



## Occupational Employment Statistics

# May 2009 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):

- [00-0000All Occupations](#)
- [11-0000Management Occupations](#)
- [13-0000Business and Financial Operations Occupations](#)
- [15-0000Computer and Mathematical Science Occupations](#)
- [17-0000Architecture and Engineering Occupations](#)
- [19-0000Life, Physical, and Social Science Occupations](#)
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<b>All Occupations <a href="#">top</a></b>						
			Wage Estimates			
Occupation Code	Occupation Title	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
00-0000	<b>All Occupations</b>	60,910	\$11.18	\$14.33	\$29,810	1.1 %
<b>Management Occupations <a href="#">top</a></b>						
			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
11-0000	<a href="#">Management Occupations</a>	4,920	\$22.30	\$26.39	\$54,900	1.0 %
11-1011	<a href="#">Chief Executives</a>	770	\$32.23	\$41.19	\$85,670	3.2 %
11-1021	<a href="#">General and Operations Managers</a>	1,660	\$22.03	\$24.91	\$51,810	1.2 %
11-2011	<a href="#">Advertising and Promotions Managers</a>	60	\$18.55	\$19.61	\$40,780	2.0 %
11-2021	<a href="#">Marketing Managers</a>	120	\$22.52	\$23.19	\$48,230	1.9 %
11-2022	<a href="#">Sales Managers</a>	370	\$18.78	\$20.96	\$43,600	1.5 %
11-3011	<a href="#">Administrative Services Managers</a>	330	\$19.60	\$20.27	\$42,170	1.4 %
11-3021	<a href="#">Computer and Information Systems Managers</a>	80	\$23.83	\$25.68	\$53,410	2.2 %
11-3031	<a href="#">Financial Managers</a>	290	\$23.80	\$26.04	\$54,160	1.5 %
11-3061	<a href="#">Purchasing Managers</a>	60	\$17.45	\$18.11	\$37,670	1.6 %
11-3071	<a href="#">Transportation, Storage, and Distribution Managers</a>	80	\$23.66	\$26.30	\$54,710	1.8 %
11-9021	<a href="#">Construction Managers</a>	190	\$19.53	\$23.43	\$48,730	2.3 %
11-9032	<a href="#">Education Administrators, Elementary and Secondary School</a>	80	<a href="#">(4)</a>	<a href="#">(4)</a>	\$63,520	2.4 %

11-9039	<a href="#">Education Administrators, All Other</a>	210	\$30.43	\$31.23	\$64,950	2.5 %
11-9041	<a href="#">Engineering Managers</a>	70	\$22.85	\$24.36	\$50,670	2.1 %
11-9051	<a href="#">Food Service Managers</a>	240	\$12.60	\$14.19	\$29,500	1.9 %
11-9141	<a href="#">Property, Real Estate, and Community Association Managers</a>	60	\$13.68	\$14.39	\$29,920	4.0 %

### Business and Financial Operations Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
13-0000	<a href="#">Business and Financial Operations Occupations</a>	2,090	\$19.44	\$21.62	\$44,980	1.1 %
13-1023	<a href="#">Purchasing Agents, Except Wholesale, Retail, and Farm Products</a>	180	\$16.92	\$20.15	\$41,910	1.5 %
13-1031	<a href="#">Claims Adjusters, Examiners, and Investigators</a>	90	\$15.98	\$18.95	\$39,410	2.4 %
13-1041	<a href="#">Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation</a>	260	\$20.02	\$22.71	\$47,240	1.8 %
13-1051	<a href="#">Cost Estimators</a>	50	\$20.14	\$21.50	\$44,730	1.5 %
13-1071	<a href="#">Employment, Recruitment, and Placement Specialists</a>	70	\$19.11	\$20.03	\$41,660	1.6 %
13-1072	<a href="#">Compensation, Benefits, and Job Analysis Specialists</a>	30	\$15.55	\$15.63	\$32,520	1.9 %
13-1073	<a href="#">Training and Development Specialists</a>	40	\$17.91	\$18.97	\$39,450	1.6 %
13-1079	<a href="#">Human Resources, Training, and Labor Relations Specialists, All Other</a>	30	\$23.39	\$24.04	\$50,000	1.7 %
13-1111	<a href="#">Management Analysts</a>	140	\$23.81	\$25.32	\$52,670	1.3 %
13-2011	<a href="#">Accountants and Auditors</a>	560	\$17.53	\$18.87	\$39,260	1.0 %
13-2031	<a href="#">Budget Analysts</a>	50	\$23.39	\$23.29	\$48,440	1.8 %

13-2053	<a href="#">Insurance Underwriters</a>	70	\$12.92	\$13.55	\$28,180	3.3 %
13-2072	<a href="#">Loan Officers</a>	60	\$18.14	\$21.70	\$45,140	1.9 %
13-2082	<a href="#">Tax Preparers</a>	40	\$13.93	\$13.82	\$28,750	2.6 %

### Computer and Mathematical Science Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
15-0000	<a href="#">Computer and Mathematical Science Occupations</a>	480	\$18.62	\$20.69	\$43,040	1.4 %
15-1041	<a href="#">Computer Support Specialists</a>	230	\$15.62	\$17.10	\$35,560	3.9 %
15-1051	<a href="#">Computer Systems Analysts</a>	40	\$21.12	\$21.69	\$45,120	1.8 %
15-1071	<a href="#">Network and Computer Systems Administrators</a>	60	\$17.80	\$19.61	\$40,790	1.7 %

### Architecture and Engineering Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
17-0000	<a href="#">Architecture and Engineering Occupations</a>	870	\$22.23	\$24.25	\$50,440	2.5 %
17-1011	<a href="#">Architects, Except Landscape and Naval</a>	50	\$24.31	\$25.95	\$53,980	2.8 %
17-2051	<a href="#">Civil Engineers</a>	200	\$24.96	\$27.91	\$58,040	2.2 %
17-2071	<a href="#">Electrical Engineers</a>	60	\$25.32	\$26.64	\$55,410	3.0 %
17-2081	<a href="#">Environmental Engineers</a>	40	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>
17-3011	<a href="#">Architectural and Civil Drafters</a>	50	\$17.01	\$17.26	\$35,890	2.8 %

17-3023	<a href="#">Electrical and Electronic Engineering Technicians</a>	(8)	\$18.35	\$21.25	\$44,190	3.4 %
17-3029	<a href="#">Engineering Technicians, Except Drafters, All Other</a>	40	\$31.45	\$29.06	\$60,450	2.8 %

### 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	<a href="#">Life, Physical, and Social Science Occupations</a>	360	\$18.93	\$22.33	\$46,440	1.6 %
19-2041	<a href="#">Environmental Scientists and Specialists, Including Health</a>	80	\$19.59	\$22.84	\$47,500	4.4 %

### Community and Social Services 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)
21-0000	<a href="#">Community and Social Services Occupations</a>	690	\$14.72	\$16.22	\$33,740	1.4 %
21-1012	<a href="#">Educational, Vocational, and School Counselors</a>	70	\$20.07	\$19.58	\$40,720	2.3 %
21-1022	<a href="#">Medical and Public Health Social Workers</a>	40	\$18.14	\$18.21	\$37,880	2.1 %
21-1093	<a href="#">Social and Human Service Assistants</a>	100	\$12.69	\$12.56	\$26,120	2.1 %
21-2011	<a href="#">Clergy</a>	90	\$11.40	\$14.64	\$30,450	7.7 %

### Legal Occupations [top](#)

		Wage Estimates				
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Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
23-0000	<a href="#">Legal Occupations</a>	250	\$27.48	\$33.19	\$69,030	5.1 %
23-1011	<a href="#">Lawyers</a>	130	\$40.39	\$43.90	\$91,320	6.6 %
23-2011	<a href="#">Paralegals and Legal Assistants</a>	40	\$17.47	\$16.98	\$35,320	5.0 %

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

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
25-0000	<a href="#">Education, Training, and Library Occupations</a>	4,080	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>
25-2011	<a href="#">Preschool Teachers, Except Special Education</a>	190	\$8.58	\$9.92	\$20,620	2.7 %
25-2031	<a href="#">Secondary School Teachers, Except Special and Vocational Education</a>	690	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>
25-3021	<a href="#">Self-Enrichment Education Teachers</a>	30	\$13.39	\$13.94	\$28,990	3.4 %
25-3099	<a href="#">Teachers and Instructors, All Other</a>	130	<a href="#">(4)</a>	<a href="#">(4)</a>	\$36,970	1.7 %
25-4021	<a href="#">Librarians</a>	30	\$20.04	\$20.30	\$42,230	2.0 %
25-9041	<a href="#">Teacher Assistants</a>	230	<a href="#">(4)</a>	<a href="#">(4)</a>	\$18,110	3.1 %

### 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 <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
27-0000	<a href="#">Arts, Design, Entertainment, Sports, and Media Occupations</a>	580	\$12.12	\$13.95	\$29,020	2.3 %

