	5.1	676	6.1	35,148	6.1
Cement masons, concrete finishers, and					22,213	
terrazzo workers	13.70	11.1	548	11.1	28,159	11.1
Cement masons and concrete finishers	13.70	11.1	548	11.1	28,159	11.1
Construction laborers	11.70	4.2	468	4.2	24,259	4.2
Construction equipment operators	15.22	3.2	609	3.2	31,659	3.2
Paving, surfacing, and tamping equipment	13.22	3.2	007	3.2	31,037	3.2
operators	12.65	8.7	506	8.7	26,310	8.7
Operating engineers and other	12.03	0.7	300	0.7	20,310	0.7
construction equipment operators	15.81	2.8	633	2.8	32,890	2.8
Electricians	18.08	4.4	723	4.4	37,606	4.4
Painters and paperhangers	14.76	9.6	591	9.6	30,706	9.6
Painters, construction and maintenance	14.76	9.6	591	9.6	30,706	9.6
	14.70	7.0	391	7.0	50,700	7.0
Pipelayers, plumbers, pipefitters, and steamfitters	18.57	3.8	742	3.8	38,609	3.8
Pipelayers	14.04	11.2	562	11.2	29,206	11.2
Plumbers, pipefitters, and steamfitters	19.17	4.3 9.1	766	4.3	39,847	4.3
Reinforcing iron and rebar workers	15.99	7.1	640	9.1	32,303	9.1

# Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation <sup>2</sup>			Weekly earnings <sup>5</sup>		7 minuai ce	rnings <sup>6</sup>
	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Construction and extraction occupations  -Continued						
Roofers	\$17.04	5.4%	\$681	5.4%	\$35,239	5.4%
Sheet metal workers	17.17	7.6	687	7.6	35,718	7.6
Helpers, construction trades	11.66	2.7	466	2.7	24,172	2.7
Helpersbrickmasons, blockmasons,	11.00	2.7	400	2.7	24,172	2.7
stonemasons, and tile and marble						
setters	10.29	3.3	409	2.8	20,962	2.8
Helperscarpenters	11.34	9.4	454	9.4	23,595	9.4
Helperselectricians	12.94	11.9	518	11.9	26,915	11.9
Helperspipelayers, plumbers, pipefitters,	12.94	11.9	316	11.9	20,913	11.9
and steamfitters	12.47	4.6	499	4.6	25,939	4.6
	27.90	21.5		21.5	58,034	21.5
Construction and building inspectors Hazardous materials removal workers	12.36	11.3	1,116 494	11.3	24,968	11.3
	15.42	20.2	617	20.2	32,079	20.2
Highway maintenance workers	13.42	20.2	017	20.2	32,079	20.2
	13.79	4.0	551	4.0	20 677	4.9
workers	13.79	4.9	331	4.9	28,677	4.9
Derrick, rotary drill, and service unit	22.77	20.0	011	20.0	47.272	20.0
operators, oil, gas, and mining	22.77	20.0	911	20.0	47,372	20.0
Roustabouts, oil and gas	18.69	3.0	748	3.0	38,879	3.0
Installation, maintenance, and repair						
occupations	19.22	1.9	772	1.9	40,045	1.9
First-line supervisors/managers of	19.22	1.9	112	1.9	40,043	1.9
mechanics, installers, and repairers	26.39	3.1	1,094	3.4	56,530	3.4
Computer, automated teller, and office	20.39	3.1	1,094	3.4	30,330	3.4
machine repairers	16.50	8.9	660	8.9	24 220	8.9
	10.30	0.9	000	0.9	34,328	0.9
Radio and telecommunications equipment	23.57	9.0	943	9.0	49,021	9.0
installers and repairers	23.37	9.0	943	9.0	49,021	9.0
Telecommunications equipment installers	23.59	9.1	944	9.1	40.072	9.1
and repairers, except line installers Miscellaneous electrical and electronic	23.39	9.1	944	9.1	49,073	9.1
equipment mechanics, installers, and	10.69	7.2	701	7.5	41 157	7.5
repairers	19.68	7.3	791	7.5	41,157	7.5
Electrical and electronics repairers,	20.54		922		12.725	
commercial and industrial equipment	20.54	6.6	822	6.6	42,725	6.6
Electrical and electronics repairers,	27.52	2.4	1 101	2.4	57.241	2.4
powerhouse, substation, and relay	27.52	2.4	1,101	2.4	57,241	2.4
Security and fire alarm systems installers	15.53	7.2	618	7.3	32,119	7.3
Aircraft mechanics and service technicians	27.95	3.4	1,118	3.4	58,143	3.4
Automotive technicians and repairers	17.51	4.6	714	4.7	37,142	4.7
Automotive body and related repairers	15.80	16.8	655	21.2	34,075	21.2
Automotive service technicians and	17.00	<i>5</i> 2	725		27.707	
mechanics	17.83	5.3	725	5.7	37,706	5.7

