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May 2007 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.

Additional information, including the hourly and annual 10th, 25th, 75th, and 90th percentile wages and the employment percent relative standard error, is available in the [downloadable Excel files\(XLS\)](#).

[Links to OES estimates for other areas and States](#)

Major Occupational Groups in Guam (**Note**--clicking a link will scroll the page to the occupational group):

- 00-0000 [All Occupations](#)
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- 13-0000 [Business and Financial Operations Occupations](#)
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All Occupations top						
			Wage Estimates			
Occupation Code	Occupation Title	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
00-0000	All Occupations	57,920	\$11.03	\$13.88	\$28,860	0.8 %

Management Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
11-0000	Management Occupations	4,310	\$22.96	\$26.74	\$55,620	1.0 %
11-1011	Chief Executives	750	\$29.88	\$38.38	\$79,830	2.1 %
11-1021	General and Operations Managers	1,440	\$22.43	\$25.70	\$53,450	1.9 %
11-2011	Advertising and Promotions Managers	70	\$18.02	\$19.32	\$40,190	2.0 %
11-2021	Marketing Managers	70	\$24.63	\$24.61	\$51,190	1.5 %
11-2022	Sales Managers	350	\$18.87	\$21.11	\$43,910	1.3 %
11-3011	Administrative Services Managers	240	\$17.99	\$19.31	\$40,170	1.5 %
11-3021	Computer and Information Systems Managers	90	\$24.76	\$26.02	\$54,130	2.3 %
11-3031	Financial Managers	240	\$26.65	\$28.98	\$60,270	1.7 %
11-3061	Purchasing Managers	60	\$17.18	\$18.48	\$38,430	1.6 %
11-3071	Transportation, Storage, and Distribution Managers	70	\$25.78	\$28.39	\$59,060	1.8 %

11-9021	Construction Managers	120	\$22.41	\$25.36	\$52,740	2.7 %
11-9032	Education Administrators, Elementary and Secondary School	80	(4)	(4)	\$62,110	2.6 %
11-9041	Engineering Managers	50	\$24.67	\$28.27	\$58,800	1.9 %
11-9051	Food Service Managers	180	\$12.27	\$13.89	\$28,890	1.3 %
11-9081	Lodging Managers	30	\$14.60	\$15.46	\$32,150	1.4 %
11-9141	Property, Real Estate, and Community Association Managers	40	\$14.31	\$16.77	\$34,880	8.4 %
11-9199	Managers, All Other	40	\$23.17	\$29.10	\$60,530	2.1 %

Business and Financial Operations Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
13-0000	Business and Financial Operations Occupations	2,070	\$18.19	\$19.87	\$41,340	1.4 %
13-1022	Wholesale and Retail Buyers, Except Farm Products	40	\$13.36	\$15.81	\$32,890	2.9 %
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	140	\$16.92	\$19.66	\$40,890	1.4 %
13-1031	Claims Adjusters, Examiners, and Investigators	80	\$14.85	\$17.63	\$36,670	1.4 %
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	260	\$17.24	\$20.60	\$42,840	1.8 %
13-1051	Cost Estimators	50	\$19.80	\$20.41	\$42,450	1.4 %

13-1071	Employment, Recruitment, and Placement Specialists	90	\$18.81	\$19.55	\$40,660	2.0 %
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	30	\$22.94	\$24.97	\$51,930	5.5 %
13-1111	Management Analysts	130	\$22.38	\$22.94	\$47,710	2.6 %
13-2011	Accountants and Auditors	580	\$17.14	\$18.04	\$37,530	1.1 %
13-2031	Budget Analysts	40	\$24.40	\$23.28	\$48,410	1.9 %
13-2053	Insurance Underwriters	70	\$11.81	\$12.26	\$25,500	3.7 %
13-2072	Loan Officers	70	\$19.52	\$21.97	\$45,710	1.7 %

Computer and Mathematical Science Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
15-0000	Computer and Mathematical Science Occupations	360	\$19.11	\$21.29	\$44,280	2.0 %
15-1041	Computer Support Specialists	120	\$15.59	\$16.29	\$33,890	1.9 %
15-1051	Computer Systems Analysts	50	\$20.55	\$21.41	\$44,530	1.7 %
15-1071	Network and Computer Systems Administrators	40	\$19.03	\$20.19	\$41,990	1.9 %
15-1081	Network Systems and Data Communications Analysts	40	\$26.48	\$24.24	\$50,430	4.2 %
15-1099	Computer Specialists, All Other	(8)	\$39.57	\$36.52	\$75,970	2.7 %

Architecture and Engineering Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
17-0000	<u>Architecture and Engineering Occupations</u>	920	\$20.52	\$22.25	\$46,290	1.8 %
17-1011	<u>Architects, Except Landscape and Naval</u>	30	\$23.28	\$25.34	\$52,710	3.3 %
17-2051	<u>Civil Engineers</u>	220	\$21.48	\$23.38	\$48,630	1.6 %
17-2071	<u>Electrical Engineers</u>	40	\$20.83	\$23.88	\$49,670	4.5 %
17-2081	<u>Environmental Engineers</u>	40	\$22.36	\$25.52	\$53,070	4.2 %
17-3011	<u>Architectural and Civil Drafters</u>	80	\$15.89	\$16.13	\$33,540	3.1 %
17-3023	<u>Electrical and Electronic Engineering Technicians</u>	300	\$22.65	\$21.31	\$44,310	3.8 %
17-3029	<u>Engineering Technicians, Except Drafters, All Other</u>	40	\$31.89	\$29.03	\$60,370	2.7 %

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

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
19-0000	<u>Life, Physical, and Social Science Occupations</u>	420	\$17.08	\$19.84	\$41,260	2.2 %
19-2041	<u>Environmental Scientists and Specialists, Including Health</u>	110	\$16.14	\$19.03	\$39,570	5.6 %
19-3021	<u>Market Research Analysts</u>	40	(8)	(8)	(8)	(8)

Community and Social Services Occupations [top](#)

			Wage Estimates			
Occupation	Occupation Title (click on	Employment	Median	Mean	Mean	Mean

