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Occupational Employment Statistics



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November 2004 State Occupational Employment and Wage Estimates

Guam

These occupational employment and wage estimates are calculated with data collected from employers in all industry sectors in Guam. These and other data elements, including the 10th, 25th, 75th, and 90th percentile wages, are available in the [downloadable Excel files \(XLS\)](#).

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SOC Major Groups in Guam:

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Click on the SOC code number to view an occupational profile.

All Occupations top						
			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
00-0000	All Occupations	55,740	\$10.59	\$13.20	\$27,450	2.1 %
Management Occupations top						
			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
11-0000	Management Occupations	4,130	\$21.49	\$25.15	\$52,320	1.3 %
11-1011	Chief Executives	610	\$29.91	\$36.45	\$75,830	2.9 %
11-1021	General and Operations Managers	1,580	\$21.24	\$24.27	\$50,490	1.8 %
11-2011	Advertising and Promotions Managers	60	\$18.48	\$21.71	\$45,160	7.0 %
11-2021	Marketing Managers	90	\$21.43	\$22.19	\$46,150	2.7 %
11-2022	Sales Managers	290	\$18.14	\$20.46	\$42,560	2.8 %
11-3011	Administrative Services Managers	240	\$17.23	\$18.23	\$37,920	2.3 %
11-3021	Computer and Information Systems Managers	50	\$28.96	\$28.36	\$59,000	2.9 %
11-3031	Financial Managers	240	\$23.63	\$26.62	\$55,380	2.1 %
11-3041	Compensation and Benefits Managers	30	\$23.80	\$28.03	\$58,310	8.7 %
11-3061	Purchasing Managers	90	\$17.83	\$20.46	\$42,560	4.7 %

						%
<u>11-3071</u>	Transportation, Storage, and Distribution Managers	40	\$24.72	\$27.05	\$56,270	7.2 %
<u>11-9021</u>	Construction Managers	90	\$22.84	\$25.55	\$53,140	2.9 %
<u>11-9032</u>	Education Administrators, Elementary and Secondary School	90	<u>(4)</u>	<u>(4)</u>	\$54,810	3.0 %
<u>11-9039</u>	Education Administrators, All Other	50	\$17.33	\$19.38	\$40,320	1.8 %
<u>11-9041</u>	Engineering Managers	50	\$27.20	\$29.45	\$61,260	3.6 %
<u>11-9051</u>	Food Service Managers	170	\$13.16	\$13.68	\$28,450	2.7 %
<u>11-9141</u>	Property, Real Estate, and Community Association Managers	<u>(7)</u>	\$13.81	\$16.28	\$33,870	6.9 %
<u>11-9199</u>	Managers, All Other	100	\$27.86	\$28.81	\$59,920	5.7 %

Business and Financial Operations Occupations [top](#)

SOC Code Number	Occupation Title	Employment <u>(1)</u>	Wage Estimates			
			Median Hourly	Mean Hourly	Mean Annual <u>(2)</u>	Mean RSE <u>(3)</u>
<u>13-0000</u>	Business and Financial Operations Occupations	1,860	\$17.09	\$18.80	\$39,110	2.7 %
<u>13-1022</u>	Wholesale and Retail Buyers, Except Farm Products	50	\$13.56	\$18.48	\$38,440	9.4 %
<u>13-1023</u>	Purchasing Agents, Except Wholesale, Retail, and Farm Products	100	\$13.94	\$18.80	\$39,100	6.1 %
<u>13-1031</u>	Claims Adjusters, Examiners, and Investigators	70	\$14.03	\$17.59	\$36,580	6.5 %
<u>13-1041</u>	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	60	\$20.80	\$22.50	\$46,810	4.2 %
<u>13-1051</u>	Cost Estimators	60	\$16.84	\$17.90	\$37,230	2.9 %
<u>13-1073</u>	Training and Development	90	\$12.72	\$14.12	\$29,380	3.8 %

	Specialists						%
13-1111	Management Analysts	120	\$19.67	\$21.01	\$43,690		4.3 %
13-1199	Business Operations Specialists, All Other	120	\$28.20	\$27.99	\$58,230		2.2 %
13-2011	Accountants and Auditors	540	\$16.35	\$17.37	\$36,120		1.5 %
13-2053	Insurance Underwriters	110	\$14.10	\$15.97	\$33,210		7.1 %
13-2072	Loan Officers	100	\$16.66	\$19.61	\$40,790		2.2 %

Computer and Mathematical Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
15-0000	Computer and Mathematical Occupations	330	\$17.08	\$19.36	\$40,270	4.2 %
15-1021	Computer Programmers	30	\$19.21	\$19.12	\$39,760	2.3 %
15-1041	Computer Support Specialists	100	\$15.03	\$16.03	\$33,330	4.4 %
15-1051	Computer Systems Analysts	60	\$23.58	\$25.92	\$53,920	6.8 %
15-2031	Operations Research Analysts	40	\$10.70	\$13.37	\$27,810	5.0 %

Architecture and Engineering Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
17-0000	Architecture and Engineering Occupations	820	\$19.80	\$21.17	\$44,030	4.2 %
17-2051	Civil Engineers	250	\$20.07	\$21.37	\$44,450	1.4 %
17-2072	Electronics Engineers, Except Computer	110	\$20.96	\$20.84	\$43,350	3.5 %

17-3011	Architectural and Civil Drafters	70	\$16.40	\$19.04	\$39,610	9.9 %
17-3023	Electrical and Electronic Engineering Technicians	70	\$19.37	\$19.27	\$40,090	7.2 %

Life, Physical, and Social Science Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
19-0000	Life, Physical, and Social Science Occupations	280	\$17.74	\$20.98	\$43,640	5.1 %

Community and Social Services Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
21-0000	Community and Social Services Occupations	460	\$14.12	\$15.15	\$31,500	1.6 %
21-1012	Educational, Vocational, and School Counselors	140	\$17.94	\$17.99	\$37,420	1.5 %
21-2011	Clergy	30	\$12.15	\$13.97	\$29,060	7.7 %

Legal Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
23-0000	Legal Occupations	190	\$27.86	\$34.36	\$71,470	6.8 %
23-1011	Lawyers	90	\$41.96	\$50.50	\$105,040	7.4 %
23-2011	Paralegals and Legal Assistants	40	\$17.65	\$20.60	\$42,850	7.5 %
23-2093	Title Examiners, Abstractors, and Searchers	30	\$13.37	\$15.76	\$32,780	15.1 %

Education, Training, and Library Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
25-0000	Education, Training, and Library Occupations	4,390	\$15.44	\$16.35	\$34,000	1.4 %
25-2011	Preschool Teachers, Except Special Education	130	\$9.12	\$9.61	\$19,990	1.8 %
25-2012	Kindergarten Teachers, Except Special Education	190	(4)	(4)	\$32,500	2.4 %
25-2021	Elementary School Teachers, Except Special Education	960	(4)	(4)	\$35,150	2.4 %
25-2022	Middle School Teachers, Except Special and Vocational Education	460	(4)	(4)	\$32,550	2.2 %
25-2031	Secondary School Teachers, Except Special and Vocational Education	470	(4)	(4)	\$35,020	2.9 %
25-3021	Self-Enrichment Education Teachers	50	\$10.69	\$11.97	\$24,900	3.7 %
25-3099	Teachers and Instructors, All Other	320	(4)	(4)	\$43,010	1.9 %
25-4021	Librarians	30	\$18.18	\$17.58	\$36,570	2.5 %
25-4031	Library Technicians	50	\$13.10	\$13.00	\$27,040	1.8 %
25-9031	Instructional Coordinators	60	\$20.42	\$21.37	\$44,460	4.2 %
25-9041	Teacher Assistants	910	(4)	(4)	\$20,770	2.1 %

Arts, Design, Entertainment, Sports, and Media Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
27-0000	Arts, Design,	470	\$11.25	\$12.74	\$26,500	2.6

	Entertainment, Sports, and Media Occupations					%
27-1024	Graphic Designers	50	\$12.47	\$13.66	\$28,410	3.7 %
27-4031	Camera Operators, Television, Video, and Motion Picture	30	\$8.47	\$8.58	\$17,840	3.4 %

Healthcare Practitioner and Technical Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
29-0000	Healthcare Practitioner and Technical Occupations	1,500	\$19.47	\$26.22	\$54,530	3.1 %
29-1021	Dentists, General	30	\$51.51	\$53.11	\$110,460	11.7 %
29-1051	Pharmacists	40	\$35.04	\$34.50	\$71,760	2.1 %
29-1062	Family and General Practitioners	80	(5)	\$83.22	\$173,100	8.9 %
29-1111	Registered Nurses	500	\$21.68	\$23.10	\$48,040	2.3 %
29-1123	Physical Therapists	(7)	\$20.83	\$31.02	\$64,510	9.8 %
29-2012	Medical and Clinical Laboratory Technicians	60	\$12.93	\$13.66	\$28,420	1.5 %
29-2021	Dental Hygienists	60	\$14.90	\$16.35	\$34,010	7.8 %
29-2034	Radiologic Technologists and Technicians	60	\$11.91	\$14.64	\$30,450	2.0 %
29-2052	Pharmacy Technicians	60	\$11.72	\$12.46	\$25,920	2.3 %
29-2061	Licensed Practical and Licensed Vocational Nurses	110	\$15.42	\$15.51	\$32,260	1.8 %
29-2071	Medical Records and Health Information Technicians	40	\$10.25	\$11.08	\$23,040	4.2 %

Healthcare Support Occupations [top](#)

