



MISSISSIPPI DEPARTMENT of EMPLOYMENT SECURITY

*Helping Mississippians Get Jobs*

## Hattiesburg MSA

# 2015

## Occupational Employment and Wage Estimates

Created by the  
**Labor Market Information Department**

*in cooperation with the  
U. S. Bureau of Labor Statistics*

# *Occupational Employment and Wage Estimates* 2015

## Hattiesburg MSA

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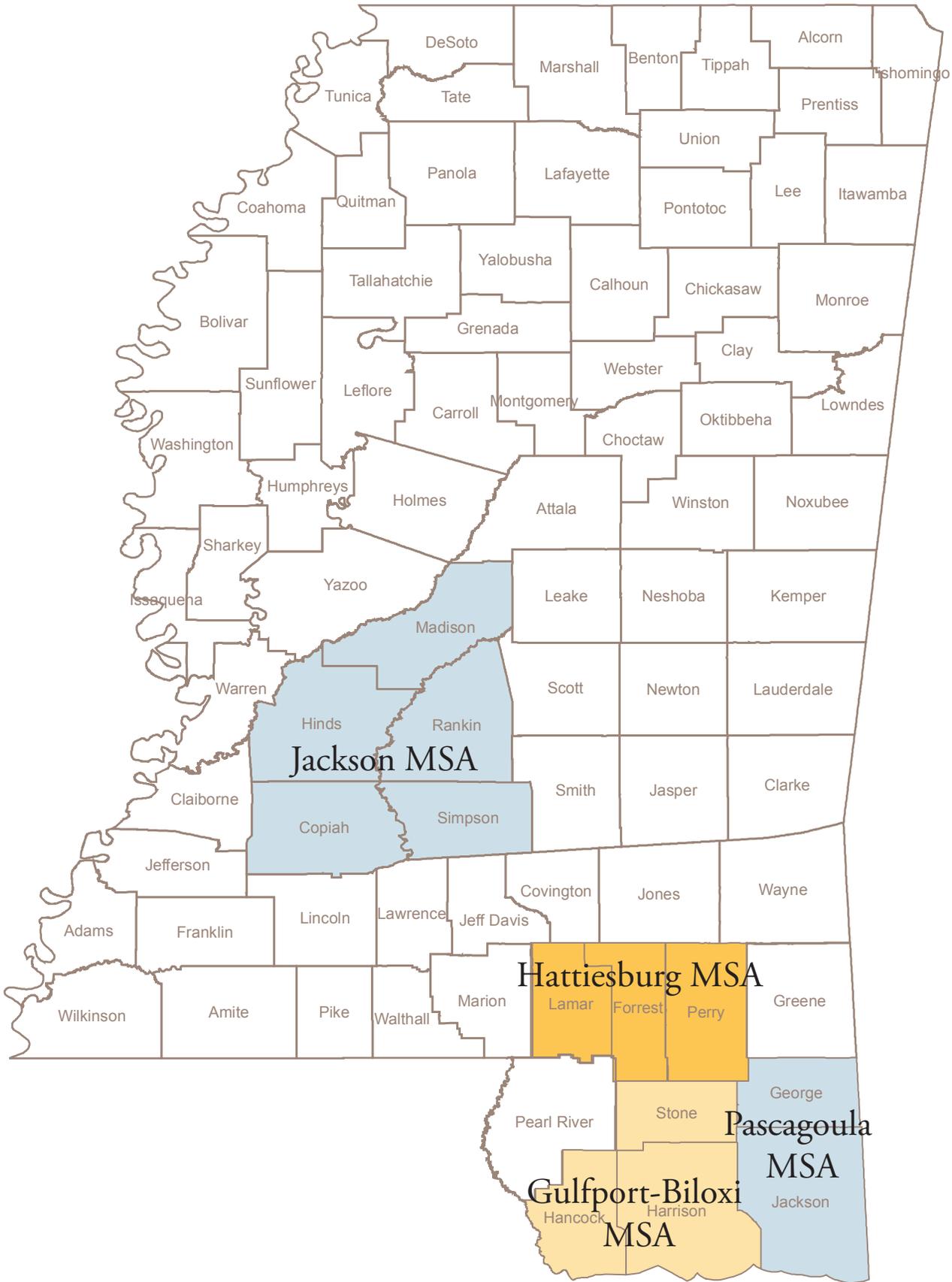
NOTE: The Hattiesburg Metropolitan Statistical Area represents the following counties:

**Forrest, Lamar and Perry**

Resources	Link
<i>Glossary</i>	BLS website
<i>Occupation Definitions</i>	BLS website