27-1024	<a href="#">Graphic Designers</a>	90	\$11.54	\$12.09	\$25,150	2.2 %
27-2022	<a href="#">Coaches and Scouts</a>	30	(4)	(4)	\$37,220	9.4 %
27-3022	<a href="#">Reporters and Correspondents</a>	30	\$13.95	\$14.38	\$29,910	3.3 %
27-4021	<a href="#">Photographers</a>	60	\$10.20	\$10.99	\$22,860	3.5 %
27-4031	<a href="#">Camera Operators, Television, Video, and Motion Picture</a>	40	\$12.40	\$12.63	\$26,270	9.7 %

### 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	<a href="#">Healthcare Practitioner and Technical Occupations</a>	1,530	\$19.66	\$26.93	\$56,020	2.6 %
29-1021	<a href="#">Dentists, General</a>	30	\$61.31	\$62.37	\$129,740	9.4 %
29-1031	<a href="#">Dietitians and Nutritionists</a>	40	\$13.70	\$15.33	\$31,890	1.7 %
29-1051	<a href="#">Pharmacists</a>	40	\$43.47	\$40.44	\$84,120	2.2 %
29-1062	<a href="#">Family and General Practitioners</a>	50	\$65.92	\$80.44	\$167,310	10.5 %
29-1069	<a href="#">Physicians and Surgeons, All Other</a>	50	(5)	\$84.00	\$174,720	7.6 %
29-1071	<a href="#">Physician Assistants</a>	30	\$15.80	\$20.83	\$43,330	3.2 %
29-1111	<a href="#">Registered Nurses</a>	500	\$23.82	\$23.86	\$49,630	1.7 %
29-2011	<a href="#">Medical and Clinical Laboratory Technologists</a>	30	\$17.73	\$17.21	\$35,800	10.7 %
29-2012	<a href="#">Medical and Clinical Laboratory Technicians</a>	60	\$14.60	\$14.36	\$29,870	3.1 %
29-2021	<a href="#">Dental Hygienists</a>	50	\$16.72	\$16.88	\$35,120	3.2 %
29-2034	<a href="#">Radiologic Technologists and Technicians</a>	70	\$14.97	\$16.10	\$33,490	1.4 %
29-2052	<a href="#">Pharmacy Technicians</a>	80	\$11.77	\$11.88	\$24,710	4.3 %

29-2061	<a href="#">Licensed Practical and Licensed Vocational Nurses</a>	90	\$16.90	\$16.59	\$34,510	1.5 %
29-2071	<a href="#">Medical Records and Health Information Technicians</a>	80	\$11.23	\$12.23	\$25,440	2.2 %
29-9011	<a href="#">Occupational Health and Safety Specialists</a>	50	(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 <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
31-0000	<a href="#">Healthcare Support Occupations</a>	680	\$10.03	\$10.94	\$22,750	1.5 %
31-1012	<a href="#">Nursing Aides, Orderlies, and Attendants</a>	150	(8)	(8)	(8)	(8)
31-9011	<a href="#">Massage Therapists</a>	140	\$7.78	\$8.29	\$17,240	5.0 %
31-9091	<a href="#">Dental Assistants</a>	140	\$11.48	\$12.44	\$25,870	4.7 %
31-9092	<a href="#">Medical Assistants</a>	120	\$10.82	\$11.35	\$23,600	1.7 %

### Protective Service Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
33-0000	<a href="#">Protective Service Occupations</a>	2,540	\$12.10	\$13.87	\$28,840	5.1 %
33-1099	<a href="#">First-Line Supervisors/Managers, Protective Service Workers, All Other</a>	30	(8)	(8)	(8)	(8)
33-9032	<a href="#">Security Guards</a>	1,090	\$7.48	\$7.86	\$16,350	4.7 %
33-9092	<a href="#">Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers</a>	110	\$8.38	\$8.93	\$18,570	2.1 %



<b>Food Preparation and Serving Related Occupations <a href="#">top</a></b>						
			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
35-0000	<a href="#">Food Preparation and Serving Related Occupations</a>	6,440	\$7.64	\$8.33	\$17,330	1.0 %
35-1011	<a href="#">Chefs and Head Cooks</a>	190	\$14.20	\$15.92	\$33,110	2.3 %
35-1012	<a href="#">First-Line Supervisors/Managers of Food Preparation and Serving Workers</a>	360	\$9.58	\$10.59	\$22,040	2.0 %
35-2011	<a href="#">Cooks, Fast Food</a>	210	\$7.83	\$7.90	\$16,440	4.8 %
35-2012	<a href="#">Cooks, Institution and Cafeteria</a>	210	\$9.32	\$9.53	\$19,820	3.1 %
35-2014	<a href="#">Cooks, Restaurant</a>	710	\$8.16	\$8.58	\$17,860	1.2 %
35-2015	<a href="#">Cooks, Short Order</a>	60	\$7.89	\$8.38	\$17,430	4.9 %
35-2021	<a href="#">Food Preparation Workers</a>	880	\$7.63	\$8.13	\$16,910	1.6 %
35-3011	<a href="#">Bartenders</a>	220	\$7.45	\$7.79	\$16,190	2.2 %
35-3021	<a href="#">Combined Food Preparation and Serving Workers, Including Fast Food</a>	920	\$7.54	\$7.61	\$15,830	2.9 %
35-3022	<a href="#">Counter Attendants, Cafeteria, Food Concession, and Coffee Shop</a>	50	\$7.39	\$7.42	\$15,430	3.6 %
35-3031	<a href="#">Waiters and Waitresses</a>	1,770	\$7.43	\$7.78	\$16,190	1.5 %
35-3041	<a href="#">Food Servers, Nonrestaurant</a>	80	\$7.81	\$7.85	\$16,340	5.5 %
35-9011	<a href="#">Dining Room and Cafeteria Attendants and Bartender Helpers</a>	120	\$7.45	\$7.51	\$15,610	2.9 %
35-9021	<a href="#">Dishwashers</a>	470	\$7.42	\$7.54	\$15,680	1.8 %
35-9031	<a href="#">Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop</a>	180	\$7.51	\$7.81	\$16,250	2.8 %

<b>Building and Grounds Cleaning and Maintenance Occupations <a href="#">top</a></b>						
			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
37-0000	<a href="#">Building and Grounds Cleaning and Maintenance Occupations</a>	3,290	\$7.66	\$8.71	\$18,120	1.3 %
37-1011	<a href="#">First-Line Supervisors/Managers of Housekeeping and Janitorial Workers</a>	240	\$12.74	\$14.49	\$30,150	1.1 %
37-1012	<a href="#">First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers</a>	60	\$12.67	\$14.78	\$30,750	2.5 %
37-2011	<a href="#">Janitors and Cleaners, Except Maids and Housekeeping Cleaners</a>	1,200	\$7.66	\$8.45	\$17,580	2.1 %
37-2012	<a href="#">Maids and Housekeeping Cleaners</a>	1,170	\$7.40	\$7.53	\$15,670	2.2 %
37-2021	<a href="#">Pest Control Workers</a>	40	\$9.28	\$9.76	\$20,310	2.5 %
37-3011	<a href="#">Landscaping and Groundskeeping Workers</a>	570	\$7.98	\$8.41	\$17,490	1.8 %
<b>Personal Care and Service Occupations <a href="#">top</a></b>						
			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
39-0000	<a href="#">Personal Care and Service Occupations</a>	2,180	\$10.21	\$14.99	\$31,180	2.9 %
39-1021	<a href="#">First-Line Supervisors/Managers of Personal Service Workers</a>	40	\$12.71	\$13.69	\$28,480	2.9 %
39-3031	<a href="#">Ushers, Lobby Attendants, and Ticket Takers</a>	100	\$7.30	\$7.28	\$15,140	6.1 %
39-3091	<a href="#">Amusement and Recreation</a>	140	\$7.57	\$7.93	\$16,500	2.8 %

	<a href="#">Attendants</a>					
39-5012	<a href="#">Hairdressers, Hairstylists, and Cosmetologists</a>	100	\$8.53	\$9.81	\$20,410	8.1 %
39-6011	<a href="#">Baggage Porters and Bellhops</a>	100	\$7.50	\$7.53	\$15,660	3.5 %
39-6012	<a href="#">Concierges</a>	50	\$9.54	\$9.88	\$20,550	1.9 %
39-6021	<a href="#">Tour Guides and Escorts</a>	160	\$8.67	\$10.12	\$21,060	2.5 %
39-6032	<a href="#">Transportation Attendants, Except Flight Attendants and Baggage Porters</a>	30	\$8.94	\$9.47	\$19,700	3.2 %
39-9032	<a href="#">Recreation Workers</a>	190	\$7.51	\$8.58	\$17,850	3.4 %