		Wage Estimates				
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SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
31-0000	Healthcare Support Occupations	640	\$10.23	\$10.73	\$22,310	4.4 %
31-1012	Nursing Aides, Orderlies, and Attendants	160	\$9.97	\$10.05	\$20,900	4.8 %
31-9091	Dental Assistants	110	\$12.15	\$12.48	\$25,950	3.4 %
31-9092	Medical Assistants	130	\$11.64	\$11.54	\$24,000	2.8 %

Protective Service Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
33-0000	Protective Service Occupations	2,510	\$11.83	\$12.36	\$25,710	5.0 %
33-9032	Security Guards	920	\$6.30	\$6.58	\$13,700	3.1 %
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	50	\$8.70	\$8.89	\$18,500	2.3 %
33-9099	Protective Service Workers, All Other	410	\$12.80	\$14.30	\$29,740	1.5 %

Food Preparation and Serving Related Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
35-0000	Food Preparation and Serving Related Occupations	5,480	\$6.48	\$7.09	\$14,740	1.2 %
35-1011	Chefs and Head Cooks	120	\$13.03	\$14.72	\$30,610	4.1 %
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving	360	\$8.83	\$10.11	\$21,020	2.2 %

	Workers					
35-2011	Cooks, Fast Food	350	\$6.17	\$6.16	\$12,810	3.2 %
35-2014	Cooks, Restaurant	590	\$7.97	\$8.31	\$17,280	2.4 %
35-2015	Cooks, Short Order	130	\$6.78	\$7.49	\$15,580	3.4 %
35-2021	Food Preparation Workers	660	\$6.39	\$7.00	\$14,560	4.1 %
35-3011	Bartenders	230	\$6.85	\$6.93	\$14,420	1.5 %
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	610	\$6.17	\$6.05	\$12,580	1.8 %
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	300	\$6.48	\$6.57	\$13,670	2.0 %
35-3031	Waiters and Waitresses	1,340	\$6.24	\$6.21	\$12,920	1.4 %
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	100	\$6.26	\$6.32	\$13,140	2.9 %
35-9021	Dishwashers	410	\$6.24	\$6.38	\$13,280	2.3 %
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	160	\$6.37	\$6.49	\$13,490	3.3 %

Building and Grounds Cleaning and Maintenance Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
37-0000	Building and Grounds Cleaning and Maintenance Occupations	2,950	\$6.85	\$7.96	\$16,560	2.0 %
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	390	\$10.65	\$12.00	\$24,970	2.9 %
37-1012	First-Line	30	\$11.07	\$13.09	\$27,230	3.3 %

	Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers					%
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	980	(7)	(7)	(7)	(7)
37-2012	Maids and Housekeeping Cleaners	1,020	\$6.29	\$6.35	\$13,210	1.8 %
37-3011	Landscaping and Groundskeeping Workers	380	\$7.44	\$7.83	\$16,290	2.3 %
37-3019	Grounds Maintenance Workers, All Other	100	\$7.46	\$7.87	\$16,370	6.0 %

Personal Care and Service Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
39-0000	Personal Care and Service Occupations	1,680	(7)	(7)	(7)	(7)
39-1021	First-Line Supervisors/Managers of Personal Service Workers	60	\$12.11	\$14.40	\$29,950	3.2 %
39-3031	Ushers, Lobby Attendants, and Ticket Takers	80	\$6.08	\$5.96	\$12,400	4.0 %
39-3091	Amusement and Recreation Attendants	150	\$6.58	\$7.26	\$15,100	3.4 %
39-5012	Hairdressers, Hairstylists, and Cosmetologists	90	\$8.68	\$11.51	\$23,940	3.6 %
39-6011	Baggage Porters and Bellhops	150	\$6.36	\$6.38	\$13,270	2.1 %
39-6012	Concierges	80	\$9.10	\$9.31	\$19,370	7.1 %
39-6021	Tour Guides and Escorts	180	\$8.62	\$9.30	\$19,330	2.7 %
39-6022	Travel Guides	40	\$7.47	\$9.08	\$18,880	5.8 %
39-9011	Child Care Workers	280	\$6.97	\$7.39	\$15,360	3.8 %
39-9031	Fitness Trainers and Aerobics Instructors	50	\$15.14	\$13.54	\$28,170	8.0 %

Sales and Related Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
41-0000	Sales and Related Occupations	4,850	\$7.34	\$9.40	\$19,550	2.2 %
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	600	\$10.59	\$14.27	\$29,680	8.3 %
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	130	\$15.50	\$16.50	\$34,320	3.3 %
41-2011	Cashiers	1,730	\$6.43	\$6.79	\$14,120	1.2 %
41-2021	Counter and Rental Clerks	160	\$6.73	\$7.68	\$15,980	2.8 %
41-2022	Parts Salespersons	90	\$7.99	\$8.50	\$17,680	2.1 %
41-2031	Retail Salespersons	1,040	\$7.24	\$8.38	\$17,430	2.7 %
41-3011	Advertising Sales Agents	70	\$14.83	\$16.14	\$33,560	2.5 %
41-3021	Insurance Sales Agents	40	\$13.25	\$17.56	\$36,530	8.8 %
41-3041	Travel Agents	120	\$11.70	\$13.12	\$27,300	5.8 %
41-3099	Sales Representatives, Services, All Other	90	\$10.78	\$14.93	\$31,050	18.5 %
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	60	\$12.47	\$13.86	\$28,840	8.6 %
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	300	\$9.17	\$10.21	\$21,240	2.5 %

Office and Administrative Support Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment <u>(1)</u>	Median Hourly	Mean Hourly	Mean Annual <u>(2)</u>	Mean RSE <u>(3)</u>
<u>43-0000</u>	Office and Administrative Support Occupations	10,120	\$10.55	\$11.81	\$24,560	2.2 %
<u>43-1011</u>	First-Line Supervisors/Managers of Office and Administrative Support Workers	800	\$16.39	\$18.23	\$37,920	2.9 %
<u>43-2011</u>	Switchboard Operators, Including Answering Service	110	\$7.80	\$8.62	\$17,930	4.2 %
<u>43-3011</u>	Bill and Account Collectors	170	\$10.57	\$11.04	\$22,970	2.8 %
<u>43-3021</u>	Billing and Posting Clerks and Machine Operators	210	\$9.91	\$10.55	\$21,930	2.8 %
<u>43-3031</u>	Bookkeeping, Accounting, and Auditing Clerks	780	\$11.08	\$11.67	\$24,280	1.1 %
<u>43-3051</u>	Payroll and Timekeeping Clerks	130	\$11.04	\$11.53	\$23,990	2.2 %
<u>43-3061</u>	Procurement Clerks	70	\$15.94	\$15.40	\$32,020	2.0 %
<u>43-3071</u>	Tellers	360	\$9.07	\$9.29	\$19,320	1.4 %
<u>43-4051</u>	Customer Service Representatives	1,010	\$9.42	\$10.96	\$22,790	3.8 %
<u>43-4071</u>	File Clerks	130	\$7.91	\$8.36	\$17,390	2.1 %
<u>43-4081</u>	Hotel, Motel, and Resort Desk Clerks	240	\$7.14	\$8.82	\$18,340	7.6 %
<u>43-4111</u>	Interviewers, Except Eligibility and Loan	40	<u>(7)</u>	<u>(7)</u>	<u>(7)</u>	<u>(7)</u>
<u>43-4151</u>	Order Clerks	70	\$9.05	\$10.33	\$21,490	7.6 %
<u>43-4161</u>	Human Resources Assistants, Except Payroll and Timekeeping	90	\$12.93	\$13.60	\$28,290	3.1 %
<u>43-4171</u>	Receptionists and Information Clerks	330	\$8.03	\$8.57	\$17,820	1.5 %
<u>43-4181</u>	Reservation and Transportation Ticket Agents and Travel Clerks	400	\$14.74	\$13.63	\$28,350	4.6 %

43-4199	Information and Record Clerks, All Other	150	\$18.65	\$19.95	\$41,490	2.0 %
43-5021	Couriers and Messengers	160	\$8.76	\$9.60	\$19,970	5.3 %
43-5032	Dispatchers, Except Police, Fire, and Ambulance	110	\$11.00	\$12.16	\$25,290	5.0 %
43-5051	Postal Service Clerks	30	\$23.42	\$22.97	\$47,780	(7)
43-5052	Postal Service Mail Carriers	30	\$23.66	\$23.23	\$48,320	(7)
43-5061	Production, Planning, and Expediting Clerks	140	\$12.54	\$12.45	\$25,910	5.2 %
43-5071	Shipping, Receiving, and Traffic Clerks	220	\$12.58	\$12.65	\$26,300	4.9 %
43-5081	Stock Clerks and Order Fillers	970	\$7.27	\$8.52	\$17,720	2.8 %
43-6011	Executive Secretaries and Administrative Assistants	950	\$12.09	\$12.82	\$26,660	2.4 %
43-6012	Legal Secretaries	70	\$16.22	\$16.16	\$33,620	2.7 %
43-6014	Secretaries, Except Legal, Medical, and Executive	380	\$11.83	\$12.23	\$25,430	4.7 %
43-9011	Computer Operators	90	\$11.81	\$12.39	\$25,760	3.8 %
43-9021	Data Entry Keyers	90	\$9.43	\$10.05	\$20,910	2.1 %
43-9022	Word Processors and Typists	220	\$12.35	\$12.75	\$26,520	1.3 %
43-9041	Insurance Claims and Policy Processing Clerks	50	\$10.51	\$11.70	\$24,330	3.0 %
43-9061	Office Clerks, General	900	\$7.92	\$8.76	\$18,220	2.4 %
43-9199	Office and Administrative Support Workers, All Other	40	\$13.01	\$13.72	\$28,530	3.4 %

