

**NORTHWEST LOWER MICHIGAN AREA  
OCCUPATIONAL EMPLOYMENT FORECASTS  
2006 - 2016**

<u>Code</u>	<u>Occupation</u>	<u>Employment</u>		<u>Change</u>		<u>Annual Total</u>	<u>Average Growth</u>	<u>Openings Replace</u>	<u>Hourly Wage</u>
		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>145,840</b>	<b>160,250</b>	<b>14,410</b>	<b>9.9</b>	<b>4,810</b>	<b>1,545</b>	<b>3,265</b>	<b>\$17.01</b>
<b>11-0000</b>	<b>Management Occupations</b>	<b>7,745</b>	<b>8,095</b>	<b>350</b>	<b>4.5</b>	<b>179</b>	<b>40</b>	<b>139</b>	<b>\$37.42</b>
11-1011	Chief Executives	575	590	15	3.0	18	2	16	\$49.69
11-1021	General and Operations Managers	945	950	5	0.1	23	0	23	\$41.97
11-1031	Legislators	175	175	0	1.2	3	0	3	
11-2011	Advertising & Promotions Managers	15	20	5	12.5	0	0	0	\$46.76
11-2021	Marketing Managers	35	40	5	13.9	2	1	1	\$33.59
11-2022	Sales Managers	255	275	20	8.3	8	2	6	\$37.79
11-2031	Public Relations Managers	30	35	5	9.4	1	0	1	\$44.10
11-3011	Administrative Services Managers	150	160	10	8.0	5	1	4	\$32.91
11-3021	Computer & Information Systems Managers	90	105	15	14.1	3	1	2	\$40.01
11-3031	Financial Managers	220	245	25	10.4	5	2	3	\$35.94
11-3041	Compensation and Benefits Managers	25	25	0	0.0	0	0	0	\$45.44
11-3049	Human Resources Managers, All Other	30	30	0	10.7	1	0	1	\$48.85
11-3051	Industrial Production Managers	180	180	0	0.0	6	0	6	\$38.14
11-3061	Purchasing Managers	35	35	0	5.7	1	0	1	\$34.67
11-3071	Transport/Storage/Distribution Managers	30	30	0	-3.1	1	0	1	\$34.53
11-9011	Farm/Ranch/Other Agricultural Managers	650	690	40	6.3	9	4	5	\$40.39
11-9012	Farmers and Ranchers	2,025	1,975	-50	-2.3	18	0	18	\$40.39
11-9021	Construction Managers	210	235	25	13.0	6	3	3	\$42.60
11-9032	Education Administrators: Elem/Sec School	255	285	30	11.8	10	3	7	
11-9033	Education Administrators: Postsecondary	40	45	5	9.5	1	0	1	\$47.52
11-9039	Education Administrators: All Other	25	30	5	19.2	2	1	1	\$34.15
11-9041	Engineering Managers	130	135	5	5.4	4	1	3	\$40.33
11-9051	Food Service Managers	500	540	40	8.0	16	4	12	\$24.11
11-9061	Funeral Directors	20	20	0	15.8	1	0	1	\$30.33
11-9081	Lodging Managers	160	185	25	15.5	7	3	4	\$22.51
11-9111	Medical & Health Services Managers	175	205	30	17.2	6	3	3	\$39.46
11-9131	Postmasters & Mail Superintendents	70	70	0	1.5	2	0	2	\$29.27
11-9141	Property/Real Est/Community Assoc Manager	50	55	5	10.4	2	1	1	\$23.40
11-9151	Social/Community Service Managers	80	90	10	12.7	3	1	2	\$27.31
11-9199	Managers, All Other	530	590	60	11.1	17	6	11	\$33.03
<b>13-0000</b>	<b>Business &amp; Financial Operations Occupations</b>	<b>4,015</b>	<b>4,530</b>	<b>515</b>	<b>12.8</b>	<b>122</b>	<b>52</b>	<b>70</b>	<b>\$28.39</b>
13-1021	Purchasing Agents & Buyers, Farm Products	25	25	0	-4.2	0	0	0	\$22.76
13-1022	Wholesale/Retail Buyers, Ex Farm Products	85	90	5	2.3	2	0	2	\$19.81
13-1023	Purchasing Agents, Ex Wholesale/Retl/Farm	275	280	5	2.5	7	1	6	\$26.52
13-1031	Claims Adjusters/Examiners/Investigators	70	85	15	19.7	3	1	2	\$27.66
13-1041	Compliance Officer, Ex Ag/Con/Hlth/Sft/Tr	100	105	5	5.9	2	1	1	\$19.79
13-1051	Cost Estimators	415	495	80	19.8	17	8	9	\$27.49
13-1061	Emergency Management Specialists	15	15	0	6.3	0	0	0	\$28.87
13-1071	Employment/Recruit/Placement Specialists	35	40	5	8.3	1	0	1	\$22.46
13-1072	Compensation/Benefit/Job Anls Specialists	50	55	5	12.5	2	1	1	\$25.96
13-1073	Training & Development Specialists	115	125	10	8.6	4	1	3	\$17.94
13-1079	Human Resources, Training, and Labor Rela	160	175	15	8.6	5	1	4	\$22.10
13-1081	Logisticians	20	25	5	13.6	0	0	0	\$33.55
13-1111	Management Analysts	55	65	10	15.8	2	1	1	\$38.03
13-1121	Meeting and Convention Planners	65	75	10	10.6	2	1	1	\$17.95
13-1199	Business Operations Specialists-All Other	490	585	95	19.3	15	10	5	\$30.25
13-2011	Accountants and Auditors	970	1,125	155	16.2	33	16	17	\$33.46
13-2021	Appraisers/Assessors of Real Estate	180	210	30	14.8	7	3	4	\$25.71
13-2041	Credit Analysts	30	30	0	-3.3	1	0	1	\$26.86
13-2051	Financial Analysts	25	30	5	20.8	1	1	0	\$30.97
13-2052	Personal Financial Advisors	105	135	30	28.6	4	3	1	\$49.60
13-2053	Insurance Underwriters	25	25	0	17.4	1	0	1	\$31.00
13-2072	Loan Officers	340	365	25	6.1	6	2	4	\$28.60
13-2081	Tax Examiners/Collectors/Revenue Agents	30	30	0	6.9	1	0	1	\$31.09
13-2082	Tax Preparers	230	230	0	0.9	4	0	4	\$19.90
13-2099	Financial Specialists, All Other	65	70	5	11.1	3	1	2	\$29.29

