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## May 2017 National Industry-Specific Occupational Employment and Wage Estimates

## NAICS 212200 - Metal Ore Mining

These national industry-specific occupational employment and wage estimates are calculated with data collected from employers of all sizes, in metropolitan and nonmetropolitan areas in every state and the District of Columbia, in NAICS 212200 - Metal Ore Mining.

Additional information, including the hourly and annual 10th, 25 th, 75 th, and 90 th percentile wages, and the percent of establishments reporting the occupation, is available in the downloadable XLS files.

NAICS 212200 - Metal Ore Mining is part of: NAICS 212000 - Mining (except Oil and Gas).
Links to OES estimates for other industries
SOC Major Groups in NAICS 212200 - Metal Ore Mining:

- 00-0000 All Occupations
- 11-0000 Management Occupations
- 13-0000 Business and Financial Operations Occupations
- 15-0000 Computer and Mathematical Occupations
- 17-0000 Architecture and Engineering Occupations
- 19-0000 Life, Physical, and Social Science Occupations
- 29-0000 Healthcare Practitioners and Technical Occupations
- 33-0000 Protective Service Occupations
- 37-0000 Building and Grounds Cleaning and Maintenance Occupations
- 43-0000 Office and Administrative Support Occupations
- 47-0000 Construction and Extraction Occupations
- 49-0000 Installation, Maintenance, and Repair Occupations
- 51-0000 Production Occupations
- 53-0000 Transportation and Material Moving Occupations

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| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wag RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11-3000 | Operations Specialties Managers | minor | 430 | 16.1\% | 1.13\% | \$48.05 | \$50.43 | \$104,900 | 3.2\% |
| 11-3011 | Administrative Services Managers | detail | 90 | 21.0\% | 0.24\% | \$34.71 | \$40.12 | \$83,450 | 5.8\% |
| 11-3031 | Financial <br> Managers | detail | 50 | 18.1\% | 0.13\% | \$54.03 | \$59.52 | \$123,800 | 6.0\% |
| 11-3051 | Industrial <br> Production Managers | detail | 170 | 23.8\% | 0.45\% | \$47.19 | \$51.05 | \$106,190 | 3.3\% |
| 11-3121 | Human Resources Managers | detail | 40 | 13.6\% | 0.11\% | \$52.33 | \$55.71 | \$115,890 | 6.0\% |
| 11-9000 | Other <br> Management Occupations | minor | 270 | 12.3\% | 0.70\% | \$58.20 | \$58.61 | \$121,910 | 3.5\% |
| 11-9021 | Construction Managers | detail | 60 | 17.0\% | 0.15\% | \$50.15 | \$53.78 | \$111,860 | 7.3\% |
| 11-9041 | Architectural and Engineering Managers | detail | 60 | 15.3\% | 0.17\% | \$56.32 | \$55.24 | \$114,900 | 3.1\% |
| 11-9199 | Managers, All Other | detail | 140 | 21.1\% | 0.36\% | \$62.36 | \$62.90 | \$130,830 | 2.8\% |
| 13-0000 | Business and <br> Financial <br> Operations <br> Occupations | major | 880 | 20.9\% | 2.32\% | \$33.03 | \$34.07 | \$70,860 | 3.1\% |
| 13-1000 | Business <br> Operations <br> Specialists | minor | 740 | 23.2\% | 1.95\% | \$33.25 | \$34.11 | \$70,940 | 3.3\% |