### Sales and Related Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
41-0000	<a href="#">Sales and Related Occupations</a>	5,040	\$7.86	\$9.59	\$19,940	1.1 %
41-1011	<a href="#">First-Line Supervisors/Managers of Retail Sales Workers</a>	490	\$12.73	\$13.60	\$28,300	1.4 %
41-1012	<a href="#">First-Line Supervisors/Managers of Non-Retail Sales Workers</a>	90	\$17.36	\$17.99	\$37,420	2.4 %
41-2011	<a href="#">Cashiers</a>	1,900	\$7.32	\$7.74	\$16,110	1.2 %
41-2021	<a href="#">Counter and Rental Clerks</a>	120	\$7.25	\$7.48	\$15,570	3.2 %
41-2022	<a href="#">Parts Salespersons</a>	100	\$9.44	\$10.03	\$20,870	4.1 %
41-2031	<a href="#">Retail Salespersons</a>	1,750	\$7.85	\$9.13	\$19,000	1.8 %
41-3011	<a href="#">Advertising Sales Agents</a>	50	\$14.70	\$16.39	\$34,090	3.5 %
41-3021	<a href="#">Insurance Sales Agents</a>	40	\$11.07	\$13.09	\$27,220	1.7 %
41-3041	<a href="#">Travel Agents</a>	30	\$13.10	\$13.94	\$29,000	4.5 %
41-3099	<a href="#">Sales Representatives, Services, All</a>	60	\$10.36	\$10.85	\$22,560	4.8 %

	<a href="#">Other</a>					
41-4011	<a href="#">Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products</a>	40	\$12.33	\$15.59	\$32,420	6.7 %
41-4012	<a href="#">Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products</a>	190	\$11.89	\$12.59	\$26,190	2.1 %
41-9041	<a href="#">Telemarketers</a>	40	\$8.39	\$9.39	\$19,530	4.4 %

### Office and Administrative Support Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
43-0000	<a href="#">Office and Administrative Support Occupations</a>	10,870	\$11.23	\$12.63	\$26,260	1.0 %
43-1011	<a href="#">First-Line Supervisors/Managers of Office and Administrative Support Workers</a>	720	\$17.97	\$18.40	\$38,270	1.3 %
43-2011	<a href="#">Switchboard Operators, Including Answering Service</a>	80	\$9.11	\$10.26	\$21,340	1.6 %
43-3011	<a href="#">Bill and Account Collectors</a>	220	\$9.88	\$11.27	\$23,450	3.7 %
43-3021	<a href="#">Billing and Posting Clerks and Machine Operators</a>	140	\$10.43	\$11.23	\$23,360	1.5 %
43-3031	<a href="#">Bookkeeping, Accounting, and Auditing Clerks</a>	940	\$11.57	\$12.48	\$25,960	0.9 %
43-3051	<a href="#">Payroll and Timekeeping Clerks</a>	110	\$13.21	\$13.05	\$27,140	1.1 %
43-3061	<a href="#">Procurement Clerks</a>	60	\$15.98	\$14.79	\$30,760	2.6 %
43-3071	<a href="#">Tellers</a>	280	\$10.42	\$10.28	\$21,380	1.8 %
43-4051	<a href="#">Customer Service Representatives</a>	1,400	\$10.46	\$11.91	\$24,760	2.5 %
43-4071	<a href="#">File Clerks</a>	40	\$8.31	\$8.21	\$17,080	1.8 %

43-4081	<a href="#">Hotel, Motel, and Resort Desk Clerks</a>	300	\$7.57	\$8.17	\$17,000	1.5 %
43-4111	<a href="#">Interviewers, Except Eligibility and Loan</a>	60	\$13.32	\$12.49	\$25,980	3.1 %
43-4131	<a href="#">Loan Interviewers and Clerks</a>	50	\$11.94	\$12.04	\$25,050	1.8 %
43-4141	<a href="#">New Accounts Clerks</a>	50	\$12.23	\$12.60	\$26,220	2.1 %
43-4161	<a href="#">Human Resources Assistants, Except Payroll and Timekeeping</a>	120	\$13.94	\$14.95	\$31,100	1.3 %
43-4171	<a href="#">Receptionists and Information Clerks</a>	350	\$8.20	\$9.49	\$19,730	1.2 %
43-4181	<a href="#">Reservation and Transportation Ticket Agents and Travel Clerks</a>	270	\$10.07	\$11.55	\$24,020	1.4 %
43-4199	<a href="#">Information and Record Clerks, All Other</a>	140	\$18.11	\$17.49	\$36,380	2.3 %
43-5011	<a href="#">Cargo and Freight Agents</a>	150	(8)	(8)	(8)	(8)
43-5021	<a href="#">Couriers and Messengers</a>	180	\$8.57	\$9.65	\$20,070	4.1 %
43-5032	<a href="#">Dispatchers, Except Police, Fire, and Ambulance</a>	130	\$10.70	\$12.01	\$24,970	1.3 %
43-5051	<a href="#">Postal Service Clerks</a>	30	\$25.26	\$24.86	\$51,710	(8)
43-5052	<a href="#">Postal Service Mail Carriers</a>	30	\$25.80	\$25.10	\$52,210	(8)
43-5061	<a href="#">Production, Planning, and Expediting Clerks</a>	390	\$17.99	\$17.80	\$37,020	3.2 %
43-5071	<a href="#">Shipping, Receiving, and Traffic Clerks</a>	210	\$13.86	\$13.64	\$28,360	4.5 %
43-5081	<a href="#">Stock Clerks and Order Fillers</a>	1,000	\$8.91	\$9.94	\$20,680	1.6 %
43-6011	<a href="#">Executive Secretaries and Administrative Assistants</a>	1,130	\$13.33	\$13.97	\$29,050	1.2 %
43-6012	<a href="#">Legal Secretaries</a>	70	\$15.19	\$15.04	\$31,290	3.4 %
43-6014	<a href="#">Secretaries, Except Legal, Medical, and Executive</a>	300	\$13.43	\$13.98	\$29,080	1.1 %
43-9011	<a href="#">Computer Operators</a>	50	\$12.89	\$13.25	\$27,560	2.5 %
43-9021	<a href="#">Data Entry Keyers</a>	140	\$9.14	\$9.71	\$20,200	2.2 %

43-9022	<a href="#">Word Processors and Typists</a>	200	(8)	(8)	(8)	(8)
43-9041	<a href="#">Insurance Claims and Policy Processing Clerks</a>	90	\$11.53	\$12.40	\$25,790	1.4 %
43-9061	<a href="#">Office Clerks, General</a>	1,000	\$8.71	\$9.65	\$20,070	1.3 %
43-9199	<a href="#">Office and Administrative Support Workers, All Other</a>	60	\$16.57	\$15.57	\$32,390	2.3 %

### Construction and Extraction Occupations [top](#)

		Wage Estimates				
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
47-0000	<a href="#">Construction and Extraction Occupations</a>	5,610	\$11.98	\$12.44	\$25,870	0.8 %
47-1011	<a href="#">First-Line Supervisors/Managers of Construction Trades and Extraction Workers</a>	230	\$20.22	\$22.38	\$46,560	2.2 %
47-2021	<a href="#">Brickmasons and Blockmasons</a>	50	\$12.29	\$11.15	\$23,200	9.5 %
47-2031	<a href="#">Carpenters</a>	1,390	\$12.59	\$12.68	\$26,370	0.9 %
47-2051	<a href="#">Cement Masons and Concrete Finishers</a>	880	\$11.48	\$11.81	\$24,560	1.2 %
47-2061	<a href="#">Construction Laborers</a>	790	\$8.78	\$8.95	\$18,610	1.3 %
47-2073	<a href="#">Operating Engineers and Other Construction Equipment Operators</a>	160	\$13.36	\$13.68	\$28,450	1.5 %
47-2111	<a href="#">Electricians</a>	440	\$14.69	\$15.15	\$31,500	1.2 %
47-2141	<a href="#">Painters, Construction and Maintenance</a>	250	\$13.67	\$13.56	\$28,210	1.7 %
47-2152	<a href="#">Plumbers, Pipefitters, and Steamfitters</a>	220	\$14.42	\$14.50	\$30,160	1.4 %
47-2161	<a href="#">Plasterers and Stucco Masons</a>	110	\$10.55	\$10.50	\$21,850	2.0 %
47-2171	<a href="#">Reinforcing Iron and Rebar Workers</a>	190	\$11.54	\$11.76	\$24,470	1.5 %