*Map on following pages show counties included in the MSAs.*

**This data is based on the survey panels collected over a 3-year period ending with the May 2014 panel.**



**Jackson MSA**

**Hattiesburg MSA**

**Gulfport-Biloxi MSA**

**Pascagoula MSA**

SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
00-0000	Total all occupations	56,350	\$16.95	\$35,250	\$8.36	\$17,400	\$21.24	\$44,180
11-0000	Management Occupations	2,460	\$36.19	\$75,270	\$16.91	\$35,170	\$45.83	\$95,320
11-1011	Chief Executives	50	\$61.78	\$128,500	\$20.45	\$42,540	\$82.44	\$171,480
11-1021	General and Operations Managers	1,030	\$42.41	\$88,210	\$19.97	\$41,540	\$53.63	\$111,540
11-1031	Legislators	70	N/A	\$24,850	N/A	\$16,980	N/A	\$28,790
11-2021	Marketing Managers	20	\$42.09	\$87,540	\$12.74	\$26,500	\$56.76	\$118,060
11-2022	Sales Managers	80	\$33.97	\$70,660	\$18.62	\$38,730	\$41.65	\$86,630
11-2031	Public Relations and Fundraising Managers	20	\$40.57	\$84,390	\$22.62	\$47,050	\$49.55	\$103,060
11-3011	Administrative Services Managers	220	\$20.49	\$42,620	\$15.13	\$31,470	\$23.17	\$48,190
11-3021	Computer and Information Systems Managers	40	\$31.99	\$66,540	\$24.07	\$50,070	\$35.95	\$74,770
11-3031	Financial Managers	160	\$33.75	\$70,190	\$21.63	\$45,000	\$39.80	\$82,790
11-3051	Industrial Production Managers	20	\$36.94	\$76,830	\$26.40	\$54,910	\$42.21	\$87,790
11-3071	Transportation, Storage, and Distribution Managers	30	\$28.34	\$58,950	\$19.25	\$40,050	\$32.88	\$68,400
11-3121	Human Resources Managers	30	\$35.76	\$74,390	\$17.95	\$37,330	\$44.67	\$92,920
11-9021	Construction Managers	110	\$36.78	\$76,500	\$21.18	\$44,060	\$44.58	\$92,720
11-9031	Education Administrators, Preschool and Childcare Center/Program	20	\$25.84	\$53,750	\$20.02	\$41,650	\$28.75	\$59,800
11-9032	Education Administrators, Elementary and Secondary School	110	N/A	\$68,480	N/A	\$49,350	N/A	\$78,040
11-9033	Education Administrators, Postsecondary	80	\$56.96	\$118,480	\$28.82	\$59,940	\$71.03	\$147,750
11-9041	Architectural and Engineering Managers	20	\$47.45	\$98,690	\$40.50	\$84,250	\$50.92	\$105,910
11-9051	Food Service Managers	70	\$21.94	\$45,640	\$13.82	\$28,740	\$26.00	\$54,080
11-9081	Lodging Managers	20	\$20.64	\$42,930	\$15.19	\$31,600	\$23.36	\$48,600
11-9111	Medical and Health Services Managers	130	\$30.96	\$64,400	\$18.43	\$38,330	\$37.23	\$77,440
11-9141	Property, Real Estate, and Community Association Managers	80	\$22.01	\$45,770	\$11.62	\$24,160	\$27.20	\$56,580
11-9151	Social and Community Service Managers	20	\$25.17	\$52,350	\$14.41	\$29,970	\$30.55	\$63,540
13-0000	Business and Financial Operations Occupations	1,160	\$25.07	\$52,140	\$13.47	\$28,020	\$30.86	\$64,200

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NOTE: Wage estimates are produced in cooperation with the U.S. Bureau of Labor Statistics. Totals may not add due to rounding and confidentiality suppressions.

SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	60	\$22.00	\$45,770	\$13.27	\$27,610	\$26.37	\$54,850
13-1031	Claims Adjusters, Examiners, and Investigators	40	\$32.54	\$67,690	\$25.04	\$52,070	\$36.30	\$75,500
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	80	\$24.27	\$50,470	\$12.68	\$26,370	\$30.06	\$62,520
13-1051	Cost Estimators	50	\$24.50	\$50,960	\$15.30	\$31,820	\$29.10	\$60,520
13-1071	Human Resources Specialists	150	\$18.05	\$37,550	\$13.01	\$27,070	\$20.57	\$42,790
13-1081	Logisticians	N/A	\$24.48	\$50,910	\$21.48	\$44,680	\$25.98	\$54,030
13-1111	Management Analysts	20	\$25.88	\$53,830	\$18.53	\$38,540	\$29.56	\$61,480
13-1151	Training and Development Specialists	30	\$22.36	\$46,500	\$14.74	\$30,660	\$26.16	\$54,420
13-1161	Market Research Analysts and Marketing Specialists	20	N/A	N/A	N/A	N/A	N/A	N/A
13-1199	Business Operations Specialists, All Other	90	\$27.74	\$57,700	\$19.10	\$39,720	\$32.06	\$66,690
13-2011	Accountants and Auditors	180	\$25.56	\$53,170	\$16.77	\$34,880	\$29.96	\$62,320
13-2021	Appraisers and Assessors of Real Estate	30	\$18.58	\$38,650	\$10.04	\$20,880	\$22.85	\$47,540
13-2052	Personal Financial Advisors	30	N/A	N/A	N/A	N/A	N/A	N/A
13-2072	Loan Officers	190	\$35.66	\$74,180	\$19.04	\$39,590	\$43.97	\$91,470
13-2081	Tax Examiners and Collectors, and Revenue Agents	20	\$23.19	\$48,230	\$11.94	\$24,840	\$28.81	\$59,930
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>420</b>	<b>\$26.96</b>	<b>\$56,070</b>	<b>\$16.14</b>	<b>\$33,570</b>	<b>\$32.37</b>	<b>\$67,320</b>
15-1121	Computer Systems Analysts	70	\$29.80	\$61,990	\$18.04	\$37,530	\$35.68	\$74,220
15-1122	Information Security Analysts	N/A	\$28.51	\$59,310	\$20.59	\$42,830	\$32.48	\$67,550
15-1131	Computer Programmers	40	\$31.35	\$65,210	\$21.68	\$45,090	\$36.19	\$75,270
15-1133	Software Developers, Systems Software	30	\$28.99	\$60,300	\$21.05	\$43,780	\$32.96	\$68,560
15-1142	Network and Computer Systems Administrators	60	\$34.06	\$70,850	\$22.30	\$46,390	\$39.95	\$83,090
15-1143	Computer Network Architects	20	\$27.47	\$57,130	\$17.28	\$35,940	\$32.56	\$67,730
15-1151	Computer User Support Specialists	100	\$17.78	\$36,990	\$12.04	\$25,040	\$20.65	\$42,960
15-1152	Computer Network Support Specialists	30	\$19.46	\$40,470	\$12.31	\$25,600	\$23.03	\$47,910
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>370</b>	<b>\$30.10</b>	<b>\$62,620</b>	<b>\$15.58</b>	<b>\$32,410</b>	<b>\$37.37</b>	<b>\$77,720</b>

