



## Occupational Employment Statistics (OES)

# May 2008 State Occupational Employment and Wage Estimates

## Guam

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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](#)
- 11-0000 [Management Occupations](#)
- 13-0000 [Business and Financial Operations Occupations](#)
- 15-0000 [Computer and Mathematical Science Occupations](#)
- 17-0000 [Architecture and Engineering Occupations](#)
- 19-0000 [Life, Physical, and Social Science Occupations](#)
- 21-0000 [Community and Social Services Occupations](#)
- 23-0000 [Legal Occupations](#)
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- 39-0000 [Personal Care and Service Occupations](#)
- 41-0000 [Sales and Related Occupations](#)
- 43-0000 [Office and Administrative Support Occupations](#)
- 47-0000 [Construction and Extraction Occupations](#)
- 49-0000 [Installation, Maintenance, and Repair Occupations](#)
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- 53-0000 [Transportation and Material Moving Occupations](#)

<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>	58,810	\$11.20	\$14.13	\$29,400	0.7 %
<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>	4,590	\$22.73	\$26.73	\$55,600	0.9 %
11-1011	<a href="#">Chief Executives</a>	750	\$31.69	\$40.73	\$84,720	2.7 %
11-1021	<a href="#">General and Operations Managers</a>	1,550	\$21.87	\$24.92	\$51,840	1.1 %
11-2011	<a href="#">Advertising and Promotions Managers</a>	70	\$17.68	\$18.79	\$39,080	1.4 %
11-2021	<a href="#">Marketing Managers</a>	90	\$23.72	\$24.71	\$51,400	1.5 %
11-2022	<a href="#">Sales Managers</a>	350	\$19.36	\$21.91	\$45,580	1.3 %
11-3011	<a href="#">Administrative Services Managers</a>	320	\$18.67	\$20.00	\$41,610	1.5 %
11-3021	<a href="#">Computer and Information Systems Managers</a>	70	\$25.71	\$27.10	\$56,370	1.7 %
11-3031	<a href="#">Financial Managers</a>	270	\$26.31	\$28.54	\$59,360	1.3 %
11-3061	<a href="#">Purchasing Managers</a>	70	\$17.31	\$17.91	\$37,250	1.7 %
11-3071	<a href="#">Transportation, Storage, and Distribution Managers</a>	70	\$24.79	\$27.71	\$57,650	2.0 %
11-9021	<a href="#">Construction Managers</a>	170	\$20.44	\$24.28	\$50,500	2.4 %
11-9032	<a href="#">Education Administrators, Elementary and Secondary School</a>	80	<a href="#">(4)</a>	<a href="#">(4)</a>	\$64,850	2.6 %
11-9041	<a href="#">Engineering Managers</a>	60	\$22.88	\$25.41	\$52,850	3.8 %
11-9051	<a href="#">Food Service Managers</a>	190	\$12.97	\$14.66	\$30,490	1.7 %
11-9081	<a href="#">Lodging Managers</a>	30	\$15.50	\$16.64	\$34,600	1.5 %
11-9141	<a href="#">Property, Real Estate, and Community Association Managers</a>	50	\$13.86	\$16.03	\$33,340	8.2 %

<b>Business and Financial Operations 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>
13-0000	<a href="#">Business and Financial Operations Occupations</a>	2,060	\$19.01	\$21.01	\$43,710	1.3 %
13-1022	<a href="#">Wholesale and Retail Buyers, Except Farm Products</a>	50	\$13.98	\$17.29	\$35,960	5.7 %
13-1023	<a href="#">Purchasing Agents, Except Wholesale, Retail, and Farm Products</a>	150	\$16.84	\$19.55	\$40,660	1.5 %
13-1031	<a href="#">Claims Adjusters, Examiners, and Investigators</a>	90	\$15.25	\$18.49	\$38,450	2.4 %
13-1041	<a href="#">Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation</a>	250	\$18.29	\$21.83	\$45,400	2.0 %
13-1051	<a href="#">Cost Estimators</a>	50	\$20.64	\$20.98	\$43,650	1.5 %
13-1071	<a href="#">Employment, Recruitment, and Placement Specialists</a>	90	\$18.53	\$19.51	\$40,580	1.6 %
13-1079	<a href="#">Human Resources, Training, and Labor Relations Specialists, All Other</a>	30	\$20.88	\$22.65	\$47,120	1.6 %
13-1111	<a href="#">Management Analysts</a>	120	\$22.68	\$23.09	\$48,020	1.7 %
13-2011	<a href="#">Accountants and Auditors</a>	580	\$18.25	\$19.28	\$40,110	1.1 %
13-2021	<a href="#">Appraisers and Assessors of Real Estate</a>	40	\$17.39	\$23.00	\$47,830	7.5 %
13-2031	<a href="#">Budget Analysts</a>	<a href="#">(8)</a>	\$24.78	\$23.76	\$49,420	1.9 %
13-2053	<a href="#">Insurance Underwriters</a>	50	\$13.72	\$14.09	\$29,310	2.1 %
13-2072	<a href="#">Loan Officers</a>	60	\$19.03	\$21.79	\$45,330	1.2 %
13-2082	<a href="#">Tax Preparers</a>	50	\$13.39	\$13.40	\$27,870	2.8 %
<b>Computer and Mathematical Science 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>
15-0000	<a href="#">Computer and Mathematical Science Occupations</a>	460	\$19.64	\$21.15	\$43,980	1.8 %
15-1041	<a href="#">Computer Support Specialists</a>	210	\$17.94	\$18.55	\$38,590	3.0 %

15-1051	<a href="#">Computer Systems Analysts</a>	40	\$21.22	\$22.12	\$46,010	1.5 %
15-1071	<a href="#">Network and Computer Systems Administrators</a>	40	\$20.27	\$21.27	\$44,230	1.7 %
15-1099	<a href="#">Computer Specialists, All Other</a>	40	\$39.57	\$37.25	\$77,480	3.3 %

**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>	810	\$20.67	\$22.76	\$47,340	2.0 %
17-1011	<a href="#">Architects, Except Landscape and Naval</a>	40	\$23.17	\$24.93	\$51,860	1.9 %
17-2051	<a href="#">Civil Engineers</a>	180	\$22.54	\$24.84	\$51,670	1.6 %
17-2071	<a href="#">Electrical Engineers</a>	50	\$21.58	\$23.51	\$48,890	3.4 %
17-2072	<a href="#">Electronics Engineers, Except Computer</a>	50	\$27.65	\$28.58	\$59,450	3.4 %
17-2081	<a href="#">Environmental Engineers</a>	40	\$23.02	\$26.87	\$55,900	3.5 %
17-3011	<a href="#">Architectural and Civil Drafters</a>	50	\$16.73	\$16.99	\$35,340	2.4 %
17-3023	<a href="#">Electrical and Electronic Engineering Technicians</a>	<a href="#">(8)</a>	\$17.90	\$20.50	\$42,630	3.4 %
17-3029	<a href="#">Engineering Technicians, Except Drafters, All Other</a>	40	\$30.04	\$28.14	\$58,530	2.9 %

**Life, Physical, and Social 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>
19-0000	<a href="#">Life, Physical, and Social Science Occupations</a>	370	\$18.27	\$21.26	\$44,230	1.7 %
19-2041	<a href="#">Environmental Scientists and Specialists, Including Health</a>	80	\$18.36	\$21.52	\$44,770	4.2 %

**Community and Social Services 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	Mean RSE

					(2)	(3)
21-0000	<a href="#">Community and Social Services Occupations</a>	710	\$14.33	\$15.64	\$32,540	1.4 %
21-1012	<a href="#">Educational, Vocational, and School Counselors</a>	70	\$21.48	\$21.01	\$43,690	2.3 %
21-1022	<a href="#">Medical and Public Health Social Workers</a>	(8)	\$20.26	\$18.73	\$38,970	2.5 %
21-1093	<a href="#">Social and Human Service Assistants</a>	80	\$12.31	\$12.44	\$25,870	1.9 %
21-2011	<a href="#">Clergy</a>	60	\$10.26	\$13.00	\$27,040	11.4 %

**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	<a href="#">Legal Occupations</a>	(8)	\$26.85	\$32.77	\$68,170	6.3 %
23-1011	<a href="#">Lawyers</a>	120	\$39.14	\$43.44	\$90,350	7.9 %
23-2011	<a href="#">Paralegals and Legal Assistants</a>	40	\$14.28	\$15.65	\$32,550	5.4 %

**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	<a href="#">Education, Training, and Library Occupations</a>	4,170	\$18.14	\$18.33	\$38,130	1.7 %
25-2011	<a href="#">Preschool Teachers, Except Special Education</a>	190	\$8.82	\$9.83	\$20,440	2.6 %
25-2012	<a href="#">Kindergarten Teachers, Except Special Education</a>	140	(8)	(8)	(8)	(8)
25-2031	<a href="#">Secondary School Teachers, Except Special and Vocational Education</a>	720	(8)	(8)	(8)	(8)
25-2041	<a href="#">Special Education Teachers, Preschool, Kindergarten, and Elementary School</a>	30	(8)	(8)	(8)	(8)
25-3021	<a href="#">Self-Enrichment Education Teachers</a>	30	\$12.26	\$13.11	\$27,270	3.2 %
25-4021	<a href="#">Librarians</a>	30	\$19.85	\$20.66	\$42,980	2.0 %
25-9041	<a href="#">Teacher Assistants</a>	210	(4)	(4)	\$17,880	2.8 %