Code	the occupation title to view an occupational profile)	(1)	Hourly	Hourly	Annual (2)	RSE (3)
21-0000	Community and Social Services Occupations	710	\$14.04	\$15.30	\$31,820	1.5 %
21-1012	Educational, Vocational, and School Counselors	70	\$20.87	\$20.42	\$42,470	2.3 %
21-1093	Social and Human Service Assistants	80	\$11.93	\$11.93	\$24,810	2.1 %
21-2011	Clergy	50	\$11.48	\$13.07	\$27,190	12.9 %

Legal Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
23-0000	Legal Occupations	(8)	\$29.66	\$34.14	\$71,010	5.2 %
23-1011	Lawyers	130	\$40.16	\$45.76	\$95,180	5.9 %
23-2011	Paralegals and Legal Assistants	30	\$18.56	\$20.76	\$43,190	5.8 %

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

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
25-0000	Education, Training, and Library Occupations	4,130	\$17.66	\$17.89	\$37,210	1.7 %
25-2011	Preschool Teachers, Except Special Education	160	\$9.35	\$10.17	\$21,160	2.8 %
25-2031	Secondary School Teachers, Except Special and Vocational Education	730	(8)	(8)	(8)	(8)
25-2041	Special Education Teachers,	30	(8)	(8)	(8)	(8)

	Preschool, Kindergarten, and Elementary School					
25-3021	Self-Enrichment Education Teachers	40	\$11.51	\$12.30	\$25,570	2.9 %
25-4021	Librarians	30	\$20.03	\$21.18	\$44,050	2.2 %
25-9041	Teacher Assistants	210	(4)	(4)	\$17,230	2.8 %

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

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	520	\$11.82	\$12.86	\$26,750	1.7 %
27-1024	Graphic Designers	80	\$12.02	\$12.20	\$25,370	2.2 %
27-3011	Radio and Television Announcers	50	\$7.60	\$8.80	\$18,310	3.9 %
27-4011	Audio and Video Equipment Technicians	30	\$8.84	\$10.13	\$21,060	2.7 %
27-4021	Photographers	30	\$11.20	\$11.03	\$22,950	5.5 %
27-4031	Camera Operators, Television, Video, and Motion Picture	40	\$9.79	\$10.07	\$20,950	5.6 %

Healthcare Practitioner and Technical Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
29-0000	Healthcare Practitioner and Technical Occupations	1,540	\$18.62	\$26.17	\$54,430	3.5 %

29-1031	Dietitians and Nutritionists	(8)	\$13.63	\$14.95	\$31,100	1.8 %
29-1051	Pharmacists	70	\$40.37	\$37.93	\$78,900	4.9 %
29-1062	Family and General Practitioners	50	\$66.33	\$73.54	\$152,960	9.4 %
29-1069	Physicians and Surgeons, All Other	50	(5)	\$74.41	\$154,780	6.3 %
29-1071	Physician Assistants	70	\$13.77	\$16.50	\$34,320	2.2 %
29-1111	Registered Nurses	490	\$22.98	\$25.32	\$52,670	5.8 %
29-1123	Physical Therapists	40	\$22.43	\$26.68	\$55,490	22.0 %
29-2011	Medical and Clinical Laboratory Technologists	30	\$13.29	\$15.24	\$31,700	13.1 %
29-2021	Dental Hygienists	30	\$17.54	\$17.77	\$36,950	2.4 %
29-2034	Radiologic Technologists and Technicians	60	\$13.91	\$14.39	\$29,930	1.7 %
29-2052	Pharmacy Technicians	90	\$10.84	\$11.16	\$23,210	4.5 %
29-2061	Licensed Practical and Licensed Vocational Nurses	80	\$16.35	\$15.81	\$32,880	1.4 %
29-2071	Medical Records and Health Information Technicians	90	\$10.62	\$12.41	\$25,820	2.2 %
29-9011	Occupational Health and Safety Specialists	40	(8)	(8)	(8)	(8)

Healthcare Support Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
31-0000	Healthcare Support Occupations	550	\$9.51	\$10.57	\$21,990	2.5 %

31-9011	Massage Therapists	120	\$6.94	\$8.09	\$16,820	13.4 %
31-9091	Dental Assistants	150	\$11.14	\$12.39	\$25,760	6.3 %
31-9092	Medical Assistants	110	\$11.08	\$11.12	\$23,140	2.1 %

Protective Service Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
33-0000	Protective Service Occupations	2,470	\$11.49	\$12.83	\$26,690	3.3 %
33-9032	Security Guards	1,070	\$6.71	\$7.35	\$15,300	4.6 %
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	70	\$8.13	\$8.33	\$17,330	3.0 %

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

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
35-0000	Food Preparation and Serving Related Occupations	5,920	\$6.98	\$7.70	\$16,020	0.9 %
35-1011	Chefs and Head Cooks	150	\$14.16	\$15.53	\$32,300	1.3 %
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	420	\$9.87	\$10.94	\$22,760	0.9 %
35-2011	Cooks, Fast Food	200	\$7.05	\$7.40	\$15,390	3.5 %

35-2014	Cooks, Restaurant	650	\$7.68	\$8.08	\$16,810	1.1 %
35-2015	Cooks, Short Order	50	\$6.89	\$7.90	\$16,440	6.0 %
35-2021	Food Preparation Workers	940	\$6.75	\$7.24	\$15,050	1.7 %
35-3011	Bartenders	260	\$7.19	\$7.43	\$15,450	2.0 %
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	460	\$6.63	\$6.85	\$14,240	2.3 %
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	180	\$6.58	\$6.67	\$13,860	4.4 %
35-3031	Waiters and Waitresses	1,550	\$6.65	\$6.90	\$14,350	1.5 %
35-3041	Food Servers, Nonrestaurant	30	\$6.44	\$6.41	\$13,340	5.1 %
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	160	\$6.56	\$6.65	\$13,830	3.0 %
35-9021	Dishwashers	390	\$6.54	\$6.58	\$13,680	1.8 %
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	190	\$6.74	\$6.96	\$14,480	3.1 %

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

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
37-0000	Building and Grounds Cleaning and Maintenance Occupations	3,420	\$7.09	\$8.29	\$17,250	1.4 %
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial	290	\$10.72	\$12.91	\$26,860	0.9 %