| 13-1020 | Buyers and Purchasing Agents | broad | 170 | 18.5\% | 0.45\% | \$31.05 | \$31.05 | \$64,590 | 3.2\% |
| 13-1070 | Human Resources Workers | broad | 140 | 10.8\% | 0.37\% | \$31.48 | \$36.00 | \$74,880 | 4.7\% |
| 13-1071 | Human Resources Specialists | detail | 140 | 10.9\% | 0.37\% | \$31.38 | \$35.95 | \$74,780 | 4.7\% |
| 13-1081 | Logisticians | detail | (8) | (8) | (8) | \$30.98 | \$31.25 | \$64,990 | 3.8\% |
| 13-1151 | Training and Development Specialists | detail | 160 | 31.8\% | 0.41\% | \$34.65 | \$34.37 | \$71,480 | 3.6\% |
| 13-1199 | Business <br> Operations Specialists, All Other | detail | 60 | 16.1\% | 0.16\% | \$35.91 | \$35.86 | \$74,580 | 2.9\% |
| 13-2000 | Financial Specialists | minor | 140 | 12.8\% | 0.37\% | \$31.60 | \$33.88 | \$70,460 | 3.1\% |
| 13-2011 | Accountants and Auditors | detail | 140 | 12.9\% | 0.36\% | \$31.08 | \$33.39 | \$69,440 | 3.2\% |
| 15-0000 | Computer and Mathematical Occupations | major | 150 | 12.6\% | 0.40\% | \$34.24 | \$34.82 | \$72,430 | 3.6\% |
| 15-1100 | Computer <br> Occupations | minor | 150 | 13.2\% | 0.39\% | \$33.61 | \$34.17 | \$71,070 | 3.5\% |
| 15-1140 | Database and Systems Administrators and Network Architects | broad | 50 | 16.4\% | 0.14\% | \$39.15 | \$38.99 | \$81,090 | 5.9\% |
| 15-1142 | Network and <br> Computer Systems Administrators | detail | 40 | 19.8\% | 0.12\% | \$37.81 | \$38.29 | \$79,640 | 7.9\% |
| 15-1150 | Computer Support Specialists | broad | 60 | 21.5\% | 0.15\% | \$29.31 | \$29.40 | \$61,140 | 4.5\% |
| 15-1151 | Computer User Support Specialists | detail | 40 | 27.5\% | 0.11\% | \$26.89 | \$27.08 | \$56,320 | 5.2\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17-0000 | Architecture and Engineering Occupations | major | 2,330 | 9.0\% | 6.12\% | \$37.90 | \$40.47 | \$84,190 | 1.7\% |
| 17-1000 | Architects, Surveyors, and Cartographers | minor | 120 | 10.4\% | 0.32\% | \$32.55 | \$33.17 | \$68,980 | 2.8\% |
| 17-1020 | Surveyors, <br> Cartographers, and Photogrammetrists | broad | 120 | 10.4\% | 0.32\% | \$32.55 | \$33.17 | \$68,980 | 2.8\% |
| 17-1022 | Surveyors | detail | 120 | 10.5\% | 0.32\% | \$32.50 | \$33.15 | \$68,960 | 2.8\% |
| 17-2000 | Engineers | minor | 1,590 | 7.0\% | 4.16\% | \$42.70 | \$44.75 | \$93,070 | 1.8\% |
| 17-2051 | Civil Engineers | detail | 50 | 25.6\% | 0.12\% | \$38.75 | \$42.12 | \$87,600 | 4.2\% |
| 17-2070 | Electrical and Electronics Engineers | broad | 40 | 16.6\% | 0.10\% | \$50.70 | \$51.58 | \$107,280 | 2.9\% |
| 17-2071 | Electrical <br> Engineers | detail | 30 | 16.9\% | 0.09\% | \$51.13 | \$51.79 | \$107,720 | 3.0\% |
| 17-2081 | Environmental Engineers | detail | 140 | 9.8\% | 0.38\% | \$39.22 | \$41.19 | \$85,680 | 2.8\% |
| 17-2110 | Industrial Engineers, Including Health and Safety | broad | 120 | 14.1\% | 0.31\% | \$41.82 | \$42.30 | \$87,990 | 2.5\% |
| 17-2111 | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | detail | 40 | 26.8\% | 0.09\% | \$41.54 | \$41.26 | \$85,810 | 5.7\% |
| 17-2112 | Industrial Engineers | detail | 80 | 11.9\% | 0.22\% | \$41.90 | \$42.75 | \$88,910 | 2.7\% |