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly earnings <sup>3</sup>		Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Installation, maintenance, and repair						
occupations –Continued						
Bus and truck mechanics and diesel engine						
specialists	\$17.64	4.4%	\$706	4.4%	\$36,687	4.4%
Heavy vehicle and mobile equipment service	φ17.04	7.470	Ψ700	7.770	ψ30,007	7.470
technicians and mechanics	19.14	7.9	766	7.9	39,819	7.9
Mobile heavy equipment mechanics,	17.14	7.5	700	7.5	37,017	7.5
except engines	18.84	9.1	754	9.1	39,184	9.1
Rail car repairers	22.30	13.4	892	13.4	46,388	13.4
Small engine mechanics	17.22	15.4	685	14.9	35,619	14.9
Miscellaneous vehicle and mobile equipment	17.22	13.3	003	14.9	33,019	14.9
mechanic, installers, and repairers	10.78	6.9	431	6.9	22,422	6.9
Tire repairers and changers	10.78	7.6	425	7.6	22,422	7.6
Control and valve installers and repairers	19.45	9.7	778	9.7	40,453	9.7
Control and valve installers and repairers,	17.43	9.1	770	9.1	40,433	9.7
except mechanical door	19.45	9.7	778	9.7	40,453	9.7
	19.43	9.7	110	9.7	40,433	9.7
Heating, air conditioning, and refrigeration	10.20	10.0	725	10.0	29 201	10.0
mechanics and installers	18.38	10.0	735	10.0	38,201	10.0
Industrial machinery installation, repair, and maintenance workers	17.23	3.7	689	3.8	35,739	3.8
	21.92	4.5	877	3.8 4.5		4.5
Industrial machinery mechanics	14.36	2.9	574	2.9	45,584	2.9
Maintenance and repair workers, general  Maintenance workers, machinery	14.36	5.1	632	5.4	29,773 32,759	5.4
Line installers and repairers	26.38	4.3	1,055	4.3		4.3
	20.36	4.3	1,033	4.3	54,880	4.3
Electrical power-line installers and repairers	28.18	5.3	1 127	5.3	50 610	5.3
Telecommunications line installers and	20.10	3.3	1,127	3.3	58,618	3.3
	25.20		1.012		50 (22	
repairers	25.30	6.6	1,012	6.6	52,633	6.6
Miscellaneous installation, maintenance, and	16.50	C 4	<i>(5</i> 0	6.2	22.701	6.2
repair workers	16.50	6.4	659	6.3	33,781	6.3
Helpersinstallation, maintenance, and	11 02	50	172	50	22 652	50
repair workers	11.82	5.8	473	5.8	23,653	5.8
Duo du otion a como otiona	14.01	2.2	504	2.2	20.952	2.2
<b>Production occupations</b> First-line supervisors/managers of	14.91	3.3	594	3.3	30,852	3.3
1	25.74	0.2	1.022	0.1	52 205	0.1
production and operating workers	25.74	8.3	1,033	8.1	53,385	8.1
Aircraft structure, surfaces, rigging, and	20.96	0.0	025	0.0	42 207	0.0
systems assemblers	20.86	9.0	835	9.0	43,397	9.0
Electrical, electronics, and electromechanical	11.50	5.0	461	5.0	22.005	5.0
assemblers	11.56	5.0	461	5.0	23,995	5.0
Electrical and electronic equipment	11.70	57	4.00	57	24 221	5.7
assemblers	11.72	5.7	468	5.7	24,321	5.7
Engine and other machine assemblers	14.56	14.2	582	14.2	30,286	14.2
Miscellaneous assemblers and fabricators	12.86	6.5	510	6.6	26,500	6.6