	Workers					
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	100	\$10.74	\$16.84	\$35,020	12.0 %
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,260	\$6.99	\$7.83	\$16,280	1.9 %
37-2012	Maids and Housekeeping Cleaners	1,190	\$6.72	\$6.96	\$14,480	1.7 %
37-2021	Pest Control Workers	40	\$9.23	\$9.60	\$19,960	4.8 %
37-3011	Landscaping and Groundskeeping Workers	510	\$7.56	\$7.96	\$16,560	1.7 %
37-3019	Grounds Maintenance Workers, All Other	30	\$8.63	\$11.65	\$24,240	29.2 %

Personal Care and Service Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
39-0000	Personal Care and Service Occupations	2,410	\$9.54	\$13.84	\$28,790	2.5 %
39-1021	First-Line Supervisors/Managers of Personal Service Workers	50	\$10.90	\$12.22	\$25,420	1.5 %
39-3091	Amusement and Recreation Attendants	280	\$6.78	\$7.38	\$15,340	3.5 %
39-5012	Hairdressers, Hairstylists, and Cosmetologists	120	\$9.51	\$10.72	\$22,290	8.3 %
39-6011	Baggage Porters and Bellhops	100	\$6.65	\$6.80	\$14,130	2.7 %
39-6012	Concierges	50	\$9.85	\$9.93	\$20,650	1.7 %
39-6021	Tour Guides and Escorts	170	\$8.58	\$9.56	\$19,890	2.0 %

						%
39-9011	Child Care Workers	690	(8)	(8)	(8)	(8)
Sales and Related Occupations top						
			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
41-0000	Sales and Related Occupations	5,540	\$7.59	\$9.58	\$19,920	1.7 %
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	700	\$12.71	\$15.31	\$31,830	6.7 %
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	90	\$15.13	\$16.38	\$34,080	1.7 %
41-2011	Cashiers	2,110	\$6.77	\$7.14	\$14,860	0.9 %
41-2021	Counter and Rental Clerks	90	\$7.99	\$8.57	\$17,830	2.6 %
41-2022	Parts Salespersons	110	\$8.99	\$9.56	\$19,880	2.6 %
41-2031	Retail Salespersons	1,650	\$7.55	\$8.95	\$18,610	1.5 %
41-3011	Advertising Sales Agents	30	\$13.78	\$13.99	\$29,100	2.9 %
41-3021	Insurance Sales Agents	50	\$11.86	\$15.34	\$31,920	5.3 %
41-3041	Travel Agents	70	\$10.93	\$11.37	\$23,650	3.4 %
41-3099	Sales Representatives, Services, All Other	60	\$7.28	\$8.36	\$17,380	4.4 %
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	80	\$11.82	\$14.33	\$29,800	8.7 %
41-4012	Sales Representatives,	260	\$11.61	\$11.90	\$24,750	3.3

	Wholesale and Manufacturing, Except Technical and Scientific Products					%
41-9011	Demonstrators and Product Promoters	140	\$7.57	\$8.21	\$17,070	2.1 %
41-9041	Telemarketers	40	\$10.14	\$11.39	\$23,690	2.6 %

Office and Administrative Support Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
43-0000	Office and Administrative Support Occupations	10,760	\$11.24	\$12.34	\$25,660	0.8 %
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	850	\$17.60	\$18.27	\$38,010	1.3 %
43-2011	Switchboard Operators, Including Answering Service	90	\$7.98	\$9.25	\$19,230	1.3 %
43-3011	Bill and Account Collectors	210	\$10.10	\$11.09	\$23,080	1.6 %
43-3021	Billing and Posting Clerks and Machine Operators	170	\$9.85	\$10.53	\$21,900	0.9 %
43-3031	Bookkeeping, Accounting, and Auditing Clerks	890	\$11.31	\$11.98	\$24,920	1.1 %
43-3051	Payroll and Timekeeping Clerks	130	\$12.81	\$12.95	\$26,940	1.1 %
43-3061	Procurement Clerks	50	\$15.42	\$15.02	\$31,250	2.4 %
43-3071	Tellers	260	\$10.46	\$10.30	\$21,430	1.7 %
43-4051	Customer Service Representatives	1,380	\$10.63	\$11.67	\$24,280	1.7 %
43-4071	File Clerks	40	\$8.64	\$8.75	\$18,200	2.2 %

						%
43-4081	Hotel, Motel, and Resort Desk Clerks	260	\$6.83	\$7.27	\$15,110	1.1 %
43-4131	Loan Interviewers and Clerks	40	\$10.88	\$11.23	\$23,360	3.6 %
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	90	\$13.90	\$14.43	\$30,010	1.1 %
43-4171	Receptionists and Information Clerks	440	\$7.42	\$8.64	\$17,980	1.2 %
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	220	\$10.23	\$11.07	\$23,030	1.7 %
43-4199	Information and Record Clerks, All Other	90	\$19.59	\$19.45	\$40,450	2.8 %
43-5011	Cargo and Freight Agents	200	\$20.26	\$17.17	\$35,720	3.6 %
43-5021	Couriers and Messengers	170	\$8.51	\$9.41	\$19,570	5.6 %
43-5032	Dispatchers, Except Police, Fire, and Ambulance	130	\$10.34	\$11.48	\$23,870	1.1 %
43-5051	Postal Service Clerks	30	\$21.39	\$20.95	\$43,580	(8)
43-5052	Postal Service Mail Carriers	30	\$21.49	\$21.08	\$43,840	(8)
43-5061	Production, Planning, and Expediting Clerks	320	\$18.40	\$18.57	\$38,620	2.0 %
43-5071	Shipping, Receiving, and Traffic Clerks	180	\$12.98	\$12.60	\$26,220	1.9 %
43-5081	Stock Clerks and Order Fillers	1,000	\$8.29	\$9.66	\$20,090	1.0 %
43-6011	Executive Secretaries and Administrative Assistants	1,180	\$13.53	\$13.97	\$29,060	1.0 %
43-6012	Legal Secretaries	70	\$14.11	\$14.34	\$29,830	4.0 %
43-6014	Secretaries, Except Legal, Medical, and Executive	350	\$13.24	\$13.75	\$28,600	1.8 %
43-9011	Computer Operators	90	\$12.37	\$13.17	\$27,390	1.9 %

43-9021	Data Entry Keyers	110	\$9.25	\$9.59	\$19,940	2.6 %
43-9041	Insurance Claims and Policy Processing Clerks	90	\$10.44	\$11.52	\$23,950	1.6 %
43-9061	Office Clerks, General	980	\$7.73	\$8.82	\$18,340	1.5 %