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
17-2051	Civil Engineers	40	\$35.79	\$74,440	\$25.02	\$52,040	\$41.18	\$85,640
17-2071	Electrical Engineers	20	\$36.03	\$74,930	\$33.31	\$69,290	\$37.38	\$77,760
17-2081	Environmental Engineers	N/A	\$42.50	\$88,410	\$25.85	\$53,770	\$50.83	\$105,720
17-2141	Mechanical Engineers	30	\$33.07	\$68,780	\$18.49	\$38,460	\$40.36	\$83,940
17-2171	Petroleum Engineers	N/A	\$45.16	\$93,940	\$34.93	\$72,650	\$50.28	\$104,590
17-3011	Architectural and Civil Drafters	20	\$24.62	\$51,200	\$17.40	\$36,190	\$28.23	\$58,710
17-3022	Civil Engineering Technicians	50	\$16.07	\$33,420	\$12.25	\$25,490	\$17.98	\$37,390
17-3031	Surveying and Mapping Technicians	30	\$17.17	\$35,720	\$9.21	\$19,150	\$21.16	\$44,010
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>220</b>	<b>\$23.81</b>	<b>\$49,520</b>	<b>\$14.99</b>	<b>\$31,170</b>	<b>\$28.22</b>	<b>\$58,690</b>
19-1031	Conservation Scientists	20	\$23.25	\$48,370	\$18.96	\$39,440	\$25.40	\$52,830
19-2041	Environmental Scientists and Specialists, Including Health	60	\$22.45	\$46,700	\$16.71	\$34,750	\$25.32	\$52,670
19-3031	Clinical, Counseling, and School Psychologists	30	\$32.90	\$68,430	\$22.38	\$46,550	\$38.16	\$79,370
19-4031	Chemical Technicians	20	N/A	N/A	N/A	N/A	N/A	N/A
19-4093	Forest and Conservation Technicians	20	\$16.24	\$33,770	\$7.98	\$16,590	\$20.37	\$42,360
<b>21-0000</b>	<b>Community and Social Services Occupations</b>	<b>540</b>	<b>\$18.07</b>	<b>\$37,580</b>	<b>\$12.74</b>	<b>\$26,510</b>	<b>\$20.73</b>	<b>\$43,120</b>
21-1012	Educational, Guidance, School, and Vocational Counselors	90	\$21.39	\$44,500	\$14.51	\$30,180	\$24.84	\$51,660
21-1021	Child, Family, and School Social Workers	120	\$16.09	\$33,460	\$13.26	\$27,580	\$17.50	\$36,400
21-1022	Healthcare Social Workers	80	\$19.97	\$41,540.00	\$16.14	\$33,570.00	\$21.89	\$45,520.00
21-1091	Health Educators	30	\$23.28	\$48,410	\$15.58	\$32,410	\$27.12	\$56,410
21-1093	Social and Human Service Assistants	40	\$15.40	\$32,020	\$11.43	\$23,780	\$17.38	\$36,150
21-1094	Community Health Workers	N/A	\$19.70	\$40,970	\$12.07	\$25,100	\$23.52	\$48,910
<b>23-0000</b>	<b>Legal Occupations</b>	<b>240</b>	<b>\$33.08</b>	<b>\$68,810</b>	<b>\$14.03</b>	<b>\$29,180</b>	<b>\$42.61</b>	<b>\$88,620</b>
23-1011	Lawyers	110	\$42.06	\$87,480	\$16.80	\$34,950	\$54.68	\$113,740
23-1023	Judges, Magistrate Judges, and Magistrates	20	\$21.13	\$43,950	\$8.11	\$16,870	\$27.64	\$57,490
23-2011	Paralegals and Legal Assistants	60	\$23.93	\$49,770	\$17.13	\$35,630	\$27.33	\$56,840

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>4,190</b>	<b>\$19.63</b>	<b>\$40,830</b>	<b>\$8.66</b>	<b>\$18,020</b>	<b>\$25.11</b>	<b>\$52,240</b>
25-1194	Vocational Education Teachers, Postsecondary	140	\$16.27	\$33,840	\$12.43	\$25,860	\$18.19	\$37,840
25-2011	Preschool Teachers, Except Special Education	N/A	\$9.70	\$20,170	\$8.33	\$17,340	\$10.38	\$21,590
25-2012	Kindergarten Teachers, Except Special Education	60	N/A	\$41,660	N/A	\$34,670	N/A	\$45,160
25-2021	Elementary School Teachers, Except Special Education	540	N/A	\$39,650	N/A	\$34,690	N/A	\$42,130
25-2022	Middle School Teachers, Except Special and Career/Technical Educa	290	N/A	\$47,080	N/A	\$36,350	N/A	\$52,440
25-2023	Career/Technical Education Teachers, Middle School	20	N/A	\$46,250	N/A	\$43,950	N/A	\$47,390
25-2031	Secondary School Teachers, Except Special and Career/Technical Ed	420	N/A	\$42,970	N/A	\$33,300	N/A	\$47,800
25-2032	Career/Technical Education Teachers, Secondary School	20	N/A	\$42,850	N/A	\$38,000	N/A	\$45,270
25-2052	Special Education Teachers, Kindergarten and Elementary School	120	N/A	\$41,490	N/A	\$34,510	N/A	\$44,980
25-2053	Special Education Teachers, Middle School	30	N/A	\$42,940	N/A	\$34,790	N/A	\$47,010
25-2054	Special Education Teachers, Secondary School	40	N/A	\$40,810	N/A	\$34,710	N/A	\$43,860
25-3021	Self-Enrichment Education Teachers	70	\$15.10	\$31,400	\$8.12	\$16,890	\$18.59	\$38,660
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	40	N/A	\$36,390	N/A	\$16,870	N/A	\$46,150
25-3098	Substitute Teachers	550	\$8.41	\$17,490	\$8.10	\$16,850	\$8.56	\$17,810
25-4021	Librarians	70	\$19.83	\$41,250	\$14.80	\$30,790	\$22.35	\$46,480
25-4031	Library Technicians	100	\$11.90	\$24,750	\$9.18	\$19,090	\$13.26	\$27,580
25-9031	Instructional Coordinators	30	\$22.43	\$46,650	\$16.37	\$34,050	\$25.45	\$52,940
25-9041	Teacher Assistants	450	N/A	\$18,700	N/A	\$16,790	N/A	\$19,650
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>330</b>	<b>\$22.68</b>	<b>\$47,180</b>	<b>\$11.07</b>	<b>\$23,030</b>	<b>\$28.49</b>	<b>\$59,260</b>
27-1024	Graphic Designers	20	\$16.62	\$34,580	\$12.74	\$26,500	\$18.57	\$38,620
27-1025	Interior Designers	N/A	\$14.81	\$30,810	\$13.36	\$27,800	\$15.54	\$32,320
27-1026	Merchandise Displayers and Window Trimmers	20	\$14.06	\$29,240	\$8.95	\$18,620	\$16.61	\$34,560
27-2022	Coaches and Scouts	120	N/A	\$62,940	N/A	\$28,670	N/A	\$80,070
27-3031	Public Relations Specialists	40	\$19.17	\$39,860	\$13.53	\$28,140	\$21.98	\$45,720

