

**Lehigh Valley WDA  
Occupational Employment  
2018-2028 Long-Term Projections**

SOC Code	Occupational Title	Employment Outlook			Annual Demand			
		Estimated 2018	Projected 2028	Percent Change	Due to Growth <sup>1/</sup>	Due to Exits <sup>2/</sup>	Due to Transfers <sup>3/</sup>	Total Demand <sup>4/</sup>
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>331,680</b>	<b>356,580</b>	<b>7.5%</b>	<b>2,490</b>	<b>15,273</b>	<b>24,461</b>	<b>42,224</b>
<b>11-0000</b>	<b>Management Occupations</b>	<b>13,830</b>	<b>15,060</b>	<b>8.9%</b>	<b>123</b>	<b>360</b>	<b>843</b>	<b>1,326</b>
<b>11-1000</b>	<b>Top Executives</b>	<b>4,340</b>	<b>4,660</b>	<b>7.4%</b>	<b>32</b>	<b>97</b>	<b>288</b>	<b>417</b>
11-1011	Chief Executives	260	250	-3.8%	-1	7	11	17
11-1021	General & Operations Managers	3,900	4,220	8.2%	32	85	268	385
11-1031	Legislators	180	190	5.6%	1	5	9	15
<b>11-2000</b>	<b>Advertising, Marketing, Promotions, Public Relations &amp; Sales Managers</b>	<b>800</b>	<b>860</b>	<b>7.5%</b>	<b>6</b>	<b>17</b>	<b>56</b>	<b>79</b>
11-2011	Advertising & Promotions Managers	10	10	0.0%	0	0	1	1
11-2021	Marketing Managers	250	270	8.0%	2	5	17	24
11-2022	Sales Managers	470	510	8.5%	3	10	34	47
11-2031	Public Relations & Fundraising Managers	70	80	14.3%	1	2	4	7
<b>11-3000</b>	<b>Operations Specialties Managers</b>	<b>2,670</b>	<b>2,990</b>	<b>12.0%</b>	<b>32</b>	<b>62</b>	<b>161</b>	<b>255</b>
11-3011	Administrative Services Managers	320	350	9.4%	3	9	18	30
11-3021	Computer & Information Systems Managers	430	470	9.3%	4	8	28	40
11-3031	Financial Managers	720	850	18.1%	13	17	44	74
11-3051	Industrial Production Managers	370	390	5.4%	2	8	20	30
11-3061	Purchasing Managers	110	120	9.1%	1	3	7	11
11-3071	Transportation, Storage & Distribution Managers	440	500	13.6%	6	10	27	43
11-3111	Compensation & Benefits Managers	10	10	0.0%	0	0	1	1
11-3121	Human Resources Managers	230	250	8.7%	2	5	15	22
11-3131	Training & Development Managers	40	50	25.0%	0	1	3	4
<b>11-9000</b>	<b>Other Management Occupations</b>	<b>6,020</b>	<b>6,540</b>	<b>8.6%</b>	<b>52</b>	<b>185</b>	<b>337</b>	<b>574</b>
11-9021	Construction Managers	1,000	1,100	10.0%	9	22	54	85
11-9031	Education Admin., Preschool & Childcare Center/Program	180	200	11.1%	2	5	10	17
11-9032	Education Administrators, Elementary & Secondary School	380	420	10.5%	4	10	21	35
11-9033	Education Administrators, Postsecondary	240	260	8.3%	2	6	13	21
11-9039	Education Administrators, Other	60	60	0.0%	0	2	3	5
11-9041	Architectural & Engineering Managers	380	410	7.9%	3	7	22	32
11-9051	Food Service Managers	560	610	8.9%	5	18	49	72
11-9061	Funeral Service Managers	70	80	14.3%	0	2	4	6
11-9111	Medical & Health Services Managers	810	990	22.2%	19	22	49	90
11-9121	Natural Sciences Managers	40	50	25.0%	0	1	3	4
11-9131	Postmasters & Mail Superintendents	30	20	-33.3%	-1	1	1	1
11-9141	Property, Real Estate & Community Association Managers	270	290	7.4%	2	10	11	23
11-9151	Social & Community Service Managers	420	470	11.9%	5	13	26	44

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11-9161	Emergency Management Directors	20	20	0.0%	0	1	1	2
11-9199	Managers, Other	790	830	5.1%	4	20	41	65
<b>13-0000</b>	<b>Business &amp; Financial Operations Occupations</b>	<b>11,640</b>	<b>12,660</b>	<b>8.8%</b>	<b>101</b>	<b>329</b>	<b>826</b>	<b>1,256</b>
<b>13-1000</b>	<b>Business Operations Specialists</b>	<b>7,150</b>	<b>7,740</b>	<b>8.3%</b>	<b>59</b>	<b>205</b>	<b>532</b>	<b>796</b>
13-1020	Buyers & Purchasing Agents	720	690	-4.2%	-3	22	51	70
13-1031	Claims Adjusters, Examiners & Investigators	400	390	-2.5%	-1	10	24	33
13-1041	Compliance Officers	390	420	7.7%	3	11	24	38
13-1051	Cost Estimators	320	350	9.4%	3	8	24	35
13-1071	Human Resources Specialists	1,210	1,310	8.3%	10	34	92	136
13-1075	Labor Relations Specialists	110	100	-9.1%	0	3	8	11
13-1081	Logisticians	330	370	12.1%	3	8	25	36
13-1111	Management Analysts	890	1,000	12.4%	10	29	60	99
13-1121	Meeting, Convention & Event Planners	170	180	5.9%	2	6	14	22
13-1131	Fundraisers	230	260	13.0%	3	8	18	29
13-1141	Compensation, Benefits & Job Analysis Specialists	140	150	7.1%	1	5	9	15
13-1151	Training & Development Specialists	530	590	11.3%	6	17	43	66
13-1161	Market Research Analysts & Marketing Specialists	1,220	1,400	14.8%	18	31	103	152
13-1199	Business Operations Specialists, Other	490	530	8.2%	4	14	35	53
<b>13-2000</b>	<b>Financial Specialists</b>	<b>4,490</b>	<b>4,910</b>	<b>9.4%</b>	<b>42</b>	<b>124</b>	<b>294</b>	<b>460</b>
13-2011	Accountants & Auditors	2,660	2,890	8.6%	24	78	180	282
13-2021	Appraisers & Assessors of Real Estate	80	90	12.5%	1	3	3	7
13-2041	Credit Analysts	40	40	0.0%	0	1	2	3
13-2051	Financial Analysts	490	530	8.2%	5	10	33	48
13-2052	Personal Financial Advisors	340	400	17.6%	6	8	20	34
13-2061	Financial Examiners	50	60	20.0%	1	1	3	5
13-2071	Credit Counselors	70	80	14.3%	1	2	5	8
13-2072	Loan Officers	440	480	9.1%	4	11	28	43
13-2081	Tax Examiners, Collectors & Revenue Agents	30	30	0.0%	0	1	1	2
13-2082	Tax Preparers	40	50	25.0%	0	2	3	5
13-2099	Financial Specialists, Other	60	70	16.7%	0	2	4	6
<b>15-0000</b>	<b>Computer &amp; Mathematical Occupations</b>	<b>5,640</b>	<b>6,220</b>	<b>10.3%</b>	<b>58</b>	<b>99</b>	<b>340</b>	<b>497</b>
<b>15-1100</b>	<b>Computer Occupations</b>	<b>5,490</b>	<b>6,020</b>	<b>9.7%</b>	<b>54</b>	<b>96</b>	<b>332</b>	<b>482</b>
15-1121	Computer Systems Analysts	690	740	7.2%	5	14	38	57
15-1122	Information Security Analysts	80	100	25.0%	2	1	5	8
15-1131	Computer Programmers	400	370	-7.5%	-3	6	21	24