Construction and Extraction Occupations [top](#)

		Wage Estimates				
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
47-0000	Construction and Extraction	4,420	\$11.80	\$12.09	\$25,150	1.3

	Occupations						%
<u>47-1011</u>	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	220	\$17.82	\$19.47	\$40,500		1.7 %
<u>47-2021</u>	Brickmasons and Blockmasons	110	\$12.44	\$12.43	\$25,860		2.1 %
<u>47-2031</u>	Carpenters	860	\$12.42	\$12.54	\$26,070		0.9 %
<u>47-2041</u>	Carpet Installers	30	\$8.68	\$8.34	\$17,350		2.1 %
<u>47-2051</u>	Cement Masons and Concrete Finishers	340	\$12.27	\$12.16	\$25,300		1.0 %
<u>47-2061</u>	Construction Laborers	580	\$8.26	\$8.89	\$18,480		1.9 %
<u>47-2073</u>	Operating Engineers and Other Construction Equipment Operators	130	\$11.16	\$11.97	\$24,890		2.3 %
<u>47-2111</u>	Electricians	510	\$13.22	\$13.59	\$28,260		1.1 %
<u>47-2141</u>	Painters, Construction and Maintenance	420	\$10.87	\$11.26	\$23,430		5.9 %
<u>47-2152</u>	Plumbers, Pipefitters, and Steamfitters	170	\$13.73	\$14.22	\$29,570		1.6 %
<u>47-2161</u>	Plasterers and Stucco Masons	50	\$10.82	\$10.94	\$22,740		2.1 %
<u>47-2171</u>	Reinforcing Iron and Rebar Workers	80	\$11.03	\$11.05	\$22,980		1.6 %
<u>47-2211</u>	Sheet Metal Workers	90	\$11.82	\$12.28	\$25,540		3.7 %
<u>47-2221</u>	Structural Iron and Steel Workers	70	\$10.14	\$10.57	\$21,990		2.8 %
<u>47-3012</u>	Helpers--Carpenters	90	\$8.87	\$8.90	\$18,520		2.0 %
<u>47-3013</u>	Helpers--Electricians	190	\$8.68	\$8.66	\$18,000		3.1 %
<u>47-3019</u>	Helpers, Construction Trades, All Other	50	<u>(7)</u>	<u>(7)</u>	<u>(7)</u>		<u>(7)</u>
<u>47-4041</u>	Hazardous Materials Removal Workers	30	\$9.78	\$10.81	\$22,490		11.1 %

Installation, Maintenance, and Repair Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
49-0000	Installation, Maintenance, and Repair Occupations	2,790	\$12.03	\$13.16	\$27,380	2.6 %
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	200	\$16.83	\$18.12	\$37,700	3.8 %
49-2011	Computer, Automated Teller, and Office Machine Repairers	40	\$11.86	\$12.79	\$26,610	11.9 %
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	70	\$20.02	\$19.80	\$41,180	3.6 %
49-3021	Automotive Body and Related Repairers	70	\$9.48	\$10.45	\$21,740	5.0 %
49-3023	Automotive Service Technicians and Mechanics	240	\$11.88	\$12.31	\$25,610	3.0 %
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	130	\$12.38	\$12.98	\$27,000	5.2 %
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	130	\$13.46	\$14.09	\$29,300	1.9 %
49-3093	Tire Repairers and Changers	40	\$6.61	\$6.91	\$14,370	2.9 %
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	100	\$14.84	\$15.76	\$32,790	4.9 %
49-9041	Industrial Machinery Mechanics	40	\$12.99	\$15.80	\$32,870	13.3 %
49-9042	Maintenance and Repair Workers, General	1,040	\$10.75	\$11.15	\$23,180	4.3 %
49-9052	Telecommunications Line Installers and Repairers	60	\$12.31	\$14.95	\$31,100	11.8 %
49-9098	Helpers--Installation, Maintenance, and Repair Workers	210	\$8.94	\$9.22	\$19,180	2.6 %
49-9099	Installation, Maintenance, and Repair Workers, All Other	40	\$19.77	\$17.71	\$36,830	9.2 %

Production Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
51-0000	Production Occupations	1,730	\$9.21	\$10.73	\$22,320	3.2 %
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	60	\$13.79	\$15.49	\$32,210	3.0 %
51-2092	Team Assemblers	60	\$11.06	\$11.36	\$23,620	2.8 %
51-3011	Bakers	170	\$6.89	\$7.30	\$15,190	2.0 %
51-3021	Butchers and Meat Cutters	90	\$10.20	\$11.18	\$23,250	5.5 %
51-4121	Welders, Cutters, Solderers, and Brazers	190	\$12.88	\$13.16	\$27,380	1.8 %
51-6011	Laundry and Dry-Cleaning Workers	150	\$6.31	\$6.47	\$13,470	3.1 %
51-6052	Tailors, Dressmakers, and Custom Sewers	(7)	\$13.33	\$14.34	\$29,820	9.9 %
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	60	\$19.04	\$19.53	\$40,630	6.1 %
51-9198	Helpers--Production Workers	120	\$6.57	\$7.26	\$15,090	3.8 %
51-9199	Production Workers, All Other	170	\$6.58	\$7.07	\$14,700	2.9 %

Transportation and Material Moving Occupations [top](#)

			Wage Estimates			
SOC Code Number	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
53-0000	Transportation and Material Moving Occupations	4,150	\$8.92	\$9.75	\$20,270	3.0 %
53-1021	First-Line	60	\$13.19	\$14.58	\$30,320	4.3 %

	Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand					%
<u>53-1031</u>	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	60	\$15.25	\$18.06	\$37,560	6.4 %
<u>53-2021</u>	Air Traffic Controllers	40	\$23.39	\$23.16	\$48,170	3.8 %
<u>53-3021</u>	Bus Drivers, Transit and Intercity	400	\$8.23	\$9.09	\$18,910	1.9 %
<u>53-3031</u>	Driver/Sales Workers	320	\$7.77	\$9.71	\$20,190	8.1 %
<u>53-3032</u>	Truck Drivers, Heavy and Tractor-Trailer	360	\$10.79	\$11.70	\$24,330	3.3 %
<u>53-3033</u>	Truck Drivers, Light or Delivery Services	380	\$7.52	\$8.04	\$16,720	2.4 %
<u>53-3041</u>	Taxi Drivers and Chauffeurs	50	\$6.57	\$6.92	\$14,390	4.3 %
<u>53-5011</u>	Sailors and Marine Oilers	40	\$9.42	\$9.61	\$19,980	8.3 %
<u>53-5021</u>	Captains, Mates, and Pilots of Water Vessels	60	\$18.17	\$18.59	\$38,660	4.8 %
<u>53-6031</u>	Service Station Attendants	150	\$6.25	\$6.15	\$12,790	2.3 %
<u>53-7021</u>	Crane and Tower Operators	60	\$15.36	\$15.43	\$32,090	1.6 %
<u>53-7032</u>	Excavating and Loading Machine and Dragline Operators	100	\$13.22	\$12.94	\$26,920	2.0 %
<u>53-7051</u>	Industrial Truck and Tractor Operators	90	\$8.96	\$10.77	\$22,400	8.6 %
<u>53-7061</u>	Cleaners of Vehicles and Equipment	460	\$6.15	\$6.19	\$12,880	4.5 %
<u>53-7064</u>	Packers and Packagers, Hand	190	\$6.24	\$6.18	\$12,850	1.8 %

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(1) Estimates for detailed occupations do not sum to the totals because the totals include occupations not shown separately. Estimates do not include self-employed workers.

(2) Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

(3) The relative standard error (RSE) is a measure of the reliability of a survey statistic. The smaller the relative standard error, the more precise the estimate.

(4) Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

(5) This wage is equal to or greater than \$70.00 per hour or \$145,600 per year.

(7) Estimates not released.

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Division of Occupational Employment Statistics
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Technical Notes for November 2004 OES Estimates

The Occupational Employment Statistics (OES) survey is a semiannual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments in the United States. Guam, Puerto Rico, and the Virgin Islands also are surveyed, but their data are not included in this release. OES estimates are constructed from a sample of 1.2 million establishments. Forms are mailed to about 200,000 establishments in May and November of each year for a 3-year period. The nationwide response rate for the November 2004 survey was 78.7 percent for establishments, covering 73.0 percent of employment. The survey included establishments sampled in the November 2004, May 2004, November 2003, May 2003, and November 2002 semiannual panels and about half of the 2001 annual panel.

The Occupational Coding System

The OES survey uses the Office of Management and Budget's (OMB) occupational classification system, the Standard Occupational Classification (SOC) system. The SOC system is the first OMB-required occupational classification system for federal agencies. The OES survey categorizes workers in 1 of 801 detailed occupations. Together, these detailed occupations comprise 23 major occupational groups, one of which—military specific occupations—is not included in the OES survey. The major groups are as follows:

- Management occupations
- Business and financial operations occupations
- Computer and mathematical occupations
- Architecture and engineering occupations
- Life, physical, and social science occupations
- Community and social services occupations
- Legal occupations
- Education, training and library occupations
- Arts, design, entertainment, sports, and media occupations
- Healthcare practitioners and technical occupations
- Healthcare support occupations

Protective service occupations
Food preparation and serving related occupations
Building and grounds cleaning and maintenance occupations
Personal care and service occupations
Sales and related occupations
Office and administrative support occupations
Farming, fishing, and forestry, occupations
Construction, and extraction occupations
Installation, maintenance, and repair occupations
Production occupations
Transportation and material moving occupations
Military specific occupations (not surveyed in OES).