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
27-4021	Photographers	20	\$11.31	\$23,520	\$8.13	\$16,910	\$12.90	\$26,820
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>5,470</b>	<b>\$31.62</b>	<b>\$65,770</b>	<b>\$14.13</b>	<b>\$29,390</b>	<b>\$40.37</b>	<b>\$83,960</b>
29-1031	Dietitians and Nutritionists	30	\$22.14	\$46,060	\$19.62	\$40,810	\$23.40	\$48,680
29-1051	Pharmacists	230	\$53.91	\$112,130	\$42.19	\$87,750	\$59.77	\$124,330
29-1062	Family and General Practitioners	40	\$82.18	\$170,930	\$44.03	\$91,590	\$101.25	\$210,600
29-1122	Occupational Therapists	40	\$33.95	\$70,620	\$26.34	\$54,780	\$37.76	\$78,550
29-1123	Physical Therapists	130	\$39.38	\$81,920	\$31.64	\$65,810	\$43.26	\$89,970
29-1126	Respiratory Therapists	100	\$22.33	\$46,440	\$19.80	\$41,190	\$23.59	\$49,060
29-1127	Speech-Language Pathologists	60	\$25.78	\$53,630	\$22.77	\$47,370	\$27.29	\$56,750
29-1131	Veterinarians	30	\$41.13	\$85,550	\$26.80	\$55,750	\$48.30	\$100,450
29-1141	Registered Nurses	1,950	\$25.41	\$52,850	\$19.16	\$39,840	\$28.53	\$59,350
29-1171	Nurse Practitioners	150	\$45.95	\$95,570	\$33.49	\$69,650	\$52.18	\$108,530
29-1181	Audiologists	20	\$33.79	\$70,290	\$25.89	\$53,840	\$37.75	\$78,510
29-2011	Medical and Clinical Laboratory Technologists	80	\$23.02	\$47,880	\$17.88	\$37,190	\$25.59	\$53,230
29-2012	Medical and Clinical Laboratory Technicians	60	\$17.92	\$37,270	\$13.76	\$28,630	\$20.00	\$41,590
29-2021	Dental Hygienists	N/A	\$23.81	\$49,530	\$19.22	\$39,970	\$26.11	\$54,300
29-2031	Cardiovascular Technologists and Technicians	30	\$16.63	\$34,590	\$11.80	\$24,540	\$19.04	\$39,610
29-2032	Diagnostic Medical Sonographers	60	\$27.41	\$57,010	\$21.83	\$45,420	\$30.20	\$62,810
29-2034	Radiologic Technologists and Technicians	160	\$21.46	\$44,640	\$17.18	\$35,730	\$23.60	\$49,090
29-2041	Emergency Medical Technicians and Paramedics	180	\$11.63	\$24,190	\$8.17	\$16,990	\$13.36	\$27,790
29-2052	Pharmacy Technicians	240	\$14.13	\$29,390	\$10.98	\$22,840	\$15.71	\$32,670
29-2055	Surgical Technologists	130	\$17.94	\$37,320	\$15.31	\$31,840	\$19.26	\$40,060
29-2056	Veterinary Technologists and Technicians	50	\$13.08	\$27,200	\$8.98	\$18,690	\$15.12	\$31,460
29-2057	Ophthalmic Medical Technicians	80	\$15.76	\$32,770	\$12.90	\$26,840	\$17.18	\$35,740
29-2061	Licensed Practical and Licensed Vocational Nurses	610	\$16.16	\$33,610	\$13.80	\$28,710	\$17.34	\$36,060

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
29-2071	Medical Records and Health Information Technicians	220	\$16.70	\$34,730	\$10.03	\$20,870	\$20.03	\$41,660
29-2081	Opticians, Dispensing	60	\$13.65	\$28,390	\$9.37	\$19,500	\$15.78	\$32,830
29-9091	Athletic Trainers	N/A	N/A	\$50,550	N/A	\$33,780	N/A	\$58,940
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>1,790</b>	<b>\$10.74</b>	<b>\$22,340</b>	<b>\$8.08</b>	<b>\$16,800</b>	<b>\$12.07</b>	<b>\$25,100</b>
31-1011	Home Health Aides	150	\$9.91	\$20,620	\$8.05	\$16,740	\$10.85	\$22,560
31-1014	Nursing Assistants	860	\$9.34	\$19,420	\$8.08	\$16,800	\$9.97	\$20,740
31-2021	Physical Therapist Assistants	40	\$18.87	\$39,240	\$12.20	\$25,390	\$22.20	\$46,170
31-2022	Physical Therapist Aides	30	\$9.19	\$19,110	\$8.07	\$16,790	\$9.74	\$20,260
31-9091	Dental Assistants	120	\$13.08	\$27,210	\$12.06	\$25,080	\$13.60	\$28,280
31-9092	Medical Assistants	210	\$13.15	\$27,350	\$10.06	\$20,910	\$14.69	\$30,560
31-9093	Medical Equipment Preparers	50	\$10.57	\$21,980	\$8.06	\$16,760	\$11.82	\$24,590
31-9094	Medical Transcriptionists	80	\$13.16	\$27,370	\$10.29	\$21,400	\$14.60	\$30,360
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	90	\$8.96	\$18,630	\$8.09	\$16,820	\$9.39	\$19,540
31-9097	Phlebotomists	40	\$11.87	\$24,690	\$9.67	\$20,120	\$12.97	\$26,970
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>1,390</b>	<b>\$13.82</b>	<b>\$28,750</b>	<b>\$8.34</b>	<b>\$17,340</b>	<b>\$16.57</b>	<b>\$34,460</b>
33-1012	First-Line Supervisors of Police and Detectives	50	\$22.16	\$46,090	\$18.87	\$39,240	\$23.81	\$49,520
33-1099	First-Line Supervisors of Protective Service Workers, All Other	50	\$16.69	\$34,720	\$15.52	\$32,280	\$17.28	\$35,940
33-2011	Firefighters	100	\$12.94	\$26,910	\$10.72	\$22,290	\$14.05	\$29,220
33-3012	Correctional Officers and Jailers	150	\$14.44	\$30,030	\$12.44	\$25,880	\$15.43	\$32,100
33-3021	Detectives and Criminal Investigators	40	\$28.51	\$59,300	\$16.30	\$33,910	\$34.61	\$71,990
33-3051	Police and Sheriff's Patrol Officers	310	\$16.87	\$35,080	\$11.89	\$24,720	\$19.36	\$40,260
33-9032	Security Guards	590	\$10.26	\$21,330	\$8.10	\$16,850	\$11.33	\$23,580
<b>35-0000</b>	<b>Food Preparation and Serving-Related Occupations</b>	<b>7,080</b>	<b>\$9.29</b>	<b>\$19,330</b>	<b>\$8.08</b>	<b>\$16,810</b>	<b>\$9.90</b>	<b>\$20,590</b>
35-1011	Chefs and Head Cooks	120	\$16.03	\$33,340	\$10.33	\$21,490	\$18.88	\$39,270
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	740	\$12.62	\$26,250	\$9.17	\$19,070	\$14.35	\$29,840