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15-1132	Software Developers, Applications	880	1,080	22.7%	20	14	55	89
15-1133	Software Developers, Systems Software	290	320	10.3%	3	4	17	24
15-1134	Web Developers	220	240	9.1%	2	4	14	20
15-1141	Database Administrators	140	150	7.1%	1	3	7	11
15-1142	Network & Computer Systems Administrators	560	590	5.4%	3	10	30	43
15-1143	Computer Network Architects	220	220	0.0%	-1	3	12	14
15-1151	Computer User Support Specialists	1,300	1,450	11.5%	15	25	88	128
15-1152	Computer Network Support Specialists	350	360	2.9%	1	6	22	29
15-1199	Computer Occupations, Other	370	410	10.8%	4	6	22	32
<b>15-2000</b>	<b>Mathematical Scientists</b>	<b>150</b>	<b>190</b>	<b>26.7%</b>	<b>4</b>	<b>4</b>	<b>9</b>	<b>17</b>
15-2031	Operations Research Analysts	80	100	25.0%	2	2	4	8
<b>17-0000</b>	<b>Architecture &amp; Engineering Occupations</b>	<b>5,960</b>	<b>6,450</b>	<b>8.2%</b>	<b>49</b>	<b>148</b>	<b>336</b>	<b>533</b>
<b>17-1000</b>	<b>Architects, Surveyors &amp; Cartographers</b>	<b>220</b>	<b>240</b>	<b>9.1%</b>	<b>2</b>	<b>6</b>	<b>12</b>	<b>20</b>
17-1011	Architects	130	140	7.7%	1	3	7	11
17-1022	Surveyors	50	60	20.0%	0	1	3	4
<b>17-2000</b>	<b>Engineers</b>	<b>4,030</b>	<b>4,410</b>	<b>9.4%</b>	<b>38</b>	<b>85</b>	<b>206</b>	<b>329</b>
17-2031	Biomedical Engineers	60	70	16.7%	1	1	3	5
17-2051	Civil Engineers	540	590	9.3%	5	12	32	49
17-2061	Computer Hardware Engineers	190	200	5.3%	1	4	10	15
17-2071	Electrical Engineers	760	820	7.9%	6	16	36	58
17-2072	Electronics Engineers	350	370	5.7%	2	7	16	25
17-2081	Environmental Engineers	80	90	12.5%	1	2	4	7
17-2111	Health & Safety Engineers	40	50	25.0%	0	1	2	3
17-2112	Industrial Engineers	580	670	15.5%	9	13	30	52
17-2141	Mechanical Engineers	830	900	8.4%	8	16	42	66
17-2199	Engineers, Other	280	310	10.7%	3	6	14	23
<b>17-3000</b>	<b>Drafters, Engineering &amp; Mapping Technicians</b>	<b>1,710</b>	<b>1,800</b>	<b>5.3%</b>	<b>9</b>	<b>58</b>	<b>119</b>	<b>186</b>
17-3011	Architectural & Civil Drafters	270	280	3.7%	2	9	19	30
17-3012	Electrical & Electronics Drafters	70	80	14.3%	0	2	5	7
17-3013	Mechanical Drafters	250	250	0.0%	0	8	18	26
17-3022	Civil Engineering Technicians	100	120	20.0%	1	4	7	12
17-3023	Electrical & Electronic Engineering Technicians	340	340	0.0%	1	11	22	34
17-3025	Environmental Engineering Technicians	30	30	0.0%	0	1	2	3
17-3026	Industrial Engineering Technicians	110	110	0.0%	1	4	7	12
17-3027	Mechanical Engineering Technicians	200	210	5.0%	2	7	13	22

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17-3029	Engineering Technicians, Other	230	250	8.7%	1	8	15	24
17-3031	Surveying & Mapping Technicians	90	100	11.1%	1	3	9	13
<b>19-0000</b>	<b>Life, Physical &amp; Social Science Occupations</b>	<b>1,820</b>	<b>1,990</b>	<b>9.3%</b>	<b>17</b>	<b>36</b>	<b>142</b>	<b>195</b>
<b>19-1000</b>	<b>Life Scientists</b>	<b>240</b>	<b>260</b>	<b>8.3%</b>	<b>2</b>	<b>4</b>	<b>20</b>	<b>26</b>
19-1012	Food Scientists & Technologists	30	30	0.0%	0	1	3	4
19-1021	Biochemists & Biophysicists	20	20	0.0%	0	0	2	2
19-1022	Microbiologists	30	30	0.0%	0	0	2	2
19-1031	Conservation Scientists	20	20	0.0%	0	0	1	1
<b>19-2000</b>	<b>Physical Scientists</b>	<b>370</b>	<b>400</b>	<b>8.1%</b>	<b>3</b>	<b>6</b>	<b>29</b>	<b>38</b>
19-2031	Chemists	270	290	7.4%	2	4	20	26
19-2032	Materials Scientists	20	20	0.0%	0	0	1	1
19-2041	Environmental Scientists & Specialists	40	50	25.0%	0	1	4	5
19-2042	Geoscientists	30	30	0.0%	0	1	3	4
<b>19-3000</b>	<b>Social Scientists &amp; Related Workers</b>	<b>500</b>	<b>560</b>	<b>12.0%</b>	<b>6</b>	<b>11</b>	<b>28</b>	<b>45</b>
19-3031	Clinical, Counseling & School Psychologists	380	430	13.2%	5	9	19	33
19-3051	Urban & Regional Planners	90	100	11.1%	1	2	7	10
<b>19-4000</b>	<b>Life, Physical &amp; Social Science Technicians</b>	<b>710</b>	<b>770</b>	<b>8.5%</b>	<b>6</b>	<b>15</b>	<b>65</b>	<b>86</b>
19-4021	Biological Technicians	160	170	6.2%	2	2	15	19
19-4031	Chemical Technicians	240	260	8.3%	2	5	20	27
19-4061	Social Science Research Assistants	60	60	0.0%	0	2	6	8
19-4091	Environmental Science & Protection Technicians	110	120	9.1%	1	3	10	14
19-4099	Life, Physical & Social Science Technicians, Other	40	40	0.0%	0	1	4	5
<b>21-0000</b>	<b>Community &amp; Social Services Occupations</b>	<b>5,760</b>	<b>6,360</b>	<b>10.4%</b>	<b>60</b>	<b>218</b>	<b>425</b>	<b>703</b>
<b>21-1000</b>	<b>Counselors, Social Workers &amp; Community Service Specialists</b>	<b>4,350</b>	<b>4,870</b>	<b>12.0%</b>	<b>53</b>	<b>149</b>	<b>325</b>	<b>527</b>
21-1012	Educational, Guidance, School & Vocational Counselors	480	530	10.4%	5	16	35	56
21-1015	Rehabilitation Counselors	370	420	13.5%	5	13	28	46
21-1018	Substance Abuse, Behavioral Disorder, & Mental Health Counselors	800	920	15.0%	12	28	60	100
21-1021	Child, Family & School Social Workers	1,000	1,080	8.0%	8	31	71	110
21-1022	Healthcare Social Workers	270	300	11.1%	4	8	19	31
21-1023	Mental Health & Substance Abuse Social Workers	300	360	20.0%	6	10	22	38
21-1029	Social Workers, Other	40	50	25.0%	1	1	3	5
21-1091	Health Educators	90	100	11.1%	1	4	7	12
21-1092	Probation Officers & Correctional Treatment Specialists	160	170	6.2%	1	4	10	15
21-1093	Social & Human Service Assistants	610	690	13.1%	8	26	51	85
<b>21-2000</b>	<b>Religious Workers</b>	<b>1,420</b>	<b>1,490</b>	<b>4.9%</b>	<b>7</b>	<b>69</b>	<b>100</b>	<b>176</b>