| 17-2131 | Materials <br> Engineers | detail | 180 | 16.5\% | 0.46\% | \$40.52 | \$42.62 | \$88,650 | 3.7\% |
| 17-2141 | Mechanical Engineers | detail | 140 | 24.2\% | 0.36\% | \$39.42 | \$40.90 | \$85,070 | 3.1\% |
| 17-2151 | Mining and Geological Engineers, Including Mining Safety Engineers | detail | 900 | 10.1\% | 2.36\% | \$44.18 | \$46.44 | \$96,600 | 2.3\% |
| 17-3000 | Drafters, <br> Engineering <br> Technicians, and <br> Mapping <br> Technicians | minor | 620 | 17.8\% | 1.64\% | \$31.07 | \$31.05 | \$64,580 | 2.8\% |
| 17-3020 | Engineering <br> Technicians, Except Drafters | broad | 580 | 18.2\% | 1.53\% | \$31.48 | \$31.37 | \$65,250 | 2.8\% |
| 17-3023 | Electrical and <br> Electronics <br> Engineering <br> Technicians | detail | 180 | 48.3\% | 0.46\% | \$34.78 | \$34.36 | \$71,470 | 3.1\% |
| 17-3025 | Environmental <br> Engineering <br> Technicians | detail | 100 | 20.2\% | 0.27\% | \$30.29 | \$31.27 | \$65,050 | 4.0\% |
| 17-3029 | Engineering <br> Technicians, Except Drafters, All Other | detail | 140 | 26.0\% | 0.36\% | \$27.06 | \$27.24 | \$56,650 | 3.4\% |
| 17-3031 | Surveying and Mapping Technicians | detail | 30 | 20.2\% | 0.08\% | \$27.07 | \$26.62 | \$55,360 | 3.8\% |
| 19-0000 | Life, Physical, and Social Science | major | 1,440 | 7.7\% | 3.79\% | \$32.53 | \$33.78 | \$70,260 | 1.7\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) <br> Occupations | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wag RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19-2000 | Physical Scientists | minor | 540 | 7.5\% | 1.43\% | \$39.89 | \$41.49 | \$86,300 | 1.9\% |
| 19-2030 | Chemists and <br> Materials <br> Scientists | broad | 80 | 16.7\% | 0.21\% | \$34.71 | \$35.28 | \$73,390 | 4.1\% |
| 19-2031 | Chemists | detail | 70 | 16.6\% | 0.19\% | \$33.40 | \$33.82 | \$70,350 | 4.3\% |
| 19-2040 | Environmental Scientists and Geoscientists | broad | 460 | 9.4\% | 1.21\% | \$40.81 | \$42.63 | \$88,670 | 2.1\% |
| 19-2041 | Environmental <br> Scientists and <br> Specialists, <br> Including Health | detail | 50 | 10.7\% | 0.14\% | \$39.80 | \$43.01 | \$89,460 | 4.8\% |
| 19-2042 | Geoscientists, <br> Except <br> Hydrologists and Geographers | detail | 390 | 9.8\% | 1.03\% | \$41.00 | \$42.68 | \$88,780 | 2.1\% |
| 19-4000 | Life, Physical, and Social Science Technicians | minor | 900 | 9.1\% | 2.35\% | \$28.68 | \$29.09 | \$60,510 | 2.7\% |
| 19-4031 | Chemical Technicians | detail | 630 | 12.0\% | 1.64\% | \$28.24 | \$28.15 | \$58,550 | 2.5\% |
| 19-4041 | Geological and Petroleum Technicians | detail | 190 | 12.5\% | 0.50\% | \$28.62 | \$29.39 | \$61,130 | 4.3\% |
| 19-4090 | Miscellaneous Life, Physical, and Social Science Technicians | broad | 70 | 12.6\% | 0.19\% | (8) | (8) | (8) | (8) |
| 29-0000 | Healthcare Practitioners and Technical Occupations | major | 240 | 14.9\% | 0.63\% | \$36.54 | \$38.59 | \$80,260 | 2.6\% |
| 29-9000 | Other Healthcare Practitioners and Technical Occupations | minor | 210 | 14.8\% | 0.55\% | \$37.29 | \$39.92 | \$83,030 | 2.7\% |