For more information about the SOC, please see the BLS Web site at <http://www.bls.gov/soc>.

The Industry Coding System

The OES survey uses the North American Industry Classification System (NAICS). For more information about NAICS, see the BLS Web site at <http://www.bls.gov/bls/naics.htm>.

The OES survey includes establishments in NAICS sectors 11 (logging and agricultural support activities only), 21, 22, 23, 31-33, 42, 44-45, 48-49, 51, 52, 53, 54, 55, 56, 61, 62, 71, 72, 81 (except private households), state government, and local government. The federal government and the U.S. Postal Service also are included. An establishment is defined as an economic unit that processes goods or provides services, such as a factory, mine, or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The OES survey covers all full- and part-time wage and salary workers in nonfarm industries. The survey does not include the self-employed owners and partners in unincorporated firms, household workers, or unpaid family workers.

Survey Sample

BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies (SWAs) collect most of the data. BLS produces cross-industry and industry-specific estimates for the nation, states, and metropolitan statistical areas (MSAs). Industry-specific estimates are produced at the NAICS sector, 3-digit, 4-digit, and selected 5-digit industry levels. BLS releases all cross-industry and national estimates; the SWAs release industry-specific estimates at the state and MSA levels.

State Unemployment Insurance (UI) files provide the universe from which the OES survey draws its sample. Employment benchmarks are obtained from reports submitted by employers to the UI program. Supplemental sources are used for rail transportation (NAICS 4821) and Guam because they do not report to the UI program. The OES survey sample is stratified by area, industry, and employment size.

A census of federal government and the U.S. Postal Service is taken every panel. A

census of state government and Hawaii's local government is taken every November panel. Units in rail transportation (NAICS 482), hospitals (NAICS 622), and state-owned educational services (NAICS 611) are sampled with certainty across a 3-year period. Establishments with 250 or more employees are sampled with virtual certainty across a 3-year period with about one-sixth sampled in each panel.

Concepts

Occupational employment is the estimate of total wage and salary employment in an occupation across the industries surveyed. The OES survey defines employment as the number of workers who can be classified as full- or part-time employees, including workers on paid vacations or other types of paid leave; workers on unpaid short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station regardless of whether that unit prepares their paycheck.

The OES survey form sent to establishments with more than 10 workers contains between 50 and 225 SOC occupations selected on the basis of the sampled establishment's industry classification. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected primarily from establishments in industries that are the predominant employers of workers in those occupations. Each survey form is structured, however, to allow a respondent to provide detailed occupational information for each worker at the establishment; that is, unlisted occupations can be added to the survey form. Employers with 10 or fewer workers are sent a form with no occupations listed, and are instructed to fill in the occupations for their workers.

Wages for the OES survey are straight-time, gross pay, exclusive of premium pay. Base rate, cost-of-living allowances, guaranteed pay, hazardous-duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay are included. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost for supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals used for the November 2004 survey are as follows:

Interval	Hourly Wages	Annual Wages
Range A	Under \$6.75	Under \$14,040
Range B	\$6.75 to \$8.49	\$14,040 to \$17,679
Range C	\$8.50 to \$10.74	\$17,680 to \$22,359
Range D	\$10.75 to \$13.49	\$22,360 to \$28,079

Range F	\$17.00 to \$21.49	\$35,360 to \$44,719
Range G	\$21.50 to \$27.24	\$44,720 to \$56,679
Range H	\$27.25 to \$34.49	\$56,680 to \$71,759
Range I	\$34.50 to \$43.74	\$71,760 to \$90,999
Range J	\$43.75 to \$55.49	\$91,000 to \$115,439
Range K	\$55.50 to \$69.99	\$115,440 to \$145,599
Range L	\$70.00 and over	\$145,600 and over

Mean hourly wage. The mean hourly wage rate for an occupation is the total wages that all workers in the occupation earn in an hour divided by the total employment of the occupation. To calculate the mean hourly wage of each occupation, total weighted hourly wages are summed across all intervals and divided by the occupation's weighted survey employment. The mean wage for each interval is based on occupational wage data collected by the BLS Office of Compensation and Working Conditions for the National Compensation Survey (NCS).

The mean hourly wage value for the highest wage interval, \$70.00 and over, was computed separately for NCS data from 2004, 2003, 2002, and 2001. The average of these mean wage rates was used for all of the \$70.00 and over data in the November 2004 survey. The wage rates for this interval do not go through any wage updating procedures.

Because there is wide variation in the number of hours worked by those employed as actors, dancers, musicians, and singers, only hourly wages are available for those occupations. Many jobs are for a duration of 1 day or 1 week and it is extremely rare for a performer to have guaranteed employment for a period that exceeds 3 to 6 months.

Percentile wage. The p-th percentile wage rate for an occupation is the wage where p percent of all workers earn that amount or less and where (100-p) percent of all workers earn that amount or more. This statistic is calculated by uniformly distributing the workers inside each wage interval, ranking the workers from lowest paid to highest paid, and calculating the product of the total employment for the occupation and the desired percentile to determine the worker that earns the p-th percentile wage rate.

Annual wage. Many employees are paid at an hourly rate by their employers and may work more than or less than 40 hours per week. Annual wage estimates for most occupations in this release are calculated by multiplying the mean hourly wage by a "year-round, full-time" figure of 2,080 hours (52 weeks by 40 hours). Thus, annual wage estimates may not represent the actual annual pay received by the employee if they work more or less than 2,080 hours per year. Some workers typically work less than full time year round. For these occupations, the OES survey collects and reports either the annual salary or the hourly wage rate, depending on how the occupation is

paid an annual salary, but do not work the usual 2,080 hours per year. In this case, an annual salary is reported. Other workers, such as entertainment workers are paid hourly rates, but generally do not work full time, year round. For these workers, only an hourly wage is reported.

Hourly versus annual wage reporting. For each occupation, respondents are asked to report the number of employees paid within specific wage intervals. The intervals are defined both as hourly rates and the corresponding annual rates, where the annual rate for an occupation is calculated by multiplying the hourly wage rate by a typical work year of 2,080 hours. The responding establishment can reference either the hourly or the annual rate for full-time workers, but they are instructed to report the hourly rate for part-time workers.

Estimation methodology

Each OES panel includes approximately 200,000 establishments. The OES survey is designed to produce estimates using six panels (3 years) of data. The full six-panel sample of 1.2 million establishments allows the production of estimates at detailed levels of geography, industry, and occupation. Combining six panels of data is also necessary to obtain the full complement of certainty establishments. (Note: The first semiannual panel was in November 2002. Prior to that, about 400,000 establishments were surveyed annually. Each earlier sample is a two-panel equivalent.)

Wage Updating. Significant reductions in sampling errors are obtained by combining six panels of data, particularly for small geographic areas and occupations. Wages for the current panel need no adjustment. However, wages in the five previous panels need to be updated to the current panel's reference period.

The OES program uses the BLS Employment Cost Index (ECI) to adjust survey data from prior panels before combining them with the current panel's data. The wage updating procedure adjusts each detailed occupation's wage rate, as measured in the earlier panel, according to the average movement of its broader occupational division. The procedure assumes that there are no major differences by geography, industry, or detailed occupation within the occupational division.

Imputation. Over 20 percent of establishments do not respond for a given panel. A "nearest neighbor" hot deck imputation procedure is used to impute missing occupational employment totals. A variant of mean imputation is used to impute missing wage distributions. The variant of mean imputation for wage distributions also is applied to establishments that provide reports with occupational totals but partial or missing wage data.

Weighting and benchmarking. The sample establishments in each panel are weighted to represent all establishments that were part of the in-scope frame from which the panel was selected. Based on the sampled establishments, weights are adjusted when six panels are combined. Weights are adjusted by benchmarking employment totals from the OES survey to employment figures derived from the BLS Quarterly Census of Employment and Wages.

November 2004 OES survey estimates. The November 2004 OES survey estimates are

based on all data collected from establishments in the November 2004, May 2004, November 2003, May 2003, and November 2002 semi-annual samples and about half of the 2001 annual sample. During estimates processing, OES employment data were benchmarked to the average employment for November 2004 and May 2004 from the BLS Quarterly Census of Employment and Wages.

Reliability of the estimates. Estimates calculated from a sample survey are subject to two types of error: sampling and nonsampling. Sampling error occurs when estimates are calculated from a subset (i.e., sample) of the population instead of the full population. When a sample of the population is surveyed, there is a chance that the sample estimate of the characteristic of interest may differ from the population value of that characteristic. Differences between the sample estimate and the population value will vary depending on the sample selected. This variability can be estimated by calculating the standard error (SE) of the sample estimate. If we were to repeat the sampling and estimation process countless times using the same survey design, approximately 90 percent of the intervals created by adding and subtracting 1.645 SEs from the sample estimate would include the population value. These intervals are called 90-percent confidence intervals. The OES survey, however, usually uses the relative standard error (RSE) of a sample estimate instead of its SE to measure sampling error. RSE is defined as the SE of a sample estimate divided by the sample estimate itself. This statistic provides the user with a measure of the relative precision of the sample estimate. RSEs are calculated for both occupational employment and mean wage rate estimates. Occupational employment RSEs are calculated using a subsample, random group replication technique called the jackknife. Mean wage rate RSEs are calculated using a variance components model that accounts for both the observed and unobserved components of the wage data. The variances of the unobserved components are estimated using wage data from the BLS National Compensation Survey. In general, estimates based on many establishments have lower RSEs than estimates based on few establishments. If the distributional assumptions of the models are violated, the resulting confidence intervals may not reflect the prescribed level of confidence.