47-2211	<a href="#">Sheet Metal Workers</a>	110	\$14.03	\$14.36	\$29,860	1.4 %
47-2221	<a href="#">Structural Iron and Steel Workers</a>	150	\$11.61	\$11.30	\$23,490	2.6 %
47-3012	<a href="#">Helpers--Carpenters</a>	100	\$8.86	\$8.97	\$18,650	1.8 %
47-3013	<a href="#">Helpers--Electricians</a>	70	\$10.69	\$10.87	\$22,610	3.1 %
47-3015	<a href="#">Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters</a>	50	\$9.14	\$10.00	\$20,810	4.2 %
47-3019	<a href="#">Helpers, Construction Trades, All Other</a>	120	\$7.63	\$8.04	\$16,710	3.9 %
47-4011	<a href="#">Construction and Building Inspectors</a>	50	\$17.68	\$18.73	\$38,960	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 <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
49-0000	<a href="#">Installation, Maintenance, and Repair Occupations</a>	3,460	\$12.57	\$13.64	\$28,360	1.2 %
49-1011	<a href="#">First-Line Supervisors/Managers of Mechanics, Installers, and Repairers</a>	270	\$19.28	\$20.80	\$43,260	2.1 %
49-2098	<a href="#">Security and Fire Alarm Systems Installers</a>	70	\$12.93	\$13.75	\$28,590	2.2 %
49-3011	<a href="#">Aircraft Mechanics and Service Technicians</a>	110	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>	<a href="#">(8)</a>
49-3021	<a href="#">Automotive Body and Related Repairers</a>	50	\$10.23	\$10.68	\$22,200	1.9 %
49-3023	<a href="#">Automotive Service Technicians and Mechanics</a>	260	\$10.90	\$12.02	\$24,990	2.6 %
49-3031	<a href="#">Bus and Truck Mechanics and Diesel Engine Specialists</a>	100	\$14.33	\$14.83	\$30,850	2.4 %
49-3042	<a href="#">Mobile Heavy Equipment Mechanics, Except Engines</a>	130	\$16.12	\$15.54	\$32,330	1.5 %

49-3093	<a href="#">Tire Repairers and Changers</a>	40	\$8.92	\$9.28	\$19,300	2.9 %
49-9021	<a href="#">Heating, Air Conditioning, and Refrigeration Mechanics and Installers</a>	160	\$14.20	\$14.79	\$30,760	1.8 %
49-9042	<a href="#">Maintenance and Repair Workers, General</a>	1,380	\$11.50	\$11.94	\$24,830	1.3 %
49-9051	<a href="#">Electrical Power-Line Installers and Repairers</a>	60	\$13.89	\$14.07	\$29,260	3.7 %
49-9052	<a href="#">Telecommunications Line Installers and Repairers</a>	80	\$15.65	\$15.47	\$32,180	2.3 %
49-9098	<a href="#">Helpers--Installation, Maintenance, and Repair Workers</a>	270	\$8.14	\$8.80	\$18,310	1.9 %
49-9099	<a href="#">Installation, Maintenance, and Repair Workers, All Other</a>	50	\$10.26	\$12.76	\$26,540	2.9 %

### Production Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
51-0000	<a href="#">Production Occupations</a>	1,540	\$9.87	\$12.15	\$25,270	2.3 %
51-1011	<a href="#">First-Line Supervisors/Managers of Production and Operating Workers</a>	130	\$21.11	\$21.53	\$44,780	1.8 %
51-2041	<a href="#">Structural Metal Fabricators and Fitters</a>	40	\$13.81	\$13.36	\$27,790	2.8 %
51-2092	<a href="#">Team Assemblers</a>	50	\$8.00	\$9.20	\$19,140	9.4 %
51-3011	<a href="#">Bakers</a>	130	\$7.81	\$8.60	\$17,890	2.5 %
51-3021	<a href="#">Butchers and Meat Cutters</a>	120	\$9.12	\$10.62	\$22,090	3.3 %
51-4121	<a href="#">Welders, Cutters, Solderers, and Brazers</a>	180	\$14.82	\$14.65	\$30,470	1.4 %
51-6011	<a href="#">Laundry and Dry-Cleaning Workers</a>	100	\$7.47	\$7.55	\$15,710	3.3 %



51-6021	<a href="#">Pressers, Textile, Garment, and Related Materials</a>	100	\$7.72	\$7.68	\$15,970	5.2 %
51-8013	<a href="#">Power Plant Operators</a>	60	\$19.74	\$19.69	\$40,960	2.7 %
51-8031	<a href="#">Water and Liquid Waste Treatment Plant and System Operators</a>	100	\$16.04	\$16.11	\$33,500	2.4 %
51-9061	<a href="#">Inspectors, Testers, Sorters, Samplers, and Weighers</a>	50	\$11.66	\$12.64	\$26,290	2.2 %
51-9198	<a href="#">Helpers--Production Workers</a>	180	\$7.80	\$7.92	\$16,460	3.8 %

### Transportation and Material Moving Occupations [top](#)

			Wage Estimates			
Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Median Hourly	Mean Hourly	Mean Annual <a href="#">(2)</a>	Mean RSE <a href="#">(3)</a>
53-0000	<a href="#">Transportation and Material Moving Occupations</a>	3,380	\$9.44	\$11.12	\$23,120	1.5 %
53-1021	<a href="#">First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand</a>	60	\$16.30	\$16.65	\$34,640	2.8 %
53-1031	<a href="#">First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators</a>	60	\$15.93	\$16.74	\$34,820	2.0 %
53-3021	<a href="#">Bus Drivers, Transit and Intercity</a>	260	\$7.73	\$9.07	\$18,860	3.7 %
53-3031	<a href="#">Driver/Sales Workers</a>	180	\$7.79	\$9.03	\$18,780	2.5 %
53-3032	<a href="#">Truck Drivers, Heavy and Tractor-Trailer</a>	470	\$12.37	\$12.57	\$26,140	1.6 %
53-3033	<a href="#">Truck Drivers, Light or Delivery Services</a>	480	\$8.43	\$8.78	\$18,270	1.3 %
53-3041	<a href="#">Taxi Drivers and Chauffeurs</a>	70	\$7.89	\$8.13	\$16,910	2.5 %
53-5021	<a href="#">Captains, Mates, and Pilots of Water Vessels</a>	50	\$16.97	\$18.24	\$37,940	4.5 %
53-6021	<a href="#">Parking Lot Attendants</a>	70	\$7.29	\$7.38	\$15,350	4.4 %

53-6031	<a href="#">Service Station Attendants</a>	130	\$7.23	\$7.32	\$15,220	5.0 %
53-7021	<a href="#">Crane and Tower Operators</a>	40	\$16.45	\$16.30	\$33,910	2.5 %
53-7032	<a href="#">Excavating and Loading Machine and Dragline Operators</a>	60	\$14.71	\$14.77	\$30,730	2.3 %
53-7051	<a href="#">Industrial Truck and Tractor Operators</a>	80	\$12.16	\$12.99	\$27,020	4.0 %
53-7061	<a href="#">Cleaners of Vehicles and Equipment</a>	100	\$7.52	\$7.87	\$16,380	3.6 %
53-7062	<a href="#">Laborers and Freight, Stock, and Material Movers, Hand</a>	530	\$9.25	\$10.82	\$22,500	2.7 %
53-7064	<a href="#">Packers and Packagers, Hand</a>	220	\$7.44	\$7.72	\$16,050	3.1 %
53-7081	<a href="#">Refuse and Recyclable Material Collectors</a>	120	\$9.88	\$10.22	\$21,270	2.6 %

[About May 2009 National, State, Metropolitan, and Nonmetropolitan Area Occupational Employment and Wage Estimates](#)

(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 \$80.00 per hour or \$166,400 per year.

(8) Estimates not released.

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[May 2009 National Industry-Specific Occupational Employment and Wage Estimates](#)

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[Technical notes](#)

**Last Modified Date:** May 14, 2010

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## Occupational Employment Statistics

# Technical Notes for May 2009 OES Estimates

### Scope of the Survey

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 about 1.2 million establishments. Each year forms are mailed to two semiannual panels of approximately 200,000 sampled establishments, one panel in May and the other in November. May 2009 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2009, November 2008, May 2008, November 2007, May 2007, and November 2006. The overall national response rate for the six panels is 78.2 percent based on establishments and 74.5 percent based on employment.

### The Occupational Coding System

The May 2009 OES estimates are based on the Office of Management and Budget's 2000 Standard Occupational Classification (SOC) system. The OES survey categorizes workers into 801 detailed occupations. Together, these detailed occupations make up 22 of the 23 major occupational groups. Military specific occupations are not included in the OES survey. The major groups are as follows:

- Management occupations
- Business and financial operations occupations
- Computer and mathematical science 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 [www.bls.gov/soc/](http://www.bls.gov/soc/).

## **The Industry Coding System**

The OES survey uses the North American Industry Classification System (NAICS). Since May 2008, OES estimates and survey data have been based on the 2007 NAICS. Earlier panel data and estimates were based on the 2002 NAICS. For more information about NAICS, see the BLS Web site at [www.bls.gov/bls/naics.htm](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 also are included. An establishment is defined as an economic unit that produces 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 statistical areas (MSAs), metropolitan divisions, 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; many 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. The 2000 Metropolitan Statistical Area standards were used to define the metropolitan areas.