| 29-9010 | Occupational Health and Safety Specialists and Technicians | broad | 210 | 14.8\% | 0.55\% | \$37.29 | \$39.92 | \$83,030 | 2.7\% |
| 29-9011 | Occupational <br> Health and Safety <br> Specialists | detail | 150 | 15.8\% | 0.41\% | \$39.13 | \$41.54 | \$86,400 | 2.1\% |
| 29-9012 | Occupational <br> Health and Safety <br> Technicians | detail | 50 | 18.5\% | 0.14\% | \$29.24 | \$35.18 | \$73,180 | 8.9\% |
| 33-0000 | Protective <br> Service Occupations | major | 260 | 19.1\% | 0.67\% | \$17.63 | \$19.70 | \$40,970 | 5.8\% |
| 33-9000 | Other Protective Service Workers | minor | 240 | 17.1\% | 0.62\% | \$16.94 | \$18.90 | \$39,310 | 6.3\% |
| 33-9030 | Security Guards and Gaming Surveillance Officers | broad | 240 | 17.2\% | 0.62\% | \$16.90 | \$18.79 | \$39,080 | 6.4\% |
| 33-9032 | Security Guards | detail | 240 | 17.2\% | 0.62\% | \$16.90 | \$18.79 | \$39,080 | 6.4\% |
| 37-0000 | Building and Grounds <br> Cleaning and Maintenance Occupations | major | 80 | 12.3\% | 0.20\% | \$21.19 | \$19.42 | \$40,400 | 5.9\% |
| 37-2000 | Building Cleaning and Pest Control Workers | minor | 70 | 11.9\% | 0.19\% | \$21.02 | \$18.96 | \$39,440 | 6.1\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 37-2010 | Building Cleaning Workers | broad | 70 | 11.9\% | 0.19\% | \$21.02 | \$18.96 | \$39,440 | 6.1\% |
| 37-2011 | Janitors and Cleaners, Except <br> Maids and Housekeeping Cleaners | detail | 70 | 11.9\% | 0.19\% | \$21.02 | \$18.96 | \$39,440 | 6.1\% |
| 43-0000 | Office and <br> Administrative <br> Support <br> Occupations | major | 1,110 | 10.5\% | 2.91\% | \$21.27 | \$22.08 | \$45,930 | 2.9\% |
| 43-1011 | First-Line <br> Supervisors of <br> Office and <br> Administrative <br> Support Workers | detail | 40 | 22.1\% | 0.10\% | \$29.78 | \$29.57 | \$61,500 | 4.5\% |
| 43-3000 | Financial Clerks | minor | 130 | 27.1\% | 0.35\% | \$23.54 | \$23.40 | \$48,660 | 4.4\% |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | detail | 90 | 37.6\% | 0.24\% | \$26.19 | \$25.14 | \$52,290 | 4.2\% |
| 43-3051 | Payroll and <br> Timekeeping <br> Clerks | detail | 40 | 23.0\% | 0.09\% | \$17.98 | \$18.60 | \$38,690 | 6.6\% |
| 43-4000 | Information and Record Clerks | minor | 40 | 19.6\% | 0.10\% | \$19.55 | \$19.49 | \$40,540 | 4.8\% |
| 43-5000 | Material Recording, Scheduling, Dispatching, and Distributing Workers | minor | 480 | 14.0\% | 1.26\% | \$20.56 | \$21.61 | \$44,960 | 4.5\% |
| 43-5030 | Dispatchers | broad | 40 | 35.5\% | 0.11\% | \$24.55 | \$25.66 | \$53,370 | 7.4\% |
| 43-5032 | Dispatchers, Except Police, Fire, and Ambulance | detail | 40 | 35.5\% | 0.11\% | \$24.55 | \$25.66 | \$53,370 | 7.4\% |
| 43-5061 | Production, <br> Planning, and Expediting Clerks | detail | 100 | 34.4\% | 0.26\% | \$27.52 | \$27.26 | \$56,700 | 5.8\% |
| 43-5071 | Shipping, <br> Receiving, and Traffic Clerks | detail | 100 | 21.1\% | 0.26\% | \$20.14 | \$20.09 | \$41,780 | 4.8\% |
| 43-5081 | Stock Clerks and Order Fillers | detail | 230 | 15.8\% | 0.61\% | \$17.46 | \$19.27 | \$40,090 | 7.6\% |