Farming, Fishing, and Forestry Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
45-0000	Farming, Fishing, and Forestry Occupations	(8)	\$13.18	\$13.16	\$27,360	3.4 %

Construction and Extraction Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
47-0000	Construction and Extraction Occupations	3,730	\$12.46	\$12.75	\$26,520	0.7 %
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	230	\$18.57	\$19.77	\$41,120	1.5 %
47-2031	Carpenters	860	\$12.91	\$12.95	\$26,940	0.9 %
47-2051	Cement Masons and Concrete Finishers	410	\$12.41	\$12.43	\$25,860	1.2 %
47-2061	Construction Laborers	520	\$8.97	\$9.15	\$19,040	1.5 %
47-2073	Operating Engineers and Other Construction Equipment Operators	170	\$12.41	\$12.82	\$26,670	1.6 %
47-2111	Electricians	410	\$14.36	\$14.85	\$30,890	1.1 %

						%
47-2141	Painters, Construction and Maintenance	200	\$13.56	\$13.40	\$27,870	1.5 %
47-2152	Plumbers, Pipefitters, and Steamfitters	160	\$13.75	\$13.86	\$28,830	1.2 %
47-2161	Plasterers and Stucco Masons	80	\$10.91	\$10.83	\$22,530	2.0 %
47-2171	Reinforcing Iron and Rebar Workers	80	\$11.85	\$12.01	\$24,980	1.5 %
47-2211	Sheet Metal Workers	60	\$15.21	\$15.21	\$31,640	1.5 %
47-2221	Structural Iron and Steel Workers	50	\$11.48	\$11.50	\$23,910	2.0 %
47-3012	Helpers--Carpenters	90	\$8.58	\$8.60	\$17,890	3.1 %
47-3013	Helpers--Electricians	70	\$9.65	\$10.11	\$21,040	1.8 %
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	50	\$8.59	\$9.13	\$19,000	2.4 %
47-3019	Helpers, Construction Trades, All Other	60	\$8.42	\$8.43	\$17,540	7.1 %
47-4011	Construction and Building Inspectors	60	\$18.37	\$18.60	\$38,680	2.0 %

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

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
49-0000	Installation, Maintenance, and Repair Occupations	2,990	\$12.00	\$13.11	\$27,280	0.9 %
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	270	\$18.85	\$19.51	\$40,580	1.5 %
49-2011	Computer, Automated Teller,	30	\$7.55	\$7.62	\$15,860	3.3

	and Office Machine Repairers					%
49-3011	Aircraft Mechanics and Service Technicians	130	\$26.04	\$22.65	\$47,120	4.1%
49-3021	Automotive Body and Related Repairers	60	\$10.46	\$10.64	\$22,140	2.2%
49-3023	Automotive Service Technicians and Mechanics	330	\$13.06	\$12.69	\$26,390	1.9%
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	120	\$12.30	\$12.46	\$25,910	1.4%
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	170	\$14.84	\$14.88	\$30,950	2.0%
49-3093	Tire Repairers and Changers	50	\$7.29	\$7.59	\$15,780	3.1%
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	140	\$12.93	\$13.24	\$27,550	2.0%
49-9042	Maintenance and Repair Workers, General	1,020	\$10.53	\$11.05	\$22,980	1.4%
49-9043	Maintenance Workers, Machinery	30	\$11.90	\$13.04	\$27,130	4.3%
49-9052	Telecommunications Line Installers and Repairers	(8)	\$12.33	\$13.36	\$27,780	2.2%
49-9098	Helpers--Installation, Maintenance, and Repair Workers	180	\$8.78	\$8.80	\$18,300	2.4%
49-9099	Installation, Maintenance, and Repair Workers, All Other	30	\$9.34	\$12.39	\$25,770	2.8%

Production Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
51-0000	Production Occupations	1,500	\$9.89	\$11.99	\$24,930	1.2

						%
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	170	\$18.55	\$19.33	\$40,200	1.9 %
51-2041	Structural Metal Fabricators and Fitters	30	\$13.03	\$13.29	\$27,650	5.5 %
51-3011	Bakers	140	\$7.06	\$7.92	\$16,460	1.7 %
51-3021	Butchers and Meat Cutters	70	\$10.01	\$11.38	\$23,680	1.6 %
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	30	\$6.79	\$6.84	\$14,230	2.8 %
51-4121	Welders, Cutters, Solderers, and Brazers	170	\$14.28	\$14.54	\$30,240	1.4 %
51-6011	Laundry and Dry-Cleaning Workers	90	\$6.49	\$6.53	\$13,590	2.6 %
51-8013	Power Plant Operators	(8)	\$17.51	\$17.59	\$36,590	5.0 %
51-9198	Helpers--Production Workers	150	\$6.66	\$7.03	\$14,610	2.9 %

Transportation and Material Moving Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
53-0000	Transportation and Material Moving Occupations	3,390	\$8.91	\$10.56	\$21,960	1.0 %
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	70	\$14.53	\$15.89	\$33,050	1.6 %
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and	80	\$14.51	\$15.63	\$32,510	1.3 %

	<u>Vehicle Operators</u>					
53-3021	<u>Bus Drivers, Transit and Intercity</u>	290	\$7.56	\$8.26	\$17,190	3.0 %
53-3031	<u>Driver/Sales Workers</u>	220	\$6.92	\$8.21	\$17,090	2.4 %
53-3032	<u>Truck Drivers, Heavy and Tractor-Trailer</u>	420	\$11.84	\$11.97	\$24,900	1.2 %
53-3033	<u>Truck Drivers, Light or Delivery Services</u>	470	\$7.44	\$8.25	\$17,160	1.5 %
53-3041	<u>Taxi Drivers and Chauffeurs</u>	70	\$7.34	\$7.49	\$15,570	2.2 %
53-5011	<u>Sailors and Marine Oilers</u>	40	\$11.33	\$11.20	\$23,290	3.4 %
53-5021	<u>Captains, Mates, and Pilots of Water Vessels</u>	50	\$20.21	\$19.79	\$41,170	5.2 %
53-6021	<u>Parking Lot Attendants</u>	50	\$6.47	\$6.59	\$13,700	4.2 %
53-6031	<u>Service Station Attendants</u>	110	\$6.36	\$6.31	\$13,130	3.6 %
53-7021	<u>Crane and Tower Operators</u>	60	\$14.19	\$14.82	\$30,820	2.6 %
53-7051	<u>Industrial Truck and Tractor Operators</u>	120	\$11.12	\$11.67	\$24,280	1.6 %
53-7061	<u>Cleaners of Vehicles and Equipment</u>	110	\$6.71	\$7.13	\$14,840	3.2 %
53-7062	<u>Laborers and Freight, Stock, and Material Movers, Hand</u>	550	\$8.19	\$9.91	\$20,600	1.5 %
53-7064	<u>Packers and Packagers, Hand</u>	180	\$6.73	\$7.05	\$14,670	2.0 %
53-7081	<u>Refuse and Recyclable Material Collectors</u>	110	\$9.30	\$9.68	\$20,120	2.0 %