<b>Arts, Design, Entertainment, Sports, and Media 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>
27-0000	<a href="#">Arts, Design, Entertainment, Sports, and Media Occupations</a>	540	\$11.81	\$13.29	\$27,650	1.5 %
27-1024	<a href="#">Graphic Designers</a>	90	\$11.65	\$12.06	\$25,090	2.2 %
27-4031	<a href="#">Camera Operators, Television, Video, and Motion Picture</a>	40	\$15.78	\$13.33	\$27,720	3.2 %
<b>Healthcare Practitioner and Technical 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>
29-0000	<a href="#">Healthcare Practitioner and Technical Occupations</a>	1,500	\$19.20	\$26.11	\$54,310	3.1 %
29-1031	<a href="#">Dietitians and Nutritionists</a>	<a href="#">(8)</a>	\$14.02	\$15.48	\$32,190	1.8 %
29-1051	<a href="#">Pharmacists</a>	60	\$39.62	\$37.42	\$77,840	3.3 %
29-1062	<a href="#">Family and General Practitioners</a>	50	\$63.15	\$74.78	\$155,530	12.8 %
29-1069	<a href="#">Physicians and Surgeons, All Other</a>	50	\$76.21	\$78.94	\$164,190	8.7 %
29-1071	<a href="#">Physician Assistants</a>	50	\$15.27	\$19.05	\$39,630	2.7 %
29-1111	<a href="#">Registered Nurses</a>	490	\$23.31	\$24.38	\$50,710	3.8 %
29-1123	<a href="#">Physical Therapists</a>	30	\$26.08	\$24.70	\$51,390	11.8 %
29-2021	<a href="#">Dental Hygienists</a>	40	\$17.36	\$17.71	\$36,830	2.4 %
29-2034	<a href="#">Radiologic Technologists and Technicians</a>	60	\$14.40	\$14.88	\$30,940	1.5 %
29-2052	<a href="#">Pharmacy Technicians</a>	100	\$10.86	\$11.11	\$23,100	3.9 %
29-2061	<a href="#">Licensed Practical and Licensed Vocational Nurses</a>	80	\$16.94	\$16.96	\$35,270	1.4 %
29-2071	<a href="#">Medical Records and Health Information Technicians</a>	100	\$10.40	\$12.20	\$25,380	2.1 %

29-9011	<a href="#">Occupational Health and Safety Specialists</a>	50	(8)	(8)	(8)	(8)
<b>Healthcare Support Occupations <a href="#">top</a></b>						
			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	<a href="#">Healthcare Support Occupations</a>	620	\$10.28	\$11.06	\$23,000	1.8 %
31-9011	<a href="#">Massage Therapists</a>	110	\$7.35	\$8.41	\$17,490	11.8 %
31-9091	<a href="#">Dental Assistants</a>	150	\$11.46	\$12.57	\$26,150	5.6 %
31-9092	<a href="#">Medical Assistants</a>	130	\$10.98	\$11.38	\$23,660	2.3 %
<b>Protective Service Occupations <a href="#">top</a></b>						
			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	<a href="#">Protective Service Occupations</a>	2,420	\$11.78	\$13.16	\$27,360	3.2 %
33-9032	<a href="#">Security Guards</a>	1,000	\$7.08	\$7.37	\$15,330	3.0 %
33-9092	<a href="#">Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers</a>	80	\$8.61	\$9.04	\$18,790	2.3 %
<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 (1)	Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
35-0000	<a href="#">Food Preparation and Serving Related Occupations</a>	5,790	\$7.30	\$8.04	\$16,720	0.7 %
35-1011	<a href="#">Chefs and Head Cooks</a>	170	\$15.05	\$16.47	\$34,260	2.1 %
35-1012	<a href="#">First-Line Supervisors/Managers of Food Preparation and Serving Workers</a>	380	\$10.04	\$11.15	\$23,200	1.2 %
35-2011	<a href="#">Cooks, Fast Food</a>	140	\$7.88	\$8.10	\$16,850	3.0 %

35-2014	<a href="#">Cooks, Restaurant</a>	660	\$7.74	\$8.25	\$17,160	1.0 %
35-2015	<a href="#">Cooks, Short Order</a>	80	\$7.66	\$8.21	\$17,080	5.5 %
35-2021	<a href="#">Food Preparation Workers</a>	820	\$7.23	\$7.78	\$16,180	1.0 %
35-3011	<a href="#">Bartenders</a>	250	\$7.13	\$7.41	\$15,410	1.9 %
35-3021	<a href="#">Combined Food Preparation and Serving Workers, Including Fast Food</a>	500	\$7.02	\$7.10	\$14,770	1.7 %
35-3022	<a href="#">Counter Attendants, Cafeteria, Food Concession, and Coffee Shop</a>	170	\$7.02	\$7.06	\$14,680	3.1 %
35-3031	<a href="#">Waiters and Waitresses</a>	1,620	\$6.99	\$7.18	\$14,930	1.2 %
35-9011	<a href="#">Dining Room and Cafeteria Attendants and Bartender Helpers</a>	140	\$7.01	\$7.06	\$14,680	2.1 %
35-9021	<a href="#">Dishwashers</a>	410	\$6.93	\$6.90	\$14,360	1.2 %
35-9031	<a href="#">Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop</a>	150	\$7.13	\$7.36	\$15,300	1.7 %

**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 <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>	3,360	\$7.38	\$8.66	\$18,000	1.4 %
37-1011	<a href="#">First-Line Supervisors/Managers of Housekeeping and Janitorial Workers</a>	270	\$12.20	\$13.97	\$29,050	0.9 %
37-1012	<a href="#">First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers</a>	90	\$11.04	\$19.89	\$41,380	14.3 %
37-2011	<a href="#">Janitors and Cleaners, Except Maids and Housekeeping Cleaners</a>	1,210	\$7.37	\$8.23	\$17,120	1.2 %
37-2012	<a href="#">Maids and Housekeeping Cleaners</a>	1,160	\$7.02	\$7.11	\$14,780	1.3 %
37-3011	<a href="#">Landscaping and Groundskeeping Workers</a>	570	\$7.67	\$8.13	\$16,910	1.5 %

**Personal Care and Service Occupations [top](#)**

			Wage Estimates			
Occupation	Occupation Title (click on the occupation title to	Employment	Median	Mean	Mean	Mean



Code	view an occupational profile)	(1)	Hourly	Hourly	Annual (2)	RSE (3)
39-0000	<a href="#">Personal Care and Service Occupations</a>	2,430	\$9.69	\$14.07	\$29,270	2.3 %
39-1021	<a href="#">First-Line Supervisors/Managers of Personal Service Workers</a>	50	\$11.95	\$13.00	\$27,030	1.4 %
39-3031	<a href="#">Ushers, Lobby Attendants, and Ticket Takers</a>	150	\$6.87	\$6.82	\$14,180	4.1 %
39-3091	<a href="#">Amusement and Recreation Attendants</a>	180	\$7.13	\$7.79	\$16,200	2.0 %
39-5011	<a href="#">Barbers</a>	50	\$10.69	\$10.67	\$22,200	9.2 %
39-5012	<a href="#">Hairdressers, Hairstylists, and Cosmetologists</a>	120	\$8.97	\$10.17	\$21,140	7.4 %
39-6011	<a href="#">Baggage Porters and Bellhops</a>	90	\$7.06	\$7.15	\$14,860	1.8 %
39-6012	<a href="#">Concierges</a>	50	\$9.06	\$9.81	\$20,410	1.5 %
39-6021	<a href="#">Tour Guides and Escorts</a>	160	\$8.61	\$9.76	\$20,310	2.2 %
39-9011	<a href="#">Child Care Workers</a>	680	(8)	(8)	(8)	(8)
39-9032	<a href="#">Recreation Workers</a>	200	\$7.47	\$8.98	\$18,680	2.1 %

**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	<a href="#">Sales and Related Occupations</a>	5,500	\$7.61	\$9.32	\$19,390	0.9 %
41-1011	<a href="#">First-Line Supervisors/Managers of Retail Sales Workers</a>	640	\$12.73	\$13.56	\$28,200	1.0 %
41-1012	<a href="#">First-Line Supervisors/Managers of Non-Retail Sales Workers</a>	70	\$16.35	\$16.96	\$35,280	1.2 %
41-2011	<a href="#">Cashiers</a>	2,000	\$7.14	\$7.46	\$15,520	0.8 %
41-2021	<a href="#">Counter and Rental Clerks</a>	90	\$7.18	\$7.73	\$16,080	2.6 %
41-2022	<a href="#">Parts Salespersons</a>	110	\$9.12	\$9.65	\$20,070	1.9 %
41-2031	<a href="#">Retail Salespersons</a>	1,820	\$7.46	\$8.71	\$18,120	1.6 %
41-3011	<a href="#">Advertising Sales Agents</a>	40	\$14.45	\$14.91	\$31,010	4.3 %
41-3021	<a href="#">Insurance Sales Agents</a>	40	\$14.14	\$16.71	\$34,750	4.0 %
41-3041	<a href="#">Travel Agents</a>	60	\$11.27	\$12.00	\$24,950	3.6 %