Nonsampling error occurs for a variety of reasons, none of which are directly connected to sampling. Examples of nonsampling error include: nonresponse, data incorrectly reported by the respondent, mistakes made in entering collected data into the database, and mistakes made in editing and processing the collected data.

Additional information

The November 2004 OES national data by occupation, comparable to data in table 1, will be available soon on the BLS Web site at <http://www.bls.gov/oes>. Users also may access each occupation's definition and percentile wages. The November 2004 cross-industry data for states and metropolitan areas will be available on the BLS Web site in November 2005. Industry staffing patterns at the sector, 3-, 4-, and selected 5-digit NAICS levels also will be available from the Internet beginning in November 2005. These data will include industry-specific occupational employment and wage data.

For additional information, contact the Office of Employment and Unemployment Statistics, Division of Occupational Employment Statistics, Room 2135, 2 Massachusetts Avenue, NE, Washington, DC, 20212; telephone 202-691-6569 (e-mail:

oesinfo@bls.gov).

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: 202-691-5200; TDD message referral phone number: 1-800-877-8339.

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November 2004 OES Estimates

Occupational Employment Statistics (OES) Survey

Bureau of Labor Statistics, Department of Labor

website: <http://stat.bls.gov/oes/home.htm>

phone: 202-691-6569

Not all fields are available for every set of estimates files

Field	Field Description
prim_state	The primary State for the MSA (only on MSA file)
area	The MSA code or the State fips code
st	The State abbreviation (only on the State file)
state	The State name (only on the State file)
area_name	The MSA name (only on the MSA files)
naics	The North American Industry Classification System (NAICS) code for the given industry (only on the national industry files)
naics_title	The North American Industry Classification System (NAICS) title for the given industry (only on the national industry files)
occ_code	The 7-digit Standard Occupational Classification (SOC) code for the occupation
occ_title	The Standard Occupational Classification title for the occupation
group	Contains "major" if this is a SOC major group occupation, otherwise this column is blank
tot_emp	The estimated total employment rounded to the nearest 10 (excludes self-employed)
emp_prse ¹	The percent relative standard error for the employment
pct_total ²	The percent of industry employment in the given occupation (only on the national industry files)
pct_rpt	The percent of establishments reporting the given occupation in the given industry (only on the national industry files)
h_mean	The mean hourly wage
a_mean	The mean annual wage
mean_prse ¹	The percent relative standard error for the mean wage
h_pct10	The hourly 10th percentile wage
h_pct25	The hourly 25th percentile wage
h_median	The hourly median wage (or the 50th percentile)
h_pct75	The hourly 75th percentile wage
h_pct90	The hourly 90th percentile wage
a_pct10	The annual 10th percentile wage
a_pct25	The annual 25th percentile wage
a_median	The annual median wage (or the 50th percentile)
a_pct75	The annual 75th percentile wage
a_pct90	The annual 90th percentile wage
annual	Contains "TRUE" if only the annual wages are released. The OES program only releases the annual wage for some occupations that typically work fewer than 2080 hours per year, such as teachers, pilots, and entertainment workers.
hourly	Contains "TRUE" if only the hourly wages are released. There is wide variation in the number of hours worked by those employed as actors, dancers, musicians, and singers. Many jobs are for a duration of 1 day or 1 week and it is extremely rare for a performer to have guaranteed employment for a period that exceeds 3 to 6 months.

Notes:

¹ Relative Standard Error (RSE) is a measure of the reliability of a statistic; the smaller the relative standard error, the more precise the estimate

² Percents do not total to 100 due to occupational data not reported

* = indicates that a wage estimate is not available

** = indicates that an employment estimate is not available

= indicates a wage greater than \$70.00 per hour or \$145,600 per year

JOC_CODE	OCC_TITLE	GROUP	TOT_EMP	MPRSE	H_PCT10	H_PCT25	MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	MEDIAN	A_PCT75	A_PCT90
00-0000	All Occupations		55740	0.9	5.99	7.06	10.59	15.97	22.85	12470	14670	22040	33220	47540
11-0000	Management occupations	major	4130	2.3	10.73	15.01	21.49	31.07	43.07	22310	31220	44700	64620	89580
11-1011	Chief executives		610	3.5	12.60	21.68	29.91	44.83	62.00	26200	45090	62220	93250	#
11-1021	General and operations managers		1580	3.4	10.71	15.17	21.24	30.01	41.15	22280	31550	44180	62420	85600
11-2011	Advertising and promotions managers		60	14.3	21.71	31.90	46.18	70.42	107.42	24760	38430	54300	77830	77830
11-2021	Marketing managers		90	6.6	22.19	34.89	54.43	84.27	125.07	30970	44580	61900	87240	72940
11-2022	Sales managers		290	5.7	10.79	14.01	18.14	24.78	32.32	22450	31730	43600	61530	67220
11-3011	Administrative services managers		240	7.8	12.83	17.23	23.42	34.27	47.42	20530	26900	36850	50300	57030
11-3021	Computer and information systems managers		50	9.8	13.96	19.92	28.96	37.56	41.94	29040	41430	60230	78130	87240
11-3031	Financial managers		240	4.2	26.62	35.38	46.14	60.34	73.65	37730	49160	70800	90790	70800
11-3041	Compensation and benefits managers		30	5.0	13.68	17.13	23.80	32.36	42.91	28460	35620	49500	67310	89240
11-3061	Purchasing managers		90	5.6	20.46	27.12	35.92	47.19	54.72	20630	25220	37080	56560	72220
11-3071	Transportation, storage, and distribution managers		40	11.7	13.58	16.67	22.42	38.53	43.03	28240	34670	47520	66380	89490
11-9021	Construction managers		90	6.5	13.58	17.99	22.84	31.91	39.53	28260	34710	47520	66380	82220
11-9032	Education administrators, elementary and secondary school		90	3.2	25.55	*	*	*	*	26840	41990	56140	67760	81170
11-9039	Education administrators, all other		50	6.0	19.38	23.02	27.33	34.90	33.30	30300	36040	51580	69260	69260
11-9041	Engineering managers		50	6.4	29.45	36.20	43.74	54.37	63.01	42860	56570	79990	90990	90990
11-9051	Food service managers		170	9.9	13.68	18.45	24.50	31.63	37.49	15830	20130	27370	35000	42610
11-9141	Property, real estate, and community association managers		**	**	16.28	33.87	46.65	60.34	73.65	20440	28720	40150	60050	97930
11-9199	Managers, all other		100	3.6	28.81	33.87	46.65	60.34	73.65	20440	28720	40150	60050	97930
13-0000	Business and financial operations occupations	major	1860	2.5	18.80	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
13-1022	Wholesale and retail buyers, except farm products		50	15.0	18.48	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
13-1023	Purchasing agents, except wholesale, retail, and farm products		100	13.9	18.80	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
13-1031	Claims adjusters, examiners, and investigators		100	13.9	18.80	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation		70	15.8	17.59	20.87	24.03	28.45	29.62	17920	22600	29190	51270	61600
13-1051	Cost estimators		60	6.7	22.50	26.24	30.80	36.74	43.25	27560	33790	43270	56630	71240
13-1111	Training and development specialists		60	8.6	17.90	20.87	24.03	28.45	29.62	17920	22600	29190	51270	61600
13-1171	Management analysts		120	0.6	21.01	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
13-1199	Business operations specialists, all other		120	0.0	27.99	33.87	40.92	47.08	54.37	38290	47380	58660	69280	81470
13-2011	Accountants and auditors		540	4.6	17.37	20.87	24.03	28.45	29.62	17920	22600	29190	51270	61600
13-2053	Insurance underwriters		110	16.3	15.97	18.80	22.97	27.09	30.79	20470	26980	35550	47650	64050
13-2072	Loan officers		100	5.4	19.61	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
15-0000	Computer and mathematical occupations	major	330	3.9	19.36	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
15-1021	Computer programmers		30	6.0	19.12	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
15-1041	Computer support specialists		100	5.1	16.03	19.36	22.97	27.09	30.79	20470	26980	35550	47650	64050
15-1051	Computer systems analysts		60	5.9	25.92	33.87	40.92	47.08	54.37	38290	47380	58660	69280	81470
15-2031	Operations research analysts		40	21.9	13.37	16.28	20.87	24.03	28.45	17920	22600	29190	51270	61600
17-0000	Architecture and engineering occupations	major	820	6.1	21.17	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
17-2051	Civil engineers		250	6.9	21.37	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
17-2072	Electronics engineers, except computer		110	33.3	20.84	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
17-3011	Architectural and civil drafters		70	14.2	19.04	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
17-3023	Electrical and electronic engineering technicians		70	17.8	19.27	22.97	27.09	32.91	30.79	20470	26980	35550	47650	64050
19-0000	Life, physical, and social science occupations	major	280	4.2	20.98	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
19-1000	Life, physical, and social science occupations	major	460	2.8	15.15	18.80	22.97	27.09	30.79	20470	26980	35550	47650	64050
21-1012	Educational, vocational, and school counselors		140	0.0	17.99	20.87	24.03	28.45	29.62	17920	22600	29190	51270	61600
21-2011	Clergy		30	32.2	13.97	16.28	20.87	24.03	28.45	17920	22600	29190	51270	61600
23-0000	Legal occupations	major	190	5.5	34.36	40.92	47.08	54.37	61.66	41960	57950	79950	89280	45430
23-1011	Lawyers		90	6.6	50.50	105.04	141.96	189.98	241.70	87870	124760	170870	224760	#
23-2011	Paralegals and legal assistants		40	12.8	20.60	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
23-2093	Title examiners, abstractors, and searchers		30	22.2	15.76	18.80	22.97	27.09	30.79	20470	26980	35550	47650	64050
25-0000	Education, training, and library occupations	major	4390	1.1	16.35	19.36	22.97	27.09	30.79	20470	26980	35550	47650	64050
25-2011	Preschool teachers, except special education		130	11.9	9.61	11.99	14.04	17.49	19.36	12740	15090	18970	23900	29200
25-2012	Kindergarten teachers, except special education		190	2.3	32.50	*	*	*	*	17070	25530	34030	41010	44690
25-2021	Elementary school teachers, except special education		960	1.7	*	*	*	*	*	24430	28860	36140	41760	45080
25-2022	Middle school teachers, except special and vocational education		460	2.9	*	*	*	*	*	23410	26860	32640	39210	43620
25-2031	Secondary school teachers, except special and vocational education		470	7.6	*	*	*	*	*	23690	27770	35130	41870	45780
25-3021	Self-enrichment education teachers		50	26.1	11.97	14.04	16.69	19.36	21.67	16160	19050	22230	27510	35290
25-3099	Teachers and instructors, all other		320	0.0	17.58	20.87	24.03	28.45	29.62	17920	22600	29190	51270	61600
25-4021	Librarians		30	0.0	13.24	14.99	18.18	20.46	21.83	14950	22030	34290	45250	65930
25-4031	Library technicians		50	3.7	13.00	11.24	13.10	15.15	16.56	20090	23370	27240	31510	34440
25-9031	Instructional coordinators		60	2.9	21.37	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840
25-9041	Teacher assistants		910	1.3	20.77	24.26	28.45	33.87	37.49	26250	31750	40920	54010	66840