An annual census is taken of the executive branch of the federal government, the U.S. Postal Service, state government, and Hawaii's local government. 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 across all six semiannual panels represents approximately 60.5 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 forms sent to larger establishments, generally those with 20 or more workers, contain 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. Smaller establishments, generally those with fewer than 20 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, nonproduction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

OES receives an annual census of Federal Government and U.S. Postal Service data including wage rates. For non-federal establishments, the OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation for each wage range. The wage intervals used for the May 2009 survey are as follows:

May 2009 wage intervals

Interval	Hourly Wages	Annual Wages
Range A	Under \$9.25	Under \$19,240
Range B	\$9.25 to \$11.49	\$19,240 to \$23,919
Range C	\$11.50 to \$14.49	\$23,920 to \$30,159

Range D	\$14.50 to \$18.24	\$30,160 to \$37,959
Range E	\$18.25 to \$22.74	\$37,960 to \$47,319
Range F	\$22.75 to \$28.74	\$47,320 to \$59,799
Range G	\$28.75 to \$35.99	\$59,800 to \$74,879
Range H	\$36.00 to \$45.24	\$74,880 to \$94,119
Range I	\$45.25 to \$56.99	\$94,120 to \$118,559
Range J	\$57.00 to \$71.49	\$118,560 to \$148,719
Range K	\$71.50 to \$89.99	\$148,720 to \$187,199
Range L	\$90.00 and over	\$187,200 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.

For data from non-federal establishments: Total weighted non-federal hourly wages are summed across all intervals. The occupation's weighted survey non-federal employment is also summed. 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). With the exception of the highest wage interval, mean wage rates for each panel are calculated using NCS data for the panel's reference year. The lower boundary of the highest wage interval in May 2009 was \$90.00. The mean hourly wage for this interval was calculated using the average of the 2006, 2007, and 2008 NCS data.

For federal workers: The hourly wages for an occupation within an establishment are summed to get total federal wages. Federal employment for that occupation within that establishment is also summed to get total federal employment. The total wages and total employment across all establishments in the occupation for the estimation level of interest are summed.

Mean Wage = (Total Non-Federal Wages + Total Federal Wages) / (Total Non-Federal Employment + Total Federal Employment)

*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 first distributing federal and non-federal workers inside each wage interval: Federal workers are distributed throughout the wage intervals according to their wage rates, while non-federal workers are distributed uniformly within each wage interval. Next, workers are ranked from lowest paid to highest paid. Finally, the product of the total employment



for the occupation and the desired percentile is calculated 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 40 hours per week, 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 40 hours per week, 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**

With the exception of the May 2008 panel, each OES panel includes approximately 200,000 establishments. Due to budget constraints, the May 2008 sample was reduced to approximately 174,000 establishments. The OES survey is designed to produce estimates using six panels (3 years) of data. The full six-panel sample of nearly 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 are not updated.

*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 sampled 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 average of November 2008 and May 2009 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

*May 2009 OES survey estimates.* The May 2009 OES survey estimates are based on all data collected from establishments in the May 2009, November 2008, May 2008, November 2007, May 2007, and November 2006 semiannual sample panels.

*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 (that is, a 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, errors in the administrative data used to create the sampling frame, mistakes made in entering collected data into the database, and mistakes made in editing and processing the collected data. Every attempt is made to minimize nonsampling error through survey methods such as data editing, imputation methods, and benchmarking of data to current employment totals.

[May 2009 National Occupational Employment and Wage Estimates](#)

[May 2009 State Occupational Employment and Wage Estimates](#)

[May 2009 Metropolitan and Nonmetropolitan Area Occupational Employment and Wage Estimates](#)

[May 2009 National Industry-Specific Occupational Employment and Wage Estimates](#)

[List of Occupations in SOC Code Number Order](#)

[List of Occupations in Alphabetical Order](#)

[Download May 2009 Occupational Employment and Wage Estimates in Zipped Excel files](#)

[Technical notes](#)

**Last Modified Date:** May 14, 2010

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[www.bls.gov/OES](http://www.bls.gov/OES) | Telephone: 1-202-691-6569 | [Contact OES](#)

# May 2009 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 files)
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 <sup>1</sup>	The percent relative standard error for the employment
pct_total <sup>2</sup>	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)
jobs_1000	The number of jobs (employment) in the given occupation per 1,000 jobs in the given area (only on the statewide, metropolitan, and nonmetropolitan statistical area files)
h_mean	The mean hourly wage
a_mean	The mean annual wage
mean_prse <sup>1</sup>	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:

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

<sup>2</sup> 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 \$80.00 per hour or \$166,400 per year

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

GROUP	TOT_EMP	MP_PRSE	OBS_1000	H_MEAN	A_MEAN	AN_PRSE	H_PCT10	H_PCT25	L_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90	ANNUAL	
00-0000	total	60910	0.7	1000.000	14.33	29810	1.1	7.09	7.89	11.18	17.10	25.49	14740	23250	35570	53020		
11-0000	major	4920	1.5	80738	26.19	54900	3.2	11.25	15.49	22.30	31.96	44.62	23410	46390	66480	92820		
11-1011		770	2.8	12640	41.19	85670	3.2	13.17	19.85	32.23	54.50	73.80	27380	41280	67030	113370	#	
11-2021		1660	2.9	27237	24.91	51810	1.2	10.77	15.21	22.03	31.13	41.16	22410	31650	45830	64740	85620	
11-3011		60	5.9	0.960	19.61	40780	2.0	11.21	14.11	18.65	23.24	28.03	23310	38890	48330	58300		
11-3021		120	5.1	1.982	23.19	48230	1.9	12.20	15.57	22.52	28.19	36.92	25370	32380	46840	56630	76800	
11-3031		370	4.3	5.999	20.96	43600	1.5	11.05	14.65	18.78	24.86	32.23	22980	30470	39070	51710	67050	
11-3041		330	2.4	5.452	20.27	42170	1.4	10.86	14.90	19.60	24.54	29.33	22590	30990	40780	51040	61010	
11-3051		80	5.3	1.318	25.68	53410	2.2	14.24	18.32	23.83	31.88	42.12	29630	38100	49560	66300	87610	
11-3061		290	4.8	4.764	26.04	54160	1.5	13.72	17.95	23.80	31.65	42.89	28540	37330	49510	65830	89200	
11-3071		60	2.4	1.062	18.11	37670	1.6	9.64	12.49	17.45	22.15	28.83	20060	25990	36290	46060	59960	
11-3081		80	5.2	1.267	26.30	54710	1.8	14.17	17.95	23.66	33.07	45.62	29480	37340	48210	68790	94880	
11-3091		190	6.6	3.098	23.43	48730	2.3	13.10	15.67	19.53	31.69	40.24	27240	32600	40630	53920	83890	
11-3101		80	0.9	1.327		63520	2.4						32670	46350	66920	79770	77980	TRUE
11-3111		210	0.0	3.410	31.23	64950	2.5	24.98	26.86	30.43	35.01	37.49	51960	56870	63290	72830	87930	
11-3121		70	6.1	1.169	24.36	50670	2.1	14.47	17.69	22.80	28.70	37.95	30100	36800	47530	59690	78930	
11-3131		240	1.6	3.888	14.19	29500	1.9	9.43	10.70	12.60	17.12	21.61	19100	22250	26200	35610	44960	
11-3141		60	11.6	0.936	14.39	29920	4.0	7.65	11.44	13.68	16.24	21.41	15900	23800	28480	33790	44530	
13-0000		2090	1.1	34.284	20.12	44980	1.1	11.42	14.46	19.44	27.45	35.62	23740	30080	40440	57090	74290	
13-1023		180	0.8	2.921	20.15	41910	1.5	9.65	13.03	16.92	26.15	35.69	20070	27100	35200	54390	74240	
13-1031		90	6.8	1.410	18.95	39410	2.4	9.26	11.23	15.98	22.26	38.71	19260	23350	33240	46290	80510	
13-1041		260	0.4	4.267	22.71	47240	1.8	13.88	14.43	20.02	32.62	33.75	28870	30020	41630	67850	70200	
13-1051		50	2.2	0.800	21.50	44730	1.5	12.91	16.02	20.14	26.47	32.16	26860	33330	41890	55060	66890	
13-1071		70	1.1	1.167	20.03	41660	1.6	12.61	14.97	19.11	24.00	28.64	26220	31140	39750	49920	59580	
13-1072		30	0.5	0.512	15.63	32520	1.9	9.22	12.42	15.55	18.11	21.09	19180	25840	32350	37660	43870	
13-1073		40	0.0	0.642	18.97	39450	1.6	12.33	14.67	17.91	21.95	28.56	25640	30510	37260	45660	59400	
13-1079		30	0.0	0.563	24.04	50000	1.7	14.88	17.32	23.39	30.11	34.38	30960	36020	48640	62630	71510	
13-1111		140	0.0	2.310	25.32	52670	1.3	16.03	19.63	23.81	29.78	37.50	33340	40830	49530	61930	78010	
13-2011		560	3.5	9.118	18.87	39260	1.0	10.63	13.81	17.53	22.12	28.61	22120	28720	36460	46000	59500	
13-2031		50	0.0	0.747	23.29	48440	1.8	13.27	18.70	23.39	27.88	33.75	27600	38900	48640	57890	70190	
13-2053		70	4.6	1.162	13.55	28180	3.3	8.00	9.16	12.92	16.28	20.92	16640	19060	28770	33820	43510	
13-2072		60	1.5	0.918	21.70	45140	1.9	12.55	14.41	18.14	26.73	39.26	26100	29980	37730	55600	81650	
13-2082		40	1.8	0.616	13.82	28750	2.6	9.11	11.64	13.93	16.10	18.940	24210	28980	34530	37650	47510	
15-0000		480	1.5	7.959	20.69	43040	1.4	9.94	13.36	18.62	26.59	33.16	20670	27790	38730	55300	68980	
15-1041		230	2.9	3.719	17.10	35660	3.9	8.55	11.18	15.62	23.00	28.68	17790	23260	32480	47830	59650	
15-1051		60	2.4	0.667	21.69	45120	1.8	15.94	18.43	21.12	24.96	28.33	33160	38320	43930	51910	58920	
15-1071		60	2.0	0.970	19.61	40790	1.7	11.20	13.61	17.80	23.28	29.64	23290	28310	37030	48430	61650	
17-0000		870	15.5	14.293	24.25	50440	2.5	10.72	16.48	22.23	30.77	40.46	22300	34270	46250	64000	84150	
17-1011		50	12.0	0.781	25.95	53980	2.8	13.67	16.22	24.31	35.23	45.71	28420	33730	50570	73280	95070	
17-2051		200	2.9	3.275	27.91	58040	2.2	16.75	19.65	24.96	32.44	44.96	34840	40860	51920	67470	93520	
17-2071		60	7.0	1.059	26.64	55410	3.0	18.31	20.89	25.32	29.10	40.73	38080	43450	52670	60520	84720	
17-2081		40	0.4	0.634			*										*	
17-3011		50	5.4	0.755	17.26	35890	2.8	9.04	12.80	17.01	21.11	25.75	18790	26620	35380	43900	53570	
17-3023			**	**	21.25	44190	3.4	8.83	10.62	18.35	30.42	38.34	18360	22100	38180	63260	79750	
17-3029		40	0.0	0.663	29.06	60450	2.8	17.12	23.03	31.45	34.74	35.71	35610	47900	72250	74520	80510	
19-0000		360	1.1	5.933	22.33	46440	1.6	12.05	14.64	18.93	28.50	38.73	25060	30450	39380	59290	80150	
19-2041		80	1.5	1.241	22.84	47500	4.4	13.51	15.11	19.59	29.46	39.25	28090	31420	40750	61270	81650	
21-0000		690	3.3	11.327	16.22	33740	1.4	8.20	10.90	14.72	20.45	26.26	17060	22680	30610	42540	54610	
21-1012		70	6.0	1.153	19.58	40720	2.3	9.49	12.66	20.07	25.19	30.40	19730	26340	41740	52390	63230	
21-1022		40	0.0	0.680	18.21	37860	2.1	12.13	13.70	18.14	21.97	25.79	25230	28490	37730	46990	53640	
21-1093		100	6.9	1.574	12.56	28120	2.1	8.07	10.07	12.69	14.46	16.27	16790	20940	26400	30070	33830	
21-2011		90	28.5	1.456	14.64	30450	7.7	7.06	7.90	11.40	19.70	26.99	14680	16440	23710	40970	56140	
23-0000		250	5.2	4.100	33.19	69030	5.1	12.18	18.40	27.48	43.21	57.57	25340	57160	89870	119750	140650	
23-1011		130	5.9	2.182	43.90	91320	6.6	21.67	30.12	40.39	47.73	67.62	45070	62650	84010	99290	140650	
23-2011		40	15.1	0.652	16.98	35320	5.0	7.21	9.13	17.47	21.66	27.92	15000	18990	26340	45050	58070	
25-0000		4080	0.6	66.995			*										*	
25-1000		80	3.149	9.92	20620	2.7	6.89	7.32	8.58	11.18	16.69	14.320	15230	17850	23260	34710	43720	
25-2031		190	1.4	11.361	13.94	28990	3.4	7.16	10.39	13.39	16.76	20.95	14890	21610	27850	34850	43580	TRUE
25-3021		30	5.1	0.532	22.06	60450	2.8	17.12	23.03	31.45	34.74	35.71	35610	47900	72250	74520	80510	TRUE
25-3099		130	0.2	2.139		36970	1.7						20050	28300	41670	56800	64480	TRUE
25-4021		30	1.7	0.570	20.30	42230	2.0	9.64	13.61	20.04	27.31	31.00	14630	19800	28060	34040	44950	TRUE
25-9041		230	1.8	3.701		18110	3.1						15810	19980	25210	34980	44950	TRUE
27-0000		580	6.1	9.450	13.95	29020	2.3	7.60	9.58</									