41-3099	<a href="#">Sales Representatives, Services, All Other</a>	70	\$9.38	\$10.02	\$20,830	4.2 %
41-4011	<a href="#">Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products</a>	50	\$14.31	\$16.85	\$35,040	4.6 %
41-4012	<a href="#">Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products</a>	190	\$11.25	\$12.67	\$26,340	3.2 %
41-9011	<a href="#">Demonstrators and Product Promoters</a>	250	\$7.16	\$7.66	\$15,930	3.3 %
41-9041	<a href="#">Telemarketers</a>	40	\$9.15	\$10.66	\$22,170	2.0 %

### 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>	10,660	\$11.29	\$12.47	\$25,930	0.7 %
43-1011	<a href="#">First-Line Supervisors/Managers of Office and Administrative Support Workers</a>	750	\$17.71	\$18.26	\$37,980	1.0 %
43-2011	<a href="#">Switchboard Operators, Including Answering Service</a>	90	\$8.32	\$9.56	\$19,880	1.3 %
43-3011	<a href="#">Bill and Account Collectors</a>	220	\$10.78	\$11.70	\$24,330	1.4 %
43-3021	<a href="#">Billing and Posting Clerks and Machine Operators</a>	150	\$9.91	\$10.71	\$22,270	1.1 %
43-3031	<a href="#">Bookkeeping, Accounting, and Auditing Clerks</a>	930	\$11.28	\$12.06	\$25,090	0.7 %
43-3051	<a href="#">Payroll and Timekeeping Clerks</a>	120	\$12.96	\$13.21	\$27,480	1.1 %
43-3061	<a href="#">Procurement Clerks</a>	50	\$15.41	\$15.01	\$31,230	2.4 %
43-3071	<a href="#">Tellers</a>	290	\$10.70	\$10.39	\$21,610	1.6 %
43-4051	<a href="#">Customer Service Representatives</a>	1,350	\$10.49	\$11.71	\$24,360	1.5 %
43-4071	<a href="#">File Clerks</a>	50	\$8.93	\$9.07	\$18,860	1.6 %
43-4081	<a href="#">Hotel, Motel, and Resort Desk Clerks</a>	260	\$7.09	\$7.42	\$15,420	1.1 %
43-4111	<a href="#">Interviewers, Except Eligibility and Loan</a>	60	\$13.00	\$12.16	\$25,300	3.2 %
43-4131	<a href="#">Loan Interviewers and Clerks</a>	40	\$10.53	\$10.80	\$22,470	1.5 %
43-4161	<a href="#">Human Resources Assistants, Except Payroll and Timekeeping</a>	120	\$14.07	\$14.78	\$30,730	1.3 %
43-4171	<a href="#">Receptionists and Information Clerks</a>	410	\$7.75	\$9.19	\$19,110	1.0 %

43-4181	<a href="#">Reservation and Transportation Ticket Agents and Travel Clerks</a>	220	\$10.76	\$11.57	\$24,060	1.6 %
43-4199	<a href="#">Information and Record Clerks, All Other</a>	140	\$18.18	\$17.85	\$37,140	2.5 %
43-5011	<a href="#">Cargo and Freight Agents</a>	210	\$20.45	\$17.01	\$35,390	3.4 %
43-5021	<a href="#">Couriers and Messengers</a>	160	\$8.95	\$9.96	\$20,730	4.8 %
43-5032	<a href="#">Dispatchers, Except Police, Fire, and Ambulance</a>	130	\$11.15	\$11.96	\$24,870	1.0 %
43-5051	<a href="#">Postal Service Clerks</a>	40	\$27.10	\$26.57	\$55,260	(8)
43-5052	<a href="#">Postal Service Mail Carriers</a>	30	\$26.42	\$25.84	\$53,740	(8)
43-5061	<a href="#">Production, Planning, and Expediting Clerks</a>	340	\$18.39	\$18.34	\$38,160	2.0 %
43-5071	<a href="#">Shipping, Receiving, and Traffic Clerks</a>	220	\$13.47	\$13.18	\$27,420	1.9 %
43-5081	<a href="#">Stock Clerks and Order Fillers</a>	930	\$8.30	\$9.49	\$19,740	0.9 %
43-6011	<a href="#">Executive Secretaries and Administrative Assistants</a>	1,190	\$13.08	\$13.51	\$28,100	0.9 %
43-6012	<a href="#">Legal Secretaries</a>	70	\$15.24	\$14.99	\$31,180	3.7 %
43-6014	<a href="#">Secretaries, Except Legal, Medical, and Executive</a>	290	\$13.10	\$13.71	\$28,510	1.7 %
43-9011	<a href="#">Computer Operators</a>	80	\$12.51	\$12.98	\$26,990	1.9 %
43-9021	<a href="#">Data Entry Keyers</a>	120	\$9.28	\$9.81	\$20,400	1.7 %
43-9041	<a href="#">Insurance Claims and Policy Processing Clerks</a>	90	\$11.00	\$11.92	\$24,790	1.4 %
43-9061	<a href="#">Office Clerks, General</a>	930	\$8.59	\$9.50	\$19,750	0.9 %
43-9199	<a href="#">Office and Administrative Support Workers, All Other</a>	50	\$17.60	\$16.72	\$34,790	2.7 %

### 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>	4,510	\$12.38	\$12.70	\$26,420	0.7 %
47-1011	<a href="#">First-Line Supervisors/Managers of Construction Trades and Extraction Workers</a>	250	\$19.04	\$19.53	\$40,630	1.4 %
47-2031	<a href="#">Carpenters</a>	1,030	\$12.62	\$12.80	\$26,620	0.9 %
47-2051	<a href="#">Cement Masons and Concrete Finishers</a>	640	\$12.10	\$12.29	\$25,570	1.1 %
47-2061	<a href="#">Construction Laborers</a>	600	\$9.05	\$9.12	\$18,970	1.3 %

47-2073	<a href="#">Operating Engineers and Other Construction Equipment Operators</a>	200	\$13.06	\$13.31	\$27,690	1.4 %
47-2111	<a href="#">Electricians</a>	470	\$14.40	\$14.88	\$30,940	1.1 %
47-2141	<a href="#">Painters, Construction and Maintenance</a>	250	\$13.83	\$13.55	\$28,180	1.6 %
47-2152	<a href="#">Plumbers, Pipefitters, and Steamfitters</a>	180	\$14.23	\$14.03	\$29,190	1.5 %
47-2161	<a href="#">Plasterers and Stucco Masons</a>	90	\$11.24	\$11.08	\$23,040	1.8 %
47-2171	<a href="#">Reinforcing Iron and Rebar Workers</a>	90	\$11.97	\$12.30	\$25,580	1.7 %
47-2211	<a href="#">Sheet Metal Workers</a>	100	\$14.11	\$14.34	\$29,830	1.5 %
47-2221	<a href="#">Structural Iron and Steel Workers</a>	80	\$10.66	\$10.37	\$21,580	2.1 %
47-3012	<a href="#">Helpers--Carpenters</a>	110	\$8.82	\$8.84	\$18,390	2.1 %
47-3013	<a href="#">Helpers--Electricians</a>	100	\$10.55	\$11.09	\$23,060	2.7 %
47-3015	<a href="#">Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters</a>	30	\$10.99	\$11.16	\$23,220	2.4 %
47-3019	<a href="#">Helpers, Construction Trades, All Other</a>	60	\$7.33	\$7.83	\$16,290	5.3 %
47-4011	<a href="#">Construction and Building Inspectors</a>	50	\$18.42	\$19.28	\$40,100	2.3 %

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

Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment <a href="#">(1)</a>	Wage Estimates			
			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>	3,140	\$12.43	\$13.62	\$28,330	0.9 %
49-1011	<a href="#">First-Line Supervisors/Managers of Mechanics, Installers, and Repairers</a>	250	\$18.84	\$20.11	\$41,830	1.6 %
49-2098	<a href="#">Security and Fire Alarm Systems Installers</a>	50	\$12.95	\$13.37	\$27,800	3.9 %
49-3011	<a href="#">Aircraft Mechanics and Service Technicians</a>	110	\$27.42	\$25.07	\$52,140	4.3 %
49-3021	<a href="#">Automotive Body and Related Repairers</a>	70	\$10.65	\$10.88	\$22,630	1.7 %
49-3023	<a href="#">Automotive Service Technicians and Mechanics</a>	220	\$12.90	\$13.06	\$27,170	1.8 %
49-3031	<a href="#">Bus and Truck Mechanics and Diesel Engine Specialists</a>	120	\$12.90	\$12.76	\$26,540	1.4 %
49-3042	<a href="#">Mobile Heavy Equipment Mechanics, Except Engines</a>	140	\$15.61	\$15.15	\$31,520	1.5 %