| 43-6010 | Secretaries and Administrative Assistants | broad | 210 | 13.9\% | 0.56\% | \$22.87 | \$23.38 | \$48,630 | 3.3\% |
| 43-6011 | Executive <br> Secretaries and <br> Executive <br> Administrative <br> Assistants | detail | 40 | 21.8\% | 0.10\% | \$28.42 | \$29.45 | \$61,270 | 7.1\% |
| 43-6014 | Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | detail | 180 | 15.1\% | 0.46\% | \$22.21 | \$22.10 | \$45,970 | 3.4\% |
| 43-9000 | Other Office and Administrative Support Workers | minor | 210 | 20.0\% | 0.54\% | \$18.51 | \$20.07 | \$41,740 | 3.9\% |
| 43-9061 | Office Clerks, General | detail | 200 | 21.2\% | 0.51\% | \$18.83 | \$20.32 | \$42,260 | 4.1\% |
| 47-0000 | Construction and Extraction Occupations | major | 12,130 | 9.7\% | 31.82\% | \$28.74 | \$29.24 | \$60,820 | 2.0\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47-1011 | First-Line <br> Supervisors of Construction Trades and Extraction Workers | detail | 850 | 5.7\% | 2.24\% | \$39.93 | \$39.26 | \$81,650 | 3.4\% |
| 47-2000 | Construction Trades Workers | minor | 2,780 | 18.2\% | 7.31\% | \$28.53 | \$28.60 | \$59,480 | 2.1\% |
| 47-2061 | Construction <br> Laborers | detail | (8) | (8) | (8) | \$20.77 | \$20.78 | \$43,230 | 4.4\% |
| 47-2070 | Construction Equipment Operators | broad | 1,340 | 32.6\% | 3.51\% | \$26.52 | \$26.69 | \$55,520 | 2.9\% |
| 47-2073 | Operating <br> Engineers and Other <br> Construction <br> Equipment <br> Operators | detail | 1,340 | 32.6\% | 3.51\% | \$26.52 | \$26.69 | \$55,520 | 2.9\% |
| 47-2111 | Electricians | detail | 1,110 | 11.0\% | 2.92\% | \$31.42 | \$30.78 | \$64,030 | 2.3\% |
| 47-2150 | Pipelayers, Plumbers, Pipefitters, and Steamfitters | broad | 130 | 1.7\% | 0.33\% | \$36.42 | \$36.21 | \$75,310 | 4.4\% |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | detail | 130 | 1.7\% | 0.33\% | \$36.42 | \$36.21 | \$75,310 | 4.4\% |
| 47-5000 | Extraction Workers | minor | 8,460 | 10.1\% | 22.19\% | \$28.26 | \$28.44 | \$59,160 | 2.3\% |
| 47-5021 | Earth Drillers, <br> Except Oil and Gas | detail | 480 | 16.0\% | 1.25\% | \$27.80 | \$29.89 | \$62,160 | 6.9\% |
| 47-5031 | Explosives <br> Workers, <br> Ordnance <br> Handling Experts, and Blasters | detail | 610 | 5.3\% | 1.59\% | \$34.79 | \$34.05 | \$70,820 | 3.6\% |
| 47-5040 | Mining Machine Operators | broad | 6,380 | 13.4\% | 16.74\% | \$28.07 | \$28.11 | \$58,460 | 2.2\% |
| 47-5041 | Continuous Mining Machine Operators | detail | 3,670 | 19.2\% | 9.62\% | \$27.96 | \$28.19 | \$58,640 | 2.2\% |
| 47-5042 | Mine Cutting and Channeling Machine Operators | detail | (8) | (8) | (8) | \$30.95 | \$30.57 | \$63,580 | 2.4\% |
| 47-5049 | Mining Machine Operators, All Other | detail | 1,110 | 26.0\% | 2.91\% | \$24.22 | \$24.25 | \$50,440 | 3.6\% |
| 47-5061 | Roof Bolters, Mining | detail | 120 | 20.5\% | 0.32\% | \$38.11 | \$39.33 | \$81,810 | 8.5\% |
| 47-5081 | Helpers-- <br> Extraction <br> Workers | detail | 370 | 19.9\% | 0.98\% | \$20.20 | \$20.65 | \$42,950 | 4.5\% |
| 47-5099 | Extraction <br> Workers, All Other | detail | 440 | 25.5\% | 1.15\% | \$29.00 | \$27.95 | \$58,140 | 5.1\% |