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21-2011	Clergy	720	770	6.9%	4	33	48	85
<b>23-0000</b>	<b>Legal Occupations</b>	<b>1,290</b>	<b>1,410</b>	<b>9.3%</b>	<b>12</b>	<b>35</b>	<b>59</b>	<b>106</b>
<b>23-1000</b>	<b>Lawyers, Judges &amp; Related Workers</b>	<b>770</b>	<b>830</b>	<b>7.8%</b>	<b>6</b>	<b>17</b>	<b>22</b>	<b>45</b>
23-1011	Lawyers	680	740	8.8%	5	15	19	39
<b>23-2000</b>	<b>Legal Support Workers</b>	<b>520</b>	<b>590</b>	<b>13.5%</b>	<b>7</b>	<b>18</b>	<b>37</b>	<b>62</b>
23-2011	Paralegals & Legal Assistants	370	430	16.2%	6	13	29	48
23-2093	Title Examiners, Abstractors & Searchers	100	110	10.0%	1	4	6	11
<b>25-0000</b>	<b>Education, Training &amp; Library Occupations</b>	<b>17,900</b>	<b>19,620</b>	<b>9.6%</b>	<b>172</b>	<b>727</b>	<b>888</b>	<b>1,787</b>
<b>25-1000</b>	<b>Postsecondary Teachers</b>	<b>3,450</b>	<b>3,780</b>	<b>9.6%</b>	<b>33</b>	<b>133</b>	<b>166</b>	<b>332</b>
25-1011	Business Teachers, Postsecondary	250	280	12.0%	3	10	12	25
25-1021	Computer Science Teachers, Postsecondary	100	110	10.0%	1	4	5	10
25-1022	Mathematical Science Teachers, Postsecondary	160	170	6.2%	1	6	8	15
25-1032	Engineering Teachers, Postsecondary	180	200	11.1%	2	7	9	18
25-1042	Biological Science Teachers, Postsecondary	150	170	13.3%	2	6	8	16
25-1051	Atmospheric, Earth, Marine & Space Sciences Teachers, Postsecondary	40	40	0.0%	0	2	2	4
25-1052	Chemistry Teachers, Postsecondary	80	90	12.5%	1	3	4	8
25-1054	Physics Teachers, Postsecondary	50	50	0.0%	0	2	2	4
25-1061	Anthropology & Archeology Teachers, Postsecondary	20	20	0.0%	0	1	1	2
25-1063	Economics Teachers, Postsecondary	60	60	0.0%	0	2	3	5
25-1065	Political Science Teachers, Postsecondary	50	60	20.0%	0	2	3	5
25-1066	Psychology Teachers, Postsecondary	150	160	6.7%	2	6	7	15
25-1067	Sociology Teachers, Postsecondary	60	60	0.0%	0	2	3	5
25-1072	Nursing Instructors & Teachers, Postsecondary	140	160	14.3%	3	6	7	16
25-1081	Education Teachers, Postsecondary	120	130	8.3%	1	5	6	12
25-1121	Art, Drama & Music Teachers, Postsecondary	210	230	9.5%	2	8	10	20
25-1122	Communications Teachers, Postsecondary	50	50	0.0%	0	2	2	4
25-1123	English Language & Literature Teachers, Postsecondary	240	260	8.3%	2	9	11	22
25-1124	Foreign Language & Literature Teachers, Postsecondary	310	340	9.7%	3	12	15	30
25-1125	History Teachers, Postsecondary	70	80	14.3%	1	3	4	8
25-1126	Philosophy & Religion Teachers, Postsecondary	90	100	11.1%	1	3	4	8
<b>25-2000</b>	<b>Primary, Secondary &amp; Special Education School Teachers</b>	<b>9,640</b>	<b>10,590</b>	<b>9.9%</b>	<b>94</b>	<b>321</b>	<b>454</b>	<b>869</b>
25-2011	Preschool Teachers	900	980	8.9%	8	37	57	102
25-2012	Kindergarten Teachers	390	430	10.3%	4	16	25	45
25-2021	Elementary School Teachers	3,570	3,920	9.8%	35	116	160	311
25-2022	Middle School Teachers	1,240	1,370	10.5%	12	41	56	109

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25-2023	Career/Technical Education Teachers, Middle School	20	30	50.0%	0	1	1	2
25-2031	Secondary School Teachers	2,060	2,260	9.7%	21	60	91	172
25-2032	Career/Technical Education Teachers, Secondary School	140	150	7.1%	1	4	6	11
25-2052	Special Education Teachers, Kindergarten & Elementary School	640	700	9.4%	6	22	28	56
25-2053	Special Education Teachers, Middle School	120	130	8.3%	1	4	5	10
25-2054	Special Education Teachers, Secondary School	460	500	8.7%	5	16	20	41
<b>25-3000</b>	<b>Other Teachers &amp; Instructors</b>	<b>1,140</b>	<b>1,240</b>	<b>8.8%</b>	<b>10</b>	<b>69</b>	<b>67</b>	<b>146</b>
25-3021	Self-Enrichment Education Teachers	480	510	6.2%	3	28	28	59
25-3098	Substitute Teachers	330	360	9.1%	3	20	19	42
<b>25-4000</b>	<b>Librarians, Curators &amp; Archivists</b>	<b>380</b>	<b>400</b>	<b>5.3%</b>	<b>2</b>	<b>24</b>	<b>21</b>	<b>47</b>
25-4012	Curators	30	30	0.0%	0	1	2	3
25-4021	Librarians	210	220	4.8%	1	12	10	23
25-4031	Library Technicians	110	110	0.0%	0	10	7	17
<b>25-9000</b>	<b>Other Education, Training &amp; Library Occupations</b>	<b>3,300</b>	<b>3,610</b>	<b>9.4%</b>	<b>32</b>	<b>180</b>	<b>181</b>	<b>393</b>
25-9031	Instructional Coordinators	160	170	6.2%	1	7	9	17
25-9041	Teacher Assistants	3,040	3,330	9.5%	29	169	167	365
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports &amp; Media Occupations</b>	<b>4,360</b>	<b>4,530</b>	<b>3.9%</b>	<b>18</b>	<b>184</b>	<b>320</b>	<b>522</b>
<b>27-1000</b>	<b>Art &amp; Design Workers</b>	<b>1,390</b>	<b>1,410</b>	<b>1.4%</b>	<b>2</b>	<b>52</b>	<b>90</b>	<b>144</b>
27-1011	Art Directors	180	180	0.0%	0	9	10	19
27-1021	Commercial & Industrial Designers	90	100	11.1%	1	3	6	10
27-1022	Fashion Designers	40	30	-25.0%	0	1	2	3
27-1023	Floral Designers	80	70	-12.5%	-1	2	5	6
27-1024	Graphic Designers	450	470	4.4%	2	15	31	48
27-1025	Interior Designers	80	90	12.5%	1	3	6	10
27-1026	Merchandise Displayers & Window Trimmers	270	280	3.7%	0	9	18	27
<b>27-2000</b>	<b>Entertainers &amp; Performers, Sports &amp; Related Workers</b>	<b>1,450</b>	<b>1,540</b>	<b>6.2%</b>	<b>9</b>	<b>78</b>	<b>120</b>	<b>207</b>
27-2011	Actors	80	80	0.0%	0	3	7	10
27-2012	Producers & Directors	120	130	8.3%	1	3	10	14
27-2021	Athletes & Sports Competitors	160	180	12.5%	1	10	15	26
27-2022	Coaches & Scouts	630	710	12.7%	8	38	60	106
27-2041	Music Directors & Composers	120	120	0.0%	0	7	7	14
27-2042	Musicians & Singers	290	290	0.0%	0	17	18	35
<b>27-3000</b>	<b>Media &amp; Communication Workers</b>	<b>790</b>	<b>810</b>	<b>2.5%</b>	<b>2</b>	<b>27</b>	<b>59</b>	<b>88</b>
27-3022	Reporters & Correspondents	70	50	-28.6%	-1	2	5	6
27-3031	Public Relations Specialists	380	420	10.5%	4	12	29	45