49-3093	<a href="#">Tire Repairers and Changers</a>	40	\$8.36	\$8.69	\$18,070	2.8 %
49-9021	<a href="#">Heating, Air Conditioning, and Refrigeration Mechanics and Installers</a>	170	\$14.10	\$14.83	\$30,850	2.0 %
49-9041	<a href="#">Industrial Machinery Mechanics</a>	50	(8)	(8)	(8)	(8)
49-9042	<a href="#">Maintenance and Repair Workers, General</a>	1,210	\$11.45	\$11.95	\$24,850	1.3 %
49-9051	<a href="#">Electrical Power-Line Installers and Repairers</a>	40	\$13.19	\$13.57	\$28,230	3.8 %
49-9052	<a href="#">Telecommunications Line Installers and Repairers</a>	40	\$12.42	\$14.00	\$29,110	2.4 %
49-9092	<a href="#">Commercial Divers</a>	40	\$7.46	\$9.36	\$19,470	6.3 %
49-9098	<a href="#">Helpers--Installation, Maintenance, and Repair Workers</a>	190	\$7.90	\$8.32	\$17,300	1.7 %
49-9099	<a href="#">Installation, Maintenance, and Repair Workers, All Other</a>	50	\$9.69	\$13.02	\$27,080	2.4 %

### Production Occupations [top](#)

Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Wage Estimates			
			Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
51-0000	<a href="#">Production Occupations</a>	1,510	\$10.11	\$12.14	\$25,250	1.2 %
51-1011	<a href="#">First-Line Supervisors/Managers of Production and Operating Workers</a>	180	\$19.84	\$20.74	\$43,130	1.9 %
51-2041	<a href="#">Structural Metal Fabricators and Fitters</a>	40	\$13.20	\$13.72	\$28,540	2.4 %
51-3011	<a href="#">Bakers</a>	150	\$7.41	\$8.13	\$16,920	1.5 %
51-3021	<a href="#">Butchers and Meat Cutters</a>	80	\$9.72	\$11.28	\$23,460	2.0 %
51-3022	<a href="#">Meat, Poultry, and Fish Cutters and Trimmers</a>	30	\$7.00	\$7.01	\$14,570	3.0 %
51-4121	<a href="#">Welders, Cutters, Solderers, and Brazers</a>	160	\$14.46	\$14.66	\$30,500	1.3 %
51-6011	<a href="#">Laundry and Dry-Cleaning Workers</a>	80	\$6.94	\$6.93	\$14,420	2.3 %
51-8013	<a href="#">Power Plant Operators</a>	60	\$17.31	\$17.19	\$35,760	5.0 %
51-9061	<a href="#">Inspectors, Testers, Sorters, Samplers, and Weighers</a>	30	\$13.59	\$13.66	\$28,410	6.0 %
51-9198	<a href="#">Helpers--Production Workers</a>	160	\$7.08	\$7.39	\$15,380	2.8 %

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

Occupation Code	Occupation Title (click on the occupation title to view an occupational profile)	Employment (1)	Wage Estimates			
			Median Hourly	Mean Hourly	Mean Annual (2)	Mean RSE (3)
53-0000	<a href="#"><u>Transportation and Material Moving Occupations</u></a>	3,420	\$9.32	\$11.00	\$22,890	0.9 %
53-1021	<a href="#"><u>First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand</u></a>	60	\$15.53	\$16.78	\$34,900	1.3 %
53-1031	<a href="#"><u>First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators</u></a>	80	\$14.84	\$16.17	\$33,630	1.3 %
53-2021	<a href="#"><u>Air Traffic Controllers</u></a>	30	\$35.20	\$36.18	\$75,250	2.8 %
53-3021	<a href="#"><u>Bus Drivers, Transit and Intercity</u></a>	280	\$7.70	\$8.46	\$17,610	2.4 %
53-3031	<a href="#"><u>Driver/Sales Workers</u></a>	220	\$7.36	\$8.64	\$17,970	2.4 %
53-3032	<a href="#"><u>Truck Drivers, Heavy and Tractor-Trailer</u></a>	400	\$12.49	\$12.48	\$25,960	1.1 %
53-3033	<a href="#"><u>Truck Drivers, Light or Delivery Services</u></a>	440	\$7.84	\$8.65	\$18,000	1.1 %
53-3041	<a href="#"><u>Taxi Drivers and Chauffeurs</u></a>	70	\$7.68	\$7.94	\$16,510	1.7 %
53-5011	<a href="#"><u>Sailors and Marine Oilers</u></a>	50	\$11.05	\$11.24	\$23,380	2.1 %
53-5021	<a href="#"><u>Captains, Mates, and Pilots of Water Vessels</u></a>	60	\$19.18	\$19.48	\$40,520	5.0 %
53-6021	<a href="#"><u>Parking Lot Attendants</u></a>	60	\$6.95	\$7.08	\$14,730	2.5 %
53-6031	<a href="#"><u>Service Station Attendants</u></a>	120	\$6.84	\$6.83	\$14,200	3.2 %
53-7021	<a href="#"><u>Crane and Tower Operators</u></a>	40	\$16.21	\$16.25	\$33,810	2.0 %
53-7032	<a href="#"><u>Excavating and Loading Machine and Dragline Operators</u></a>	40	\$13.38	\$12.92	\$26,880	2.3 %
53-7051	<a href="#"><u>Industrial Truck and Tractor Operators</u></a>	130	\$12.31	\$12.49	\$25,980	1.7 %
53-7061	<a href="#"><u>Cleaners of Vehicles and Equipment</u></a>	100	\$7.08	\$7.29	\$15,170	2.3 %
53-7062	<a href="#"><u>Laborers and Freight, Stock, and Material Movers, Hand</u></a>	540	\$9.41	\$10.84	\$22,540	1.8 %
53-7064	<a href="#"><u>Packers and Packagers, Hand</u></a>	200	\$7.12	\$7.42	\$15,430	1.6 %
53-7081	<a href="#"><u>Refuse and Recyclable Material Collectors</u></a>	130	\$9.22	\$9.59	\$19,940	1.8 %

[About May 2008 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.

(8) Estimates not released.

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

[List of Occupations in Alphabetical Order](#)

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[Technical notes](#)

**Last Modified Date:** May 01, 2009



# Technical Notes for May 2008 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. 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 2008 estimates is 78.2 percent based on establishments and 74.3 percent based on employment. The survey included establishments sampled in the May 2008, November 2007, May 2007, November 2006, May 2006, and November 2005 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 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 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). The May 2008 estimates and survey data are 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 <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 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 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 makes up approximately 61 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.

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 2008 survey are as follows:

May 2008 wage intervals

<b>Interval</b>	<b>Hourly Wages</b>	<b>Annual Wages</b>
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

**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). 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 was \$80.00. The mean hourly wage for this interval was calculated using the average of the 2005, 2006, and 2007 NCS data.

**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 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 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 average of November 2007 and May 2008 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

**May 2008 OES survey estimates.** The May 2008 OES survey estimates are based on all data collected from establishments in the May 2008, November 2007, May 2007, November 2006, May 2006, and November 2005 semiannual 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 (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 2008 National Occupational Employment and Wage Estimates](#)

[May 2008 State Occupational Employment and Wage Estimates](#)

[May 2008 Metropolitan and Nonmetropolitan Area Occupational Employment and Wage Estimates](#)

[May 2008 National Industry-Specific Occupational Employment and Wage Estimates](#)

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

[List of Occupations in Alphabetical Order](#)

[Download May 2007 Occupational Employment and Wage Estimates in Zipped Excel files](#)

[Technical notes](#)

**Last Modified Date:** May 01, 2009

# May 2008 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 <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)
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%