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
35-2011	Cooks, Fast Food	690	\$8.53	\$17,750	\$8.05	\$16,750	\$8.77	\$18,250
35-2012	Cooks, Institution and Cafeteria	390	\$8.85	\$18,400	\$8.05	\$16,750	\$9.24	\$19,230
35-2014	Cooks, Restaurant	760	\$9.70	\$20,170	\$8.11	\$16,860	\$10.49	\$21,830
35-2015	Cooks, Short Order	N/A	\$8.16	\$16,960	\$8.09	\$16,820	\$8.19	\$17,030
35-2021	Food Preparation Workers	900	\$8.91	\$18,540	\$8.05	\$16,750	\$9.34	\$19,430
35-3011	Bartenders	100	\$10.01	\$20,810	\$8.10	\$16,850	\$10.96	\$22,790
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	920	\$8.24	\$17,150	\$8.06	\$16,760	\$8.33	\$17,340
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	680	\$8.33	\$17,330	\$8.11	\$16,880	\$8.44	\$17,550
35-3031	Waiters and Waitresses	1,200	\$8.69	\$18,080	\$8.10	\$16,850	\$8.99	\$18,690
35-3041	Food Servers, Nonrestaurant	130	\$9.59	\$19,950	\$8.14	\$16,930	\$10.32	\$21,460
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	N/A	\$8.14	\$16,940	\$8.14	\$16,940	\$8.15	\$16,940
35-9021	Dishwashers	150	\$8.44	\$17,550	\$8.08	\$16,800	\$8.62	\$17,930
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	180	\$8.79	\$18,290	\$8.12	\$16,880	\$9.13	\$18,990
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>1,700</b>	<b>\$10.03</b>	<b>\$20,870</b>	<b>\$8.07</b>	<b>\$16,780</b>	<b>\$11.02</b>	<b>\$22,910</b>
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	70	\$15.40	\$32,040	\$10.35	\$21,530	\$17.93	\$37,290
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundsk	30	\$19.58	\$40,730	\$11.06	\$23,010	\$23.84	\$49,600
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	840	\$9.30	\$19,340	\$8.06	\$16,770	\$9.92	\$20,630
37-2012	Maids and Housekeeping Cleaners	390	\$9.08	\$18,880	\$8.08	\$16,800	\$9.58	\$19,930
37-2021	Pest Control Workers	60	\$15.80	\$32,870	\$10.81	\$22,490	\$18.30	\$38,070
37-3011	Landscaping and Groundskeeping Workers	290	\$9.92	\$20,640	\$8.08	\$16,800	\$10.84	\$22,550
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>1,260</b>	<b>\$9.90</b>	<b>\$20,580</b>	<b>\$8.07</b>	<b>\$16,790</b>	<b>\$10.81</b>	<b>\$22,480</b>
39-2021	Nonfarm Animal Caretakers	40	\$11.50	\$23,920	\$8.05	\$16,750	\$13.22	\$27,500
39-5012	Hairdressers, Hairstylists, and Cosmetologists	130	\$9.67	\$20,120	\$8.06	\$16,760	\$10.48	\$21,810
39-9011	Childcare Workers	360	\$8.62	\$17,930	\$8.08	\$16,800	\$8.89	\$18,500
39-9021	Personal Care Aides	300	\$8.15	\$16,960	\$8.07	\$16,780	\$8.20	\$17,050

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
39-9032	Recreation Workers	110	\$11.17	\$23,240	\$8.46	\$17,610	\$12.53	\$26,060
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>6,810</b>	<b>\$12.60</b>	<b>\$26,200</b>	<b>\$8.13</b>	<b>\$16,920</b>	<b>\$14.83</b>	<b>\$30,850</b>
41-1011	First-Line Supervisors of Retail Sales Workers	880	\$17.73	\$36,880	\$10.97	\$22,810	\$21.12	\$43,920
41-1012	First-Line Supervisors of Non-Retail Sales Workers	70	\$24.79	\$51,560	\$11.27	\$23,430	\$31.55	\$65,620
41-2011	Cashiers	2,020	\$8.78	\$18,270	\$8.15	\$16,960	\$9.10	\$18,920
41-2021	Counter and Rental Clerks	200	\$11.04	\$22,970	\$8.14	\$16,930	\$12.49	\$25,990
41-2022	Parts Salespersons	120	\$15.45	\$32,130	\$8.97	\$18,660	\$18.69	\$38,870
41-2031	Retail Salespersons	2,650	\$10.96	\$22,790	\$8.11	\$16,860	\$12.38	\$25,750
41-3011	Advertising Sales Agents	30	N/A	N/A	N/A	N/A	N/A	N/A
41-3021	Insurance Sales Agents	140	\$19.60	\$40,770	\$10.02	\$20,830	\$24.39	\$50,730
41-3031	Securities, Commodities, and Financial Services Sales Agents	60	N/A	N/A	N/A	N/A	N/A	N/A
41-3099	Sales Representatives, Services, All Other	150	\$17.86	\$37,150	\$9.04	\$18,810	\$22.27	\$46,320
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	40	\$24.29	\$50,520	\$15.23	\$31,680	\$28.82	\$59,950
41-4012	Manufacturing, Except Technical and Scientific Products	290	\$19.98	\$41,560	\$11.11	\$23,100	\$24.42	\$50,790
41-9022	Real Estate Sales Agents	80	\$20.59	\$42,840	\$14.29	\$29,730	\$23.75	\$49,390
41-9099	Sales and Related Workers, All Other	30	\$13.73	\$28,570	\$9.10	\$18,930	\$16.05	\$33,380
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>9,250</b>	<b>\$13.87</b>	<b>\$28,860</b>	<b>\$9.12</b>	<b>\$18,960</b>	<b>\$16.25</b>	<b>\$33,810</b>
43-1011	First-Line Supervisors of Office and Administrative Support Workers	700	\$20.77	\$43,210	\$13.18	\$27,410	\$24.57	\$51,100
43-2011	Switchboard Operators, Including Answering Service	80	\$10.63	\$22,110	\$8.11	\$16,870	\$11.89	\$24,720
43-3011	Bill and Account Collectors	170	\$12.68	\$26,370	\$10.02	\$20,840	\$14.01	\$29,130
43-3021	Billing and Posting Clerks and Machine Operators	N/A	\$13.82	\$28,740	\$10.38	\$21,590	\$15.54	\$32,320
43-3031	Bookkeeping, Accounting, and Auditing Clerks	630	\$15.60	\$32,440	\$10.20	\$21,220	\$18.29	\$38,050
43-3051	Payroll and Timekeeping Clerks	50	\$15.96	\$33,200	\$12.81	\$26,650	\$17.54	\$36,470
43-3061	Procurement Clerks	40	\$18.32	\$38,100	\$12.91	\$26,860	\$21.02	\$43,730
43-3071	Tellers	320	\$12.16	\$25,280	\$9.95	\$20,700	\$13.26	\$27,580