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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) Wages for some occupations that do not generally work year-round, full time, are reported either as hourly wages or annual salaries depending on how they are typically paid.

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

(8) Estimates not released.

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U.S. Bureau of Labor Statistics
Division of Occupational Employment Statistics
Suite 2135, 2 Massachusetts Avenue, NE Washington, DC 20212-0001
<http://www.bls.gov/OES> | Telephone: (202) 691-6569 | Fax: (202) 691-6444
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Technical Notes for May 2007 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 the national estimates. OES estimates are constructed from a sample of about 1.2 million establishments. Forms are mailed to approximately 200,000 establishments in May and November of each year for a 3-year period. The nationwide response rate for the May 2006 survey was 78.1 percent based on establishments and 73.4 percent based on employment. The survey included establishments sampled in the May 2006, November 2005, May 2005, November 2004, May 2004, and November 2003 semiannual panels.

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 practitioner 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 system, please see the BLS Web site at <http://www.bls.gov/soc/home.htm>.

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 U.S. Postal Service and the executive branch of the federal government are also 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, metropolitan, and nonmetropolitan areas. 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 metropolitan and nonmetropolitan areas and industry. Samples selected in panels prior to May 2005 were stratified using MSA definitions based on the 1990 Metropolitan Statistical Area Standards. Beginning with the May 2005 panel, the sample was stratified using new MSA definitions based on the 2000 Metropolitan Statistical Area Standards.

A census of federal government and the U.S. Postal Service is taken every May panel. A census of state government and Hawaii's local government is taken every November panel. In order to provide the most occupational coverage, larger employers are more likely to be selected than smaller employers. The unweighted employment of sampled establishments makes up approximately 65 percent of total national employment.

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 May 2006 survey are as follows:

For May 2007, November 2006, May 2006 and November 2005 panels:

Interval	Hourly Wages	Annual Wages
Range A	Under \$7.50	Under \$15,600
Range B	\$7.50 to \$9.49	\$15,600 to \$19,759
Range C	\$9.50 to \$11.99	\$19,760 to \$24,959
Range D	\$12.00 to \$15.24	\$24,960 to \$31,719
Range E	\$15.25 to \$19.24	\$31,720 to \$40,039
Range F	\$19.25 to \$24.49	\$40,040 to \$50,959
Range G	\$24.50 to \$30.99	\$50,960 to \$64,479
Range H	\$31.00 to \$39.24	\$64,480 to \$81,639
Range I	\$39.25 to \$49.74	\$81,640 to \$103,749
Range J	\$49.75 to \$63.24	\$103,480 to \$131,559
Range K	\$63.25 to \$79.99	\$131,560 to \$166,399
Range L	\$80.00 and over	\$166,400 and over

For May 2005 and November 2004 panels:

Interval	Hourly Wages	Annual Wages
Range A	Under \$6.75	Under \$14,040

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 E	\$13.50 to \$16.99	\$28,080 to \$35,359
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).

Beginning with the November 2005 panel the lower boundary of the highest wage interval was increased from \$70.00 to \$80.00. The mean hourly wage value for the highest wage interval was computed separately for NCS data from 2005 for \$80.00 and over, and from 2004 and 2003 for \$70.00 and over. The mean wage rate from 2005 was used for the \$80.00 and over interval for the May 2006 and November 2005 panels. The average of the 2004 and 2003 mean wage rates was used for the \$70.00 and over interval for the May 2005, November 2004, May 2004, and November 2003 panels.

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 typically paid, but not both. For example, teachers, flight attendants, and pilots may be 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

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.

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. The wage rates for the highest wage interval do not go through any wage updating procedures.

Imputation. About 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, sampling weights are adjusted when six panels are combined. Sampling weights are further adjusted by the ratio of employment totals (the averages of November 2005 and May 2006 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

May 2007 OES survey estimates. The May 2007 OES survey estimates are based on all data collected from establishments in the May 2007, November 2006, May 2006, November 2005, May 2005, and November 2004 semi-annual samples.

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.

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U.S. Bureau of Labor Statistics
Division of Occupational Employment Statistics
Suite 2135
2 Massachusetts Ave., NE
Washington, DC 20212-0001

URL: <http://www.bls.gov/OES>
Phone: (202) 691-6569
Fax: (202) 691-6444
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May 2007 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

~ = indicates that the percent of establishments reporting the occupation is less than 0.5%