OCC_CODE	OCC_TITLE	TOT_EMP	EMP_PSE	H_MEAN	A_MEAN	MEAN_PSE	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90
00-0000	All Occupations	58810	0.7	14.13	29400	0.7	6.61	11.20	17.14	25.07	13740	15860	23310	35650	52140	
11-0000	Management occupations	4590	1.6	26.73	55600	0.9	11.57	15.86	22.73	32.51	24070	32990	47270	67610	94940	
11-1011	Chief executives	750	3.7	40.73	84720	2.7	13.34	21.19	31.69	51.13	27740	44080	65920	106360	#	
11-2021	General and operations managers	1550	3.3	24.92	51840	1.1	10.94	15.13	21.87	31.39	22760	31470	45480	65280	87590	
11-2022	Advertising and promotions managers	70	4.6	18.79	39080	1.4	12.06	14.16	17.68	22.23	25.36	25080	36770	46240	52720	
11-3011	Sales managers	350	5.1	24.71	51400	1.5	12.35	16.06	23.72	30.59	40.19	25680	39400	49340	63630	
11-3012	Administrative services managers	320	2.4	21.91	45580	1.3	11.42	14.97	19.36	25.81	34.66	40260	49420	53680	72090	
11-3021	Computer and information systems managers	70	2.6	20.00	41610	1.5	11.73	15.02	18.67	24.15	30.27	38830	50220	62960	86260	
11-3031	Financial managers	270	4.6	27.54	56370	1.7	15.98	20.39	25.31	33.05	41.47	53470	68750	87540	112600	
11-3061	Purchasing managers	70	3.5	17.91	37250	1.7	9.01	12.05	17.31	22.60	28.79	37300	47000	59880	74600	
11-3071	Transportation, storage, and distribution managers	70	2.1	27.71	57650	2.0	14.53	18.28	24.79	38.23	46.34	30220	38030	47000	59880	
11-9001	Education administrators, elementary and secondary school	170	5.5	24.28	50500	2.4	13.39	16.06	20.44	33.87	40.68	27850	33400	42510	70440	
11-9002	Engineering managers	60	2.3	**	64850	2.6	**	**	**	**	**	34480	52650	66620	80220	
11-9051	Food service managers	190	2.0	14.66	34600	1.7	9.46	10.99	12.97	17.36	22.38	19680	22860	26980	36100	
11-9081	Lodging managers	30	0.0	16.64	34600	1.5	11.14	13.11	15.50	18.85	23.39	23180	27280	32240	39200	
11-9141	Property, real estate, and community association managers	50	16.4	16.03	33340	8.2	7.18	10.98	13.86	18.02	25.79	14940	22840	28830	37480	
13-0000	Business and financial operations occupations	2060	1.1	21.01	43710	1.3	11.00	14.17	19.01	25.81	34.64	22870	29480	39540	53690	
13-1021	Wholesale and retail buyers, except farm products	50	16.0	17.29	35980	5.7	8.53	10.36	13.98	19.45	25.60	17750	21560	29080	40460	
13-1023	Purchasing agents, except wholesale, retail, and farm products	150	1.5	19.55	40660	1.5	9.16	11.72	16.84	24.77	35.32	19060	24370	35030	51530	
13-1031	Claims adjusters, examiners, and investigators	90	8.6	18.49	38450	2.4	9.41	11.56	15.25	22.29	34.97	19570	24050	31730	46360	
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	250	0.2	21.83	45400	2.0	12.68	14.10	18.29	29.02	36.54	26370	29330	38050	60370	
13-1051	Cost estimators	50	4.1	20.98	43650	1.5	13.44	16.47	20.64	24.71	29.81	27950	34270	42930	51400	
13-1071	Employment, recruitment, and placement specialists	90	0.8	19.51	40580	1.6	11.75	15.41	18.53	23.00	28.79	24450	32050	38590	47630	
13-1079	Human resources, training, and labor relations specialists, all other	30	0.0	22.65	47120	1.6	14.73	17.04	20.88	27.28	34.34	30650	35430	43440	56750	
13-1111	Management analysts	120	1.9	23.09	48020	1.7	8.10	17.98	22.68	28.37	34.81	16850	23790	37900	47180	
13-2011	Accountants and auditors	580	2.4	19.28	40110	1.1	11.36	14.27	18.25	22.85	27.66	23630	29680	37960	47520	
13-2021	Appraisers and assessors of real estate	40	16.5	23.00	47830	7.5	9.86	13.16	17.39	23.38	46.21	20510	27360	36170	48640	
13-2031	Budget analysts	**	**	23.76	49420	1.9	12.46	16.79	24.78	29.62	35.12	25910	34930	51540	61620	
13-2053	Insurance underwriters	50	9.5	14.09	29310	2.1	8.88	10.70	13.72	16.03	19.35	18480	22260	28530	33940	
13-2072	Loan officers	60	1.3	21.79	45330	1.2	13.19	15.37	19.03	24.92	34.92	27440	31970	39580	51820	
13-2082	Tax preparers	50	4.1	13.40	27870	3.3	23.33	31.26	39.57	45.53	49.11	48530	65020	82300	94710	
15-0000	Computer and mathematical science occupations	460	1.9	21.15	43980	2.0	10.38	15.93	20.67	29.06	37.91	21580	33140	43000	60440	
15-1041	Computer support specialists	210	2.6	18.55	38590	4.0	11.94	17.24	23.17	33.74	44.80	24830	35850	48180	60370	
15-1051	Computer systems analysts	40	0.9	22.12	46010	1.5	14.25	16.80	21.22	26.81	31.65	29640	34940	44150	55770	
15-1071	Network and computer systems administrators	40	2.8	21.27	44230	1.7	12.14	16.56	20.27	25.28	32.23	25260	34450	42160	52560	
15-1099	Computer specialists, all other	80	0.0	37.25	77480	3.3	23.33	31.26	39.57	45.53	49.11	48530	65020	82300	94710	
17-0000	Architecture and engineering occupations	810	12.3	22.76	47340	2.0	10.38	15.93	20.67	29.06	37.91	21580	33140	43000	60440	
17-1011	Architects, except landscape and naval	40	4.2	24.93	51860	1.9	11.94	17.24	23.17	33.74	44.80	24830	35850	48180	60370	
17-2051	Civil engineers	180	1.9	24.84	51670	1.6	16.29	18.39	22.54	28.92	38.74	33880	38250	46890	60150	
17-2071	Electrical engineers	50	9.8	23.51	48890	3.4	13.72	17.80	21.58	27.35	37.07	28540	37030	44880	56890	
17-2072	Electronics engineers, except computer	50	3.4	28.58	59450	3.4	24.60	25.70	27.65	29.69	30.91	51160	53450	57510	64300	
17-2081	Environmental engineers	40	14.7	26.87	55900	3.5	14.67	18.62	23.02	34.80	45.96	30500	38740	47880	95590	
17-3001	Architectural and civil drafters	50	7.2	16.99	35340	2.4	9.36	12.82	16.73	20.34	25.02	19460	26670	34800	42300	
17-3023	Electrical and electronic engineering technicians	**	**	20.34	42630	3.4	8.50	9.87	17.90	30.36	37.51	17680	20520	37230	63160	
17-3029	Engineering technicians, except drafters, all other	40	0.0	28.14	58530	2.9	16.36	22.83	30.04	35.04	44.80	34030	47480	62480	78780	
19-0000	Life, physical, and social science occupations	370	1.5	21.26	44230	1.7	11.76	14.40	18.27	25.69	36.97	24460	29950	38000	53440	
19-2041	Environmental scientists and specialists, including health	80	2.0	21.52	44770	4.2	13.66	15.35	18.36	23.78	37.90	28420	31920	38190	49450	
21-0000	Community and social services occupations	710	1.7	15.64	32540	1.4	7.50	9.86	14.33	20.19	25.49	15600	20510	29810	42000	
21-1012	Educational, vocational, and school counselors	70	5.1	21.01	43690	2.3	10.35	16.05	21.48	25.79	30.67	21520	33390	44680	53650	
21-1022	Medical and public health social workers	**	**	18.73	38970	2.5	10.52	13.87	20.26	23.13	24.85	21870	28840	42140	48100	
21-1093	Social and human service assistants	80	1.2	12.44	25870	1.9	8.30	9.56	12.31	14.41	15.94	17270	19880	25610	29970	
21-2011	Clergy	60	21.9	13.00	27040	11.4	6.38	7.06	10.26	15.32	25.07	13260	14690	21350	31870	
23-0000	Legal occupations	**	**	32.77	68170	6.3	12.08	17.43	26.85	44.52	57.81	25140	36650	55850	92600	
23-1011	Lawyers	120	6.0	43.44	90350	7.9	22.22	28.19	39.14	49.68	68.52	46230	58630	81420	103940	
23-2011	Paralegals and legal assistants	40	13.0	15.65	32550	5.4	8.59	9.03	14.28	19.39	29.19	14330	18780	29700	40340	
25-0000	Education, training, and library occupations	4170	1.2	18.33	38130	1.7	8.55	10.68	18.14	23.91	29.07	17790	22210	37740	49730	
25-2011	Preschool teachers, except special education	190	9.7	9.83	20440	2.6	6.36	7.03	8.82	11.45	16.34	13240	14620	18360	23820	
25-2012	Kindergarten teachers, except special education	140	2.6	**	**	**	**	**	**	**	**	**	**	**	**	
25-2031	Secondary school teachers, except special and vocational education	720	1.9	**	**	**	**	**	**	**	**	**	**	**	**	
25-2041	Special education teachers, preschool, kindergarten, and elementary school	30	21.3	**	**	**	**	**	**	**	**	**	**	**	**	
25-3021	Self-enrichment education teachers	30	7.0	13.11	27270	3.2	6.85	10.38	12.26	15.54	19.46	14250	21590	25490	32310	
25-4021	Librarians	30	5.1	20.66	42980	2.0	11.36	16.41	19.85	26.57	30.43	23630	34130	41280	55270	
25-9041	Teacher assistants	210	0.6	**	17880	2.8	**	**	**	**	**	13810	16000	18010	20790	
27-0000	Arts, design, entertainment, sports, and media occupations	540	2.9	13.29	27650	1.5	7.10	8.96	11.81	16.41	19.97	14770	18630	24520	34140	
27-1024	Graphic designers	90	7.2	12.06	25090	2.2	8.42	9.54	11.65	14.46	16.03	17510	19640	24230	30080	
27-4031	Camera operators, television, video, and motion picture	40	0.0	13.33	27720	3.2	7.10	8.50	15.78	17.70	18.85	14760	17680	32830	36820	
29-0000	Healthcare practitioners and technical occupations	1500	1.8	26.11	54310	3.1	9.38	11.31	14.02	20.09	24.66	17450	23600	29160	41780	
29-1001	Dietitians and nutritionists	**	**	15.48	32190	1.8	8.39	11.65	14.02	20.09	24.66	17450	23600	29160	41780	
29-1051	Pharmacists	60	3.1	37.42	77840	3.3	23.68	29.68	39.62	46.19	49.88	66150	110440	131350	158510	
29-1062	Family and general practitioners	50	5.1	74.78	155530	12.8	31.68	39.10	53.10	64.00</						