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27-3041	Editors	70	60	-14.3%	0	2	5	7
27-3042	Technical Writers	60	70	16.7%	1	2	4	7
27-3043	Writers & Authors	70	70	0.0%	0	3	4	7
27-3091	Interpreters & Translators	20	20	0.0%	0	1	1	2
<b>27-4000</b>	<b>Media &amp; Communication Equipment Workers</b>	<b>740</b>	<b>780</b>	<b>5.4%</b>	<b>4</b>	<b>26</b>	<b>51</b>	<b>81</b>
27-4012	Broadcast Technicians	40	40	0.0%	0	1	3	4
27-4031	Camera Operators: TV, Video & Motion Picture	40	40	0.0%	0	1	3	4
27-4032	Film & Video Editors	30	40	33.3%	0	1	2	3
<b>29-0000</b>	<b>Healthcare Practitioners &amp; Technical Occupations</b>	<b>24,660</b>	<b>27,980</b>	<b>13.5%</b>	<b>332</b>	<b>686</b>	<b>796</b>	<b>1,814</b>
<b>29-1000</b>	<b>Health Diagnosing &amp; Treating Practitioners</b>	<b>15,850</b>	<b>18,150</b>	<b>14.5%</b>	<b>230</b>	<b>415</b>	<b>426</b>	<b>1,071</b>
29-1011	Chiropractors	110	110	0.0%	0	2	1	3
29-1021	Dentists, General	190	200	5.3%	1	4	2	7
29-1031	Dietitians & Nutritionists	230	260	13.0%	3	8	8	19
29-1041	Optometrists	70	80	14.3%	1	1	1	3
29-1051	Pharmacists	760	760	0.0%	0	18	16	34
29-1062	Family & General Practitioners	70	80	14.3%	1	1	1	3
29-1069	Physicians & Surgeons, Other	1,390	1,520	9.4%	13	24	19	56
29-1071	Physician Assistants	580	770	32.8%	19	10	28	57
29-1081	Podiatrists	30	30	0.0%	0	1	1	2
29-1122	Occupational Therapists	350	420	20.0%	7	9	13	29
29-1123	Physical Therapists	510	630	23.5%	11	10	13	34
29-1125	Recreational Therapists	50	60	20.0%	1	1	1	3
29-1126	Respiratory Therapists	450	550	22.2%	10	14	13	37
29-1127	Speech-Language Pathologists	470	580	23.4%	11	10	18	39
29-1131	Veterinarians	190	230	21.1%	4	4	4	12
29-1141	Registered Nurses	9,270	10,560	13.9%	129	275	254	658
29-1171	Nurse Practitioners	390	510	30.8%	12	9	15	36
<b>29-2000</b>	<b>Health Technologists &amp; Technicians</b>	<b>8,360</b>	<b>9,330</b>	<b>11.6%</b>	<b>97</b>	<b>261</b>	<b>354</b>	<b>712</b>
29-2010	Clinical Laboratory Technologists & Technicians	910	990	8.8%	8	26	34	68
29-2021	Dental Hygienists	660	720	9.1%	6	29	17	52
29-2031	Cardiovascular Technologists & Technicians	220	240	9.1%	2	6	7	15
29-2032	Diagnostic Medical Sonographers	260	310	19.2%	5	7	9	21
29-2034	Radiologic Technologists	790	860	8.9%	7	20	25	52
29-2035	Magnetic Resonance Imaging Technologists	110	120	9.1%	1	3	3	7
29-2041	Emergency Medical Technicians & Paramedics	670	710	6.0%	4	12	34	50

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29-2052	Pharmacy Technicians	850	920	8.2%	7	26	46	79
29-2055	Surgical Technologists	300	340	13.3%	3	9	16	28
29-2056	Veterinary Technologists & Technicians	330	420	27.3%	9	11	20	40
29-2061	Licensed Practical & Licensed Vocational Nurses	1,840	2,120	15.2%	27	67	84	178
29-2071	Medical Records & Health Information Technicians	450	500	11.1%	5	14	16	35
29-2081	Opticians, Dispensing	210	230	9.5%	3	9	9	21
29-2091	Orthotists & Prosthetists	30	40	33.3%	1	1	1	3
29-2099	Health Technologists & Technicians, Other	370	410	10.8%	4	10	16	30
<b>29-9000</b>	<b>Other Healthcare Practitioners &amp; Technical Occupations</b>	<b>450</b>	<b>500</b>	<b>11.1%</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>32</b>
29-9011	Occupational Health & Safety Specialists	190	200	5.3%	2	4	6	12
29-9012	Occupational Health & Safety Technicians	50	50	0.0%	0	1	2	3
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>11,330</b>	<b>13,450</b>	<b>18.7%</b>	<b>212</b>	<b>612</b>	<b>786</b>	<b>1,610</b>
<b>31-1000</b>	<b>Nursing, Psychiatric &amp; Home Health Aides</b>	<b>6,710</b>	<b>7,920</b>	<b>18.0%</b>	<b>121</b>	<b>393</b>	<b>426</b>	<b>940</b>
31-1011	Home Health Aides	1,770	2,380	34.5%	61	111	121	293
31-1014	Nursing Assistants	4,480	5,010	11.8%	53	255	277	585
<b>31-2000</b>	<b>Occupational &amp; Physical Therapist Assistants &amp; Aides</b>	<b>480</b>	<b>620</b>	<b>29.2%</b>	<b>14</b>	<b>24</b>	<b>41</b>	<b>79</b>
31-2011	Occupational Therapy Assistants	160	220	37.5%	6	8	12	26
31-2021	Physical Therapist Assistants	270	340	25.9%	7	13	25	45
<b>31-9000</b>	<b>Other Healthcare Support Occupations</b>	<b>4,140</b>	<b>4,910</b>	<b>18.6%</b>	<b>77</b>	<b>195</b>	<b>319</b>	<b>591</b>
31-9011	Massage Therapists	300	380	26.7%	8	21	18	47
31-9091	Dental Assistants	610	670	9.8%	6	30	42	78
31-9092	Medical Assistants	2,200	2,690	22.3%	49	96	174	319
31-9093	Medical Equipment Preparers	130	140	7.7%	1	6	8	15
31-9094	Medical Transcriptionists	70	60	-14.3%	-1	4	5	8
31-9095	Pharmacy Aides	130	120	-7.7%	-1	6	10	15
31-9097	Phlebotomists	510	610	19.6%	10	21	38	69
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>5,410</b>	<b>5,650</b>	<b>4.4%</b>	<b>25</b>	<b>281</b>	<b>364</b>	<b>670</b>
<b>33-1000</b>	<b>Supervisors - Protective Service Workers</b>	<b>260</b>	<b>270</b>	<b>3.8%</b>	<b>1</b>	<b>8</b>	<b>12</b>	<b>21</b>
33-1012	Supervisors - Police & Detectives	110	120	9.1%	0	3	4	7
33-1099	Supervisors - Protective Service Workers, Other	110	120	9.1%	1	4	7	12
<b>33-2000</b>	<b>Fire Fighting &amp; Prevention Workers</b>	<b>200</b>	<b>210</b>	<b>5.0%</b>	<b>1</b>	<b>4</b>	<b>10</b>	<b>15</b>
<b>33-3000</b>	<b>Law Enforcement Workers</b>	<b>1,870</b>	<b>1,900</b>	<b>1.6%</b>	<b>3</b>	<b>51</b>	<b>88</b>	<b>142</b>
33-3021	Detectives & Criminal Investigators	90	90	0.0%	0	2	4	6
33-3041	Parking Enforcement Workers	20	10	-50.0%	-1	0	1	0
33-3051	Police & Sheriff's Patrol Officers	1,340	1,400	4.5%	6	33	63	102