JOC_CODE	TITLE	GROUP	TOT_EMP	MPRSE	H_MEAN	A_MEAN	AN_PRSE	H_PCT10	H_PCT25	I_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	I_MEDIAN	A_PCT75	A_PCT90
27-0000	Arts, design, entertainment, sports, and media occupations	major	470	5.0	12.74	26500	2.6	6.32	7.84	11.25	15.55	21.06	13150	16310	23410	32340	43810
27-1024	Graphic designers		50	4.2	13.66	28410	3.7	8.55	10.04	12.47	15.31	19.40	17780	20890	25930	31840	40350
27-4031	Camera operators, television, video, and motion picture		30	10.5	8.58	17840	3.4	5.77	6.55	8.47	10.59	12.17	12010	13630	17610	22020	25310
29-0000	Healthcare practitioners and technical occupations	major	1500	3.5	26.22	54530	3.1	10.45	14.25	19.47	27.91	57.46	21730	29630	40490	58060	119510
29-1021	Dentists, general		30	9.2	53.11	110460	11.7	18.48	23.94	51.51	#	#	38440	49800	107150	#	#
29-1051	Pharmacists		40	7.6	34.50	71760	2.1	26.60	30.58	35.04	40.14	43.38	55330	63600	72890	83480	90220
29-1062	Family and general practitioners		80	6.1	83.22	173100	8.9	34.46	#	#	#	#	71680	#	#	#	#
29-1111	Registered nurses		500	4.9	23.10	48040	2.3	16.60	18.93	21.68	27.03	32.90	34530	39380	45100	56220	68430
29-1123	Physical therapists		60	0.0	31.02	64510	9.8	11.62	12.92	20.83	58.59	65.43	24160	26860	43320	121860	136100
29-2012	Medical and clinical laboratory technicians		60	0.0	13.66	28420	1.5	9.41	10.45	12.93	15.75	17.43	19570	21740	26890	32750	36260
29-2021	Dental hygienists		60	7.5	16.35	34010	7.8	9.41	12.20	14.90	20.26	25.73	19580	25370	31000	42140	53520
29-2034	Radiologic technologists and technicians		60	0.0	14.64	30450	2.0	9.22	9.99	11.91	16.65	23.21	19190	20780	24760	34640	48280
29-2052	Pharmacy technicians		60	4.9	12.46	25920	2.3	9.08	10.01	11.72	13.90	16.77	18890	20810	24380	28910	34890
29-2061	Licensed practical and licensed vocational nurses		110	9.8	15.51	32260	1.8	10.87	13.92	15.42	16.93	19.70	22610	28960	32080	35220	40970
29-2071	Medical records and health information technicians		40	12.1	11.08	23040	4.2	6.22	7.61	10.25	13.91	16.97	12950	15820	21330	28940	35300
31-0000	Healthcare support occupations	major	640	13.0	10.73	22310	4.4	6.16	7.56	10.23	12.93	16.00	12800	21280	28900	33270	38270
31-1012	Nursing aides, orderlies, and attendants		160	23.3	10.05	20900	4.8	6.57	7.76	9.97	12.28	13.60	13650	16130	20730	25540	28280
31-9091	Dental assistants		110	17.9	12.48	25950	3.4	8.46	9.86	12.15	14.84	16.82	17590	20500	25270	30870	34990
33-0000	Protective service occupations	major	2510	5.3	12.36	25710	5.0	5.81	6.66	11.64	13.12	14.90	17970	20510	24220	27300	31000
33-9032	Security guards		920	14.2	6.58	13700	3.1	5.45	5.77	6.30	6.85	8.32	11340	13060	14610	16330	18370
33-9092	Lifeguards, ski patrol, and other recreational protective service workers		50	0.0	8.89	18500	2.3	6.14	7.08	8.70	10.23	12.41	12780	14720	18110	21280	25800
33-9099	Protective service workers, all other		410	0.0	14.30	29740	1.5	8.33	11.34	12.80	15.74	23.58	17320	23580	26620	32730	49050
35-0000	Food preparation and serving related occupations	major	5480	3.3	7.09	14740	1.2	5.54	5.89	6.48	7.48	9.71	11510	12250	13470	15660	20210
35-1011	Chefs and head cooks		120	6.1	14.72	30610	4.1	7.26	9.15	13.03	18.67	25.20	15100	19030	27100	38830	52410
35-1012	First-line supervisors/managers of food preparation and serving workers		360	4.8	10.11	21020	2.2	6.63	7.62	8.83	11.19	16.28	13800	15840	18370	23280	33870
35-2011	Cooks, fast food		350	16.4	6.16	12810	3.2	5.43	5.71	6.17	6.63	7.15	11290	11890	12840	13790	14880
35-2014	Cooks, restaurant		590	12.2	8.31	17280	2.4	5.96	6.88	7.97	9.42	10.90	12400	14310	16570	19600	22670
35-2015	Cooks, short order		130	8.3	7.49	15580	3.4	5.65	6.07	6.78	8.33	11.36	11750	12630	14100	17320	23620
35-2021	Food preparation workers		660	10.5	7.00	14560	4.1	5.47	5.82	6.39	7.59	10.57	11380	12100	13290	15790	21980
35-3011	Bartenders		230	7.8	6.93	14420	1.5	5.62	6.08	6.85	7.85	10.60	11680	12420	14240	16330	17690
35-3021	Combined food preparation and serving workers, including fast food		610	9.4	6.05	12580	1.8	5.48	5.74	6.17	6.59	6.86	11400	11930	12820	13710	14270
35-3022	Counter attendants, cafeteria, food concession, and coffee shop		300	11.3	6.57	13670	2.0	5.57	5.91	6.48	7.16	8.30	11600	12300	13470	14880	17260
35-3031	Waiters and waitresses		1340	5.9	6.21	12920	1.4	5.49	5.77	6.24	6.70	7.26	11410	12000	12970	13940	15100
35-9011	Dining room and cafeteria attendants and bartender helpers		100	11.9	6.32	13140	2.9	5.51	5.79	6.26	6.73	7.41	11450	12040	13020	14000	15410
35-9021	Dishwashers		410	8.0	6.38	13280	2.3	5.52	5.79	6.24	6.70	7.05	11470	12040	12990	13940	14660
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop		160	13.6	6.49	13490	3.3	5.52	5.84	6.37	6.95	8.02	11470	12140	14460	16680	18680
37-0000	Building and grounds cleaning and maintenance occupations	major	2950	8.0	7.96	16560	2.0	5.60	6.06	6.85	9.05	11.60	11650	12610	14240	18830	24130
37-1011	First-line supervisors/managers of housekeeping and janitorial workers		390	7.8	12.00	24970	2.9	7.41	8.70	10.65	13.32	19.28	15400	18100	22150	27710	40100
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		30	13.9	13.09	27230	3.3	9.23	9.91	11.07	14.88	17.33	19190	20620	23030	30950	36050
37-2011	Janitors and cleaners, except maids and housekeeping cleaners		980	20.1	#	#	#	#	#	#	#	#	#	#	#	#	#
37-2012	Maids and housekeeping cleaners		1020	3.5	6.35	13210	1.8	5.50	5.80	6.29	6.79	7.82	11440	12050	13080	14120	16260
37-3011	Landscaping and groundskeeping workers		380	19.3	7.83	16290	2.3	5.75	6.35	7.44	8.69	10.74	11960	13200	15480	18070	22340
37-3019	Grounds maintenance workers, all other		100	43.0	7.87	16370	6.0	5.78	6.48	7.46	8.52	11.77	12020	13480	15520	17720	24480
39-0000	Personal care and service occupations	major	1680	3.6	#	#	#	#	#	#	#	#	#	#	#	#	#
39-1021	First-line supervisors/managers of personal service workers		60	3.3	14.40	29950	3.2	8.39	9.64	12.11	18.13	24.45	17450	20050	25190	37710	50860
39-3031	Ushers, lobby attendants, and ticket takers		80	20.5	5.96	12400	4.0	5.41	5.66	6.08	6.50	6.75	11260	11780	12650	13520	14040
39-3091	Amusement and recreation attendants		150	13.4	7.26	15100	3.4	5.59	5.96	6.58	7.66	9.73	11620	12400	13690	15940	20240
39-5012	Hairdressers, hairstylists, and cosmetologists		90	15.9	11.51	23940	3.6	6.19	7.38	8.68	11.97	23.30	12880	15350	18060	24900	48450
39-6011	Baggage porters and bellhops		150	12.5	6.38	13270	2.1	5.53	5.84	6.36	6.91	8.00	11500	12150	13230	14370	16640
39-6012	Concierges		80	7.5	9.31	19370	7.1	5.63	6.29	9.10	10.51	12.27	11720	13080	18930	21860	25520
39-6021	Tour guides and escorts		180	13.3	9.30	19330	2.7	6.21	7.45	8.62	10.67	13.81	12920	15490	17930	22180	28720
39-6022	Travel guides		40	19.9	9.08	18880	5.8	5.63	6.23	7.47	10.28	13.66	11700	12950	15540	21380	28420
39-9011	Child care workers		280	8.4	7.39	15360	3.8	5.57	6.08	6.97	8.80	10.19	11590	11900	14510	18290	21190
39-9031	Fitness trainers and aerobics instructors		50	46.4	13.54	28170	8.0	5.76	6.39	15.14	19.76	22.52	11980	13280	31480	41100	46840
41-0000	Sales and related occupations	major	4850	3.3	9.40	19550	2.2	5.67	6.21	7.34	10.33	15.28	11790	12910	15270	21480	31790
41-1011	First-line supervisors/managers of retail sales workers		600	5.2	14.27	29680	8.3	6.76	8.32	10.59	15.58	23.29	14050	17300	22020	32410	48440
41-1012	First-line supervisors/managers of non-retail sales workers		130	9.7	16.50	34320	3.3	8.86	11.47	15.50	21.40	26.04	18420	23860	32240	44520	54170
41-2011	Cashiers		1730	6.6	6.79	14120	1.2	5.54	5.87	6.43	7.13	8.88	11520	12210	13380	14840	18470