OCC_CODE	OCC_TITLE	GROUP	TOT_EMP	MP_PSE	H_MEAN	A_MEAN	AN_PSE	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90	3250	45450	
29-9011	Medical records and health information technicians		90	3.5	12.41	25820	2.2	6.39	8.00	10.62	15.50	21.85	13290	16640	22100	32250	45450			
29-9011	Occupational health and safety specialists		40	4.1	*	*	*	*	*	*	*	*	*	*	*	*	*			
31-0000	Healthcare support occupations	major	550	3.9	10.57	21990	2.5	6.30	7.71	9.51	13.01	15.51	13110	16040	19780	27050	32270			
31-9011	Massage therapists		120	5.7	8.09	16820	13.4	5.60	6.10	6.94	7.98	9.57	11650	12690	14430	16610	19900			
31-9091	Dental assistants		150	11.3	12.39	25760	6.3	7.78	8.57	11.14	15.39	19.86	16170	17830	23160	32000	41310			
31-9092	Medical assistants	major	110	9.2	11.12	23140	2.1	8.24	9.15	11.08	13.20	14.49	17130	19030	23050	27470	30150			
33-0000	Protective service occupations		2470	1.3	12.83	26990	3.3	5.94	6.86	11.49	17.58	21.87	12350	14260	23900	36570	45490			
33-9032	Security guards		1070	2.9	7.35	15300	4.6	5.60	6.02	6.71	7.42	9.20	11660	12560	13950	15430	19130			
33-9092	Lifeguards, ski patrol, and other recreational protective service workers		70	11.0	8.33	17330	3.0	5.87	6.18	6.98	8.25	10.40	11860	12860	14520	17150	20200	23780		
35-0000	Food preparation and serving related occupations	major	5920	1.6	7.70	16020	0.9	5.70	6.07	6.82	8.25	10.40	11860	12860	14520	17150	20200	23780		
35-1011	Chefs and head cooks		150	2.2	15.53	32300	1.3	8.43	10.17	14.16	19.21	25.60	17530	21150	29460	39660	53250			
35-1012	First-line supervisors/managers of food preparation and serving workers		420	3.1	10.94	22760	0.9	7.15	8.40	9.87	12.21	17.11	14880	17460	20530	25390	35590			
35-2014	Cooks, fast food		200	10.2	7.40	15390	3.5	5.75	6.24	7.05	8.61	9.69	11960	12980	14670	17900	20150			
35-2014	Cooks, restaurant		650	1.9	8.08	16810	1.1	5.84	6.56	7.68	9.06	10.90	12140	13640	15670	18850	22670			
35-2015	Cooks, short order		50	13.3	7.90	16440	6.0	5.64	6.11	6.89	7.70	10.40	11730	12710	14340	16100	21640			
35-2021	Food preparation workers		940	4.9	7.24	15050	1.7	5.68	6.08	6.75	7.55	9.91	11820	12650	14040	15700	20620			
35-3011	Barenders		260	5.1	7.43	15450	2.0	5.72	6.27	7.19	8.29	9.38	11900	13050	14950	17250	21630			
35-3021	Combined food preparation and serving workers, including fast food		460	9.5	6.85	14240	2.3	5.63	6.01	6.63	7.27	8.06	11720	12490	13790	15130	16750			
35-3022	Counter attendants, cafeteria, food concession, and coffee shop		180	8.6	6.67	13860	4.4	5.64	5.99	6.58	7.16	7.63	11720	12460	13690	14930	15860			
35-3031	Waiters and waitresses		1550	2.4	6.90	14350	1.5	5.62	6.01	6.65	7.31	8.09	11690	12500	13830	15210	16830			
35-3031	Food servers, nonrestaurant		30	17.2	6.41	13340	5.1	5.56	5.89	6.44	6.99	7.37	11570	12250	13390	14530	15340			
35-9011	Dining room and cafeteria attendants and bartender helpers		160	3.2	6.65	13830	3.0	5.61	5.97	6.56	7.16	7.62	11670	12410	13650	14890	15840			
35-9021	Dishwashers		390	3.2	6.58	13680	1.8	5.60	5.95	6.54	7.13	7.56	11640	12360	13600	14830	15730			
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop		190	6.1	6.96	14480	3.1	5.69	6.09	6.74	7.50	8.81	11840	12660	14020	15600	18310			
37-0000	Building and grounds cleaning and maintenance occupations	major	3420	0.8	8.29	17250	1.4	5.69	6.22	7.09	8.80	11.82	11830	12930	14750	18300	24590			
37-1011	First-line supervisors/managers of housekeeping and janitorial workers		290	0.6	12.91	26860	0.9	6.62	8.14	10.72	16.44	22.82	13780	16940	22310	34200	48170			
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers		100	13.1	16.84	35020	12.0	6.24	7.77	10.74	18.08	52.25	12980	16190	22340	37610	108960			
37-2011	Janitors and cleaners, except maids and housekeeping cleaners		1260	1.9	7.83	16280	1.9	5.65	6.15	6.99	8.42	11.47	11750	12750	14530	17620	23860			
37-2012	Maids and housekeeping cleaners		1190	0.4	6.96	14480	1.7	5.63	6.04	6.72	7.45	9.11	11700	12550	13970	15490	18940			