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<u>Code</u>	<u>Occupation</u>	<u>Employment</u>		<u>Change</u>		<u>Annual Total</u>	<u>Average Growth</u>	<u>Openings Replace</u>	<u>Hourly Wage</u>
		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
<b>15-0000</b>	<b>Computer &amp; Mathematical Occupations</b>	<b>1,135</b>	<b>1,335</b>	<b>200</b>	<b>17.7</b>	<b>48</b>	<b>22</b>	<b>26</b>	<b>\$24.59</b>
15-1011	Computer/Information Scientists-Research	30	40	10	30.0	2	1	1	\$39.42
15-1021	Computer Programmers	240	230	-10	-5.8	5	0	5	\$24.84
15-1031	Computer Software Engineers-Applications	90	130	40	47.2	5	4	1	\$24.99
15-1041	Computer Support Specialists	240	260	20	8.4	9	2	7	\$21.87
15-1051	Computer Systems Analysts	65	85	20	31.3	4	2	2	\$30.21
15-1061	Database Administrators	25	35	10	26.9	1	1	0	\$32.70
15-1071	Network & Computer Systems Administrators	125	150	25	21.6	6	3	3	\$26.14
15-1081	Network Systems & Data Comm Analysts	225	310	85	36.9	13	8	5	\$25.05
15-1099	Computer Specialists, All Other	45	45	0	7.0	1	0	1	\$32.22
15-2031	Operations Research Analysts	30	35	5	6.5	1	0	1	\$41.23
<b>17-0000</b>	<b>Architecture &amp; Engineering Occupations</b>	<b>1,925</b>	<b>2,230</b>	<b>305</b>	<b>15.8</b>	<b>74</b>	<b>30</b>	<b>44</b>	<b>\$26.11</b>
17-1011	Architects, Except Landscape & Naval	85	100	15	18.8	4	2	2	\$25.55
17-1012	Landscape Architects	30	30	0	14.3	1	0	1	\$35.33
17-1022	Surveyors	85	105	20	25.0	5	2	3	\$27.21
17-2051	Civil Engineers	260	310	50	19.2	12	5	7	\$30.03
17-2071	Electrical Engineers	40	45	5	4.8	1	0	1	\$37.04
17-2072	Electronics Engineers, Except Computer	35	35	0	3.0	1	0	1	\$37.70
17-2081	Environmental Engineers	65	85	20	30.3	4	2	2	\$27.81
17-2112	Industrial Engineers	290	360	70	24.4	14	7	7	\$28.70
17-2131	Materials Engineers	20	20	0	15.8	0	0	0	\$39.67
17-2141	Mechanical Engineers	165	175	10	4.8	5	1	4	\$29.84
17-2199	Engineers, All Other	95	110	15	12.5	2	1	1	\$25.67
17-3011	Architectural and Civil Drafters	20	20	0	15.8	1	0	1	\$22.40
17-3013	Mechanical Drafters	120	125	5	4.1	5	1	4	\$20.99
17-3022	Civil Engineering Technicians	120	135	15	13.6	4	2	2	\$22.21
17-3023	Electrical/Electronic Engrn Technicians	50	50	0	4.1	1	0	1	\$25.42
17-3025	Environmental Engineering Technicians	15	20	5	29.4	1	1	0	\$22.14
17-3026	Industrial Engineering Technicians	125	140	15	12.7	5	2	3	\$19.47
17-3027	Mechanical Engineering Technicians	20	25	5	9.1	0	0	0	\$24.15
17-3029	Engineering Technicians, Ex Drafters, AO	60	60	0	5.1	1	0	1	\$28.27
17-3031	Surveying and Mapping Technicians	135	165	30	22.4	6	3	3	\$17.94
<b>19-0000</b>	<b>Life, Physical &amp; Social Science Occupations</b>	<b>905</b>	<b>1,005</b>	<b>100</b>	<b>11.1</b>	<b>33</b>	<b>11</b>	<b>22</b>	<b>\$25.00</b>
19-1023	Zoologists & Wildlife Biologists	20	20	0	-4.8	0	0	0	\$30.01
19-1031	Conservation Scientists	40	45	5	7.1	1	0	1	\$27.16
19-1032	Foresters	35	40	5	5.6	1	0	1	\$25.58
19-1042	Medical Scientists, Ex Epidemiologists	25	25	0	17.4	1	0	1	\$35.18
19-2031	Chemists	55	60	5	11.3	2	1	1	\$27.86
19-2041	Environment Scientist/Specialst, Inc Hlth	35	40	5	8.3	1	0	1	\$31.28
19-2042	Geoscientists: Ex Hydrologist/Geographers	25	25	0	-4.0	1	0	1	\$31.16
19-2043	Hydrologists	25	25	0	8.7	1	0	1	\$30.16
19-3021	Market Research Analysts	130	155	25	21.9	4	3	1	\$24.24
19-3031	Clinical/Counseling/School Psychologists	170	195	25	12.9	5	2	3	\$43.04
19-3051	Urban and Regional Planners	25	30	5	14.8	1	0	1	\$29.48
19-4031	Chemical Technicians	25	25	0	8.3	1	0	1	\$19.34
19-4061	Social Science Research Assistants	125	145	20	16.9	7	2	5	\$15.41
19-4093	Forest & Conservation Technicians	25	25	0	4.0	1	0	1	\$20.71
19-4099	Life/Physical/Soc Science Technicians, AO	45	40	-5	-4.5	2	0	2	\$17.84
<b>21-0000</b>	<b>Community &amp; Social Services Occupations</b>	<b>1,550</b>	<b>1,740</b>	<b>190</b>	<b>12.3</b>	<b>44</b>	<b>19</b>	<b>25</b>	<b>\$20.90</b>
21-1011	Substance Abuse/Behavrl Disordr Counselor	80	95	15	17.7	3	1	2	\$19.14
21-1012	Educational, Voc, & School Counselors	185	205	20	10.3	6	2	4	\$27.76
21-1014	Mental Health Counselors	60	65	5	8.6	2	1	1	\$21.44
21-1021	Child, Family, & School Social Workers	220	225	5	2.7	6	1	5	\$26.17
21-1022	Medical & Public Health Social Workers	145	175	30	21.4	6	3	3	\$21.58
21-1023	Mental Health/Substance Abuse Social Wrkr	30	35	5	16.1	2	1	1	\$20.90
21-1091	Health Educators	35	40	5	20.6	1	1	0	\$24.35