GROUP	TOT_EMP	IMP_PRSE	OBS_1000	H_MEAN	A_MEAN	AN_PRSE	H_PCT10	H_PCT25	L_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90	ANNUAL
29-2012	60	9.1	1.041	14.36	29870	3.1	9.45	11.19	14.60	17.53	19.63	19660	23280	30370	36470	40830	
29-2021	50	6.8	0.803	16.88	35120	3.2	10.21	12.97	16.72	20.32	24.20	21230	26980	34770	42270	50530	
29-2034	70	2.8	1.092	16.10	33490	1.4	10.02	12.62	14.97	18.29	24.30	20850	26260	31150	38040	50550	
29-2052	80	12.6	1.382	11.88	24710	4.3	7.65	9.66	11.77	14.03	16.51	15900	20100	24480	29180	34340	
29-2061	80	2.5	1.497	16.59	34510	1.5	10.98	12.69	16.90	19.27	20.54	22840	26390	35160	40170	42720	
29-2071	80	6.6	1.389	12.23	25440	2.2	7.25	8.41	11.23	14.53	20.02	17500	23350	30220	36300	41630	
29-9011	50	1.9	0.798	10.94	22750	1.5	7.22	8.15	10.03	13.11	15.93	15020	16950	20660	27260	33120	
31-0000	680	2.8	11.208	8.29	17240	5.0	6.85	7.20	7.78	8.68	9.64	14240	14970	16180	18050	20060	
31-1012	150	1.8	2.514	8.29	17240	5.0	6.85	7.20	7.78	8.68	9.64	14240	14970	16180	18050	20060	
31-9011	140	10.0	2.236	12.44	25870	4.7	8.09	9.25	11.48	15.40	18.94	16820	19250	23890	32030	39400	
31-9091	140	6.7	2.220	11.35	23600	1.7	8.03	9.11	10.82	13.17	15.17	16700	18940	22510	27390	31560	
31-9092	120	6.6	1.932	13.87	28840	5.1	6.99	7.56	12.10	19.09	23.47	14540	15720	25160	39720	48820	
33-0000	2540	1.4	41.767	13.87	28840	5.1	6.99	7.56	12.10	19.09	23.47	14540	15720	25160	39720	48820	
33-1099	30	7.3	0.529	7.86	16350	4.7	6.79	7.05	7.48	7.94	9.06	14120	14660	15560	16510	18840	
33-9032	1090	3.0	17.938	8.93	18570	2.1	6.95	7.48	8.38	9.55	12.48	14460	15550	17430	19850	25960	
33-9092	110	0.0	1.730	8.93	18570	2.1	6.95	7.48	8.38	9.55	12.48	14460	15550	17430	19850	25960	
35-0000	6440	1.3	105.677	8.33	17330	1.0	6.82	7.13	7.64	8.73	10.49	14180	14830	15900	18160	21830	
35-1011	190	5.0	3.062	15.92	33110	2.3	8.61	10.67	14.20	20.34	26.29	17910	22190	29530	42300	54690	
35-1012	360	10.0	5.861	10.59	22040	2.0	7.19	8.14	9.58	12.23	15.74	14960	16930	19930	25440	32740	
35-2011	7.8	3.415	7.90	16440	4.8	6.86	7.22	7.83	8.64	9.25	10.42	14270	15030	16280	17970	19250	
35-2012	210	0.8	3.451	9.53	19820	3.1	8.16	8.60	9.32	10.05	11.72	16970	17880	19390	20910	24370	
35-2014	710	3.8	11.665	8.58	17860	1.2	6.90	7.33	8.16	9.51	11.06	14350	15240	16970	19780	22990	
35-2015	60	29.6	1.001	8.38	17430	4.9	6.88	7.27	7.89	8.99	10.53	14310	15120	16420	18700	21890	
35-2021	880	3.6	14.469	8.13	16910	1.6	6.81	7.12	7.63	8.62	10.34	14170	14800	15860	17940	21590	
35-3011	220	10.3	3.683	7.79	16190	2.2	6.79	7.04	7.45	8.02	9.31	14110	14630	15500	16680	19360	
35-3021	920	11.6	15.086	7.62	15830	2.9	6.79	7.08	7.54	8.18	8.91	14130	14720	15690	17010	18530	
35-3022	50	11.3	0.850	7.42	15430	3.6	6.77	7.01	7.39	7.79	8.42	14090	14570	15380	16200	17510	
35-3031	1770	3.7	29.079	7.78	16190	1.5	6.78	7.02	7.43	7.92	9.04	14100	14610	15450	16470	18810	
35-3041	80	3.8	1.346	7.85	16340	5.5	6.86	7.22	7.81	8.63	9.18	14270	15010	16250	17960	19090	
35-9011	120	6.0	0.973	7.51	15610	2.9	6.78	7.04	7.45	7.89	8.65	14110	14630	15500	16420	17980	
35-9021	470	4.0	7.785	7.54	15660	1.8	6.78	7.02	7.42	7.88	8.68	14080	14570	15380	16310	18050	
35-9031	180	5.3	2.890	7.81	16250	2.8	6.80	7.06	7.51	8.35	9.25	14130	14690	15620	16370	18200	
37-0000	3290	1.1	54.094	8.71	18120	1.3	6.82	7.14	7.66	8.89	11.79	14190	14840	15930	18480	24520	
37-1011	240	1.1	3.866	14.49	30150	1.1	6.86	9.02	12.74	18.13	24.61	16360	18760	26490	37710	51180	
37-1012	60	3.7	0.905	14.78	30750	2.5	7.43	9.20	12.67	19.58	24.56	15450	19130	26350	40720	51090	
37-2011	1200	1.2	19.767	8.45	17580	2.1	6.82	7.14	7.66	8.84	11.42	14190	14850	15940	18400	23750	
37-2012	1170	0.9	19.230	7.53	15670	2.2	6.77	7.01	7.40	7.84	8.68	14080	14570	15380	16310	18050	
37-3011	40	0.0	0.711	9.76	20310	2.5	7.23	7.95	9.28	11.04	12.22	15030	16540	19310	22960	25420	
39-0000	570	3.7	9.389	8.71	17490	1.8	6.87	7.26	7.98	9.19	10.62	14290	15090	16590	19110	22090	
39-1021	2180	4.7	35.752	14.99	31180	2.9	7.03	7.66	10.21	16.03	20.39	14630	15930	21240	29280	90880	
39-3031	100	0.0	1.680	7.28	15140	6.1	6.76	6.96	7.30	7.64	7.84	14050	14470	15180	15880	16300	
39-3091	140	7.7	2.267	7.93	16500	2.8	6.81	7.09	7.57	8.35	9.84	14160	14760	15750	17380	20470	
39-5012	100	10.4	1.648	9.81	20410	8.1	6.96	7.48	8.53	10.37	14.14	14490	15570	17750	21560	29410	
39-6011	100	0.0	1.645	7.53	15660	3.5	6.79	7.05	7.50	8.01	8.76	14120	14670	15500	16670	18230	
39-6012	50	0.0	0.873	9.88	20550	1.9	7.10	7.83	9.54	11.51	13.73	14770	16280	19850	23940	28560	
39-6021	160	2.9	2.706	10.12	21060	3.2	6.95	7.45	8.67	12.41	15.60	14450	15490	18040	23440	28560	
39-6032	30	7.7	0.520	9.47	19700	3.5	7.09	7.84	8.94	10.80	13.46	14750	16310	18600	22470	28000	
39-9032	190	9.1	3.100	8.58	17850	3.4	6.80	7.07	7.51	8.46	11.43	14140	14700	15630	17600	23770	
41-0000	5040	2.6	82.787	9.59	19940	1.1	6.77	7.10	7.86	10.44	14.65	14080	14770	15680	17120	20480	
41-1011	490	3.8	7.989	13.60	28300	1.4	7.93	9.91	12.73	16.34	19.68	16500	20610	26470	33990	40940	
41-1012	90	19.2	1.469	17.99	37420	2.4	9.73	11.39	17.36	22.58	29.65	20230	23680	36110	46960	61670	
41-2011	1900	3.3	31.228	7.74	16110	1.2	6.70	6.93	7.32	8.20	9.25	13940	14420	15220	17050	19240	
41-2021	120	25.2	1.903	7.48	15570	3.2	6.69	6.90	7.25	7.94	8.89	13910	14350	15080	16510	18490	
41-2022	100	13.0	1.704	10.03	20870	4.1	7.00	7.69	9.44	11.16	14.41	14550	15980	19640	23200	29970	
41-2031	1750	4.8	28.685	9.13	19000	1.8	6.77	7.11	7.85	9.96	13.22	14090	14780	16340	20720	27490	
41-3011	50	8.4	0.755	16.39	34990	3.5	7.81	11.06	14.70	21.09	28.33	16250	23000	30580	43870	58930	
41-3021	40	0.0	0.670	13.09	27220	1.7	8.00	8.84	11.07	17.08	21.75	16640	18390	23030	35520	45240	
41-3041	30	13.4	0.568	13.94	29000	4.5	9.52	11.07	13.10	14.89	17.90	14740	17160	21540	25300	30110	
41-3099	60	19.3	1.010	10.85	22560	4.8	7.09	8.25	10.36	12.08	14.47	14740	17160	21540	25300	30110	
41-4011	40	11.7	0.670	15.59	32420	6.7	9.17	10.50	12.33	17.80	23.86	19060	21830	26650	37030	62100	
41-4012	190	14.7	3.128	12.59	26190	2.1	7.22	8.77	11.89	14.76	19.19	15010	18240	24730	30700	39910	
41-9041	40	1.5	0.635	9.39	19530	4.4	6.96	7.44	8.39	9.54	11.98	14360	15470	17440	19840	33240	
43-0000	10870	1.2	178.475	12.63	28260	1.0	7.26	8.40	11.23	15.73	20.41	15100	17480	23350	32720	42450	
43-1011	720	2.3	11.862	18.40	38270	1.3	9.94	13.									