OCC_CODE	OCC_TITLE	TOT_EMP	EMP_P_RSE	H_MEAN	A_MEAN	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90
29-1123	Physical therapists	30	15.1	24.70	51390	11.8	8.77	9.84	26.08	31.26	18240	20480	54240	65010	91830
29-2021	Dental hygienists	40	6.2	17.71	36830	2.4	12.09	14.10	17.36	20.06	25140	29320	36100	41720	52690
29-2024	Radiologic technologists and technicians	60	7.0	14.88	30940	1.5	9.82	12.41	14.40	17.19	20420	25610	29950	35760	42420
29-2052	Pharmacy technicians	100	6.4	11.11	23100	3.9	7.54	9.10	10.86	12.75	15430	18920	22580	26620	32080
29-2061	Licensed practical and licensed vocational nurses	80	1.5	16.96	35270	1.4	10.86	13.04	16.94	18.97	22600	27120	35240	39450	44160
29-2071	Medical records and health information technicians	100	6.3	12.20	25380	2.1	6.96	8.30	10.47	14.73	14470	17260	21630	30640	44300
29-9011	Occupational health and safety specialists	50	1.4												
31-0000	<b>Healthcare support occupations</b>	<b>620</b>	<b>2.5</b>	<b>11.06</b>	<b>23000</b>	<b>1.8</b>	<b>6.86</b>	<b>8.16</b>	<b>10.28</b>	<b>13.43</b>	<b>14270</b>	<b>16980</b>	<b>21380</b>	<b>27940</b>	<b>32870</b>
31-9011	Massage therapists	110	8.1	8.41	17490	11.8	6.22	7.35	8.32	9.78	12950	13630	15290	17320	20350
31-9091	Dental assistants	150	6.5	12.57	26150	5.6	7.76	9.03	11.46	15.42	19870	16140	18780	23850	32070
31-9092	Medical assistants	130	5.2	11.38	23660	2.3	8.28	9.23	10.98	13.30	1499	17220	22840	27660	31180
33-0000	<b>Protective service occupations</b>	<b>2420</b>	<b>0.8</b>	<b>13.16</b>	<b>27360</b>	<b>3.2</b>	<b>6.47</b>	<b>7.26</b>	<b>11.78</b>	<b>17.83</b>	<b>13450</b>	<b>15100</b>	<b>24510</b>	<b>37080</b>	<b>46130</b>
33-9032	Security guards	1000	1.8	7.37	15330	3.0	6.17	7.08	7.65	8.45	12820	13530	14720	15910	17580
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	80	6.2	9.04	18790	2.3	6.49	8.61	10.31	12.51	13510	15250	17900	21450	26020
35-0000	<b>Food preparation and serving related occupations</b>	<b>5790</b>	<b>1.9</b>	<b>8.04</b>	<b>16720</b>	<b>6.0</b>	<b>6.20</b>	<b>6.62</b>	<b>7.30</b>	<b>8.43</b>	<b>10760</b>	<b>12900</b>	<b>15180</b>	<b>17530</b>	<b>22320</b>
35-1011	Chefs and head cooks	170	6.0	16.47	34260	2.1	9.57	11.08	15.05	20.35	2718	19900	30050	31310	42330
35-1012	First-line supervisors/managers of food preparation and serving workers	380	3.9	11.15	23200	1.2	7.33	8.60	10.04	12.67	16.89	17890	20890	26350	35130
35-2011	Cooks, fast food	140	18.0	8.10	16850	3.0	6.34	6.93	7.88	9.27	10.19	13180	14410	16390	19270
35-2014	Cooks, restaurant	660	3.7	8.25	17160	1.0	6.29	6.83	7.74	9.24	11.01	13080	14200	16100	19230
35-2015	Cooks, short order	80	30.0	8.21	17080	5.5	6.29	6.63	7.66	8.75	10.10	13090	14210	15940	18200
35-2021	Food preparation workers	820	7.1	7.78	16180	1.0	6.19	6.58	7.23	8.05	10.84	13680	15040	16750	18540
35-3011	Banenders	250	12.9	7.41	15410	1.9	6.16	6.52	7.13	7.87	9.37	12810	13570	14830	16360
35-3021	Combined food preparation and serving workers, including fast food	500	11.7	7.10	14770	1.7	6.15	6.48	7.02	7.56	8.08	12800	13470	14600	15730
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	170	9.5	7.06	14680	3.1	6.16	6.48	7.02	7.56	7.93	12810	13480	14600	15720
35-3031	Waiters and waitresses	1620	3.9	7.18	14930	1.2	6.14	6.46	6.99	7.53	8.07	12770	13440	14540	15660
35-9011	Dining room and cafeteria attendants and bartender helpers	140	0.6	7.06	14680	1.2	6.16	6.48	7.01	7.55	7.92	12800	13470	14580	15700
35-9021	Dishwashers	410	5.8	6.90	14360	1.2	6.13	6.43	6.93	7.43	7.81	12750	13370	14410	15450
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	150	6.0	7.36	15300	1.7	6.16	6.52	7.13	7.85	9.23	12810	13570	14830	16330
35-9031	<b>Building and grounds cleaning and maintenance occupations</b>	<b>3360</b>	<b>1.1</b>	<b>8.66</b>	<b>18000</b>	<b>1.4</b>	<b>6.22</b>	<b>6.65</b>	<b>7.38</b>	<b>8.87</b>	<b>12940</b>	<b>13840</b>	<b>15350</b>	<b>18450</b>	<b>25390</b>
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	270	0.8	13.97	29050	0.9	7.23	8.69	12.20	17.80	24.59	15040	18070	37010	51150
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	90	14.6	19.69	41380	14.3	6.89	8.32	11.04	21.93	58.44	14340	17300	22960	46820
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	1210	1.8	8.23	17120	1.2	6.22	6.65	7.37	8.83	11.86	12930	13630	15320	18780
37-2012	Maids and housekeeping cleaners	1160	0.3	7.11	14780	1.3	6.14	6.47	7.02	7.57	8.16	12780	13460	14950	17550
37-3011	Landscaping and groundskeeping workers	570	3.7	8.13	16910	6.2	6.27	6.78	7.67	9.08	10.66	13050	14110	15940	18890
39-0000	<b>Personal care and service occupations</b>	<b>2430</b>	<b>2.3</b>	<b>14.07</b>	<b>29270</b>	<b>2.3</b>	<b>6.46</b>	<b>7.26</b>	<b>9.69</b>	<b>13.49</b>	<b>13440</b>	<b>15000</b>	<b>20150</b>	<b>28060</b>	<b>36910</b>
39-1021	First-line supervisors/managers of personal service workers	50	2.4	13.00	27030	1.4	8.11	9.33	11.95	15.25	19.35	16870	19400	24850	31710
39-3031	Ushers, lobby attendants, and ticket takers	150	0.0	6.82	14180	4.1	6.13	6.41	6.87	7.34	7.62	12750	13330	14300	15270
39-3081	Amusement and recreation attendants	180	5.7	7.79	16200	2.0	6.17	6.53	7.13	7.91	9.42	12840	13590	14840	16180
39-5011	Barbers	50	34.2	10.67	22200	9.2	7.72	9.22	10.69	11.91	14.56	16050	19170	22240	24770
39-5012	Hairdressers, hairstylists, and cosmetologists	120	16.0	10.17	21140	6.4	6.55	7.45	8.97	11.32	15.39	13620	15520	18650	23540
39-6011	Baggage porters and bellhops	90	0.0	7.15	14860	1.8	6.16	6.50	7.06	7.63	8.11	12820	13600	14960	16860
39-6012	Concierges	50	0.0	9.81	20410	1.5	6.50	7.37	9.06	12.20	14.70	13530	15340	18850	25370
39-6021	Tour guides and escorts	160	6.8	9.76	20310	2.2	6.39	7.06	8.61	11.88	15.19	13290	14680	17910	24710
39-9011	Child care workers	660	3.8												
39-9032	Recreation workers	200	2.1	8.98	18680	6.22	6.69	7.47	9.29	14.84	12950	13920	15540	19320	30860
41-0000	<b>Sales and related occupations</b>	<b>5500</b>	<b>0.9</b>	<b>9.32</b>	<b>19390</b>	<b>0.3</b>	<b>6.24</b>	<b>6.75</b>	<b>7.61</b>	<b>10.27</b>	<b>12980</b>	<b>14040</b>	<b>15830</b>	<b>21350</b>	<b>31040</b>
41-1011	First-line supervisors/managers of retail sales workers	640	3.5	13.56	28200	1.0	7.67	9.57	12.73	16.29	19.59	15950	19910	26480	40750
41-1012	First-line supervisors/managers of non-retail sales workers	70	2.2	16.96	35280	1.2	9.12	11.59	16.35	20.47	27.31	18970	24110	34010	42570
41-2011	Cashiers	2000	4.9	7.46	15520	0.8	6.15	6.52	7.14	7.86	9.47	12790	13570	14860	16360
41-2021	Counter and rental clerks	90	24.9	7.73	16080	2.6	6.15	6.54	7.18	8.65	10.72	12800	13600	14940	18000
41-3011	Retail salespersons	110	5.2	9.65	20070	1.9	6.62	7.68	9.12	11.22	13.96	13770	15970	23330	29030
41-3011	Advertising sales agents	40	6.7	14.91	31010	4.3	6.96	10.10	14.45	19.83	23.61	14480	21000	30060	41250
41-3021	Insurance sales agents	40	6.0	16.71	34750	4.0	8.72	10.04	14.14	20.13	29.10	18140	20680	29410	41870
41-3041	Travel agents	60	8.5	12.00	24950	3.6	8.02	8.99	11.27	14.40	17.78	16690	18700	23430	29950
41-3099	Sales representatives, services, all other	70	14.3	10.02	20830	4.2	6.48	7.33	9.38	11.55	14.58	13470	15250	19510	24020
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	50	13.5	16.85	35040	4.6	9.92	11.45	14.31	21.70	28.99	20640	23820	29770	45130
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	190	5.2	12.67	26340	3.2	6.74	8.24	11.25	15.42	14020	17140	23410	32080	42580
41-9011	Demonstrators and product promoters	250	0.5	7.66	15930	3.3	6.16	6.54	7.16	8.31	10.26	12810	13590	14890	17290
41-9041	Telemarketers	40	2.8	10.66	22170	2.0	6.54	7.47	9.15	12.41	18.20	13590	15540	19030	25620
43-0000	<b>Office and administrative support occupations</b>	<b>10660</b>	<b>1.0</b>	<b>12.47</b>	<b>25930</b>	<b>0.7</b>	<b>6.80</b>	<b>8.20</b>	<b>11.29</b>	<b>15.64</b>	<b>20.00</b>	<b>14140</b>	<b>17060</b>	<b>23480</b>	<b>32540</b>
43-1011	First-line supervisors/managers of office and administrative support workers	750	1.8	18.26	37980	1.0	9.80	13.55	17.71	22.43	26.96	20380	28170	36840	46650
43-2011	Switchboard operators, including answering service	90	1.1	9.56	19880	1.3	6.38	7.03	8.32	11.28	15.37	13270	14620	17300	23460
43-3011	Bill and account collectors	220	11.7	10.70	24330	6.92	8.27	9.18	10.78	14.12	17.89	14390	17400	22420	29360
43-3021	Billing and posting clerks and machine operators	150	2.8	11.71	22270	1.1	6.96	8.25	9.91	12.83	15.55	14480	17160	20610	26690
43-3031	Bookkeeping, accounting, and auditing clerks	930	2.1	12.06	25090	0.7	7.15	8.81	11.28	14.79	18.25	14860	18330	23470	37960
43-3051	Payroll and timekeeping clerks	120	3.0	13.21	27480	1.1	8.77	10.76	12.96	15.77	18.36	18240	22390	26960	32610
43-3061	Procurement clerks	50	2.2	15.01	31230	2.4	7.03	9.02	15.41	20.49	23.11	14620	18760	32040	48080
43-3071	Tellers	290	0.3	10.39</											