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		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
21-1092	Prob Officer/Correctnl Trtmnt Specialists	85	90	5	5.8	2	1	1	\$24.00
21-1093	Social & Human Service Assistants	460	545	85	18.0	13	8	5	\$13.11
21-1099	Community and Social Service Specialists,	150	160	10	4.6	3	1	2	\$16.72
21-2011	Clergy	30	35	5	10.0	0	0	0	\$18.48
21-2021	Directors, Religious Activities & Educ	30	35	5	12.9	1	0	1	\$17.99
21-2099	Religious Workers, All Other	15	15	0	6.7	0	0	0	\$14.15
<b>23-0000</b>	<b>Legal Occupations</b>	<b>665</b>	<b>765</b>	<b>100</b>	<b>14.9</b>	<b>22</b>	<b>10</b>	<b>12</b>	<b>\$26.54</b>
23-1011	Lawyers	450	520	70	16.3	16	7	9	\$28.55
23-1023	Judges, Magistrate Judges, & Magistrates	60	65	5	9.8	2	1	1	\$48.06
23-2011	Paralegals and Legal Assistants	40	50	10	26.8	2	1	1	\$16.92
23-2091	Court Reporters	30	35	5	10.0	1	0	1	\$21.78
23-2093	Title Examiners, Abstractors, & Searchers	55	55	0	3.6	1	0	1	\$17.39
<b>25-0000</b>	<b>Education, Training &amp; Library Occupations</b>	<b>7,690</b>	<b>8,565</b>	<b>875</b>	<b>11.4</b>	<b>235</b>	<b>88</b>	<b>147</b>	<b>\$22.26</b>
25-1011	Business Teachers- Postsecondary	30	40	10	18.8	2	1	1	
25-1022	Mathematical Science Teachers-Postsecond	25	30	5	16.7	0	0	0	
25-1042	Biological Science Teachers-Postsecondary	15	15	0	13.3	0	0	0	
25-1066	Psychology Teachers- Postsecondary	20	20	0	15.8	0	0	0	
25-1071	Health Specialties Teachers-Postsecondary	45	55	10	19.1	2	1	1	
25-1072	Nursing Instructors & Teachers-Postsec	40	45	5	15.0	2	1	1	
25-1081	Education Teachers- Postsecondary	20	20	0	15.8	0	0	0	
25-1121	Art, Drama, & Music Teachers-Postsec	30	35	5	17.9	2	1	1	
25-1122	Communications Teachers- Postsecondary	35	40	5	18.2	2	1	1	
25-1123	English Language/Lit Teachers-Postsec	35	45	10	19.4	2	1	1	
25-1191	Graduate Teaching Assistants	60	70	10	17.2	2	1	1	
25-1194	Vocational Ed Teachers-Postsecondary	40	45	5	15.8	2	1	1	\$23.91
25-1199	Postsecondary Teachers, All Other	150	175	25	16.6	6	3	3	
25-2011	Preschool Teachers, Ex Special Education	140	155	15	11.3	4	2	2	\$12.20
25-2012	Kindergarten Teachers, Ex Special Ed	35	40	5	24.2	2	1	1	
25-2021	Elementary School Teachers, Ex Special Ed	1,110	1,210	100	9.0	34	10	24	
25-2022	Middle School Teachers, Ex Spec/Voc Ed	515	570	55	10.3	16	5	11	
25-2031	Secondary School Teachers, Ex Spec/Voc Ed	1,270	1,350	80	6.0	46	8	38	
25-2032	Vocational Ed Teachers, Secondary School	75	75	0	0.0	2	0	2	
25-2041	Special Ed Teachers, Pre/Kinder/Elem Schl	80	100	20	23.2	4	2	2	
25-2042	Special Education Teachers-Middle School	75	90	15	19.7	4	2	2	
25-2043	Special Ed Teachers-Secondary School	105	115	10	13.6	3	1	2	
25-3011	Adult Lit/Remedial/GED Teachers & Instruc	20	25	5	9.5	0	0	0	\$18.36
25-3021	Self-Enrichment Education Teachers	155	175	20	14.4	4	2	2	\$16.25
25-3099	Teachers & Instructors, All Other	1,950	2,225	275	14.1	49	28	21	
25-4021	Librarians	105	110	5	3.8	3	0	3	\$25.85
25-4031	Library Technicians	125	135	10	7.1	7	1	6	\$14.75
25-9021	Farm and Home Management Advisors	15	15	0	13.3	0	0	0	\$18.06
25-9031	Instructional Coordinators	225	280	55	24.1	8	5	3	\$28.03
25-9041	Teacher Assistants	965	1,060	95	9.8	26	10	16	
25-9099	Education, Training, and Library Workers,	45	50	5	6.5	1	0	1	\$25.47
<b>27-0000</b>	<b>Arts, Design, Entertain, Sports &amp; Media Occup.</b>	<b>2,330</b>	<b>2,530</b>	<b>200</b>	<b>8.7</b>	<b>80</b>	<b>22</b>	<b>58</b>	<b>\$16.25</b>
27-1011	Art Directors	15	20	5	12.5	0	0	0	\$35.63
27-1019	Artists & Related Workers, All Other	45	45	0	9.3	1	0	1	\$18.78
27-1021	Commercial & Industrial Designers	140	145	5	6.5	5	1	4	\$16.68
27-1022	Fashion Designers	15	25	10	35.3	2	1	1	\$28.20
27-1023	Floral Designers	170	170	0	0.6	5	0	5	\$10.19
27-1024	Graphic Designers	265	295	30	10.2	10	3	7	\$21.35
27-1025	Interior Designers	55	65	10	12.3	3	1	2	\$20.56
27-1026	Merchandise Displayers & Window Trimmers	70	75	5	8.8	3	1	2	\$14.40
27-2012	Producers and Directors	125	140	15	13.8	6	2	4	\$31.38
27-2021	Athletes and Sports Competitors	50	60	10	18.4	2	1	1	
27-2022	Coaches and Scouts	160	185	25	13.0	6	2	4	
27-2041	Music Directors and Composers	15	20	5	11.8	0	0	0	\$21.88

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		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
27-2042	Musicians and Singers	55	60	5	11.3	2	1	1	\$18.65
27-3011	Radio and Television Announcers	195	195	0	1.5	7	0	7	\$13.07
27-3022	Reporters and Correspondents	60	60	0	0.0	2	0	2	\$13.74
27-3031	Public Relations Specialists	310	350	40	12.9	6	4	2	\$19.76
27-3041	Editors	65	60	-5	-4.6	2	0	2	\$21.49
27-3042	Technical Writers	40	45	5	20.5	2	1	1	\$29.75
27-3043	Writers and Authors	80	90	10	8.6	3	1	2	\$26.18
27-3099	Media & Communication Workers, AO	20	20	0	16.7	0	0	0	\$20.74
27-4012	Broadcast Technicians	50	60	10	18.4	3	1	2	\$12.41
27-4021	Photographers	120	135	15	15.3	5	2	3	\$13.11
<b>29-0000</b>	<b>Healthcare Practitioners &amp; Technical Occupations</b>	<b>7,535</b>	<b>9,220</b>	<b>1,685</b>	<b>22.4</b>	<b>306</b>	<b>169</b>	<b>137</b>	<b>\$29.53</b>
29-1011	Chiropractors	90	110	20	25.0	3	2	1	\$35.22
29-1021	Dentists, General	145	160	15	11.0	5	2	3	\$80.64
29-1023	Orthodontists	20	20	0	16.7	0	0	0	
29-1029	Dentists, All Other Specialists	35	40	5	14.7	2	1	1	\$67.17
29-1031	Dietitians and Nutritionists	35	35	0	3.0	1	0	1	\$24.49
29-1041	Optometrists	70	80	10	14.3	2	1	1	\$56.66
29-1051	Pharmacists	240	280	40	18.1	8	4	4	\$46.17
29-1060	Physicians and Surgeons	430	515	85	20.0	15	8	7	\$48.72
29-1071	Physician Assistants	110	145	35	32.1	6	4	2	\$39.82
29-1111	Registered Nurses	2,825	3,555	730	25.8	120	73	47	\$26.44
29-1122	Occupational Therapists	100	120	20	21.2	4	2	2	\$21.72
29-1123	Physical Therapists	210	275	65	32.5	10	7	3	\$34.88
29-1124	Radiation Therapists	20	25	5	35.0	1	1	0	\$32.74
29-1125	Recreational Therapists	55	50	-5	-1.9	1	0	1	\$18.81
29-1126	Respiratory Therapists	50	65	15	26.9	2	1	1	\$24.29
29-1127	Speech-Language Pathologists	100	110	10	11.1	3	1	2	\$41.90
29-1131	Veterinarians	60	75	15	26.7	3	2	1	\$37.20
29-1199	Health Diagnose/Treat Practitioners, AO	70	90	20	26.8	3	2	1	\$33.57
29-2011	Medical/Clinical Laboratory Technologists	165	180	15	9.8	5	2	3	\$24.14
29-2012	Medical & Clinical Laboratory Technicians	215	250	35	17.8	7	4	3	\$14.46
29-2021	Dental Hygienists	265	340	75	29.7	13	8	5	\$29.50
29-2031	Cardiovascular Technologists/Technicians	55	70	15	32.1	3	2	1	\$21.03
29-2032	Diagnostic Medical Sonographers	60	75	15	21.7	2	1	1	\$27.34
29-2033	Nuclear Medicine Technologists	30	40	10	18.8	1	1	0	\$29.74
29-2034	Radiologic Technologists & Technicians	285	345	60	19.9	10	6	4	\$21.20
29-2041	Emergency Medical Tech & Paramedics	430	530	100	22.7	15	10	5	\$13.81
29-2051	Dietetic Technicians	45	50	5	9.1	1	0	1	\$15.70
29-2052	Pharmacy Technicians	340	435	95	27.7	19	9	10	\$12.43
29-2055	Surgical Technologists	80	105	25	28.0	5	2	3	\$16.95
29-2056	Veterinary Technologists & Technicians	25	30	5	30.4	2	1	1	\$15.67
29-2061	Licensed Practical & Licensed Voc Nurses	530	600	70	12.4	22	7	15	\$17.65
29-2071	Medical Records/Health Info Technicians	145	170	25	18.1	7	3	4	\$13.77
29-2081	Opticians, Dispensing	75	85	10	13.0	4	1	3	\$15.25
29-2099	Health Technologists and Technicians, All	15	20	5	12.5	0	0	0	\$21.08
29-9011	Occupational Health and Safety Specialist	25	25	0	8.0	1	0	1	\$30.30
29-9091	Athletic Trainers	25	40	15	52.0	2	1	1	
29-9099	Healthcare Practitioner/Tech Workers, AO	25	30	5	24.0	2	1	1	\$20.00
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>4,140</b>	<b>5,090</b>	<b>950</b>	<b>22.9</b>	<b>140</b>	<b>96</b>	<b>44</b>	<b>\$12.64</b>
31-1011	Home Health Aides	485	665	180	36.7	22	18	4	\$9.80
31-1012	Nursing Aides, Orderlies, & Attendants	2,065	2,405	340	16.5	53	34	19	\$12.31
31-2021	Physical Therapist Assistants	40	50	10	28.2	2	1	1	\$22.79
31-2022	Physical Therapist Aides	60	75	15	28.3	3	2	1	\$11.65
31-9011	Massage Therapists	245	275	30	13.2	6	3	3	\$9.18
31-9091	Dental Assistants	325	415	90	27.5	15	9	6	\$16.28
31-9092	Medical Assistants	580	805	225	39.6	30	23	7	\$13.57
31-9093	Medical Equipment Preparers	20	25	5	13.6	0	0	0	\$14.91
31-9094	Medical Transcriptionists	140	155	15	11.4	4	2	2	\$13.78
31-9095	Pharmacy Aides	35	30	-5	-16.7	0	0	0	\$10.17