37-3021	Pest control workers		40	22.0	9.60	19960	4.8	6.29	7.62	9.23	10.74	13.54	13080	15840	19200	22350	28160			
37-3011	Landscaping and groundskeeping workers		510	2.0	7.96	16560	1.7	5.77	6.42	7.56	8.99	10.80	12000	13360	15730	18710	22460			
37-3019	Grounds maintenance workers, all other	major	2410	1.9	13.84	28790	2.5	5.99	6.94	9.54	13.36	20.24	14490	17940	19950	27780	44190			
39-0000	Personal care and service occupations		50	1.6	12.22	25420	1.5	7.15	8.64	10.90	14.43	18.53	14870	17960	22670	30010	38540			
39-1021	First-line supervisors/managers of personal service workers		280	12.3	7.38	15340	3.5	5.69	6.10	6.78	7.59	8.84	11840	12690	14100	15780	18390			
39-3091	Amusement and recreation attendants		120	12.1	10.72	22290	8.3	6.08	7.37	9.51	11.48	17.82	12650	15330	19780	23690	30700			
39-5012	Hairdressers, hairstylists, and cosmetologists		100	0.0	6.80	14130	2.7	5.61	6.00	6.65	7.32	7.89	11680	12490	13840	15220	16400			
39-6012	Concierges		50	0.0	9.93	20650	1.7	6.18	7.38	9.85	12.18	14.37	12850	15340	20490	25940	32990			
39-6021	Tour guides and escorts		170	7.5	9.56	19890	2.0	5.95	6.89	8.58	11.62	15.16	12380	14330	17840	24180	31530			
39-9011	Child care workers		690	2.6	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
41-0000	Sales and related occupations	major	5540	1.8	9.58	19920	1.7	5.78	6.42	7.59	10.90	15.22	12020	13350	15790	18700	22670	31650		
41-1011	First-line supervisors/managers of retail sales workers		700	3.3	15.31	31830	6.7	7.18	9.16	12.71	16.92	23.39	14930	19060	26440	35200	48640			
41-1012	First-line supervisors/managers of non-retail sales workers		90	5.5	16.38	34080	1.7	9.02	11.23	15.13	19.97	26.69	18750	23360	31470	41540	55510			
41-2011	Cashiers		2110	3.1	7.14	14860	0.9	5.64	6.06	6.77	7.61	9.40	11720	12610	14080	15830	19550			
41-2021	Counter and rental clerks		90	6.7	8.57	17830	2.6	5.89	6.62	7.99	9.73	12.17	12240	13760	16620	20230	25310			
41-2022	Parts salespersons		110	4.7	9.56	19880	2.6	6.09	7.22	8.99	11.47	14.20	12660	15010	18710	23850	29550			
41-2031	Retail salespersons		1650	3.8	8.95	18610	1.5	5.77	6.40	7.55	10.37	14.23	12000	13300	15700	21570	29600			
41-3011	Advertising sales agents		30	3.9	13.99	29100	2.9	6.78	9.54	13.78	17.17	22.20	14100	19850	26660	35720	46170			
41-3021	Insurance sales agents		50	5.5	15.34	31920	5.3	8.24	9.41	11.86	18.81	26.97	17140	19570	24680	39130	56100			
41-3041	Travel agents		70	19.7	11.37	23650	3.4	7.85	8.85	10.93	13.75	15.48	16320	18400	22730	28610	32210			
41-3099	Sales representatives, services, all other		60	19.8	11.37	17380	4.4	5.82	6.36	7.28	8.87	10.80	12100	13290	15140	20620	27240			
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products		80	22.9	14.33	29800	8.7	8.66	10.13	11.82	15.87	24.90	18020	21060	24590	33000	51790			
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products		260	11.0	11.90	24750	3.3	6.66	8.33	11.61	14.02	17.50	13840	17330	21440	29160	36410			
41-9011	Demonstrators and product promoters		140	0.0	8.21	17070	2.1	5.80	6.44	7.57	9.59	11.70	12050	13300	15740	19940	24330			
41-9041	Telemarketers		40	5.0	11.39	23690	2.6	6.22	7.59	10.14	15.00	18.91	12940	15800	21100	31200	39330			
43-0000	Office and administrative support occupations	major	10760	1.2	12.34	25660	0.8	6.39	8.01	11.24	15.64	19.92	13300	16650	23380	32540	41440			
43-1011	First-line supervisors/managers of office and administrative support workers		850	3.1	18.27	38010	1.3	9.69	13.35	17.60	22.48	30.50	27770	33610	46750	57370	73700			
43-1011	Switchboard operators, including answering service		90	2.2	9.25	19230	1.3	5.87	6.65	7.98	10.85	15.47	12200	13830	16590	22580	32180			
43-3011	Bill and account collectors		210	11.2	11.09	23080	1.6	6.89	8.01	10.10	13.61	16.83	13920	16650	21010	28300	35000			
43-3021	Billing and posting clerks and machine operators		890	4.2	10.53	21900	0.8	8.22	9.85	12.47	15.06	18.06	14360	17090	20480	25950	31320			
43-3031	Bookkeeping, accounting, and auditing clerks		180	4.1	11.98	24920	1.1	6.80	8.64	11.31	14.72	18.24	14150	17970	23530	30610	37940			