JOC_CODE	OCC_TITLE	GROUP	TOT_EMP	M_P	PRSE	H_PCT10	H_PCT25	MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	MEDIAN	A_PCT75	A_PCT90
41-2021	Counter and rental clerks		160	12.1	7.68	15980	2.8	5.61	8.66	10.81	11660	12540	14000	18020	22490
41-2022	Parts salespersons		90	6.6	8.50	17680	2.1	5.91	10.01	12.31	12280	14210	16620	20820	25600
41-2031	Retail salespersons		1040	6.2	8.38	17430	2.7	5.67	9.23	12.64	11790	12890	15060	19210	26290
41-3011	Advertising sales agents		70	7.9	16.14	33560	2.5	6.76	20.00	29.21	14070	20030	30840	41610	60760
41-3021	Insurance sales agents		40	10.4	17.56	36530	8.8	8.54	22.49	33.58	17760	22690	27560	46780	69840
41-3041	Travel agents		120	25.3	13.12	27300	5.8	8.13	15.23	21.57	16900	19910	24340	31670	44860
41-3099	Sales representatives, services, all other		90	21.9	14.93	31050	18.5	5.95	18.83	35.17	12370	14710	22420	39170	73160
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products		60	10.8	13.86	28840	8.6	6.09	16.50	24.22	12660	16500	25930	34310	50380
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products		300	11.4	10.21	21240	2.5	6.15	12.18	15.39	12790	15360	19070	25340	32010
43-0000	Office and administrative support occupations	major	10120	1.3	11.81	24560	2.2	6.26	14.56	19.05	13020	16110	21950	30290	39620
43-1011	First-line supervisors/managers of office and administrative support workers		800	2.7	18.23	37920	2.9	9.16	22.07	28.96	19050	25570	34090	45910	60240
43-2011	Switchboard operators, including answering service		110	4.3	8.62	17930	4.2	5.89	9.46	13.44	12250	13790	16210	19680	27960
43-3011	Bill and account collectors		170	6.5	11.04	22970	2.8	6.35	10.57	16.60	13210	16710	21980	27640	34530
43-3021	Billing and posting clerks and machine operators		210	6.2	10.55	21930	2.8	6.74	13.23	15.96	14010	16930	20620	27510	33200
43-3031	Bookkeeping, accounting, and auditing clerks		780	3.4	11.67	24280	1.1	7.22	13.87	17.15	15020	18640	23050	28860	35670
43-3051	Payroll and timekeeping clerks		130	4.5	11.53	23990	2.2	7.78	11.04	13.73	16180	19690	22970	28560	33340
43-3061	Procurement clerks		70	2.7	15.40	32020	2.0	8.14	19.56	21.52	16940	23730	33150	40690	44760
43-3071	Tellers		360	2.4	9.29	19320	1.4	7.51	10.51	11.50	15620	16800	18860	21860	23920
43-4051	Customer service representatives		1010	4.1	10.96	22790	3.8	6.12	7.33	9.42	15950	17240	19590	27230	39200
43-4071	File clerks		130	10.7	8.36	17390	2.1	5.81	10.05	12.00	12080	13490	16440	20910	24960
43-4081	Hotel, motel, and resort desk clerks		240	12.6	8.82	18340	7.6	5.70	9.90	13.65	11850	12920	14850	20600	28380
43-4111	Interviewers, except eligibility and loan		40	29.6	*	*	*	*	*	*	*	*	*	*	*
43-4151	Order clerks		70	8.6	10.33	21490	7.6	6.43	11.81	17.48	13370	15670	18810	24570	36360
43-4161	Human resources assistants, except payroll and timekeeping		90	2.7	13.60	28290	3.1	7.41	12.93	21.14	15410	19880	26890	36080	43970
43-4171	Receptionists and information clerks		330	5.5	8.57	17820	1.5	5.91	10.21	12.53	12290	13980	16700	21240	26060
43-4181	Reservation and transportation ticket agents and travel clerks		400	5.3	13.63	28350	4.6	6.78	14.74	16.36	14100	19800	30650	34020	36030
43-4199	All other information and record clerks		150	0.0	19.95	41490	2.0	12.50	15.09	18.65	28.92	26000	31380	38800	47340
43-5021	Couriers and messengers		160	5.5	9.60	19970	5.3	6.07	7.10	8.76	12630	14770	18220	25020	27950
43-5032	Dispatchers, except police, fire, and ambulance		110	8.6	12.16	25290	5.0	6.30	15.05	20.48	13100	16290	22880	31300	42600
43-5051	Postal service clerks		30	0.0	22.97	47780	*	18.80	21.50	23.42	39100	44720	48710	52690	55090
43-5052	Postal service mail carriers		30	0.0	23.23	48320	*	19.25	21.86	23.66	40040	45470	49210	52940	55190
43-5061	Production, planning, and expediting clerks		140	3.5	12.45	25910	5.2	6.27	7.23	12.54	13050	15040	26080	33710	39610
43-5071	Shipping, receiving, and traffic clerks		220	3.2	12.65	26300	4.9	6.53	8.75	12.58	13070	15200	26170	33590	40810
43-5081	Stock clerks and order fillers		970	3.9	8.52	17720	2.8	5.72	10.14	13.63	11890	12980	15130	21090	28350
43-6011	Executive secretaries and administrative assistants		950	3.1	12.82	26660	2.4	7.35	12.09	15.73	1889	19350	25140	32720	39300
43-6012	Legal secretaries		70	11.0	16.16	36200	2.7	9.90	16.22	19.70	22.54	20590	26990	33730	40890
43-6014	Secretaries, except legal, medical, and executive		380	7.3	12.23	25430	4.7	6.68	11.83	15.41	1835	13890	18490	24600	32060
43-9011	Computer operators		90	12.0	12.39	25760	3.8	7.04	9.52	11.81	1786	14640	19800	24560	32050
43-9021	Data entry keyers		90	10.6	10.05	20910	2.1	6.98	11.78	13.96	14520	16720	19620	24500	29040
43-9022	Word processors and typists		220	0.7	12.75	26520	1.3	9.25	10.62	12.35	19240	22100	25690	29050	34420
43-9041	Insurance claims and policy processing clerks		50	21.4	11.70	24330	3.0	7.03	8.96	10.51	14630	18640	21860	29110	38750
43-9061	Office clerks, general		900	2.7	8.76	18220	2.4	5.73	7.92	10.38	11920	13200	16480	21580	27640
43-9199	Office and administrative support workers, all other		40	5.6	13.72	28530	3.4	9.04	10.45	13.01	18800	21730	27070	33300	42920
47-0000	Construction and extraction occupations	major	4420	3.0	12.09	25150	1.3	7.73	13.56	16.72	16070	19840	24530	28210	34770
47-1011	First-line supervisors/managers of construction trades and extraction workers		220	6.8	19.47	40500	1.7	12.19	14.32	17.82	25360	29790	37080	47860	61640
47-2021	Brickmasons and blockmasons		110	21.4	12.43	25860	2.1	11.05	12.44	14.04	22990	23990	25870	27750	29210
47-2031	Carpenters		860	3.7	12.54	26070	0.9	10.80	11.47	12.42	22470	23850	25840	27810	31690
47-2041	Carpet installers		30	0.0	8.34	17350	2.1	5.79	6.58	10.87	12040	13680	18050	20910	22610
47-2051	Cement masons and concrete finishers		340	9.5	12.16	25300	1.0	10.88	11.44	12.27	13.09	13.61	22630	23790	25520
47-2061	Construction laborers		580	3.9	8.89	18480	1.9	6.59	7.37	8.26	9.89	12.30	13710	15330	17180
47-2073	Operating engineers and other construction equipment operators		130	6.5	11.97	28490	2.3	8.88	9.70	11.16	13.47	16.42	18480	20170	28020
47-2111	Electricians		510	6.6	13.59	28260	1.1	10.04	11.66	13.22	20890	24250	27490	32300	36060
47-2141	Painters, construction and maintenance		420	26.7	11.26	23430	5.9	7.52	8.54	10.87	15650	17760	22600	27920	33100
47-2152	Plumbers, pipefitters, and steamfitters		170	3.7	14.22	29570	1.6	11.08	12.13	13.73	16.26	19.02	23040	25220	33830
47-2161	Plasterers and stucco masons		50	13.7	10.94	22740	2.1	9.29	10.82	12.09	13.22	19320	20510	22510	25160
47-2171	Reinforcing iron and rebar workers		80	5.5	11.05	22980	1.6	9.21	11.03	13.17	19150	20610	22950	25650	27380
47-2211	Sheet metal workers		90	29.1	12.28	25540	3.7	9.32	10.27	11.82	13.37	16.15	19390	21360	23580
47-2221	Structural iron and steel workers		70	28.5	10.57	21990	2.8	8.87	9.36	10.14	11.10	13.03	18440	19460	21100
47-3012	Helpers--carpenters		90	5.0	8.90	18520	2.0	6.94	8.87	11.17	14420	15960	18460	21240	23230