**NORTHWEST LOWER MICHIGAN AREA  
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<u>Code</u>	<u>Occupation</u>	<u>Employment</u>		<u>Change</u>		<u>Annual Total</u>	<u>Average Growth</u>	<u>Openings Replace</u>	<u>Hourly Wage</u>
		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
31-9096	Veterinary Assist & Lab Animal Caretakers	105	140	35	35.0	5	4	1	\$11.00
31-9099	Healthcare Support Workers, All Other	35	40	5	8.1	1	0	1	\$14.49
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>2,325</b>	<b>2,550</b>	<b>225</b>	<b>9.7</b>	<b>92</b>	<b>23</b>	<b>69</b>	<b>\$17.91</b>
33-1011	First-Line Sup/Mgrs: Correctional Officers	75	80	5	6.8	3	1	2	\$28.03
33-1012	First-Line Sup/Mgrs: Police & Detectives	70	75	5	7.4	3	1	2	\$24.71
33-1099	First-Line Sup/Mgrs: Protective Serv Wrkrs	25	30	5	12.0	0	0	0	\$24.45
33-2011	Fire Fighters	150	160	10	8.8	6	1	5	\$20.20
33-3011	Bailiffs	15	15	0	6.7	0	0	0	\$17.22
33-3012	Correctional Officers and Jailers	635	700	65	10.1	21	6	15	\$21.26
33-3021	Detectives & Criminal Investigators	50	55	5	16.7	2	1	1	\$27.18
33-3041	Parking Enforcement Workers	30	30	0	7.1	1	0	1	\$13.99
33-3051	Police & Sheriff's Patrol Officers	370	395	25	6.2	12	2	10	\$22.30
33-9011	Animal Control Workers	25	25	0	8.3	1	0	1	\$16.48
33-9021	Private Detectives & Investigators	30	40	10	21.9	2	1	1	\$21.36
33-9031	Gaming Surveillance Officer/Investigators	80	85	5	8.7	3	1	2	\$15.75
33-9032	Security Guards	500	550	50	9.8	15	5	10	\$12.43
33-9092	Lifeguards, Ski Patrol, and Other Recreat	215	245	30	14.0	19	3	16	\$9.66
33-9099	Protective Service Workers, All Other	40	40	0	10.5	3	0	3	\$15.87
<b>35-0000</b>	<b>Food Preparation &amp; Serving Related Occupations</b>	<b>12,945</b>	<b>14,245</b>	<b>1,300</b>	<b>10.1</b>	<b>584</b>	<b>130</b>	<b>454</b>	<b>\$9.87</b>
35-1011	Chefs and Head Cooks	205	220	15	7.4	5	2	3	\$17.51
35-1012	First-Line Sup/Mgrs: Food Prep/Serv Wrkrs	980	1,060	80	8.3	15	8	7	\$16.76
35-2011	Cooks, Fast Food	580	615	35	6.4	20	4	16	\$8.16
35-2012	Cooks, Institution and Cafeteria	540	570	30	5.4	18	3	15	\$11.32
35-2014	Cooks, Restaurant	1,165	1,290	125	10.9	45	13	32	\$10.13
35-2015	Cooks, Short Order	290	305	15	5.5	10	2	8	\$10.47
35-2021	Food Preparation Workers	1,015	1,120	105	10.0	45	10	35	\$9.39
35-3011	Bartenders	570	640	70	11.9	28	7	21	\$8.92
35-3021	Combined Food Prep/Serv Wrkr, Inc Fast Fd	2,270	2,610	340	15.0	77	34	43	\$8.68
35-3022	Counter Attendants, Cafeteria/Concession	410	455	45	10.7	33	4	29	\$8.83
35-3031	Waiters and Waitresses	2,795	3,045	250	8.9	177	25	152	\$9.21
35-3041	Food Servers, Nonrestaurant	285	310	25	8.0	6	2	4	\$9.97
35-9011	Dining Room/Cafeteria Attend/Bartndr Help	475	525	50	10.1	25	5	20	\$8.89
35-9021	Dishwashers	805	875	70	8.4	40	7	33	\$8.42
35-9031	Hosts/Hostesses: Restaurant/Lounge/Coffee	540	595	55	10.1	43	6	37	\$8.64
<b>37-0000</b>	<b>Building, Grounds Cleaning &amp; Maintenance Occ.</b>	<b>7,235</b>	<b>8,275</b>	<b>1,040</b>	<b>14.4</b>	<b>223</b>	<b>104</b>	<b>119</b>	<b>\$11.45</b>
37-1011	First-Line Sup/Mgrs: Housekeep/Jntrl Wrkr	195	210	15	8.8	5	2	3	\$17.05
37-1012	First-Line Sup/Mgrs: Landscaping Workers	390	450	60	15.1	9	6	3	\$20.08
37-2011	Janitor/Cleaner, Ex Maid/Housekeep Cleanr	2,395	2,710	315	13.2	78	32	46	\$11.25
37-2012	Maids and Housekeeping Cleaners	2,065	2,340	275	13.2	66	27	39	\$9.78
37-3011	Landscaping & Groundskeeping Workers	2,085	2,435	350	17.0	63	35	28	\$11.77
37-3019	Grounds Maintenance Workers, All Other	85	100	15	20.5	3	2	1	
<b>39-0000</b>	<b>Personal Care &amp; Service Occupations</b>	<b>4,985</b>	<b>5,740</b>	<b>755</b>	<b>15.1</b>	<b>192</b>	<b>76</b>	<b>116</b>	<b>\$10.91</b>
39-1011	Gaming Supervisors	145	175	30	17.7	6	3	3	\$22.09
39-1012	Slot Key Persons	185	200	15	10.4	5	2	3	\$12.92
39-1021	First-Line Sup/Mgrs: Personal Serv Wrkrs	190	215	25	12.6	6	2	4	\$15.64
39-2011	Animal Trainers	25	30	5	18.5	2	1	1	\$12.50
39-2021	Nonfarm Animal Caretakers	210	270	60	28.1	9	6	3	\$11.24
39-3011	Gaming Dealers	385	465	80	20.6	16	8	8	\$8.82
39-3012	Gaming and Sports Book Writers and Runner	20	25	5	20.0	0	0	0	\$12.43
39-3031	Ushers, Lobby Attendants, & Ticket Takers	45	50	5	11.6	4	1	3	\$8.95
39-3091	Amusement & Recreation Attendants	320	370	50	16.6	21	5	16	\$9.42
39-3099	Entertainment Attend & Related Wrkrs, AO	15	20	5	12.5	1	0	1	\$9.10
39-4021	Funeral Attendants	55	65	10	20.8	2	1	1	\$9.45
39-5011	Barbers	45	50	5	6.5	1	0	1	\$14.24
39-5012	Hairdressers/Hairstylists/Cosmetologists	410	465	55	13.7	11	6	5	\$10.38