GROUP	TOT_EMP	MP_PRSE	OBS_1000	H_MEAN	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25A	MEDIAN	A_PCT75	A_PCT90	ANNUAL
43-4141	50	0.0	0.747	12.60	9.90	10.79	12.23	13.77	15.75	20.600	22.440	25.430	28.640	32.770	37770
43-4141	120	2.5	2.018	14.95	31.100	13.24	13.94	19.12	23.23	17.170	17.170	21.460	28.990	48.310	21460
43-4171	350	5.3	5.786	9.49	19.730	12.22	10.84	13.33	16.63	14.330	15.170	17.050	23.540	28.340	28340
43-4181	270	1.5	4.428	11.55	24.020	14.78	10.07	14.89	18.33	14.730	16.190	20.950	30.980	381.20	30980
43-4199	140	0.0	2.277	17.49	10.54	11.85	18.11	21.42	24.14	21.930	24.680	37.660	44.560	50.220	44560
43-5011	150	3.8	2.443	9.65	20.070	7.48	8.57	10.71	14.86	14.490	15.560	17.820	22.280	30.910	30910
43-5021	180	16.6	2.922	12.60	6.97	7.48	8.57	10.71	14.86	14.490	15.560	17.820	22.280	30.910	30910
43-5032	130	1.4	2.064	12.01	7.71	8.85	10.70	14.39	19.66	16.050	18.410	22.260	29.930	40.990	40990
43-5051	30	0.0	0.525	24.86	21.84	25.25	25.26	25.26	25.81	45.430	52.520	52.540	53.680	53.680	53680
43-5052	30	0.0	0.525	25.10	22.51	25.31	25.80	25.81	25.81	46.910	52.650	53.670	53.680	53.680	53680
43-5061	390	3.0	6.383	17.80	37.020	3.2	9.71	13.23	17.99	20.200	27.520	37.410	45.990	54.470	45990
43-5071	210	3.9	3.433	13.64	28.360	4.5	7.52	13.86	17.72	15.640	19.990	28.820	36.850	40.080	40080
43-5081	1000	5.7	16.470	9.94	20.680	1.6	6.97	7.48	8.57	10.71	11.40	15.570	23.720	31.810	31810
43-6011	1130	3.4	18.552	13.97	29.050	1.2	8.53	10.37	13.33	17.01	21.560	27.720	35.380	42.240	42240
43-6012	70	6.9	1.107	15.04	3.4	9.38	11.67	15.13	17.30	19.730	21.600	27.720	37.170	44.700	44700
43-6014	300	1.9	4.901	13.98	29.080	1.1	8.15	10.23	13.43	16.950	20.870	27.930	35.990	43.920	43920
43-9011	50	6.3	0.760	13.25	27.560	2.5	8.74	10.22	12.89	18.170	21.250	26.800	32.270	40.120	40120
43-9021	140	4.7	2.274	9.71	20.200	2.2	7.20	8.01	9.14	11.25	13.22	14.980	19.000	23.400	27.490
43-9022	200	0.9	3.257	12.40	8.45	9.48	11.53	14.73	17.83	17.560	19.710	23.980	30.640	37.090	37090
43-9041	90	7.1	1.551	12.40	8.45	9.48	11.53	14.73	17.83	17.560	19.710	23.980	30.640	37.090	37090
43-9042	1000	1.9	16.413	9.65	20.070	1.3	6.96	7.47	8.71	11.28	14.480	15.550	18.120	23.450	30.090
43-9199	60	22.6	0.952	15.57	32.390	2.3	8.69	10.42	12.34	18.070	21.660	34.470	41.680	46.040	46040
47-0000	5610	1.8	92.111	12.44	25.870	0.8	8.31	10.03	11.98	14.18	16.23	17.280	24.920	29.500	33.760
47-1011	230	3.2	3.824	22.38	48.560	2.2	13.63	16.38	20.22	26.09	33.90	38.500	42.050	54.270	70.500
47-2011	50	40.0	0.808	11.15	23.200	9.5	7.17	8.08	12.29	14.16	15.28	16.810	25.580	29.440	31.780
47-2031	1390	2.7	22.898	12.68	26.370	0.9	10.33	11.30	12.59	14.01	15.26	16.810	25.580	29.440	31.780
47-2051	880	5.9	14.454	11.81	24.560	1.2	9.90	10.52	11.48	13.19	14.57	20.600	23.870	27.430	30.300
47-2061	790	5.6	13.047	8.95	18.610	1.3	7.06	8.78	9.89	11.46	14.680	16.220	18.270	20.570	23.830
47-2073	160	5.6	2.697	13.68	28.450	1.5	10.38	11.45	13.36	15.15	17.38	21.580	23.820	27.790	31.510
47-2111	440	4.3	7.148	15.15	31.500	1.2	11.57	13.07	14.69	16.92	20.42	24.070	27.190	30.560	35.200
47-2141	250	5.2	4.040	13.56	28.210	1.7	10.07	12.32	13.67	14.96	16.20	20.940	28.440	31.220	33.690
47-2152	220	3.7	3.548	14.50	30.160	1.4	11.21	12.97	14.42	15.97	17.84	23.310	26.990	33.220	37.110
47-2161	110	3.2	1.798	10.50	21.850	2.0	8.88	9.77	11.54	13.33	14.25	18.480	20.330	21.940	23.580
47-2171	190	6.6	3.200	11.76	24.470	1.5	9.97	10.61	11.54	12.83	14.22	20.730	24.010	26.680	29.570
47-2211	110	2.8	1.872	14.36	29.860	1.4	10.60	12.12	14.03	16.09	18.09	22.040	25.200	29.170	33.460
47-2221	150	11.6	2.446	11.30	23.490	2.6	8.21	9.10	11.61	13.32	14.40	17.090	18.920	21.440	27.710
47-3012	100	9.2	1.570	8.97	18.650	1.8	7.08	7.83	8.86	9.83	11.37	14.730	16.990	20.440	23.650
47-3013	70	10.7	1.220	10.87	22.610	3.1	7.95	8.91	10.69	13.01	14.58	16.540	18.520	22.230	27.050
47-3015	50	23.7	0.747	10.00	20.810	4.2	7.22	8.08	9.14	11.29	13.93	15.010	16.810	19.010	23.480
47-3019	120	21.3	2.008	8.04	16.710	3.9	6.78	7.10	7.63	10.13	14.090	14.760	15.880	18.150	21.060
47-4011	50	0.9	0.852	18.73	39.960	2.0	13.79	15.45	17.68	21.56	24.61	28.690	32.140	36.780	44.850
49-0000	3460	4.2	56.875	13.64	28.360	1.2	7.46	9.19	12.57	16.48	21.42	25.520	26.140	34.280	44.560
49-1011	270	4.7	4.402	20.80	43.260	2.1	12.09	15.11	19.28	23.95	32.57	35.100	40.110	49.810	67.740
49-2098	70	9.8	1.131	13.75	28.950	2.2	8.03	10.31	12.93	15.66	22.22	26.690	32.570	46.230	62.300
49-3011	110	0.0	1.742	10.68	22.200	1.9	7.18	8.07	9.07	10.23	12.46	14.930	16.790	21.290	25.910
49-3021	50	6.3	0.888	12.60	6.97	7.48	8.57	10.71	14.86	14.490	15.560	17.820	22.280	30.910	30910
49-3031	260	26.8	4.193	12.02	24.990	2.6	7.32	8.50	10.90	15.34	18.28	22.620	26.660	31.910	38.020
49-3033	100	9.2	1.622	14.83	30.850	2.4	10.90	12.36	14.33	17.53	19.72	22.670	25.720	29.810	36.460
49-3042	130	8.6	2.060	15.54	32.330	1.5	10.02	12.88	16.12	18.34	20.13	20.830	26.790	33.540	41.860
49-3093	160	10.0	0.598	9.28	19.900	2.9	7.17	7.97	8.92	10.13	12.25	14.820	16.580	18.940	21.080
49-9021	40	4.4	2.563	14.79	30.760	1.8	7.87	11.25	14.20	17.31	25.76	16.370	23.990	36.000	53.580
49-9042	1380	3.6	22.635	11.94	24.830	1.3	7.33	8.75	11.50	14.39	15.520	18.190	23.920	29.930	36.460
49-9051	60	10.8	0.998	14.07	29.260	3.7	11.21	12.78	13.89	14.99	15.66	23.310	26.590	31.180	32.580
49-9052	80	6.2	1.246	15.47	32.180	2.3	10.26	12.11	15.65	17.55	20.25	21.330	25.180	32.560	42.130
49-9098	270	14.2	4.397	8.80	18.310	1.9	6.87	7.29	8.14	9.51	12.36	14.290	16.930	19.780	25.170
49-9099	50	25.8	0.832	12.76	26.540	2.9	7.01	7.63	8.63	10.26	13.94	14.580	15.680	18.990	23.590
51-0000	1540	2.8	25.290	12.15	25.270	2.3	7.06	7.76	8.71	9.67	10.66	11.400	12.500	14.180	16.570
51-1011	130	1.4	2.085	21.53	44.780	1.8	10.72	17.41	21.11	26.88	30.72	22.290	26.920	35.920	45.780
51-2041	40	1.8	0.704	13.36	27.790	2.8	8.75	10.91	13.81	16.34	17.60	18.190	22.690	28.880	33.980
51-3011	50	32.4	0.785	9.20	19.140	9.4	6.86	7.28	8.00	8.98	10.98	16.96	14.280	15.150	16.630
51-3011	130	3.8	2.172	8.60	17.890	2.5	6.84	7.18	7.81	9.23	12.41	14.230	14.940	16.250	19.190
51-3021	120	3.6	2.026	10.62	22.090	3.3	7.13	7.92	9.12	12.02	17.20	14.830	16.470	18.980	24.990
51-4121	180	4.7	2.911	14.65	30.470	1.4	10.08	12.58	14.82	16.96	18.95	20.670	26.170	30.810	35.280
51-6011	100	7.7	1.658	7.55	15.710	3.3	6.78	7.04	7.47	8.06	8.88	14.110	14.640	15.540	16.840
51-6021	100	18.6	1.565	7.68	15.970	5.2	6.72	7.16	7.72	8.47	8.96	14.180	14.890	16.060	17.620
51-8013	60	0.0	0.916	19.69	40.960	2.7	13.31	19.74	23.46	26.79	27.680	33.550	41.060	47.900	55.710
51-9031	100	0.0	1.701	16.11	33.500	2.4	9.18	13.43	16.0						