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<b>33-9000</b>	<b>Other Protective Service Workers</b>	<b>3,080</b>	<b>3,280</b>	<b>6.5%</b>	<b>20</b>	<b>218</b>	<b>253</b>	<b>491</b>
33-9011	Animal Control Workers	10	20	100.0%	0	1	1	2
33-9021	Private Detectives & Investigators	90	100	11.1%	0	3	5	8
33-9032	Security Guards	2,190	2,310	5.5%	12	115	175	302
33-9091	Crossing Guards	230	250	8.7%	1	28	11	40
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	330	370	12.1%	4	46	38	88
33-9099	Protective Service Workers, Other	170	180	5.9%	1	23	19	43
<b>35-0000</b>	<b>Food Preparation &amp; Serving Related Occupations</b>	<b>26,290</b>	<b>29,400</b>	<b>11.8%</b>	<b>311</b>	<b>1,961</b>	<b>2,869</b>	<b>5,141</b>
<b>35-1000</b>	<b>Supervisors, Food Preparation &amp; Serving Workers</b>	<b>1,900</b>	<b>2,110</b>	<b>11.1%</b>	<b>21</b>	<b>85</b>	<b>217</b>	<b>323</b>
35-1011	Chefs & Head Cooks	140	160	14.3%	2	4	15	21
35-1012	Supervisors - Food Preparation & Serving Workers	1,760	1,940	10.2%	19	81	202	302
<b>35-2000</b>	<b>Cooks &amp; Food Preparation Workers</b>	<b>5,180</b>	<b>5,870</b>	<b>13.3%</b>	<b>69</b>	<b>318</b>	<b>502</b>	<b>889</b>
35-2011	Cooks, Fast Food	500	460	-8.0%	-4	25	42	63
35-2012	Cooks, Institution & Cafeteria	950	1,060	11.6%	11	53	89	153
35-2014	Cooks, Restaurant	2,380	2,860	20.2%	48	139	232	419
35-2015	Cooks, Short Order	140	150	7.1%	1	8	13	22
35-2021	Food Preparation Workers	1,140	1,260	10.5%	12	88	120	220
<b>35-3000</b>	<b>Food &amp; Beverage Serving Workers</b>	<b>15,990</b>	<b>17,920</b>	<b>12.1%</b>	<b>193</b>	<b>1,266</b>	<b>1,832</b>	<b>3,291</b>
35-3011	Bartenders	1,400	1,450	3.6%	4	67	184	255
35-3021	Combined Food Preparation & Serving Workers	8,190	9,630	17.6%	144	710	876	1,730
35-3031	Waiters & Waitresses	5,140	5,460	6.2%	32	368	650	1,050
<b>35-9000</b>	<b>Other Food Preparation &amp; Serving Related Workers</b>	<b>3,230</b>	<b>3,510</b>	<b>8.7%</b>	<b>28</b>	<b>292</b>	<b>319</b>	<b>639</b>
35-9021	Dishwashers	1,530	1,610	5.2%	8	117	132	257
35-9031	Hosts & Hostesses: Restaurant, Lounge & Coffee Shop	890	990	11.2%	10	105	110	225
<b>37-0000</b>	<b>Building &amp; Grounds Cleaning &amp; Maintenance Occupations</b>	<b>11,520</b>	<b>12,270</b>	<b>6.5%</b>	<b>76</b>	<b>677</b>	<b>877</b>	<b>1,630</b>
<b>37-1000</b>	<b>Supervisors of Building &amp; Grounds Cleaning &amp; Maintenance Workers</b>	<b>780</b>	<b>840</b>	<b>7.7%</b>	<b>6</b>	<b>32</b>	<b>59</b>	<b>97</b>
37-1011	Supervisors - Housekeeping & Janitorial Workers	460	490	6.5%	4	20	34	58
37-1012	Supervisors - Landscaping & Groundskeeping Workers	330	350	6.1%	2	12	25	39
<b>37-2000</b>	<b>Building Cleaning &amp; Pest Control Workers</b>	<b>7,870</b>	<b>8,340</b>	<b>6.0%</b>	<b>46</b>	<b>523</b>	<b>554</b>	<b>1,123</b>
37-2011	Janitors & Cleaners	4,690	5,030	7.2%	34	297	343	674
37-2012	Maids & Housekeeping Cleaners	3,100	3,210	3.5%	12	223	202	437
<b>37-3000</b>	<b>Grounds Maintenance Workers</b>	<b>2,860</b>	<b>3,090</b>	<b>8.0%</b>	<b>23</b>	<b>122</b>	<b>264</b>	<b>409</b>
37-3011	Landscaping & Groundskeeping Workers	2,650	2,860	7.9%	22	113	244	379
<b>39-0000</b>	<b>Personal Care &amp; Service Occupations</b>	<b>16,430</b>	<b>18,860</b>	<b>14.8%</b>	<b>243</b>	<b>1,231</b>	<b>1,342</b>	<b>2,816</b>
<b>39-1000</b>	<b>Supervisors, Personal Care &amp; Service Workers</b>	<b>1,140</b>	<b>1,260</b>	<b>10.5%</b>	<b>13</b>	<b>49</b>	<b>78</b>	<b>140</b>

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<b>39-2000</b>	<b>Animal Care &amp; Service Workers</b>	<b>630</b>	<b>710</b>	<b>12.7%</b>	<b>9</b>	<b>46</b>	<b>62</b>	<b>117</b>
39-2011	Animal Trainers	60	60	0.0%	0	3	5	8
39-2021	Nonfarm Animal Caretakers	570	650	14.0%	8	42	56	106
<b>39-3000</b>	<b>Entertainment Attendants &amp; Related Workers</b>	<b>1,810</b>	<b>2,000</b>	<b>10.5%</b>	<b>20</b>	<b>180</b>	<b>209</b>	<b>409</b>
39-3031	Ushers, Lobby Attendants & Ticket Takers	450	470	4.4%	2	60	51	113
39-3091	Amusement & Recreation Attendants	530	590	11.3%	5	60	69	134
39-3093	Locker Room, Coatroom & Dressing Room Attendants	120	130	8.3%	1	13	15	29
<b>39-4000</b>	<b>Funeral Service Workers</b>	<b>230</b>	<b>250</b>	<b>8.7%</b>	<b>1</b>	<b>18</b>	<b>16</b>	<b>35</b>
<b>39-5000</b>	<b>Personal Appearance Workers</b>	<b>2,980</b>	<b>3,330</b>	<b>11.7%</b>	<b>35</b>	<b>188</b>	<b>198</b>	<b>421</b>
39-5012	Hairdressers, Hairstylists & Cosmetologists	2,360	2,640	11.9%	27	152	160	339
39-5092	Manicurists & Pedicurists	380	430	13.2%	5	22	24	51
39-5093	Shampooers	80	90	12.5%	1	5	5	11
39-5094	Skincare Specialists	150	170	13.3%	2	9	9	20
<b>39-9000</b>	<b>Other Personal Care &amp; Service Workers</b>	<b>9,540</b>	<b>11,190</b>	<b>17.3%</b>	<b>166</b>	<b>743</b>	<b>767</b>	<b>1,676</b>
39-9011	Childcare Workers	2,800	2,950	5.4%	15	212	216	443
39-9021	Personal Care Aides	5,280	6,630	25.6%	135	440	390	965
39-9031	Fitness Trainers & Aerobics Instructors	420	480	14.3%	6	27	48	81
39-9032	Recreation Workers	820	890	8.5%	7	51	91	149
<b>41-0000</b>	<b>Sales &amp; Related Occupations</b>	<b>28,670</b>	<b>29,220</b>	<b>1.9%</b>	<b>55</b>	<b>1,596</b>	<b>2,482</b>	<b>4,133</b>
<b>41-1000</b>	<b>Supervisors - Sales Workers</b>	<b>3,990</b>	<b>4,000</b>	<b>0.3%</b>	<b>1</b>	<b>136</b>	<b>290</b>	<b>427</b>
41-1011	Supervisors - Retail Sales Workers	3,110	3,120	0.3%	1	108	235	344
41-1012	Supervisors - Non-Retail Sales Workers	880	880	0.0%	0	28	55	83
<b>41-2000</b>	<b>Retail Sales Workers</b>	<b>16,740</b>	<b>16,720</b>	<b>-0.1%</b>	<b>-2</b>	<b>1,170</b>	<b>1,545</b>	<b>2,713</b>
41-2011	Cashiers	6,800	6,750	-0.7%	-5	605	674	1,274
41-2021	Counter & Rental Clerks	720	790	9.7%	6	38	58	102
41-2031	Retail Salespersons	8,780	8,730	-0.6%	-6	503	776	1,273
<b>41-3000</b>	<b>Sales Representatives, Services</b>	<b>3,680</b>	<b>4,020</b>	<b>9.2%</b>	<b>34</b>	<b>123</b>	<b>322</b>	<b>479</b>
41-3011	Advertising Sales Agents	150	150	0.0%	0	5	16	21
41-3021	Insurance Sales Agents	890	980	10.1%	9	34	57	100
41-3031	Securities, Commodities & Financial Services Sales Agents	520	580	11.5%	6	14	38	58
41-3041	Travel Agents	160	160	0.0%	-1	9	12	20
41-3099	Sales Representatives, Other Services	1,950	2,150	10.3%	20	61	199	280
<b>41-4000</b>	<b>Sales Representatives, Wholesale &amp; Manufacturing</b>	<b>3,010</b>	<b>3,180</b>	<b>5.6%</b>	<b>17</b>	<b>94</b>	<b>230</b>	<b>341</b>
41-4011	Sales Representatives, Technical & Scientific Products	160	180	12.5%	1	5	12	18
41-4012	Sales Representatives	2,850	3,000	5.3%	16	89	218	323