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		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
39-5092	Manicurists and Pedicurists	120	145	25	19.2	3	2	1	\$9.92
39-5094	Skin Care Specialists	60	80	20	31.1	3	2	1	\$16.15
39-6011	Baggage Porters and Bellhops	65	65	0	6.3	1	0	1	\$10.48
39-6021	Tour Guides and Escorts	60	65	5	10.0	3	1	2	\$10.12
39-9011	Child Care Workers	1,300	1,490	190	14.5	56	19	37	\$10.21
39-9021	Personal and Home Care Aides	460	530	70	15.0	15	7	8	\$9.40
39-9031	Fitness Trainers & Aerobics Instructors	230	280	50	22.7	9	5	4	\$15.06
39-9032	Recreation Workers	510	555	45	8.6	14	4	10	\$10.92
39-9041	Residential Advisors	20	25	5	14.3	1	0	1	\$13.13
39-9099	Personal Care & Service Workers, AO	85	80	-5	-3.5	2	0	2	\$8.74
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>18,380</b>	<b>20,035</b>	<b>1,655</b>	<b>9.0</b>	<b>725</b>	<b>171</b>	<b>554</b>	<b>\$14.73</b>
41-1011	First-Line Sup/Mgrs of Retail Sales Wrkrs	2,225	2,410	185	8.4	66	19	47	\$17.39
41-1012	First-Line Sup/Mgrs: NonRetail Sales Wrkr	325	355	30	9.3	8	3	5	\$29.02
41-2011	Cashiers	4,085	4,060	-25	-0.6	194	0	194	\$9.05
41-2012	Gaming Change Persons & Booth Cashiers	125	120	-5	-1.6	6	0	6	\$13.79
41-2021	Counter and Rental Clerks	630	755	125	19.9	37	13	24	\$10.67
41-2022	Parts Salespersons	210	200	-10	-4.3	2	0	2	\$14.54
41-2031	Retail Salespersons	6,030	6,780	750	12.5	261	75	186	\$12.00
41-3011	Advertising Sales Agents	180	210	30	17.1	6	3	3	\$25.36
41-3021	Insurance Sales Agents	495	585	90	18.3	20	9	11	\$31.57
41-3031	Security/Commodity/Finance Sales Agents	110	125	15	12.5	4	1	3	\$54.09
41-3041	Travel Agents	60	70	10	15.3	1	1	0	\$16.92
41-3099	Sales Representatives, Services, AO	315	380	65	21.3	14	7	7	\$19.64
41-4011	Sales Reps, Whlsl/Mfg, Tech/Scie Products	300	340	40	12.7	11	4	7	\$33.70
41-4012	Sales Reps, Whlsl/Mfg, Ex Tech/Sc Product	1,060	1,165	105	9.9	34	11	23	\$27.40
41-9011	Demonstrators & Product Promoters	80	90	10	14.1	3	1	2	\$11.00
41-9021	Real Estate Brokers	80	90	10	15.0	2	1	1	\$39.06
41-9022	Real Estate Sales Agents	640	715	75	11.7	18	8	10	\$26.63
41-9031	Sales Engineers	45	50	5	6.4	1	0	1	\$30.81
41-9041	Telemarketers	125	110	-15	-15.0	5	0	5	\$9.99
41-9099	Sales & Related Workers, All Other	115	130	15	12.9	3	2	1	\$12.69
<b>43-0000</b>	<b>Office &amp; Administrative Support Occupations</b>	<b>21,475</b>	<b>23,270</b>	<b>1,795</b>	<b>8.3</b>	<b>680</b>	<b>216</b>	<b>464</b>	<b>\$14.29</b>
43-1011	First-Line Sup/Mgrs: Office/Admin Support	905	935	30	3.3	22	3	19	\$18.98
43-2011	Switchboard Operators, Inc Answering Serv	95	85	-10	-12.6	2	0	2	\$11.51
43-3011	Bill and Account Collectors	250	300	50	20.2	9	5	4	\$15.68
43-3021	Billing & Posting Clerks & Mach Operators	615	680	65	10.4	14	6	8	\$14.09
43-3031	Bookkeeping/Accounting/Auditing Clerks	2,385	2,665	280	11.9	65	28	37	\$14.75
43-3041	Gaming Cage Workers	40	40	0	5.3	1	0	1	\$14.12
43-3051	Payroll and Timekeeping Clerks	215	210	-5	-1.4	5	0	5	\$16.08
43-3061	Procurement Clerks	25	25	0	8.0	1	0	1	\$20.30
43-3071	Tellers	760	820	60	8.2	39	6	33	\$10.56
43-4031	Court, Municipal, & License Clerks	320	350	30	9.0	10	3	7	\$14.76
43-4051	Customer Service Representatives	1,585	2,040	455	28.7	90	46	44	\$13.20
43-4061	Eligibility Interviewers, Gov Programs	55	50	-5	-5.5	1	0	1	\$16.18
43-4071	File Clerks	190	115	-75	-40.5	5	0	5	\$11.78
43-4081	Hotel, Motel, & Resort Desk Clerks	745	835	90	12.2	39	9	30	\$9.27
43-4111	Interviewers, Ex Eligibility & Loan	90	105	15	16.3	4	2	2	\$12.24
43-4121	Library Assistants, Clerical	105	110	5	8.7	4	1	3	\$10.18
43-4131	Loan Interviewers and Clerks	115	110	-5	-5.3	2	0	2	\$14.40
43-4141	New Accounts Clerks	85	65	-20	-21.4	3	0	3	\$15.35
43-4151	Order Clerks	120	90	-30	-24.0	3	0	3	\$13.02
43-4161	Human Resources Assist, Ex Payroll/Timekp	110	120	10	7.1	2	1	1	\$16.66
43-4171	Receptionists & Information Clerks	1,170	1,415	245	21.1	54	25	29	\$12.50
43-4181	Reservation/Transport Ticket Agents/Trvl	50	50	0	2.1	1	0	1	\$12.64
43-4199	Information & Record Clerks, AO	115	105	-10	-8.7	2	0	2	\$13.18
43-5021	Couriers and Messengers	175	175	0	-0.6	5	0	5	\$9.92
43-5031	Police, Fire, & Ambulance Dispatchers	125	140	15	10.3	4	1	3	\$17.09
43-5032	Dispatchers, Ex Police/Fire/Ambulance	130	130	0	1.6	3	0	3	\$15.20
43-5041	Meter Readers, Utilities	45	40	-5	-6.8	1	0	1	\$16.73