OCC_CODE	OCC_TITLE	TOT_EMP	EMP_PSE	H_MEAN	A_MEAN	MEAN_PSE	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90
43-4171	Receptionists and information clerks	410	4.0	9.19	19110	1.0	6.29	6.82	7.75	10.14	13.35	13070	14180	16130	21080	27770
43-4181	Reservation and transportation ticket agents and travel clerks	220	2.2	11.57	24060	1.6	6.54	7.44	10.76	15.07	18.39	13590	15480	17880	23380	38280
43-4199	All other information and record clerks	140	0.0	17.85	37140	2.5	10.59	12.85	18.18	22.04	24.42	22020	26730	37800	50830	50830
43-5011	Cargo and freight agents	210	3.4	7.21	35390	3.4	7.21	9.85	20.45	23.15	24.78	14990	20490	42530	48150	51540
43-5021	Couriers and messengers	160	15.8	9.96	20730	4.8	6.47	7.26	8.95	12.17	15.39	13460	15100	18610	25320	32010
43-5032	Dispatchers, except police, fire, and ambulance	130	0.9	11.96	24870	1.0	6.92	8.38	11.15	14.96	18.88	14390	17430	23190	31100	38280
43-5051	Postal service clerks	40	0.0	25.84	55260	*	22.40	25.15	27.10	29.05	30.22	46590	52410	56370	60420	62880
43-5052	Postal service mail carriers	30	0.0	25.84	53740	*	21.06	23.77	26.42	28.71	30.08	43800	49440	54960	59720	62580
43-5061	Production, planning, and expediting clerks	340	2.0	11.57	38160	1.9	11.57	15.22	18.39	21.95	24.78	24060	31650	38250	45650	51540
43-5071	Shipping, receiving, and traffic clerks	220	1.2	13.18	27420	2.0	7.58	9.32	13.47	16.39	18.57	15770	19390	28010	34080	38630
43-5081	Stock clerks and order fillers	930	0.9	9.49	19740	0.9	6.35	6.97	8.30	11.39	14.89	13200	14510	17260	23680	30970
43-6001	Executive secretaries and administrative assistants	1190	3.6	13.51	28100	0.9	8.23	9.94	13.08	16.49	19.43	17120	20680	27200	34300	40420
43-6012	Legal secretaries	70	8.0	14.99	31180	3.7	9.06	11.17	15.24	18.41	21.09	18840	23230	31700	38280	43880
43-6014	Secretaries, except legal, medical, and executive	290	13.1	13.71	28510	1.7	8.01	9.70	13.10	16.88	20.96	16660	20180	27250	35110	43600
43-9011	Computer operators	80	4.6	12.98	26990	1.9	8.26	9.58	12.51	15.56	18.92	17190	19930	26020	33950	42600
43-9021	Data entry keyers	120	4.8	9.81	20400	1.7	6.96	9.28	11.39	13.73	16.59	14480	16790	19310	23690	28570
43-9041	Insurance claims and policy processing clerks	90	6.3	11.92	24790	1.4	8.15	9.09	11.00	14.03	17.74	16950	18910	22870	29180	36890
43-9061	Office clerks, general	930	1.7	9.50	19750	0.9	6.37	7.01	8.59	11.55	14.53	13240	14580	17860	24020	30230
43-9199	Office and administrative support workers, all other	50	19.9	16.72	34790	0.7	8.89	11.66	17.60	21.35	23.47	18490	24260	36610	44410	48810
47-0000	<b>Construction and extraction occupations</b>	<b>4510</b>	<b>2.1</b>	<b>12.70</b>	<b>26420</b>	<b>0.7</b>	<b>8.60</b>	<b>10.36</b>	<b>12.38</b>	<b>14.64</b>	<b>16.70</b>	<b>17880</b>	<b>21540</b>	<b>25750</b>	<b>30440</b>	<b>34740</b>
47-1011	First-line supervisors/managers of construction trades and extraction workers	250	2.9	19.53	40630	1.4	13.06	15.23	19.04	23.32	27.93	27170	31670	39600	48500	58100
47-2031	Carpenters	1030	3.8	12.80	26620	0.9	10.38	11.17	12.62	14.42	15.64	21580	23230	26250	30000	35250
47-2051	Cement masons and concrete finishers	640	6.0	12.29	25570	1.1	10.30	10.98	12.10	13.79	15.07	21410	22830	25170	28690	31360
47-2061	Construction laborers	600	6.7	9.12	18970	1.3	6.95	8.08	9.05	10.09	11.69	14470	16800	18820	20980	24320
47-2073	Operating engineers and other construction equipment operators	200	8.7	13.31	27690	1.4	9.88	11.25	13.06	14.90	16.65	20540	23400	27170	31000	34630
47-2111	Electricians	470	3.3	14.88	30940	1.1	10.86	12.79	14.40	16.51	19.74	22580	26610	29940	34330	41050
47-2141	Painters, construction and maintenance	250	3.7	13.55	28180	1.6	9.54	10.94	12.79	14.83	16.59	19840	22520	28770	34500	41050
47-2152	Plumbers, pipefitters, and steamfitters	180	3.3	14.03	29190	1.5	10.21	12.97	14.23	15.48	17.17	21230	24680	29600	32190	35710
47-2161	Plasterers and stucco masons	90	18.0	11.08	23040	1.8	9.35	10.33	11.24	12.12	12.87	19460	21490	23380	25210	26760
47-2171	Reinforcing iron and rebar workers	90	4.1	12.30	25580	1.7	10.39	10.98	11.97	13.69	15.31	21610	22840	24900	28470	31830
47-2211	Sheet metal workers	100	4.9	14.34	29830	1.5	10.24	11.64	14.11	16.31	19.30	21310	24210	29360	33930	40150
47-2221	Structural iron and steel workers	80	9.8	10.37	21580	2.1	8.05	8.84	10.66	11.85	12.75	16750	18390	22160	24660	28520
47-3012	Helpers--carpenters	110	8.84	18390	1.1	6.78	7.87	8.82	9.73	11.39	14100	16380	18340	20230	23700	27500
47-3013	Helpers--electricians	100	8.3	11.09	23060	2.7	7.99	8.79	10.55	13.63	15.12	16610	18290	21940	28350	31450
47-3015	Helpers--pipelayers, plumbers, pipefitters, and steamfitters	30	18.8	11.16	23220	2.4	8.36	9.15	10.99	13.29	14.75	17390	19030	22860	27640	30690
47-3019	Helpers, construction trades, all other	60	37.2	7.83	16290	5.3	6.25	6.65	7.93	8.67	10.24	12980	13630	15240	18040	21300
47-4011	Construction and building inspectors	50	0.4	19.28	40100	2.3	13.91	15.88	18.42	21.88	24.42	28930	33030	38320	45510	50800
49-0000	<b>Installation, maintenance, and repair occupations</b>	<b>3140</b>	<b>1.2</b>	<b>13.62</b>	<b>28330</b>	<b>0.9</b>	<b>7.18</b>	<b>9.38</b>	<b>12.43</b>	<b>16.34</b>	<b>21.73</b>	<b>14930</b>	<b>19510</b>	<b>25860</b>	<b>33990</b>	<b>45200</b>
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	250	3.0	20.11	41830	1.6	11.44	14.69	18.84	23.87	30.33	23800	30550	39190	49650	63090
49-2098	Security and fire alarm systems installers	50	19.1	13.37	27800	4.3	7.60	10.23	12.95	15.24	21.32	15810	21270	26940	31700	44350
49-3011	Aircraft mechanics and service technicians	110	2.1	25.07	52140	3.4	16.03	21.30	27.42	29.90	31.39	33350	44310	57030	62200	65300
49-3021	Automotive body and related repairers	70	7.8	10.88	22630	1.7	6.87	8.25	10.65	13.31	15.83	14280	17150	22160	27690	31860
49-3023	Automotive service technicians and mechanics	220	4.4	13.06	27170	1.8	7.65	10.08	12.80	15.91	18.83	15910	20970	26830	30990	39170
49-3031	Bus and truck mechanics and diesel engine specialists	120	4.8	12.76	26540	1.4	7.44	9.67	12.90	15.64	18.36	15470	20110	26830	32540	38190
49-3042	Mobile heavy equipment mechanics, except engines	140	5.3	15.15	31520	1.5	10.52	12.98	15.61	17.82	19.22	21880	27000	32470	37060	39970
49-3093	Tire repairers and changers	40	14.0	8.69	18070	2.8	6.43	7.18	8.36	9.63	11.82	13380	14940	17380	20030	24580
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	170	7.9	14.83	30850	2.0	7.58	11.13	14.10	17.28	25.64	15770	23160	29330	35940	53330
49-9041	Industrial machinery mechanics	50	1.3	*	*	*	*	*	*	*	*	*	*	*	*	*
49-9042	Maintenance and repair workers, general	1210	2.2	11.95	24850	1.3	7.06	8.99	11.45	14.38	17.70	14680	18690	23810	29920	36810
49-9051	Electrical power-line installers and repairers	40	23.0	13.57	28230	3.8	10.18	11.67	13.19	14.56	19.86	21180	24280	27430	30270	41310
49-9052	Telecommunications line installers and repairers	40	2.5	14.00	29110	2.4	9.17	10.61	12.42	15.27	24.91	19070	22070	25830	31760	51810
49-9092	Commercial divers	40	31.7	9.36	19470	6.3	6.19	6.67	7.46	12.13	14.05	12880	13870	15510	25240	29230
49-9098	Helpers--installation, maintenance, and repair workers	190	9.9	8.32	17300	1.7	6.29	6.86	7.90	9.41	11.35	13090	14260	16440	19570	23610
49-9099	Installation, maintenance, and repair workers, all other	50	7.3	13.02	27080	2.4	6.52	7.40	9.69	15.90	26.76	13560	15390	20150	33080	55650
51-0000	<b>Production occupations</b>	<b>1510</b>	<b>2.0</b>	<b>12.14</b>	<b>25250</b>	<b>1.2</b>	<b>6.45</b>	<b>7.21</b>	<b>10.11</b>	<b>16.20</b>	<b>20.38</b>	<b>13420</b>	<b>15000</b>	<b>21030</b>	<b>33690</b>	<b>42400</b>
51-1011	First-line supervisors/managers of production and operating workers	180	2.8	20.74	43130	1.9	13.54	17.18	19.84	24.44	29.54	28160	35740	41270	50830	61450
51-2041	Structural metal fabricators and fitters	40	2.1	13.72	28540	2.4	10.04	11.03	13.20	16.73	18.98	20880	23850	27460	34790	39480
51-3011	Bakers	150	2.0	8.13	16920	1.5	6.23	6.67	7.41	8.82	11.27	12960	13980	15400	18350	23440
51-3022	Meat, poultry, and fish cutters and trimmers	80	9.3	11.28	23460	2.0	6.73	8.01	9.72	13.52	19.64	14000	16670	20230	28120	40850
51-4121	Welders, cutters, solderers, and brazers	160	1.6	14.66	30500	1.3	10.58	12.74	14.46	16.47	19.07	22000	26500	30070	34250	39660
51-6011	Laundry and dry-cleaning workers	80	0.0	6.93	14420	2.3	6.14	6.44	6.94	7.44	7.78	12780	13400	14430	15470	16180
51-8013	Power plant operators	60	11.8	17.19	35760	5.0	10.92	14.26	17.31	19.38	23.41	22710	29850	36000	40310	48700
51-9061	Inspectors, testers, sorters, samplers, and weighers	30	10.2	13.66	28410	6.0	7.72	9.02	13.59	17.77	21.06	16060	18750	28260	36970	43810
51-9198	Helpers--production workers	160	3.5	7.39	15380	2.8	6.18	6.52								