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
43-4031	Court, Municipal, and License Clerks	130	\$13.58	\$28,250	\$9.35	\$19,450	\$15.70	\$32,650
43-4041	Credit Authorizers, Checkers, and Clerks	30	\$12.92	\$26,880	\$10.86	\$22,590	\$13.95	\$29,020
43-4051	Customer Service Representatives	560	\$12.60	\$26,210	\$9.58	\$19,940	\$14.11	\$29,350
43-4061	Eligibility Interviewers, Government Programs	40	\$15.82	\$32,910	\$11.93	\$24,820	\$17.76	\$36,950
43-4071	File Clerks	N/A	\$11.87	\$24,690	\$8.36	\$17,400	\$13.62	\$28,340
43-4081	Hotel, Motel, and Resort Desk Clerks	110	\$8.96	\$18,650	\$8.15	\$16,940	\$9.37	\$19,500
43-4111	Interviewers, Except Eligibility and Loan	110	\$12.58	\$26,160	\$8.83	\$18,370	\$14.45	\$30,050
43-4131	Loan Interviewers and Clerks	130	\$16.47	\$34,260	\$12.66	\$26,340	\$18.38	\$38,220
43-4141	New Accounts Clerks	30	\$16.18	\$33,650	\$13.04	\$27,120	\$17.75	\$36,920
43-4151	Order Clerks	20	\$13.49	\$28,050	\$8.30	\$17,260	\$16.08	\$33,440
43-4171	Receptionists and Information Clerks	640	\$11.03	\$22,950	\$9.23	\$19,200	\$11.94	\$24,830
43-4199	Information and Record Clerks, All Other	50	\$18.55	\$38,580	\$12.82	\$26,660	\$21.41	\$44,540
43-5021	Couriers and Messengers	40	\$11.62	\$24,170	\$9.53	\$19,830	\$12.66	\$26,340
43-5031	Police, Fire, and Ambulance Dispatchers	90	\$11.87	\$24,690	\$9.93	\$20,640	\$12.84	\$26,710
43-5032	Dispatchers, Except Police, Fire, and Ambulance	50	\$15.05	\$31,300	\$9.30	\$19,350	\$17.92	\$37,270
43-5051	Postal Service Clerks	20	\$25.17	\$52,360	\$21.53	\$44,790	\$27.00	\$56,150
43-5052	Postal Service Mail Carriers	150	\$25.00	\$52,010	\$18.89	\$39,280	\$28.06	\$58,370
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	40	\$24.46	\$50,880	\$20.80	\$43,260	\$26.29	\$54,680
43-5061	Production, Planning, and Expediting Clerks	110	\$24.39	\$50,730	\$17.18	\$35,730	\$27.99	\$58,220
43-5071	Shipping, Receiving, and Traffic Clerks	280	\$13.80	\$28,710	\$9.68	\$20,130	\$15.86	\$32,990
43-5081	Stock Clerks and Order Fillers	870	\$10.25	\$21,330	\$8.12	\$16,890	\$11.32	\$23,550
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	20	\$13.08	\$27,220	\$8.22	\$17,110	\$15.51	\$32,270
43-6011	Executive Secretaries and Executive Administrative Assistants	180	\$18.83	\$39,160	\$12.24	\$25,460	\$22.12	\$46,010
43-6013	Medical Secretaries	N/A	\$13.41	\$27,890	\$10.77	\$22,400	\$14.73	\$30,630
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical,	1,370	\$13.44	\$27,960	\$9.32	\$19,380	\$15.51	\$32,260

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
43-9011	Computer Operators	20	\$11.88	\$24,720	\$10.02	\$20,840	\$12.82	\$26,650
43-9021	Data Entry Keyers	50	\$11.87	\$24,680	\$8.83	\$18,380	\$13.38	\$27,840
43-9061	Office Clerks, General	1,240	\$11.77	\$24,470	\$8.22	\$17,090	\$13.54	\$28,170
43-9199	Office and Administrative Support Workers, All Other	20	\$13.52	\$28,120	\$11.39	\$23,690	\$14.58	\$30,330
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>180</b>	<b>\$14.13</b>	<b>\$29,380</b>	<b>\$8.43</b>	<b>\$17,540</b>	<b>\$16.97</b>	<b>\$35,300</b>
45-4022	Logging Equipment Operators	90	\$14.26	\$29,650	\$9.39	\$19,530	\$16.69	\$34,710
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>2,130</b>	<b>\$16.66</b>	<b>\$34,660</b>	<b>\$10.95</b>	<b>\$22,770</b>	<b>\$19.52</b>	<b>\$40,610</b>
47-1011	First-Line Supervisors of Construction Trades and Extraction Work	230	\$26.76	\$55,660	\$17.90	\$37,220	\$31.19	\$64,880
47-2031	Carpenters	280	\$15.21	\$31,640	\$10.96	\$22,800	\$17.34	\$36,060
47-2061	Construction Laborers	270	\$12.76	\$26,550	\$9.68	\$20,140	\$14.30	\$29,750
47-2073	Operating Engineers and Other Construction Equipment Operators	140	\$20.21	\$42,040	\$16.67	\$34,670	\$21.98	\$45,720
47-2111	Electricians	260	\$19.26	\$40,070	\$14.55	\$30,270	\$21.62	\$44,970
47-2141	Painters, Construction and Maintenance	50	\$17.75	\$36,910	\$11.72	\$24,380	\$20.76	\$43,180
47-2152	Plumbers, Pipefitters, and Steamfitters	160	\$15.56	\$32,360	\$11.34	\$23,590	\$17.67	\$36,750
47-2181	Roofers	30	\$13.37	\$27,810	\$9.07	\$18,870	\$15.52	\$32,280
47-2211	Sheet Metal Workers	20	\$17.03	\$35,410	\$14.69	\$30,560	\$18.19	\$37,840
47-3012	Helpers--Carpenters	N/A	\$12.24	\$25,460	\$10.29	\$21,400	\$13.21	\$27,480
47-3013	Helpers--Electricians	100	\$11.66	\$24,240	\$8.32	\$17,310	\$13.32	\$27,710
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	N/A	\$11.13	\$23,150	\$8.04	\$16,710	\$12.68	\$26,370
47-4011	Construction and Building Inspectors	N/A	\$20.62	\$42,890	\$13.45	\$27,970	\$24.21	\$50,350
47-4041	Hazardous Materials Removal Workers	30	\$13.30	\$27,670	\$10.54	\$21,920	\$14.68	\$30,540
47-4051	Highway Maintenance Workers	150	\$13.01	\$27,060	\$10.31	\$21,440	\$14.36	\$29,870
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>2,670</b>	<b>\$18.34</b>	<b>\$38,140</b>	<b>\$10.77</b>	<b>\$22,390</b>	<b>\$22.12</b>	<b>\$46,010</b>
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	310	\$23.22	\$48,290	\$13.28	\$27,620	\$28.18	\$58,620
49-2011	Computer, Automated Teller, and Office Machine Repairers	30	\$17.89	\$37,200	\$13.59	\$28,260	\$20.03	\$41,670