OCC_COD_OCC_TITLE	GROUP	TOT_EMP	MP_PRSE	OBS_1000	H_MEAN	A_MEAN	AN_PRSE	H_PCT10	H_PCT25	L_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90	ANNUAL
53-5021 Captains, mates, and pilots of water vessels		50	9.6	0.793	18.24	37940	4.5	8.38	10.95	16.97	25.31	30.47	17.430	22780	35290	52640	63370	
53-6021 Parking lot attendants		70	20.5	1.185	7.38	15350	4.4	6.74	6.94	7.29	7.63	7.89	14010	14440	15160	15870	16420	
53-6031 Service station attendants		130	4.0	2.097	7.32	15220	5.0	6.73	6.92	7.23	7.55	7.87	13990	14380	15040	15700	16360	
53-7021 Crane and tower operators		40	1.3	0.693	16.30	33910	2.5	12.15	14.24	16.45	19.18	21.18	25270	28630	34210	39890	44060	
53-7032 Excavating and loading machine and dragline operators		60	3.6	0.964	14.77	30730	2.3	11.84	13.13	14.71	16.20	18.22	24620	27300	30590	33700	37910	
53-7051 Industrial truck and tractor operators		80	4.0	1.299	12.99	27020	4.0	7.34	9.63	12.16	15.57	20.63	15260	20020	25300	32390	42820	
53-7061 Cleaners of vehicles and equipment		100	18.3	1.701	7.87	16380	3.6	6.77	7.05	7.52	8.87	9.83	14090	14670	15640	18030	20450	
53-7062 Laborers and freight, stock, and material movers, hand		530	4.6	8.729	10.82	22500	2.7	7.01	7.64	9.25	12.22	17.86	14590	15890	19230	25410	37140	
53-7064 Packers and packagers, hand		220	11.3	3.533	7.72	16050	3.1	6.76	7.02	7.44	8.15	9.08	14060	14590	15480	16850	18890	
53-7081 Refuse and recyclable material collectors		120	15.3	1.962	10.22	21270	2.6	7.38	8.41	9.88	11.71	14.09	15340	17490	20540	24350	29320	