JOC_CODE	TITLE	GROUP	TOT_EMP	M_P	PRSE	H_PCT10	H_PCT25	MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	MEDIAN	A_PCT75	A_PCT90
47-3013	Helpers-electricians		190	11.2	3.1	6.18	7.24	8.68	10.08	11.15	12.860	15.060	18.060	20.970	23.190
47-3019	Helpers, construction trades, all other		50	14.3	*	*	*	*	*	*	*	*	*	*	*
47-4041	Hazardous materials removal workers		30	33.7	11.1	5.69	6.43	9.78	13.98	19.28	11.830	13.380	20.350	29.070	40.110
49-0000	Installation, maintenance, and repair occupations	major	2790	3.7	2.6	6.51	8.47	12.03	16.26	21.76	13.550	17.620	25.020	33.820	45.270
49-1011	First-line supervisors/managers of mechanics, installers, and repairers		200	8.6	3.8	9.32	12.80	16.83	22.75	28.91	19.390	26.620	35.010	47.320	60.120
49-2011	Computer, automated teller, and office machine repairers		40	25.6	11.9	5.92	6.87	11.86	18.24	21.95	12.310	14.280	24.660	37.940	45.650
49-2022	Telecommunications equipment installers and repairers, except line installers		70	45.4	3.6	8.48	18.11	20.02	22.43	26.01	17.630	37.680	41.640	46.660	54.110
49-3021	Automotive body and related repairers		70	18.9	5.0	5.88	6.81	9.48	13.68	16.46	12.230	14.160	19.720	28.460	34.230
49-3023	Automotive service technicians and mechanics		240	6.9	3.0	7.35	9.51	11.88	14.60	18.41	15.290	19.770	24.710	30.360	38.290
49-3031	Bus and truck mechanics and diesel engine specialists		130	5.7	5.2	7.94	9.56	12.38	15.97	19.16	16.520	19.880	25.740	33.220	39.850
49-3042	Mobile heavy equipment mechanics, except engines		130	8.7	1.9	8.49	10.88	13.46	16.62	19.84	17.650	22.620	27.990	34.560	41.260
49-3093	Tire repairers and changers		40	15.7	2.9	5.46	5.89	6.61	8.04	9.18	11.360	12.260	13.750	16.720	19.100
49-9021	Heating, air conditioning, and refrigeration mechanics and installers		100	5.8	4.9	8.96	11.49	14.84	20.58	24.40	18.640	23.910	30.860	42.810	50.750
49-9041	Industrial machinery mechanics		40	25.2	13.3	11.06	11.78	12.99	21.66	26.68	23.000	24.510	27.020	45.060	55.500
49-9042	Maintenance and repair workers, general		1040	6.7	4.3	6.07	7.58	10.75	14.69	16.61	12.620	15.770	22.350	30.560	34.550
49-9052	Telecommunications line installers and repairers		60	31.1	11.8	9.08	10.11	12.31	22.42	25.42	18.880	21.030	25.600	46.630	52.870
49-9098	Helpers--installation, maintenance, and repair workers		210	9.8	2.6	6.19	7.35	8.94	10.60	13.24	12.870	15.280	18.600	22.050	27.540
49-9099	Installation, maintenance, and repair workers, all other		40	15.7	9.2	7.97	11.22	19.77	23.63	25.80	16.580	23.330	41.120	49.160	53.670
51-0000	Production occupations	major	1730	2.9	3.2	5.82	6.64	9.21	13.56	18.29	12.110	13.800	19.160	28.190	38.040
51-1011	First-line supervisors/managers of production and operating workers		60	17.4	3.0	8.62	11.50	13.79	18.15	26.41	17.930	23.920	28.670	37.760	44.930
51-2092	Team assemblers		60	17.4	2.8	7.51	8.83	11.06	13.43	16.44	15.620	18.370	23.010	27.930	34.200
51-3011	Bakers		170	6.8	2.0	5.64	6.10	6.89	8.25	9.80	11.740	12.690	14.340	17.150	20.380
51-3021	Butchers and meat cutters		90	12.2	5.5	6.83	8.88	10.20	13.72	17.36	14.210	18.460	21.210	28.530	36.110
51-4121	Welders, cutters, solderers, and brazers		190	1.1	1.8	9.30	11.02	12.88	15.26	16.98	19.340	22.910	26.780	31.730	35.320
51-6011	Laundry and dry-cleaning workers		150	2.0	3.1	5.49	5.80	6.31	8.81	8.07	11.420	11.860	13.120	16.190	16.790
51-6052	Tailors, dressmakers, and custom sewers	**	**	**	9.9	7.00	8.18	13.33	19.84	25.24	14.570	17.020	27.730	41.260	52.500
51-9061	Inspectors, testers, sorters, samplers, and weighers		60	1.8	6.1	9.13	13.82	19.04	25.73	31.61	19.000	28.740	39.600	53.530	65.740
51-9198	Helpers--production workers		120	7.8	3.8	5.55	5.94	6.57	8.12	10.61	11.550	12.340	13.670	16.880	22.070
51-9199	Production workers, all other		170	0.6	2.9	5.48	5.89	6.58	8.14	9.83	11.390	12.250	13.690	16.930	20.450
53-0000	Transportation and material moving occupations	major	4150	5.8	3.0	5.80	6.58	8.92	10.95	15.49	12.060	13.690	18.560	22.780	32.220
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand		60	9.8	4.3	9.24	10.40	13.19	18.59	21.76	19.230	21.630	27.430	36.680	45.250
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators		60	9.2	6.4	9.55	11.34	15.25	20.70	32.69	19.860	23.590	31.710	43.060	67.990
53-2021	Air traffic controllers		40	4.2	3.8	11.83	13.39	23.39	27.66	39.66	24.610	27.850	48.660	57.530	82.480
53-3021	Bus drivers, transit and intercity		400	2.1	1.9	5.75	6.46	8.23	11.39	14.44	11.960	13.440	17.110	23.700	30.030
53-3031	Driver/sales workers		320	11.2	8.1	5.82	6.49	7.77	11.28	18.72	12.100	13.490	16.160	23.470	38.930
53-3032	Truck drivers, heavy and tractor-trailer		360	12.3	3.3	8.28	9.41	10.79	13.19	16.18	17.220	19.570	22.440	27.430	33.660
53-3033	Truck drivers, light or delivery services		380	8.8	2.4	5.65	6.26	7.52	9.04	11.19	11.760	13.030	15.640	18.800	23.280
53-3041	Taxi drivers and chauffeurs		50	19.6	4.3	5.55	5.93	6.57	7.84	9.61	11.540	12.340	13.670	16.320	19.980
53-5011	Sailors and marine oilers		40	21.5	8.3	5.99	7.21	9.42	10.98	14.89	12.460	15.000	19.600	22.830	30.960
53-5021	Captains, mates, and pilots of water vessels		60	21.5	4.8	11.75	14.53	18.17	23.16	26.56	24.440	30.210	37.790	48.170	55.240
53-6031	Service station attendants		150	9.3	2.3	5.56	5.82	6.25	6.69	6.95	11.550	12.100	13.000	13.910	14.460
53-7021	Crane and tower operators		60	0.0	1.6	11.13	13.44	15.36	17.14	20.14	23.150	27.960	31.960	36.560	41.890
53-7032	Excavating and loading machine and dragline operators		100	4.6	2.0	9.32	10.79	13.22	15.34	16.60	19.380	22.450	27.500	31.900	34.540
53-7051	Industrial truck and tractor operators		90	10.3	8.6	6.01	7.03	8.96	14.54	18.95	12.490	14.630	18.640	30.250	39.410
53-7061	Cleaners of vehicles and equipment		460	47.4	6.5	5.40	5.68	6.15	6.62	7.58	11.240	11.820	12.800	13.770	15.760
53-7064	Packers and packagers, hand		190	12.6	1.8	5.50	5.78	6.24	6.69	7.11	11.440	12.030	12.970	13.920	14.780