| 49-0000 | Installation, Maintenance, and Repair Occupations | major | 8,510 | 6.8\% | 22.33\% | \$27.73 | \$28.15 | \$58,540 | 3.0\% |
| 49-1011 | First-Line <br> Supervisors of Mechanics, Installers, and Repairers | detail | 740 | 15.4\% | 1.95\% | \$41.03 | \$40.29 | \$83,800 | 3.7\% |
| 49-2000 | Electrical and <br> Electronic <br> Equipment <br> Mechanics, | minor | 130 | 37.9\% | 0.34\% | \$29.23 | \$29.61 | \$61,580 | 3.8\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) <br> Installers, and Repairers | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49-2090 | Miscellaneous <br> Electrical and <br> Electronic <br> Equipment <br> Mechanics, <br> Installers, and <br> Repairers | broad | 120 | 39.5\% | 0.33\% | \$28.95 | \$29.39 | \$61,140 | 4.4\% |
| 49-2094 | Electrical and <br> Electronics <br> Repairers, <br> Commercial and <br> Industrial <br> Equipment | detail | 120 | 39.5\% | 0.33\% | \$28.95 | \$29.39 | \$61,140 | 4.4\% |
| 49-3000 | Vehicle and Mobile <br> Equipment <br> Mechanics, <br> Installers, and <br> Repairers | minor | 2,730 | 8.3\% | 7.17\% | \$27.85 | \$27.74 | \$57,690 | 3.2\% |
| 49-3031 | Bus and Truck Mechanics and Diesel Engine Specialists | detail | 520 | 49.4\% | 1.37\% | \$24.31 | \$23.84 | \$49,580 | 5.6\% |
| 49-3040 | Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics | broad | 2,140 | 8.1\% | 5.61\% | \$28.91 | \$28.76 | \$59,810 | 2.7\% |
| 49-3042 | Mobile Heavy <br> Equipment <br> Mechanics, Except <br> Engines | detail | 2,140 | 8.1\% | 5.61\% | \$28.91 | \$28.76 | \$59,810 | 2.7\% |
| 49-3090 | Miscellaneous <br> Vehicle and Mobile <br> Equipment <br> Mechanics, <br> Installers, and Repairers | broad | 60 | 21.2\% | 0.15\% | \$26.11 | \$25.15 | \$52,310 | 10.6\% |
| 49-3093 | Tire Repairers and Changers | detail | 60 | 21.2\% | 0.15\% | \$26.11 | \$25.15 | \$52,310 | 10.6\% |
| 49-9000 | Other Installation, Maintenance, and Repair Occupations | minor | 4,910 | 7.9\% | 12.88\% | \$26.06 | \$26.50 | \$55,120 | 3.6\% |
| 49-9040 | Industrial <br> Machinery <br> Installation, <br> Repair, and <br> Maintenance <br> Workers | broad | 3,070 | 9.6\% | 8.07\% | \$28.27 | \$28.55 | \$59,370 | 3.1\% |
| 49-9041 | Industrial <br> Machinery <br> Mechanics | detail | 2,450 | 10.2\% | 6.43\% | \$29.02 | \$29.33 | \$61,010 | 3.3\% |
| 49-9043 | Maintenance <br> Workers, Machinery | detail | 410 | 21.6\% | 1.08\% | \$22.38 | \$23.47 | \$48,820 | 3.7\% |
| 49-9044 | Millwrights | detail | 210 | 20.9\% | 0.56\% | \$31.24 | \$29.31 | \$60,970 | 6.1\% |
| 49-9071 | Maintenance and Repair Workers, General | detail | $1,080$ | 37.9\% | 2.83\% | \$22.24 | \$23.82 | \$49,540 | 6.4\% |
| 49-9090 | Miscellaneous <br> Installation, Maintenance, and Repair Workers | broad | 740 | 29.7\% | 1.94\% | \$18.65 | \$21.79 | \$45,310 | 9.4\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49-9098 | Helpers-- <br> Installation, <br> Maintenance, and Repair Workers | detail | 520 | 41.8\% | 1.36\% | \$16.07 | \$17.43 | \$36,250 | 8.8\% |