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	110	\$23.73	\$49,360	\$10.54	\$21,910	\$30.33	\$63,080
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	30	\$25.60	\$53,250	\$20.33	\$42,290	\$28.24	\$58,730
49-3021	Automotive Body and Related Repairers	80	\$16.07	\$33,420	\$12.08	\$25,130	\$18.06	\$37,570
49-3023	Automotive Service Technicians and Mechanics	360	\$13.88	\$28,870	\$8.44	\$17,560	\$16.60	\$34,530
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	130	\$17.60	\$36,600	\$12.14	\$25,260	\$20.33	\$42,280
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	60	\$18.48	\$38,440	\$16.19	\$33,680	\$19.63	\$40,830
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	20	\$14.04	\$29,200	\$12.14	\$25,260	\$14.98	\$31,170
49-3093	Tire Repairers and Changers	N/A	\$13.07	\$27,190	\$9.79	\$20,360	\$14.72	\$30,610
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	20	\$21.90	\$45,550	\$19.42	\$40,380	\$23.14	\$48,130
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	90	\$16.56	\$34,430	\$11.25	\$23,410	\$19.21	\$39,950
49-9041	Industrial Machinery Mechanics	110	\$26.25	\$54,590	\$17.80	\$37,020	\$30.47	\$63,380
49-9043	Maintenance Workers, Machinery	30	\$16.69	\$34,720	\$13.28	\$27,620	\$18.40	\$38,280
49-9051	Electrical Power-Line Installers and Repairers	60	\$29.32	\$60,990	\$22.03	\$45,810	\$32.97	\$68,580
49-9071	Maintenance and Repair Workers, General	700	\$15.00	\$31,190	\$10.52	\$21,890	\$17.23	\$35,840
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	20	\$17.50	\$36,390	\$16.71	\$34,760	\$17.89	\$37,210
49-9098	Helpers--Installation, Maintenance, and Repair Workers	110	\$12.64	\$26,280	\$9.29	\$19,330	\$14.31	\$29,760
49-9099	Installation, Maintenance, and Repair Workers, All Other	170	N/A	N/A	N/A	N/A	N/A	N/A
<b>51-0000</b>	<b>Production Occupations</b>	<b>3,080</b>	<b>\$14.71</b>	<b>\$30,590</b>	<b>\$9.62</b>	<b>\$20,010</b>	<b>\$17.25</b>	<b>\$35,870</b>
51-1011	First-Line Supervisors of Production and Operating Workers	130	\$24.18	\$50,290	\$13.39	\$27,840	\$29.58	\$61,520
51-2092	Team Assemblers	340	\$9.69	\$20,160	\$8.10	\$16,850	\$10.49	\$21,820
51-3011	Bakers	40	\$10.44	\$21,720	\$8.14	\$16,930	\$11.59	\$24,120
51-3021	Butchers and Meat Cutters	50	\$13.03	\$27,110	\$9.35	\$19,450	\$14.88	\$30,940
51-3092	Food Batchmakers	70	\$15.44	\$32,120	\$11.44	\$23,800	\$17.44	\$36,280
51-4121	Welders, Cutters, Solderers, and Brazers	60	\$18.94	\$39,390	\$12.06	\$25,090	\$22.37	\$46,530
51-5112	Printing Press Operators	50	\$9.95	\$20,700	\$8.21	\$17,070	\$10.82	\$22,520

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
51-6011	Laundry and Dry-Cleaning Workers	110	N/A	N/A	N/A	N/A	N/A	N/A
51-7011	Cabinetmakers and Bench Carpenters	30	\$13.98	\$29,080	\$9.14	\$19,010	\$16.40	\$34,120
51-8031	Water and Wastewater Treatment Plant and System Operators	70	\$16.26	\$33,820	\$11.27	\$23,430	\$18.76	\$39,020
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	130	\$22.05	\$45,860	\$14.94	\$31,070	\$25.60	\$53,250
51-9111	Packaging and Filling Machine Operators and Tenders	N/A	\$13.68	\$28,450	\$9.46	\$19,680	\$15.79	\$32,840
51-9122	Painters, Transportation Equipment	20	\$18.14	\$37,730	\$16.72	\$34,780	\$18.85	\$39,210
51-9196	Paper Goods Machine Setters, Operators, and Tenders	140	\$15.91	\$33,100	\$13.15	\$27,350	\$17.30	\$35,980
51-9198	Helpers--Production Workers	200	\$12.40	\$25,800	\$9.07	\$18,860	\$14.07	\$29,270
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>3,610</b>	<b>\$13.34</b>	<b>\$27,750</b>	<b>\$8.17</b>	<b>\$16,980</b>	<b>\$15.93</b>	<b>\$33,130</b>
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers,	80	\$16.02	\$33,330	\$11.25	\$23,400	\$18.41	\$38,290
53-1031	First-Line Supervisors of Transportation and Material-Moving Mach	100	\$23.08	\$48,010	\$18.58	\$38,650	\$25.33	\$52,680
53-2012	Commercial Pilots	20	N/A	\$76,220	N/A	\$68,360	N/A	\$80,150
53-3022	Bus Drivers, School or Special Client	260	\$9.59	\$19,950	\$8.12	\$16,890	\$10.33	\$21,480
53-3031	Driver/Sales Workers	180	\$15.02	\$31,250	\$10.33	\$21,480	\$17.37	\$36,140
53-3032	Heavy and Tractor-Trailer Truck Drivers	670	\$17.73	\$36,890	\$12.56	\$26,120	\$20.32	\$42,270
53-3033	Light Truck or Delivery Services Drivers	430	\$14.00	\$29,110	\$8.17	\$16,990	\$16.91	\$35,170
53-7051	Industrial Truck and Tractor Operators	140	\$12.46	\$25,910	\$8.62	\$17,940	\$14.37	\$29,890
53-7061	Cleaners of Vehicles and Equipment	120	\$14.14	\$29,420	\$8.21	\$17,080	\$17.11	\$35,580
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,170	\$9.83	\$20,450	\$8.15	\$16,960	\$10.67	\$22,200
53-7063	Machine Feeders and Offbearers	N/A	\$13.88	\$28,870	\$9.49	\$19,730	\$16.07	\$33,430
53-7064	Packers and Packagers, Hand	60	\$10.28	\$21,390	\$8.26	\$17,190	\$11.29	\$23,490
53-7081	Refuse and Recyclable Material Collectors	110	\$12.24	\$25,460	\$9.45	\$19,660	\$13.63	\$28,360