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		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
43-5051	Postal Service Clerks	85	85	0	3.6	2	0	2	\$24.35
43-5052	Postal Service Mail Carriers	450	465	15	3.6	15	2	13	\$22.53
43-5053	Postal Serv Mail Sort/Process/Mach Oper	160	150	-10	-6.2	2	0	2	\$22.37
43-5061	Production, Planning, & Expediting Clerks	240	255	15	6.3	9	2	7	\$18.37
43-5071	Shipping, Receiving, & Traffic Clerks	530	555	25	4.5	15	2	13	\$13.79
43-5081	Stock Clerks and Order Fillers	1,355	1,225	-130	-9.5	32	0	32	\$10.98
43-5111	Weighers/Measurr/Checkr/Samplr, Recordkpg	55	45	-10	-15.1	1	0	1	\$10.00
43-6011	Executive Secretaries & Admin Assistants	1,015	1,145	130	12.8	29	13	16	\$16.72
43-6012	Legal Secretaries	165	190	25	15.1	6	3	3	\$15.79
43-6013	Medical Secretaries	170	200	30	17.1	6	3	3	\$14.39
43-6014	Secretaries, Ex Legal/Medical/Executive	2,415	2,485	70	2.8	46	7	39	\$13.90
43-9011	Computer Operators	50	40	-10	-22.4	1	0	1	\$18.01
43-9021	Data Entry Keyers	180	160	-20	-10.1	4	0	4	\$11.42
43-9022	Word Processors and Typists	75	65	-10	-14.7	1	0	1	\$15.20
43-9031	Desktop Publishers	55	55	0	0.0	1	0	1	\$12.44
43-9041	Insurance Claims/Policy Processing Clerks	105	120	15	11.3	2	1	1	\$16.00
43-9051	Mail Clerks/Mail Mach Oper, Ex Postl Serv	35	30	-5	-21.6	1	0	1	\$10.49
43-9061	Office Clerks, General	3,535	4,010	475	13.5	113	48	65	\$14.93
43-9071	Office Machine Operators, Ex Computer	20	20	0	0.0	1	0	1	\$14.21
43-9199	Office/Administrative Support Workers, AO	120	110	-10	-9.2	3	0	3	\$14.33
<b>45-0000</b>	<b>Farming, Fishing &amp; Forestry Occupations</b>	<b>2,345</b>	<b>2,295</b>	<b>-50</b>	<b>-2.1</b>	<b>58</b>	<b>2</b>	<b>56</b>	<b>\$17.07</b>
45-1011	First-Line Sup/Mgrs: Farm/Fish/Forest Wrk	125	120	-5	-2.4	2	0	2	\$27.73
45-2041	Graders & Sorters, Agricultural Products	40	35	-5	-14.3	1	0	1	\$10.84
45-2091	Agricultural Equipment Operators	140	130	-10	-9.9	4	0	4	\$11.03
45-2092	Farmworker/Laborer: Crop/Nursery/Greenhse	1,520	1,510	-10	-0.9	38	0	38	\$14.87
45-2093	Farmworkers, Farm & Ranch Animals	190	165	-25	-12.1	5	0	5	\$13.38
45-2099	Agricultural Workers, All Other	35	30	-5	-8.6	1	0	1	\$17.01
45-4011	Forest and Conservation Workers	15	15	0	-5.9	1	0	1	\$17.01
45-4021	Fallers	20	20	0	5.3	0	0	0	\$12.09
45-4022	Logging Equipment Operators	180	190	10	6.7	5	1	4	\$18.84
45-4023	Log Graders and Scalers	35	35	0	-2.7	1	0	1	\$16.96
45-4029	Logging Workers, All Other	20	20	0	11.1	0	0	0	\$16.96
<b>47-0000</b>	<b>Construction &amp; Extraction Occupations</b>	<b>9,255</b>	<b>10,310</b>	<b>1,055</b>	<b>11.4</b>	<b>265</b>	<b>106</b>	<b>159</b>	<b>\$18.86</b>
47-1011	First-Line Sup/Mgrs: Construction/Extract	445	500	55	11.9	11	5	6	\$24.53
47-2021	Brickmasons and Blockmasons	450	520	70	15.1	16	7	9	\$21.42
47-2022	Stonemasons	30	35	5	9.4	1	0	1	\$16.22
47-2031	Carpenters	2,160	2,415	255	11.8	54	25	29	\$18.04
47-2042	Floor Layers, Ex Carpet/Wood/Hard Tiles	15	15	0	6.3	0	0	0	\$16.73
47-2044	Tile and Marble Setters	150	170	20	15.4	4	2	2	\$24.20
47-2051	Cement Masons & Concrete Finishers	235	265	30	11.9	10	3	7	\$17.33
47-2061	Construction Laborers	1,320	1,480	160	12.1	26	16	10	\$16.22
47-2071	Paving/Surfacing/Tamping Equip Operators	190	215	25	15.4	7	3	4	\$17.04
47-2073	Operating Engineer/Othr Constr Equip Oper	280	305	25	8.9	8	3	5	\$20.62
47-2081	Drywall & Ceiling Tile Installers	100	105	5	8.2	2	1	1	\$16.15
47-2111	Electricians	740	805	65	8.7	25	6	19	\$20.18
47-2121	Glaziers	40	45	5	10.0	1	0	1	\$19.51
47-2132	Insulation Workers, Mechanical	40	45	5	7.5	1	0	1	\$19.33
47-2141	Painters, Construction & Maintenance	660	730	70	10.7	19	7	12	\$15.61
47-2151	Pipelayers	15	20	5	12.5	0	0	0	\$19.02
47-2152	Plumbers, Pipefitters, & Steamfitters	620	695	75	12.3	21	8	13	\$24.64
47-2181	Roofers	155	180	25	15.4	6	2	4	\$17.86
47-2211	Sheet Metal Workers	175	195	20	10.2	6	2	4	\$25.50
47-2221	Structural Iron and Steel Workers	90	95	5	3.3	3	0	3	\$18.10
47-3011	Helpers: Brick/Block/Stone/Tile Setters	105	125	20	20.0	5	2	3	\$14.67
47-3012	Helpers: Carpenters	55	60	5	11.3	2	1	1	\$12.83
47-3015	Helpers: Pipelayer/Plumbr/Pipefit/Steamft	40	45	5	11.9	2	1	1	\$13.73
47-3016	Helpers: Roofers	70	75	5	7.2	3	1	2	\$13.48
47-4011	Construction & Building Inspectors	125	140	15	14.6	4	2	2	\$24.09
47-4031	Fence Erectors	30	35	5	15.6	2	1	1	\$14.73