| 49-9099 | Installation, <br> Maintenance, and Repair Workers, All Other | detail | 220 | 13.1\% | 0.57\% | \$33.92 | \$32.11 | \$66,800 | 7.6\% |
| 51-0000 | Production Occupations | major | 5,260 | 13.5\% | 13.81\% | \$24.93 | \$26.29 | \$54,690 | 2.6\% |
| 51-1011 | First-Line <br> Supervisors of Production and Operating Workers | detail | 960 | 12.0\% | 2.52\% | \$31.34 | \$33.79 | \$70,290 | 4.7\% |
| 51-4000 | Metal Workers and Plastic Workers | minor | 1,140 | 19.4\% | 2.99\% | \$25.11 | \$25.95 | \$53,970 | 4.9\% |
| 51-4030 | Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic | broad | (8) | (8) | (8) | \$23.58 | \$24.39 | \$50,740 | 7.1\% |
| 51-4035 | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic | detail | 450 | 34.1\% | 1.17\% | \$22.93 | \$23.48 | \$48,840 | 7.4\% |
| 51-4041 | Machinists | detail | 40 | 19.1\% | 0.11\% | \$24.00 | \$25.09 | \$52,180 | 5.6\% |
| 51-4120 | Welding, Soldering, and Brazing Workers | broad | 510 | 19.7\% | 1.34\% | \$26.93 | \$27.21 | \$56,600 | 5.7\% |
| 51-4121 | Welders, Cutters, Solderers, and Brazers | detail | 510 | 19.7\% | 1.34\% | \$26.93 | \$27.21 | \$56,600 | 5.7\% |
| 51-4190 | Miscellaneous <br> Metal Workers and Plastic Workers | broad | (8) | (8) | (8) | \$18.74 | \$18.86 | \$39,220 | 4.2\% |
| 51-8000 | Plant and System Operators | minor | 370 | 9.5\% | 0.96\% | \$30.96 | \$30.13 | \$62,660 | 3.1\% |
| 51-8031 | Water and Wastewater Treatment Plant and System Operators | detail | 120 | 10.0\% | 0.30\% | \$29.15 | \$29.03 | \$60,380 | 4.1\% |
| 51-8090 | Miscellaneous Plant and System Operators | broad | 200 | 15.3\% | 0.54\% | \$30.19 | \$29.77 | \$61,920 | 5.4\% |
| 51-8099 | Plant and System Operators, All Other | detail | 200 | 15.3\% | 0.54\% | \$30.19 | \$29.77 | \$61,920 | 5.4\% |
| 51-9000 | Other Production Occupations | minor | 2,800 | 15.7\% | 7.34\% | \$22.88 | \$23.36 | \$48,600 | 3.1\% |
| 51-9010 | Chemical <br> Processing <br> Machine Setters, Operators, and Tenders | broad | 930 | 15.6\% | 2.44\% | \$25.92 | \$25.86 | \$53,800 | 4.7\% |
| 51-9012 | Separating, <br> Filtering, <br> Clarifying, <br> Precipitating, and <br> Still Machine <br> Setters, <br> Operators, and <br> Tenders | detail | 930 | 15.6\% | 2.44\% | \$25.92 | \$25.86 | \$53,800 | 4.7\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 51-9020 | Crushing, <br> Grinding, Polishing, Mixing, and Blending Workers | broad | 760 | 21.4\% | 2.00\% | \$23.04 | \$24.13 | \$50,200 | 5.9\% |
| 51-9021 | Crushing, <br> Grinding, and <br> Polishing Machine <br> Setters, <br> Operators, and <br> Tenders | detail | 760 | 21.4\% | 1.99\% | \$23.03 | \$24.11 | \$50,160 | 5.9\% |
| 51-9051 | Furnace, Kiln, <br> Oven, Drier, and Kettle Operators and Tenders | detail | 500 | 40.1\% | 1.30\% | \$22.58 | \$22.00 | \$45,760 | 6.5\% |
| 51-9061 | Inspectors, <br> Testers, Sorters, <br> Samplers, and <br> Weighers | detail | (8) | (8) | (8) | \$20.23 | \$19.98 | \$41,550 | 3.4\% |
| 51-9190 | Miscellaneous Production Workers | broad | (8) | (8) | (8) | \$17.93 | \$19.49 | \$40,540 | 9.5\% |