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NOTE: Wage estimates are produced in cooperation with the U.S. Bureau of Labor Statistics. Totals may not add due to rounding and confidentiality suppressions.

## Technical Notes for 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. OES data available from BLS include cross-industry occupational employment and wage estimates for the nation; nearly 650 areas, including states and the District of Columbia, metropolitan statistical areas (MSAs), metropolitan divisions, nonmetropolitan areas, and territories; national industry-specific estimates at the NAICS sector, 3-, 4-, and selected 5- and 6-digit industry levels; and national estimates by ownership across all industries and for schools and hospitals.

The OES survey is a cooperative effort between BLS and the State Workforce Agencies (SWAs). BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies collect most of the data. OES estimates are constructed from a sample of about 1.2 million establishments. Each year, forms are mailed to two semiannual panels of approximately 200,000 sampled establishments, one panel in May and the other in November. May 2014 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2014, November 2013, May 2013, November 2012, May 2012, and November 2011. The overall national response rate for the six panels is 74.3 percent based on establishments and 70.5 percent based on weighted sampled employment. The unweighted employment of sampled establishments across all six semiannual panels represents approximately 57.1 percent of total national employment. (Response rates are slightly lower for these estimates due to the federal shutdown in October 2013.)

### The occupational coding system

The OES survey categorizes workers into 821 detailed occupations based on the Office of Management and Budget's 2010 Standard Occupational Classification (SOC) system. Together, these detailed occupations make up 22 of the 23 SOC major occupational groups. Major group 55, Military Specific Occupations, is not included.

For more information about the SOC system, please see the BLS website at [www.bls.gov/soc/](http://www.bls.gov/soc/).

### The industry coding system

The May 2014 OES estimates use the 2012 North American Industry Classification System (NAICS). For more information about NAICS, see the BLS website at [www.bls.gov/bls/naics.htm](http://www.bls.gov/bls/naics.htm).

The OES survey excludes the majority of the agricultural sector, with the exception of logging (NAICS 113310), support activities for crop production (NAICS 1151), and support activities for animal production (NAICS 1152). Private households (NAICS 814) also are excluded. OES federal government data include the U.S. Postal Service and the federal executive branch only. All other industries, including state and local government, are covered by the survey.

### Survey sample

The OES survey draws its sample from state unemployment insurance (UI) files. 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 area, industry, and size.

To provide the most occupational coverage, larger employers are more likely to be selected than smaller employers. A census is taken of the executive branch of the federal government, the U.S. Postal Service, and state government.

## Concepts

*Occupational employment* is the estimate of total wage and salary employment in an occupation. 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 survey does not include the self-employed, owners and partners in unincorporated firms, household workers, or unpaid family 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; and tips are included. Excluded are overtime pay, severance pay, shift differentials, nonproduction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

OES receives wage rate data for the federal government, the U.S. Postal Service, and some state governments. For the remaining establishments, the OES survey collects wage data in 12 intervals. 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 establishments are instructed to report the hourly rate for part-time workers, and to report annual rates for occupations that are typically paid at an annual rate but do not work 2,080 hours per year, such as teachers, pilots, and flight attendants. Other workers, such as some 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.

## Estimation methodology

The OES survey is designed to produce estimates by combining six panels of data collected over a 3-year

period. Each OES panel includes approximately 200,000 establishments. 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.

*Imputation.* About 25 percent of establishments do not respond for a given panel. For most employers, 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. In some cases, data for current panel nonrespondents are available for earlier panels. In those cases, the older data may be used and aged to represent the current reference period.

*Weighting and benchmarking.* The sampled establishments are weighted to represent all establishments for the reference period. Weights are further adjusted by the ratio of employment totals (the average of November 2013 and May 2014 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

## Changes and special procedures for the May 2014 estimates

In previous sets of estimates, local government gambling establishments and casino hotels were included in OES-defined industry 999300 Local Government. Beginning with the May 2014 estimates, local government gambling establishments and casino hotels will be included in NAICS 7132 Gam-

bling Industries and 72112 Casino Hotels, respectively, along with private sector establishments in those industries.

The Quarterly Census of Employment and Wages program, from which the OES sample is drawn, has recently begun coding some establishments that were historically found in NAICS 814110 Private Households to NAICS 624120 Services for the Elderly and Persons with Disabilities. Private households are out of scope for OES, so this shift caused a scope increase for OES in NAICS 624120. Because this scope increase affected only the most recent (May 2014) of

the six survey panels used to produce the May 2014 OES estimates, the units that shifted industries were removed from the survey data and not used in estimation.

### **For more information**

Answers to frequently asked questions about the OES data are available at [www.bls.gov/oes/oes\\_ques.htm](http://www.bls.gov/oes/oes_ques.htm). Detailed technical information about the OES survey is available in the Survey Methods and Reliability Statement on the BLS website at [www.bls.gov/oes/current/methods\\_statement.pdf](http://www.bls.gov/oes/current/methods_statement.pdf).

For additional information contact the Labor Market Information Department, email  
**[lmi-info@mdes.ms.gov](mailto:lmi-info@mdes.ms.gov)**.

### Footnotes:

N/A not available (not released)

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.