**NORTHWEST LOWER MICHIGAN AREA  
OCCUPATIONAL EMPLOYMENT FORECASTS  
2006 - 2016**

<u>Code</u>	<u>Occupation</u>	<u>Employment</u>		<u>Change</u>		<u>Annual Total</u>	<u>Average Growth</u>	<u>Openings Replace</u>	<u>Hourly Wage</u>
		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
47-4051	Highway Maintenance Workers	525	570	45	9.4	15	5	10	\$18.35
47-4071	Septic Tank Servicers/Sewer Pipe Cleaners	75	85	10	11.7	3	1	2	\$13.64
47-4099	Construction and Related Workers, All Oth	15	15	0	0.0	0	0	0	\$18.63
47-5013	Service Unit Operators, Oil/Gas/Mining	135	145	10	9.7	2	1	1	\$16.34
47-5021	Earth Drillers, Except Oil & Gas	55	60	5	15.1	3	1	2	\$24.80
<b>49-0000</b>	<b>Installation, Maintenance &amp; Repair Occupations</b>	<b>5,280</b>	<b>5,700</b>	<b>420</b>	<b>8.0</b>	<b>129</b>	<b>44</b>	<b>85</b>	<b>\$17.48</b>
49-1011	First-Line Sup/Mgrs: Mechanic/Instll/Repr	325	340	15	5.6	10	2	8	\$24.99
49-2011	Computer/ATM/Office Machine Repairers	125	135	10	6.3	3	1	2	\$16.99
49-2022	Telecomm Equip Install/Repairers, Ex Line	155	145	-10	-5.2	4	0	4	\$25.54
49-2094	Electrical/Elect Repair, Comm/Ind Equip	60	65	5	6.6	2	0	2	\$18.61
49-2095	Electrical/Elec Repairer, Pwrhs/Subst/Rly	15	15	0	-5.9	1	0	1	\$30.15
49-2096	Electronic Equip Instll/Repair, Motor Veh	105	110	5	5.7	4	1	3	\$13.96
49-2097	Electronic Hm Entertain Equip Inst/Repair	25	30	5	11.1	0	0	0	\$17.75
49-2098	Security & Fire Alarm Systems Installers	50	60	10	20.0	2	1	1	\$17.97
49-3021	Automotive Body & Related Repairers	115	125	10	6.0	4	1	3	\$20.08
49-3022	Automotive Glass Installers & Repairers	20	20	0	5.6	1	0	1	\$16.69
49-3023	Automotive Service Technicians/Mechanics	880	970	90	10.2	27	9	18	\$16.78
49-3031	Bus/Truck Mechanics/Diesel Eng Specialist	245	265	20	8.6	7	2	5	\$16.70
49-3041	Farm Equipment Mechanics	45	50	5	6.5	1	0	1	\$16.35
49-3042	Mobile Heavy Equip Mechanics, Ex Engines	90	95	5	3.3	2	0	2	\$19.26
49-3051	Motorboat Mechanics	120	140	20	17.4	4	2	2	\$17.04
49-3053	Outdoor Power Equip/Small Engine Mechanic	120	120	0	-1.6	2	0	2	\$13.40
49-3093	Tire Repairers and Changers	150	170	20	14.0	5	2	3	\$11.28
49-9012	Control/Valve Instll/Repair, Ex Mech Door	105	120	15	13.3	3	1	2	\$18.38
49-9021	Heating/Air Cond/Refrig Mechanics/Instllr	95	105	10	10.5	3	1	2	\$21.18
49-9031	Home Appliance Repairers	115	130	15	11.2	4	1	3	\$14.56
49-9041	Industrial Machinery Mechanics	120	140	20	17.6	4	2	2	\$21.06
49-9042	Maintenance & Repair Workers, General	1,210	1,310	100	8.4	13	10	3	\$14.08
49-9043	Maintenance Workers, Machinery	95	95	0	-4.1	2	0	2	\$16.56
49-9044	Millwrights	35	40	5	8.6	0	0	0	\$32.23
49-9045	Refractory Material Repair, Ex Brickmason	40	40	0	7.7	1	0	1	\$25.84
49-9051	Electrical Power-Line Installr/Repairers	150	150	0	0.0	5	0	5	\$25.53
49-9052	Telecommunications Line Install/Repairers	35	35	0	0.0	1	0	1	\$18.60
49-9091	Coin/Vending/Amusement Mach Serv/Repairer	75	75	0	0.0	2	0	2	\$15.85
49-9094	Locksmiths and Safe Repairers	20	25	5	15.0	0	0	0	\$20.14
49-9095	Manufactured Building/Mobile Home Install	35	40	5	11.8	1	0	1	\$14.37
49-9098	Helpers: Install/Maint/Repair Workers	125	135	10	8.7	4	1	3	\$12.39
49-9099	Installation/Maint/Repair Workers, AO	335	375	40	12.0	6	4	2	\$18.06
<b>51-0000</b>	<b>Production Occupations</b>	<b>13,490</b>	<b>13,850</b>	<b>360</b>	<b>2.7</b>	<b>340</b>	<b>68</b>	<b>272</b>	<b>\$14.44</b>
51-1011	First-Line Sup/Mgrs: Productn/Oper Wrks	660	680	20	3.0	13	2	11	\$24.11
51-2021	Coil Winders, Tapers, & Finishers	15	15	0	-6.7	0	0	0	\$18.18
51-2022	Electrical & Electronic Equip Assemblers	135	105	-30	-23.7	2	0	2	\$14.26
51-2023	Electromechanical Equipment Assemblers	85	90	5	8.3	2	1	1	\$13.66
51-2031	Engine & Other Machine Assemblers	45	45	0	-6.4	1	0	1	\$20.69
51-2041	Structural Metal Fabricators & Fitters	30	35	5	9.7	1	0	1	\$16.91
51-2091	Fiberglass Laminators/Fabricators	205	215	10	3.9	5	1	4	\$15.79
51-2092	Team Assemblers	2,240	2,400	160	7.2	63	16	47	\$12.86
51-2099	Assemblers/Fabricators, All Other	115	110	-5	-4.4	2	0	2	\$15.74
51-3011	Bakers	150	165	15	10.6	5	2	3	\$10.54
51-3021	Butchers and Meat Cutters	100	105	5	5.1	4	1	3	\$13.99
51-3022	Meat, Poultry, & Fish Cutters & Trimmers	35	40	5	8.6	1	0	1	\$11.08
51-3091	Food/Tobco Roast/Bake/Dry Mach Oprs/Tndrs	260	285	25	8.4	12	2	10	\$13.58
51-3092	Food Batchmakers	135	145	10	9.8	4	1	3	\$14.08
51-3093	Food Cooking Machine Operators & Tenders	25	20	-5	-4.3	1	0	1	\$12.78
51-4011	Computer-Controlled Mach Tool Oper, M/P	330	385	55	16.3	9	5	4	\$15.06
51-4012	Numerical Tool/Process Control Programmer	30	30	0	3.2	0	0	0	\$22.54
51-4021	Extrude/Drawg Mach Settrs/Oprs/Tndrs, M/P	360	395	35	8.9	13	3	10	\$13.94
51-4022	Forging Machine Settrs/Oprs/Tndrs, M/P	75	55	-20	-27.4	2	0	2	\$13.95
51-4031	Cut/Punch/Press Mach Settrs/Opr/Tndr, M/P	370	355	-15	-4.0	9	0	9	\$12.78