OCC_CODE	OCC_TITLE	TOT_EMP	EMP_PRSE	H_MEAN	A_MEAN	MEAN_PRSE	H_PCT10	H_PCT25	H_MEDIAN	H_PCT75	H_PCT90	A_PCT10	A_PCT25	A_MEDIAN	A_PCT75	A_PCT90
53-5021	Captains, mates, and pilots of water vessels	60	12.1	19.48	40520	5.0	10.44	12.58	19.18	25.08	29.75	21710	26170	39900	52160	61880
53-6021	Parking lot attendants	60	16.4	7.08	14730	2.5	6.14	6.45	6.95	7.45	7.82	12780	13410	14460	15500	16270
53-6031	Service station attendants	120	2.8	6.83	14200	3.2	6.09	6.38	6.84	7.31	7.67	12680	13260	14240	15210	15950
53-7021	Crane and tower operators	40	1.7	16.25	33810	2.0	12.58	14.01	16.21	18.68	20.99	26180	29140	33730	38650	43650
53-7032	Excavating and loading machine and dragline operators	40	6.3	12.92	26880	2.3	9.89	11.84	13.38	14.59	15.32	20560	24620	27830	30350	31860
53-7051	Industrial truck and tractor operators	130	3.2	12.49	23980	1.7	7.03	8.67	12.31	15.22	19.31	14630	18040	25610	31660	40170
53-7061	Cleaners of vehicles and equipment	100	3.8	7.29	15170	2.3	6.16	6.50	7.08	7.72	9.21	12800	13520	14720	16050	19150
53-7062	Laborers and freight, stock, and material movers, hand	540	4.2	10.84	22540	1.8	6.53	7.40	9.41	13.17	18.17	13590	15390	19570	27390	37790
53-7064	Packers and packagers, hand	200	1.4	7.42	15430	1.6	6.17	6.53	7.12	7.83	9.66	12830	13580	14820	16280	20090
53-7081	Refuse and recyclable material collectors	130	7.1	9.59	19940	1.8	7.33	8.19	9.22	10.96	12.93	15250	17040	19180	22790	26900

NOTE: BOLD-PRIMARY GROUP