OCC_CODE	OCC_TITLE	GROUP	TOT_EMP	MP_PRSE	H_MEAN	A_MEAN	AN_PRSE	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90
43-6014	Secretaries, except legal, medical, and executive		350	5.6	13.75	28600	1.8	7.61	9.53	13.24	17.13	21.25	15820	19820	27530	35630	44210	15820	19820	27530	35630	44210	15820	19820	27530	35630	44210	15820	19820	27530	35630	44210	15820	19820	27530	35630	44210
43-9011	Computer operators		90	7.2	13.17	27390	1.9	8.22	9.59	12.37	16.60	19.10	17090	19940	25720	34540	39730	17090	19940	25720	34540	39730	17090	19940	25720	34540	39730	17090	19940	25720	34540	39730	17090	19940	25720	34540	39730
43-9021	Data entry keyers		110	7.0	9.59	19940	2.6	6.23	7.68	9.25	11.39	13.53	12950	15980	19240	23690	28130	12950	15980	19240	23690	28130	12950	15980	19240	23690	28130	12950	15980	19240	23690	28130	12950	15980	19240	23690	28130
43-9041	Insurance claims and policy processing clerks		90	15.3	11.52	23950	1.6	7.88	8.70	10.44	13.76	17.65	16380	18090	21710	28620	36710	16380	18090	21710	28620	36710	16380	18090	21710	28620	36710	16380	18090	21710	28620	36710	16380	18090	21710	28620	36710
43-9061	Office clerks, general		980	1.8	8.82	18340	1.5	5.77	6.48	7.73	10.57	13.77	11980	13490	16070	21990	28640	11980	13490	16070	21990	28640	11980	13490	16070	21990	28640	11980	13490	16070	21990	28640	11980	13490	16070	21990	28640
45-0000	Farming, fishing, and forestry occupations	major	**	**	13.16	27360	3.4	6.16	7.35	13.18	16.30	21.68	17510	15300	27410	33910	45100	17510	15300	27410	33910	45100	17510	15300	27410	33910	45100	17510	15300	27410	33910	45100	17510	15300	27410	33910	45100
47-0000	Construction and extraction occupations	major	3730	1.3	12.75	26520	0.7	8.42	10.36	12.46	14.46	17.51	12810	21550	25920	30070	36420	12810	21550	25920	30070	36420	12810	21550	25920	30070	36420	12810	21550	25920	30070	36420	12810	21550	25920	30070	36420
47-1011	First-line supervisors/managers of construction trades and extraction workers		230	3.1	19.77	41120	1.5	13.01	15.36	18.57	23.00	27.60	27060	31940	38630	47830	59700	27060	31940	38630	47830	59700	27060	31940	38630	47830	59700	27060	31940	38630	47830	59700	27060	31940	38630	47830	59700
47-2051	Carpenters		860	2.5	12.95	26940	0.9	10.56	11.75	12.91	14.17	15.26	21960	24440	26840	29480	31740	21960	24440	26840	29480	31740	21960	24440	26840	29480	31740	21960	24440	26840	29480	31740	21960	24440	26840	29480	31740
47-2051	Cement masons and concrete finishers		410	4.4	12.43	25860	1.2	10.40	11.29	12.41	13.80	11.61	21630	23490	25820	28710	30650	21630	23490	25820	28710	30650	21630	23490	25820	28710	30650	21630	23490	25820	28710	30650	21630	23490	25820	28710	30650
47-2073	Construction laborers		520	7.2	9.15	19040	1.5	6.60	7.89	8.97	10.30	11.61	13730	16420	18670	21420	24150	13730	16420	18670	21420	24150	13730	16420	18670	21420	24150	13730	16420	18670	21420	24150	13730	16420	18670	21420	24150
47-2073	Operating engineers and other construction equipment operators		170	10.4	12.82	26670	1.6	9.51	10.65	12.41	14.48	17.16	19780	22150	25820	30110	36690	19780	22150	25820	30110	36690	19780	22150	25820	30110	36690	19780	22150	25820	30110	36690	19780	22150	25820	30110	36690
47-2111	Electricians		410	3.3	14.85	30890	1.1	11.09	12.66	14.36	17.04	19.34	23060	26340	29860	34300	40220	23060	26340	29860	34300	40220	23060	26340	29860	34300	40220	23060	26340	29860	34300	40220	23060	26340	29860	34300	40220
47-2141	Painters, construction and maintenance		200	3.8	13.40	27870	1.5	8.93	11.46	13.56	15.22	17.79	18570	20380	22800	26000	30700	18570	20380	22800	26000	30700	18570	20380	22800	26000	30700	18570	20380	22800	26000	30700	18570	20380	22800	26000	30700
47-2152	Plumbers, pipelayers, and steamfitters		160	1.9	13.86	28830	1.2	11.10	12.55	13.75	15.04	17.04	23080	26110	28700	31280	35440	23080	26110	28700	31280	35440	23080	26110	28700	31280	35440	23080	26110	28700	31280	35440	23080	26110	28700	31280	35440
47-2161	Plasterers and stucco masons		80	16.5	10.83	22530	2.0	9.27	10.11	10.91	11.81	12.52	19280	21020	22700	24560	26040	19280	21020	22700	24560	26040	19280	21020	22700	24560	26040	19280	21020	22700	24560	26040	19280	21020	22700	24560	26040
47-2171	Reinforcing iron and rebar workers		80	1.7	12.01	24980	1.5	10.09	10.77	11.85	13.40	14.50	20980	22400	24660	27880	30160	20980	22400	24660	27880	30160	20980	22400	24660	27880	30160	20980	22400	24660	27880	30160	20980	22400	24660	27880	30160
47-2211	Sheet metal workers		60	4.3	15.21	31640	1.5	11.31	13.27	15.21	17.46	19.34	23520	27590	31640	36320	40220	23520	27590	31640	36320	40220	23520	27590	31640	36320	40220	23520	27590	31640	36320	40220	23520	27590	31640	36320	40220
47-2221	Structural iron and steel workers		50	7.6	11.50	23910	2.0	10.10	10.62	11.48	12.33	13.61	21010	22080	23870	25640	28310	21010	22080	23870	25640	28310	21010	22080	23870	25640	28310	21010	22080	23870	25640	28310	21010	22080	23870	25640	28310
47-3012	Helpers--carpenters		90	10.2	8.60	17890	3.1	6.05	6.95	8.58	9.94	11.65	12580	14450	16080	17890	20680	12580	14450	16080	17890	20680	12580	14450	16080	17890	20680	12580	14450	16080	17890	20680	12580	14450	16080	17890	20680
47-3013	Helpers--electricians		70	6.3	10.11	21040	1.8	7.67	8.42	9.65	11.39	14.03	15950	17510	19050	20970	23170	15950	17510	19050	20970	23170	15950	17510	19050	20970	23170	15950	17510	19050	20970	23170	15950	17510	19050	20970	23170
47-3015	Helpers--pipelayers, plumbers, pipefitters, and steamfitters		50	4.1	9.13	19000	2.4	7.51	7.93	8.59	9.73	12.39	16490	18520	20780	22300	25780	16490	18520	20780	22300	25780	16490	18520	20780	22300	25780	16490	18520	20780	22300	25780	16490	18520	20780	22300	25780
47-3019	Helpers, construction trades, all other		60	32.7	10.64	22140	2.2	6.47	7.12	8.43	10.16	11.24	11900	13620	15750	17520	21820	11900	13620	15750	17520	21820	11900	13620	15750	17520	21820	11900	13620	15750	17520	21820	11900	13620	15750	17520	21820
47-4011	Construction and building inspectors		60	10.4	18.60	38680	2.0	13.33	15.13	18.37	21.79	24.58	27720	31460	38200	45330	51130	27720	31460	38200	45330	51130	27720	31460	38200	45330	51130	27720	31460	38200	45330	51130	27720	31460	38200	45330	51130
49-0000	Installation, maintenance, and repair occupations	major	2990	0.9	13.11	27280	2.0	6.76	8.94	12.00	15.88	21.03	14060	18600	24960	33030	43740	14060	18600	24960	33030	43740	14060	18600	24960	33030	43740	14060	18600	24960	33030	43740	14060	18600	24960	33030	43740
49-1011	First-line supervisors/managers of mechanics, installers, and repairers		270	3.5	19.51	40580	1.5	10.70	14.57	18.85	23.29	28.35	22250	30310	39210	48440	59960	22250	30310	39210	48440	59960	22250	30310	39210	48440	59960	22250	30310	39210	48440	59960	22250	30310	39210	48440	59960
49-1011	Computer, automated teller, and office machine repairers		30	10.0	7.62	15860	3.3	5.79	6.44	7.55	8.61	9.34	12040	13390	15700	19440	23050	12040	13390	15700	19440	23050	12040	13390	15700	19440	23050	12040	13390	15700	19440	23050	12040	13390	15700	19440	23050
49-2011	Aircraft mechanics and service technicians		130	5.0	22.65	47120	4.1	9.28	17.60	26.04	28.70	30.30	19310	23040	29100	37900	49100	19310	23040	29100	37900	49100	19310	23040	29100	37900	49100	19310	23040	29100	37900	49100	19310	23040	29100	37900	49100
49-3021	Automotive body and related repairers		60	14.7	10.64	22140	2.2	6.47	7.12	8.43	10.16	11.24	11900	13620	15750	17520	21820	11900	13620	15750	17520	21820	11900	136													