**NORTHWEST LOWER MICHIGAN AREA  
OCCUPATIONAL EMPLOYMENT FORECASTS  
2006 - 2016**

<u>Code</u>	<u>Occupation</u>	<u>Employment</u>		<u>Change</u>		<u>Annual Total</u>	<u>Average Growth</u>	<u>Openings Replace</u>	<u>Hourly Wage</u>
		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
51-4032	Drill/Bore Mach Tool Settrs/Opr/Tndr, M/P	145	115	-30	-19.3	3	0	3	\$18.18
51-4033	Grind/Polish Mach Settrs/Oprs/Tndrs, M/P	125	115	-10	-7.3	1	0	1	\$15.53
51-4034	Lathe/Turn Mach Tool Settrs/Opr/Tndr, M/P	130	110	-20	-14.1	3	0	3	\$16.17
51-4035	Mill/Plane Mach Settrs/Oprs/Tndrs, M/P	90	80	-10	-13.0	1	0	1	\$15.44
51-4041	Machinists	705	745	40	5.8	15	4	11	\$15.20
51-4051	Metal-Refining Furnace Oprs/Tndrs	60	65	5	9.8	2	1	1	\$17.26
51-4052	Pourers and Casters, Metal	20	25	5	28.6	1	1	0	\$15.64
51-4072	Mold/Core/Cast Mach Settrs/Opr/Tndr, M/P	385	345	-40	-10.4	9	0	9	\$12.28
51-4081	Multiple Mach Tool Settrs/Oprs/Tndrs, M/P	115	125	10	8.8	3	1	2	\$18.96
51-4111	Tool and Die Makers	335	330	-5	-0.6	4	0	4	\$18.51
51-4121	Welders, Cutters, Solderers, & Brazers	365	390	25	7.7	11	3	8	\$15.10
51-4122	Weld/Solder/Braze Mach Settrs/Oprs/Tndrs	80	90	10	11.4	3	1	2	\$16.72
51-4193	Plate/Coat Mach Settrs/Oprs/Tndrs, M/P	50	60	10	21.6	3	1	2	\$14.63
51-5011	Bindery Workers	50	45	-5	-9.8	1	0	1	\$16.72
51-5021	Job Printers	30	25	-5	-6.9	0	0	0	\$16.34
51-5022	Prepress Technicians and Workers	35	35	0	0.0	1	0	1	\$16.96
51-5023	Printing Machine Operators	290	315	25	7.2	9	2	7	\$13.81
51-6011	Laundry and Dry-Cleaning Workers	485	515	30	6.2	14	3	11	\$9.27
51-6021	Pressers: Textile/Garment/Related Matrl	45	50	5	13.3	1	1	0	\$8.94
51-6031	Sewing Machine Operators	310	295	-15	-5.8	3	0	3	\$11.49
51-6051	Sewers, Hand	60	60	0	3.4	1	0	1	\$11.11
51-6052	Tailors, Dressmakers, & Custom Sewers	105	120	15	13.2	3	1	2	\$10.62
51-6062	Textile Cutting Machine Settrs/Oprs/Tndrs	15	15	0	-11.8	1	0	1	\$12.93
51-6093	Upholsterers	60	55	-5	-1.7	1	0	1	\$12.34
51-6099	Textile/Apparel/Furnishings Workers, AO	40	45	5	10.3	1	0	1	\$12.51
51-7011	Cabinetmakers & Bench Carpenters	175	200	25	12.4	7	2	5	\$16.75
51-7021	Furniture Finishers	140	150	10	7.2	4	1	3	\$15.38
51-7041	Sawing Machine Settrs/Oprs/Tndrs, Wood	115	135	20	18.4	4	2	2	\$11.91
51-7042	Woodwork Mach Settrs/Oprs/Tndrs, Ex Saw	110	135	25	21.8	5	2	3	\$12.10
51-8013	Power Plant Operators	25	25	0	4.0	1	0	1	\$23.72
51-8031	Water/Liquid Waste Treat Plant/Sys Opers	75	85	10	12.0	2	1	1	\$18.40
51-9011	Chemical Equipment Operators & Tenders	20	20	0	-4.8	1	0	1	\$22.17
51-9012	Separate/Filter/ Mach Settrs/Oprs/Tndrs	55	50	-5	-5.6	1	0	1	\$17.07
51-9021	Crush/Grind/Polish Mach Settrs/Oprs/Tndrs	45	40	-5	-8.7	1	0	1	\$13.53
51-9022	Grinding & Polishing Workers, Hand	55	60	5	11.3	2	1	1	\$12.52
51-9023	Mixing & Blending Mach Settrs/Oprs/Tndrs	50	50	0	-2.0	1	0	1	\$17.38
51-9031	Cutters and Trimmers, Hand	20	25	5	19.0	0	0	0	\$12.52
51-9032	Cutting & Slicing Mach Settrs/Oprs/Tndrs	50	50	0	0.0	1	0	1	\$15.29
51-9041	Extrude/Form/Press Mach Settrs/Oprs/Tndrs	435	395	-40	-9.0	8	0	8	\$13.38
51-9051	Furnace/Kiln/Oven/Drier/Kettle Oprs/Tndrs	85	80	-5	-8.2	2	0	2	\$15.11
51-9061	Inspectors/Tester/Sorter/Sampler/Weighers	625	620	-5	-0.6	9	0	9	\$14.02
51-9071	Jewelers & Precious Stone & Metal Workers	50	50	0	2.0	1	0	1	\$17.21
51-9081	Dental Laboratory Technicians	35	40	5	13.9	2	1	1	\$14.29
51-9111	Packaging & Filling Machine Oprs/Tndrs	245	220	-25	-10.1	5	0	5	\$12.45
51-9121	Coat/Paint/Spray/ Mach Settrs/Oprs/Tndrs	45	45	0	0.0	1	0	1	\$12.89
51-9122	Painters, Transportation Equipment	70	70	0	4.3	1	0	1	\$15.45
51-9123	Painting, Coating, & Decorating Workers	35	40	5	11.8	1	0	1	\$12.21
51-9191	Cementing & Gluing Machine Oprs/Tndrs	150	160	10	7.4	5	1	4	\$13.25
51-9192	Cleaning/Wash/Metal Pickl Equip Oprs/Tndr	70	60	-10	-11.6	2	0	2	\$12.42
51-9196	Paper Goods Machine Settrs/Oprs/Tndrs	80	80	0	0.0	2	0	2	\$17.94
51-9198	Helpers: Production Workers	425	450	25	5.6	12	2	10	\$11.72
51-9199	Production Workers, All Other	530	525	-5	-0.2	11	0	11	\$13.77
<b>53-0000</b>	<b>Transportation &amp; Material Moving Occupations</b>	<b>8,495</b>	<b>8,865</b>	<b>370</b>	<b>4.4</b>	<b>241</b>	<b>49</b>	<b>192</b>	<b>\$13.91</b>
53-1021	First-Line Sup/Mgrs: Helpers/Labor, Hand	85	95	10	8.0	3	1	2	\$20.32
53-1031	First-Line Sup/Mgrs: Trns/M-M Mach/Veh Op	230	250	20	10.1	7	2	5	\$23.21
53-2012	Commercial Pilots	45	45	0	7.0	1	0	1	
53-3011	Ambulance Drivers & Attendants, Ex EMT	45	50	5	10.9	2	1	1	\$11.90
53-3021	Bus Drivers, Transit & Intercity	235	255	20	9.0	5	2	3	\$11.67
53-3022	Bus Drivers, School	590	650	60	9.6	14	6	8	\$14.81
53-3031	Driver/Sales Workers	220	210	-10	-5.9	4	0	4	\$13.21
53-3032	Truck Drivers, Heavy & Tractor-Trailer	1,925	2,105	180	9.3	52	18	34	\$17.98

**NORTHWEST LOWER MICHIGAN AREA  
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<u>Code</u>	<u>Occupation</u>	<u>Employment</u>		<u>Change</u>		<u>Annual Total</u>	<u>Average Growth</u>	<u>Openings Replace</u>	<u>Hourly Wage</u>
		<u>2006</u>	<u>2016</u>	<u>Level</u>	<u>%</u>				
53-3033	Truck Drivers, Light or Delivery Services	1,040	1,140	100	9.5	29	10	19	\$14.48
53-3041	Taxi Drivers and Chauffeurs	125	135	10	8.1	3	1	2	\$9.06
53-5011	Sailors and Marine Oilers	25	25	0	17.4	1	0	1	<i>\$19.18</i>
53-5021	Captains/Mates/Pilots of Water Vessels	45	50	5	10.9	2	1	1	<i>\$31.99</i>
53-6021	Parking Lot Attendants	55	55	0	-1.9	2	0	2	<i>\$9.52</i>
53-6031	Service Station Attendants	70	80	10	11.4	4	1	3	<i>\$8.57</i>
53-6099	Transportation Workers, All Other	15	20	5	31.3	1	1	0	<i>\$12.87</i>
53-7011	Conveyor Operators and Tenders	15	15	0	-13.3	0	0	0	\$13.62
53-7021	Crane and Tower Operators	30	30	0	6.9	1	0	1	\$24.39
53-7032	Excavating/Loading Mach & Dragline Oper	115	130	15	13.3	4	2	2	\$21.23
53-7051	Industrial Truck & Tractor Operators	330	305	-25	-7.8	8	0	8	\$14.44
53-7061	Cleaners of Vehicles & Equipment	370	410	40	10.8	18	4	14	\$11.54
53-7062	Laborers Freight/Stock/Materl Movers-Hand	1,995	1,995	0	-0.2	64	0	64	\$10.84
53-7063	Machine Feeders and Offbearers	110	100	-10	-7.3	2	0	2	\$11.93
53-7064	Packers and Packagers, Hand	455	405	-50	-11.4	6	0	6	\$8.55
53-7071	Gas Compressor & Gas Pumping Station Oper	20	20	0	5.6	1	0	1	\$23.77
53-7081	Refuse & Recyclable Material Collectors	30	30	0	3.6	1	0	1	\$13.83
53-7121	Tank Car, Truck, & Ship Loaders	40	35	-5	-2.6	1	0	1	\$14.72

**AREA COMPOSITION:** Antrim, Benzie, Charlevoix, Emmet, Grand Traverse, Kalkaska, Leelanau, Manistee, Missaukee and Wexford Counties

**NOTES:**

- \* Hourly wages in *italics* reflect a statewide rate in that occupation.
- \* Employment totals may not add up due to rounding, confidentiality or suppression.
- \* Occupations with less than forty workers were suppressed and omitted from the table but are still represented in the totals and sub-totals.
- \* Percent change is based on unrounded numbers.
- \* SOC codes refer to the Standard Occupational Classification system used by the Occupational Employment Statistics program.
- \* Replacement openings reflect permanent separations (such as death, retirement, disability, other), but do not reflect total job turnover.
- \* MSA - Metropolitan Statistical Area.
- \* M/P - Metal and Plastic.
- \* AO - All Other.

**SOURCE:** Michigan Department of Energy, Labor & Economic Growth  
Bureau of Labor Market Information and Strategic Initiatives