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly earnings <sup>3</sup>		Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>		
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	
Production occupations - Continued							
Team assemblers	\$13.80	19.5%	\$552	19.5%	\$28,700	19.5%	
Bakers	11.70	17.2	458	17.3	23,466	17.3	
Butchers and other meat, poultry, and fish					-,		
processing workers	12.01	5.9	479	5.9	24,922	5.9	
Butchers and meat cutters	14.93	5.5	590	6.0	30,663	6.0	
Meat, poultry, and fish cutters and					,		
trimmers	9.70	3.4	388	3.4	20,172	3.4	
Slaughterers and meat packers	12.48	4.3	499	4.3	25,968	4.3	
Miscellaneous food processing workers	12.21	10.9	485	11.2	25,201	11.2	
Computer control programmers and					,		
operators	16.26	14.2	651	14.2	33,828	14.2	
Computer-controlled machine tool					,		
operators, metal and plastic	15.84	14.7	633	14.7	32,938	14.7	
Forming machine setters, operators, and					,		
tenders, metal and plastic	12.85	15.6	510	15.9	26,498	15.9	
Machine tool cutting setters, operators, and					,		
tenders, metal and plastic	13.73	6.3	547	6.5	28,457	6.5	
Cutting, punching, and press machine							
setters, operators, and tenders, metal							
and plastic	11.83	6.3	473	6.3	24,616	6.3	
Lathe and turning machine tool setters,							
operators, and tenders, metal and							
plastic	16.99	15.1	679	15.1	35,330	15.1	
Machinists	18.91	5.1	759	4.9	39,483	4.9	
Molders and molding machine setters,							
operators, and tenders, metal and plastic	10.47	9.7	416	9.8	21,612	9.8	
Molding, coremaking, and casting							
machine setters, operators, and							
tenders, metal and plastic	10.62	12.2	421	12.6	21,874	12.6	
Multiple machine tool setters, operators, and							
tenders, metal and plastic	11.73	3.5	469	3.5	24,401	3.5	
Welding, soldering, and brazing workers	15.81	4.6	632	4.6	32,883	4.6	
Welders, cutters, solderers, and brazers	16.00	4.9	640	4.9	33,270	4.9	
Welding, soldering, and brazing machine							
setters, operators, and tenders	13.35	8.7	534	8.7	27,768	8.7	
Miscellaneous metalworkers and plastic							
workers	13.31	14.0	532	14.0	27,677	14.0	
Lay-out workers, metal and plastic	14.74	5.1	590	5.1	30,665	5.1	
Plating and coating machine setters,							
operators, and tenders, metal and							
plastic	14.45	24.7	578	24.7	30,061	24.7	
Printers	18.26	7.6	728	7.7	37,859	7.7	
Prepress technicians and workers	20.93	10.5	830	11.0	43,177	11.0	

# Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

	Hourly earnings <sup>3</sup>		Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
Occupation <sup>2</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Production occupations –Continued						
Printing machine operators	\$17.05	6.4%	\$681	6.5%	\$35,413	6.5%
Laundry and dry-cleaning workers	9.53	4.6	373	5.0	19,384	5.0
Sewing machine operators	9.61	10.6	377	10.8	19,491	10.8
Miscellaneous textile, apparel, and						
furnishings workers	10.59	18.9	415	17.9	21,570	17.9
Cabinetmakers and bench carpenters	15.69	6.0	628	6.0	32,642	6.0
Woodworking machine setters, operators,						
and tenders	11.92	11.4	477	11.4	24,790	11.4
Power plant operators, distributors, and						
dispatchers	30.66	14.8	1,226	14.8	63,775	14.8
Water and liquid waste treatment plant and						
system operators	17.66	12.2	707	12.2	36,739	12.2
Miscellaneous plant and system operators	27.92	9.3	1,114	9.3	55,494	9.3
Chemical plant and system operators	31.15	2.4	1,215	3.5	63,203	3.5
Petroleum pump system operators,			•		ŕ	
refinery operators, and gaugers	29.11	6.8	1,167	6.8	56,407	6.8
Crushing, grinding, polishing, mixing, and			,		ĺ	
blending workers	14.96	10.5	598	10.5	31,119	10.5
Grinding and polishing workers, hand	11.08	7.2	443	7.2	23,053	7.2
Mixing and blending machine setters,					,,,,,	
operators, and tenders	16.32	17.0	653	17.0	33,949	17.0
Inspectors, testers, sorters, samplers, and			-			
weighers	16.55	6.0	661	6.0	34,384	6.0
Packaging and filling machine operators and					- ,	
tenders	12.66	7.5	507	7.5	26,342	7.5
Painting workers	15.16	5.8	606	5.8	31,529	5.8
Coating, painting, and spraying machine					,	
setters, operators, and tenders	14.06	6.2	562	6.2	29,237	6.2
Painters, transportation equipment	17.41	12.0	696	12.0	36,209	12.0
Miscellaneous production workers	12.02	5.9	479	5.9	24,891	5.9
Molders, shapers, and casters, except	12.02	3.5	.,,	3.5	21,071	0.5
metal and plastic	10.62	12.6	425	12.6	22,082	12.6
Helpersproduction workers	11.07	5.1	440	5.4	22,873	5.4
-					ŕ	
Transportation and material moving						
occupations	15.27	5.3	619	5.4	31,767	5.4
First-line supervisors/managers of helpers,	. <del></del>					
laborers, and material movers, hand	17.89	7.1	729	6.9	37,900	6.9
First-line supervisors/managers of						
transportation and material-moving	_		_			
machine and vehicle operators	26.36	9.7	1,127	10.0	58,628	10.0
Bus drivers	14.64	7.3	516	6.9	21,810	6.9
Bus drivers, transit and intercity	14.24	13.0	570	13.0	29,621	13.0

### Full-time<sup>1</sup> civilian workers: Relative standard errors of mean hourly, weekly, and annual earnings — Continued

Occupation <sup>2</sup>	Hourly earnings <sup>3</sup>		Weekly earnings <sup>5</sup>		Annual earnings <sup>6</sup>	
	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>	Mean	Relative error <sup>4</sup>
Transportation and material moving						
occupations – Continued Bus drivers, school	\$15.05	5.9%	\$472	7.7%	\$17,381	7.7%
Driver/sales workers and truck drivers	\$15.05 16.86	3.5	726	3.8	37,768	3.8
Driver/sales workers	14.37	12.5	583	12.8	30,291	12.8
Truck drivers, heavy and tractor-trailer	17.55	6.9	780	7.1	40,563	7.1
Truck drivers, light or delivery services	17.33	9.8	642	8.6	33,391	8.6
Taxi drivers and chauffeurs	9.13	8.2	358	7.1	18,619	7.1
Crane and tower operators	19.56	10.7	782	10.7	40,685	10.7
Dredge, excavating, and loading machine	17.50	10.7	702	10.7	10,003	10.7
operators	13.44	3.9	538	3.9	27,951	3.9
Excavating and loading machine and					_,,,,,	
dragline operators	13.44	3.9	538	3.9	27,951	3.9
Industrial truck and tractor operators	12.22	7.8	488	7.8	25,402	7.8
Laborers and material movers, hand	11.02	2.0	434	2.1	22,169	2.1
Cleaners of vehicles and equipment	10.82	4.5	433	4.5	22,500	4.5
Laborers and freight, stock, and material						
movers, hand	11.46	2.8	450	2.9	22,717	2.9
Machine feeders and offbearers	10.95	8.1	438	8.1	22,766	8.1
Packers and packagers, hand	9.70	5.0	378	5.5	19,679	5.5
Refuse and recyclable material collectors	12.53	4.7	501	4.7	26,062	4.7

<sup>1</sup> 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.

NOTE: Dashes indicate that data did not meet publication criteria. Broad occupational groups may include data for subordinate occupational groups not shown separately.

SOURCE: Bureau of Labor Statistics, National Compensation Survey.

The NCS uses the 2000 Standard Occupational Classification coding structure, which defines more than 800 unique occupations, to match jobs sampled by the survey. Military occupations are excluded from the survey.

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.

<sup>&</sup>lt;sup>4</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 chapter 8 of the BLS Handbook of Methods, at http://www.bls.gov/opub/hom/homch8\_a.htm.

<sup>5</sup> Mean weekly earnings are the straight-time weekly wages or salaries paid to employees, exclusive of overtime.

6 Mean annual earnings are the straight-time annual wages or salaries paid to

employees, exclusive of overtime.