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<b>41-9000</b>	<b>Other Sales &amp; Related Workers</b>	<b>1,260</b>	<b>1,310</b>	<b>4.0%</b>	<b>5</b>	<b>72</b>	<b>95</b>	<b>172</b>
41-9011	Demonstrators & Product Promoters	250	280	12.0%	3	27	18	48
41-9022	Real Estate Sales Agents	470	500	6.4%	3	22	24	49
41-9031	Sales Engineers	120	130	8.3%	1	3	10	14
41-9099	Sales & Related Workers, Other	90	90	0.0%	0	4	8	12
<b>43-0000</b>	<b>Office &amp; Administrative Support Occupations</b>	<b>51,200</b>	<b>51,010</b>	<b>-0.4%</b>	<b>-19</b>	<b>2,493</b>	<b>3,559</b>	<b>6,033</b>
<b>43-1000</b>	<b>Supervisors - Office &amp; Administrative Support Workers</b>	<b>3,420</b>	<b>3,470</b>	<b>1.5%</b>	<b>5</b>	<b>129</b>	<b>232</b>	<b>366</b>
43-1011	Supervisors - Office & Administrative Support Workers	3,420	3,470	1.5%	5	129	232	366
<b>43-2000</b>	<b>Communications Equipment Operators</b>	<b>90</b>	<b>70</b>	<b>-22.2%</b>	<b>-2</b>	<b>4</b>	<b>6</b>	<b>8</b>
43-2011	Switchboard Operators	80	60	-25.0%	-2	4	5	7
43-2021	Telephone Operators	20	10	-50.0%	0	1	1	2
<b>43-3000</b>	<b>Financial Clerks</b>	<b>6,440</b>	<b>6,350</b>	<b>-1.4%</b>	<b>-9</b>	<b>322</b>	<b>415</b>	<b>728</b>
43-3011	Bill & Account Collectors	1,010	950	-5.9%	-6	38	79	111
43-3021	Billing & Posting Clerks	1,280	1,420	10.9%	14	56	91	161
43-3031	Bookkeeping, Accounting & Auditing Clerks	2,690	2,610	-3.0%	-8	161	148	301
43-3051	Payroll & Timekeeping Clerks	390	390	0.0%	0	18	25	43
43-3061	Procurement Clerks	100	100	0.0%	0	3	7	10
43-3071	Tellers	940	840	-10.6%	-10	44	64	98
<b>43-4000</b>	<b>Information &amp; Record Clerks</b>	<b>12,740</b>	<b>12,940</b>	<b>1.6%</b>	<b>20</b>	<b>648</b>	<b>1,031</b>	<b>1,699</b>
43-4011	Brokerage Clerks	50	70	40.0%	1	3	3	7
43-4031	Court, Municipal & License Clerks	140	140	0.0%	1	6	7	14
43-4041	Credit Authorizers, Checkers & Clerks	70	70	0.0%	0	2	5	7
43-4051	Customer Service Representatives	6,910	6,890	-0.3%	-1	331	588	918
43-4061	Eligibility Interviewers, Government Programs	200	200	0.0%	0	8	11	19
43-4071	File Clerks	460	410	-10.9%	-6	25	29	48
43-4081	Hotel, Motel & Resort Desk Clerks	370	350	-5.4%	-2	20	41	59
43-4111	Interviewers	670	700	4.5%	4	35	49	88
43-4121	Library Assistants, Clerical	280	280	0.0%	-1	22	20	41
43-4131	Loan Interviewers & Clerks	240	260	8.3%	2	9	16	27
43-4151	Order Clerks	170	170	0.0%	-1	7	12	18
43-4161	Human Resources Assistants	290	290	0.0%	0	11	22	33
43-4171	Receptionists & Information Clerks	2,530	2,740	8.3%	21	153	201	375
43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	250	260	4.0%	1	11	18	30
43-4199	Information & Record Clerks, Other	60	60	0.0%	0	3	4	7
<b>43-5000</b>	<b>Material Recording, Scheduling, Dispatching &amp; Distributing Workers</b>	<b>11,240</b>	<b>11,550</b>	<b>2.8%</b>	<b>32</b>	<b>492</b>	<b>811</b>	<b>1,335</b>

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SOC Code	Occupational Title	Employment Outlook			Annual Demand			
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43-5011	Cargo & Freight Agents	230	250	8.7%	2	8	14	24
43-5021	Couriers & Messengers	190	210	10.5%	2	8	11	21
43-5031	Police, Fire & Ambulance Dispatchers	120	120	0.0%	0	4	7	11
43-5032	Dispatchers	570	590	3.5%	2	20	34	56
43-5041	Meter Readers, Utilities	80	80	0.0%	0	3	4	7
43-5051	Postal Service Clerks	120	110	-8.3%	-1	5	4	8
43-5052	Postal Service Mail Carriers	730	660	-9.6%	-7	25	26	44
43-5053	Postal Service Mail Sorters, Processors & Processing Machine Operators	350	300	-14.3%	-5	15	12	22
43-5061	Production, Planning & Expediting Clerks	1,140	1,280	12.3%	14	40	86	140
43-5071	Shipping, Receiving & Traffic Clerks	1,940	1,980	2.1%	4	66	129	199
43-5081	Stock Clerks & Order Fillers	5,620	5,810	3.4%	19	289	472	780
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	160	170	6.2%	1	8	11	20
<b>43-6000</b>	<b>Secretaries &amp; Administrative Assistants</b>	<b>7,120</b>	<b>6,860</b>	<b>-3.7%</b>	<b>-27</b>	<b>358</b>	<b>424</b>	<b>755</b>
43-6011	Executive Secretaries & Executive Administrative Assistants	760	630	-17.1%	-13	36	42	65
43-6012	Legal Secretaries	160	130	-18.8%	-3	8	9	14
43-6013	Medical Secretaries	1,380	1,590	15.2%	21	76	90	187
43-6014	Secretaries	4,820	4,500	-6.6%	-32	239	283	490
<b>43-9000</b>	<b>Other Office &amp; Administrative Support Workers</b>	<b>10,150</b>	<b>9,780</b>	<b>-3.6%</b>	<b>-37</b>	<b>539</b>	<b>640</b>	<b>1,142</b>
43-9011	Computer Operators	30	20	-33.3%	-1	1	2	2
43-9021	Data Entry Keyers	260	200	-23.1%	-6	10	16	20
43-9022	Word Processors & Typists	190	130	-31.6%	-6	9	10	13
43-9041	Insurance Claims & Policy Processing Clerks	640	640	0.0%	0	24	40	64
43-9051	Mail Clerks & Mail Machine Operators	160	150	-6.2%	-1	7	10	16
43-9061	Office Clerks, General	8,380	8,170	-2.5%	-21	462	528	969
43-9111	Statistical Assistants	30	40	33.3%	0	1	3	4
43-9199	Office & Administrative Support Workers, Other	140	150	7.1%	1	6	11	18
<b>45-0000</b>	<b>Farming, Fishing &amp; Forestry Occupations</b>	<b>1,080</b>	<b>980</b>	<b>-9.3%</b>	<b>-10</b>	<b>41</b>	<b>126</b>	<b>157</b>
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>1,020</b>	<b>920</b>	<b>-9.8%</b>	<b>-10</b>	<b>38</b>	<b>119</b>	<b>147</b>
45-2041	Graders & Sorters, Agricultural Products	20	20	0.0%	0	1	2	3
45-2093	Farmworkers, Farm, Ranch & Aquacultural Animals	170	160	-5.9%	-1	6	20	25
45-2099	Agricultural Workers, Other	10	10	0.0%	0	0	1	1
<b>47-0000</b>	<b>Construction &amp; Extraction Occupations</b>	<b>11,060</b>	<b>12,110</b>	<b>9.5%</b>	<b>105</b>	<b>377</b>	<b>898</b>	<b>1,380</b>
<b>47-1000</b>	<b>Supervisors - Construction &amp; Extraction Workers</b>	<b>790</b>	<b>870</b>	<b>10.1%</b>	<b>8</b>	<b>25</b>	<b>62</b>	<b>95</b>
47-1011	Supervisors - Construction Trades & Extraction Workers	790	870	10.1%	8	25	62	95
<b>47-2000</b>	<b>Construction Trades Workers</b>	<b>8,790</b>	<b>9,650</b>	<b>9.8%</b>	<b>86</b>	<b>290</b>	<b>713</b>	<b>1,089</b>