| 51-9198 | Helpers-- <br> Production Workers | detail | 240 | 48.5\% | 0.64\% | \$14.68 | \$15.83 | \$32,930 | 5.7\% |
| 51-9199 | Production <br> Workers, All Other | detail | (8) | (8) | (8) | \$26.72 | \$27.01 | \$56,180 | 5.5\% |
| 53-0000 | Transportation and Material Moving Occupations | major | 4,530 | 11.1\% | 11.90\% | \$24.11 | \$24.70 | \$51,370 | 2.8\% |
| 53-1000 | Supervisors of <br> Transportation and Material Moving Workers | minor | 320 | 39.5\% | 0.83\% | \$28.57 | \$29.02 | \$60,360 | 4.5\% |
| 53-1048 | First-Line <br> Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors | detail | 310 | 39.6\% | 0.83\% | \$28.53 | \$29.01 | \$60,330 | 4.5\% |
| 53-3000 | Motor Vehicle Operators | minor | 2,760 | 11.1\% | 7.23\% | \$23.70 | \$24.61 | \$51,190 | 3.6\% |
| 53-3030 | Driver/Sales Workers and Truck Drivers | broad | 2,760 | 11.1\% | 7.23\% | \$23.70 | \$24.61 | \$51,190 | 3.6\% |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | detail | 2,740 | 11.1\% | 7.18\% | \$23.72 | \$24.64 | \$51,250 | 3.7\% |
| 53-7000 | Material Moving Workers | minor | 1,450 | 10.2\% | 3.80\% | \$24.30 | \$23.79 | \$49,490 | 3.9\% |
| 53-7030 | Dredge, Excavating, and Loading Machine Operators | broad | 640 | 21.6\% | 1.67\% | \$27.60 | \$27.00 | \$56,170 | 3.6\% |
| 53-7032 | Excavating and Loading Machine and Dragline Operators | detail | 340 | 30.9\% | 0.90\% | \$24.98 | \$26.19 | \$54,480 | 6.2\% |
| 53-7033 | Loading Machine Operators, Underground Mining | detail | 290 | 22.3\% | 0.76\% | \$28.63 | \$28.01 | \$58,270 | 3.1\% |


| Occupation code | Occupation title (click on the occupation title to view an occupational profile) | Group | Employment | Employment RSE | Percent of total employment | Median hourly wage | Mean hourly wage | Annual mean wage | Mear wage RSE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 53-7051 | Industrial Truck and Tractor Operators | detail | 140 | 21.8\% | 0.36\% | \$26.05 | \$25.73 | \$53,510 | 4.7\% |
| 53-7060 | Laborers and Material Movers, Hand | broad | 510 | 21.8\% | 1.34\% | \$17.16 | \$17.89 | \$37,210 | 5.4\% |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | detail | 500 | 22.3\% | 1.31\% | \$17.32 | \$18.03 | \$37,500 | 5.7\% |

Showing 1 to 166 of 166 entries

## About May 2017 National Industry-Specific 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 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.
(8) Estimate not released.

Other OES estimates and related information:

May 2017 National Occupational Employment and Wage Estimates (cross-industry estimates)
May 2017 State Occupational Employment and Wage Estimates (cross-industry estimates)
May 2017 Metropolitan and Nonmetropolitan Area Occupational Employment and Wage Estimates (cross-industry estimates)

May 2017 National Industry-Specific Occupational Employment and Wage Estimates
May 2017 Occupation Profiles
Technical notes

Last Modified Date: March 30, 2018

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