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47-2021	Brickmasons & Blockmasons	140	150	7.1%	1	4	10	15
47-2022	Stonemasons	20	20	0.0%	0	0	1	1
47-2031	Carpenters	1,890	2,040	7.9%	15	61	142	218
47-2041	Carpet Installers	150	150	0.0%	0	4	10	14
47-2044	Tile & Marble Setters	210	250	19.0%	4	7	16	27
47-2051	Cement Masons & Concrete Finishers	240	270	12.5%	3	8	19	30
47-2061	Construction Laborers	2,140	2,360	10.3%	22	75	175	272
47-2071	Paving, Surfacing & Tamping Equipment Operators	60	60	0.0%	0	3	5	8
47-2073	Operating Engineers & Other Construction Equipment Operators	660	710	7.6%	6	23	56	85
47-2111	Electricians	1,020	1,110	8.8%	10	33	91	134
47-2141	Painters, Construction & Maintenance	490	520	6.1%	3	18	34	55
47-2152	Plumbers, Pipefitters & Steamfitters	960	1,100	14.6%	13	30	84	127
47-2181	Roofers	230	260	13.0%	3	6	19	28
47-2221	Structural Iron & Steel Workers	160	180	12.5%	2	5	16	23
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>250</b>	<b>270</b>	<b>8.0%</b>	<b>2</b>	<b>8</b>	<b>26</b>	<b>36</b>
47-3013	Helpers--Electricians	190	200	5.3%	1	6	20	27
<b>47-4000</b>	<b>Other Construction &amp; Related Workers</b>	<b>1,110</b>	<b>1,200</b>	<b>8.1%</b>	<b>8</b>	<b>49</b>	<b>86</b>	<b>143</b>
47-4011	Construction & Building Inspectors	270	290	7.4%	2	16	19	37
47-4031	Fence Erectors	100	110	10.0%	1	4	8	13
47-4041	Hazardous Materials Removal Workers	130	150	15.4%	2	6	12	20
47-4051	Highway Maintenance Workers	430	440	2.3%	2	18	31	51
47-4061	Rail-Track Laying & Maintenance Equipment Operators	20	20	0.0%	0	0	1	1
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	120	140	16.7%	1	4	11	16
<b>47-5000</b>	<b>Extraction Workers</b>	<b>110</b>	<b>120</b>	<b>9.1%</b>	<b>1</b>	<b>4</b>	<b>11</b>	<b>16</b>
<b>49-0000</b>	<b>Installation, Maintenance &amp; Repair Occupations</b>	<b>13,120</b>	<b>14,040</b>	<b>7.0%</b>	<b>91</b>	<b>425</b>	<b>897</b>	<b>1,413</b>
<b>49-1000</b>	<b>Supervisors - Installation, Maintenance &amp; Repair Workers</b>	<b>1,030</b>	<b>1,100</b>	<b>6.8%</b>	<b>8</b>	<b>33</b>	<b>64</b>	<b>105</b>
49-1011	Supervisors - Mechanics, Installers & Repairers	1,030	1,100	6.8%	8	33	64	105
<b>49-2000</b>	<b>Electrical &amp; Electronic Equipment Mechanics, Installers &amp; Repairers</b>	<b>1,030</b>	<b>1,090</b>	<b>5.8%</b>	<b>6</b>	<b>27</b>	<b>85</b>	<b>118</b>
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equipment	10	10	0.0%	0	0	1	1
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	170	180	5.9%	2	3	12	17
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation & Relay	70	70	0.0%	0	1	5	6
49-2098	Security & Fire Alarm Systems Installers	190	210	10.5%	3	6	18	27
<b>49-3000</b>	<b>Vehicle &amp; Mobile Equipment Mechanics, Installers</b>	<b>4,140</b>	<b>4,310</b>	<b>4.1%</b>	<b>17</b>	<b>120</b>	<b>290</b>	<b>427</b>
49-3011	Aircraft Mechanics & Service Technicians	60	60	0.0%	0	2	3	5
49-3021	Automotive Body & Related Repairers	360	390	8.3%	2	12	24	38

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49-3023	Automotive Service Technicians & Mechanics	2,490	2,540	2.0%	6	68	177	251
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	620	680	9.7%	6	18	42	66
49-3042	Mobile Heavy Equipment Mechanics	240	260	8.3%	2	8	17	27
49-3051	Motorboat Mechanics & Service Technicians	20	20	0.0%	0	1	1	2
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	50	50	0.0%	0	2	3	5
49-3093	Tire Repairers & Changers	210	220	4.8%	1	6	17	24
<b>49-9000</b>	<b>Other Installation, Maintenance &amp; Repair Occupations</b>	<b>6,930</b>	<b>7,540</b>	<b>8.8%</b>	<b>61</b>	<b>244</b>	<b>457</b>	<b>762</b>
49-9012	Control & Valve Installers & Repairers	90	90	0.0%	0	2	5	7
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	680	750	10.3%	7	20	50	77
49-9041	Industrial Machinery Mechanics	960	1,070	11.5%	11	32	61	104
49-9043	Maintenance Workers, Machinery	230	260	13.0%	3	9	13	25
49-9044	Millwrights	210	240	14.3%	3	6	13	22
49-9062	Medical Equipment Repairers	60	60	0.0%	0	2	4	6
49-9071	Maintenance & Repair Workers, General	3,630	3,950	8.8%	32	133	234	399
49-9091	Coin, Vending & Amusement Machine Servicers & Repairers	80	70	-12.5%	-1	3	6	8
49-9097	Signal & Track Switch Repairers	10	10	0.0%	0	0	0	0
49-9098	Helpers--Installation, Maintenance & Repair Workers	260	280	7.7%	2	14	20	36
49-9099	Installation, Maintenance & Repair Workers, Other	130	140	7.7%	0	5	9	14
<b>51-0000</b>	<b>Production Occupations</b>	<b>23,380</b>	<b>23,530</b>	<b>0.6%</b>	<b>14</b>	<b>925</b>	<b>1,788</b>	<b>2,727</b>
<b>51-1000</b>	<b>Supervisors - Production Workers</b>	<b>1,640</b>	<b>1,720</b>	<b>4.9%</b>	<b>7</b>	<b>53</b>	<b>118</b>	<b>178</b>
51-1011	Supervisors - Production & Operating Workers	1,640	1,720	4.9%	7	53	118	178
<b>51-2000</b>	<b>Assemblers &amp; Fabricators</b>	<b>5,100</b>	<b>4,990</b>	<b>-2.2%</b>	<b>-10</b>	<b>201</b>	<b>380</b>	<b>571</b>
51-2028	Electrical, Electronic, & Electromechanical Assemblers	1,140	1,190	4.4%	5	50	82	137
51-2031	Engine & Other Machine Assemblers	180	160	-11.1%	-2	4	16	18
51-2041	Structural Metal Fabricators & Fitters	320	290	-9.4%	-4	7	25	28
51-2098	Assemblers & Fabricators, All Other	3,390	3,290	-2.9%	-10	137	252	379
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>1,200</b>	<b>1,270</b>	<b>5.8%</b>	<b>7</b>	<b>66</b>	<b>102</b>	<b>175</b>
51-3011	Bakers	540	560	3.7%	2	32	43	77
51-3021	Butchers & Meat Cutters	190	190	0.0%	1	8	16	25
51-3092	Food Batchmakers	310	330	6.5%	2	19	28	49
<b>51-4000</b>	<b>Metal Workers &amp; Plastic Workers</b>	<b>4,690</b>	<b>4,840</b>	<b>3.2%</b>	<b>15</b>	<b>156</b>	<b>360</b>	<b>531</b>
51-4011	Computer-Controlled Machine Tool Operators	550	590	7.3%	4	16	42	62
51-4012	Computer Numerically Controlled Machine Tool Programmers	40	50	25.0%	1	1	3	5
51-4021	Extruding & Drawing Machine Operators	310	300	-3.2%	0	9	29	38
51-4031	Cutting, Punching & Press Machine Operators	330	320	-3.0%	-1	12	24	35

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51-4041	Machinists	770	830	7.8%	6	26	54	86
51-4072	Molding, Coremaking & Casting Machine Operators	400	400	0.0%	0	12	32	44
51-4081	Multiple Machine Tool Operators	440	470	6.8%	3	16	32	51
51-4111	Tool & Die Makers	200	200	0.0%	0	7	12	19
51-4121	Welders, Cutters, Solderers & Brazers	630	680	7.9%	5	17	55	77
51-4122	Welding, Soldering & Brazing Machine Operators	40	40	0.0%	0	1	4	5
<b>51-5100</b>	<b>Printing Workers</b>	<b>520</b>	<b>470</b>	<b>-9.6%</b>	<b>-5</b>	<b>20</b>	<b>35</b>	<b>50</b>
51-5111	Prepress Technician & Workers	40	30	-25.0%	-1	1	3	3
51-5112	Printing Press Operators	420	390	-7.1%	-3	16	28	41
51-5113	Print Binding & Finishing Workers	50	40	-20.0%	-1	3	3	5
<b>51-6000</b>	<b>Textile, Apparel &amp; Furnishings Workers</b>	<b>1,320</b>	<b>1,210</b>	<b>-8.3%</b>	<b>-11</b>	<b>75</b>	<b>80</b>	<b>144</b>
51-6011	Laundry & Dry-Cleaning Workers	500	520	4.0%	2	32	36	70
51-6021	Pressers: Textile, Garment & Related Materials	80	70	-12.5%	-2	4	5	7
51-6031	Sewing Machine Operators	530	420	-20.8%	-10	28	26	44
51-6051	Sewers, Hand	20	20	0.0%	0	2	1	3
51-6062	Textile Cutting Machine Operators	30	30	0.0%	-1	1	2	2
51-6064	Textile Winding, Twisting & Drawing Out Machine Operators	50	50	0.0%	0	2	3	5
51-6093	Upholsterers	20	20	0.0%	0	1	2	3
<b>51-7000</b>	<b>Woodworkers</b>	<b>740</b>	<b>770</b>	<b>4.1%</b>	<b>3</b>	<b>33</b>	<b>55</b>	<b>91</b>
51-7011	Cabinetmakers & Bench Carpenters	340	350	2.9%	1	14	21	36
51-7021	Furniture Finishers	80	80	0.0%	0	4	5	9
51-7041	Sawing Machine Operators, Wood	140	140	0.0%	1	4	12	17
51-7042	Woodworking Machine Operators	190	200	5.3%	1	10	17	28
<b>51-8000</b>	<b>Plant &amp; System Operators</b>	<b>770</b>	<b>770</b>	<b>0.0%</b>	<b>0</b>	<b>21</b>	<b>56</b>	<b>77</b>
51-8013	Power Plant Operators	120	110	-8.3%	-1	2	8	9
51-8021	Stationary Engineers & Boiler Operators	200	200	0.0%	1	6	15	22
51-8031	Water & Wastewater Treatment Plant & System Operators	240	230	-4.2%	-1	7	14	20
51-8099	Plant & System Operators, Other	20	20	0.0%	0	0	2	2
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>7,410</b>	<b>7,500</b>	<b>1.2%</b>	<b>9</b>	<b>300</b>	<b>602</b>	<b>911</b>
51-9011	Chemical Equipment Operators	260	270	3.8%	1	7	24	32
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Operators	100	110	10.0%	1	3	10	14
51-9021	Crushing, Grinding & Polishing Machine Operators	100	100	0.0%	0	3	9	12
51-9022	Grinding & Polishing Workers, Hand	30	30	0.0%	-1	1	3	3
51-9023	Mixing & Blending Machine Operators	630	650	3.2%	2	19	55	76
51-9032	Cutting & Slicing Machine Operators	90	90	0.0%	0	4	7	11

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51-9041	Extruding, Forming, Pressing & Compacting Machine Operators	90	90	0.0%	0	4	6	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators	30	30	0.0%	0	1	2	3
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	1,550	1,340	-13.5%	-21	57	120	156
51-9081	Dental Laboratory Technicians	20	30	50.0%	0	1	2	3
51-9083	Ophthalmic Laboratory Technicians	50	60	20.0%	1	2	4	7
51-9111	Packaging & Filling Machine Operators	2,120	2,290	8.0%	18	97	159	274
51-9121	Coating, Painting & Spraying Machine Operators	170	180	5.9%	1	5	14	20
51-9122	Painters, Transportation Equipment	140	160	14.3%	1	4	12	17
51-9141	Semiconductor Processors	260	240	-7.7%	-1	9	19	27
51-9151	Photographic Process Workers & Processing Machine Operators	120	80	-33.3%	-4	5	11	12
51-9191	Adhesive Bonding Machine Operators	50	40	-20.0%	-1	2	4	5
51-9195	Molders, Shapers & Casters	90	100	11.1%	1	4	7	12
51-9196	Paper Goods Machine Operators	340	330	-2.9%	-1	10	26	35
51-9198	Helpers--Production Workers	770	860	11.7%	9	43	76	128
51-9199	Production Workers, Other	190	200	5.3%	1	7	15	23
<b>53-0000</b>	<b>Transportation &amp; Material Moving Occupations</b>	<b>39,330</b>	<b>43,800</b>	<b>11.4%</b>	<b>447</b>	<b>1,832</b>	<b>3,497</b>	<b>5,776</b>
<b>53-1000</b>	<b>Supervisors - Transportation &amp; Material Moving Workers</b>	<b>1,540</b>	<b>1,720</b>	<b>11.7%</b>	<b>18</b>	<b>52</b>	<b>122</b>	<b>192</b>
<b>53-2000</b>	<b>Air Transportation Workers</b>	<b>190</b>	<b>210</b>	<b>10.5%</b>	<b>2</b>	<b>6</b>	<b>15</b>	<b>23</b>
<b>53-3000</b>	<b>Motor Vehicle Operators</b>	<b>11,440</b>	<b>12,480</b>	<b>9.1%</b>	<b>104</b>	<b>554</b>	<b>822</b>	<b>1,480</b>
53-3021	Bus Drivers, Transit & Intercity	100	100	0.0%	0	8	5	13
53-3022	Bus Drivers, School or Special Client	1,170	1,270	8.5%	10	95	59	164
53-3031	Driver/Sales Workers	1,140	1,140	0.0%	0	47	83	130
53-3032	Heavy & Tractor-Trailer Truck Drivers	5,890	6,450	9.5%	56	254	448	758
53-3033	Light Truck or Delivery Services Drivers	2,240	2,430	8.5%	20	96	169	285
53-3041	Taxi Drivers & Chauffeurs	800	960	20.0%	16	47	48	111
53-4011	Locomotive Engineers	60	60	0.0%	0	2	4	6
53-4021	Railroad Brake, Signal & Switch Operators	30	30	0.0%	0	0	2	2
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>410</b>	<b>440</b>	<b>7.3%</b>	<b>3</b>	<b>20</b>	<b>42</b>	<b>65</b>
53-6021	Parking Lot Attendants	280	300	7.1%	2	15	30	47
53-6051	Transportation Inspectors	10	10	0.0%	0	0	1	1
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>25,580</b>	<b>28,780</b>	<b>12.5%</b>	<b>321</b>	<b>1,196</b>	<b>2,484</b>	<b>4,001</b>
53-7011	Conveyor Operators	50	50	0.0%	0	2	4	6
53-7021	Crane & Tower Operators	50	50	0.0%	0	2	4	6
53-7051	Industrial Truck & Tractor Operators	3,800	4,110	8.2%	31	118	327	476
53-7061	Cleaners of Vehicles & Equipment	1,000	1,080	8.0%	8	52	100	160

**Lehigh Valley WDA  
Occupational Employment  
2018-2028 Long-Term Projections**

SOC Code	Occupational Title	Employment Outlook			Annual Demand			
		Estimated 2018	Projected 2028	Percent Change	Due to Growth <sup>1/</sup>	Due to Exits <sup>2/</sup>	Due to Transfers <sup>3/</sup>	Total Demand <sup>4/</sup>
53-7062	Laborers & Freight, Stock & Material Movers	18,630	21,340	14.5%	271	903	1,873	3,047
53-7063	Machine Feeders & Offbearers	320	350	9.4%	3	17	28	48
53-7064	Packers & Packagers, Hand	1,470	1,510	2.7%	4	89	126	219
53-7081	Refuse & Recyclable Material Collectors	180	210	16.7%	2	11	16	29

FOOTNOTES:

Data may not add to totals due to rounding. Confidential data and occupations with employment less than 10 are not shown but are included in all sub-total and total employment values.

1/ Demand due to employment growth measures the numerical change in projected number of job gains or losses.

2/ Demand due to exits measure the projected number of workers leaving an occupation and exiting the workforce entirely.

3/ Demand due to transfers are the projected number of workers leaving an occupation and transferring to a different occupation.

4/ Total demand is the projected number of openings (positions) for workers entering the occupation. Defined as the sum of the demand due to growth, exits, and transfers.