

2010-2016 New North Occupation Opportunity Projections

November 1, 2011

The following occupation data is derived from 2010-16 projections in the 18 county New North, Wisconsin region. This data represents occupations projected to have more than 200 openings, at least 10% new and replacement jobs, and a current average wage of at least \$13.00 per hour. While additional occupations might be projected to have growth, those occupations do not include the level of growth or wage consistent with the parameters chosen for this report.

Educators, students, parents, and people in career transition are invited to use this information to serve as a platform to learn more about the variety of careers that exist in the New North region. Additional information about these occupations can be researched at the following sources:

<http://online.onetcenter.org/> (in the Occupation Search, enter the SOC code below)

<http://www.wiscareers.wisc.edu/> Note: (you will need a user name & password to use this site, if you do not have one, please contact your school's guidance counselor or your local job center)

Standard Occupation Code (SOC Code)	Description	2010 Jobs	2016 Jobs	Number of New & Replacement Jobs	Current Average Hourly Earnings	Current 10 Percentile Hourly Earnings (10% of earners earn less than this amount)	Current 75 Percentile Hourly Earnings (75% of earners earn less than this amount)	Education Level Needed for Occupation
51-0000	Production Occupations			10,902				
51-2092	Team assemblers	8,695	9,328	2,173	\$15.04	\$9.13	\$18.65	Moderate-term on-the-job training
51-4121	Welders, cutters, solderers, and brazers	3,560	3,817	1,053	\$19.42	\$13.55	\$22.27	Long-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	6,241	5,423	893	\$19.88	\$14.24	\$22.99	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	3,061	3,343	775	\$13.35	\$8.92	\$15.57	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	5,444	5,428	706	\$26.54	\$16.45	\$30.20	Work experience in a related field
51-4041	Machinists	4,123	4,157	706	\$18.54	\$12.18	\$21.96	Long-term on-the-job training
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	2,527	2,482	614	\$14.04	\$9.35	\$17.00	Moderate-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	3,193	3,165	504	\$15.84	\$10.34	\$19.13	Moderate-term on-the-job training
51-4011	Computer-controlled machine tool operators, metal and plastic	1,379	1,548	404	\$17.44	\$12.62	\$20.19	Moderate-term on-the-job training
51-9121	Coating, painting, and spraying machine setters, operators, and tenders	1,426	1,525	379	\$16.58	\$11.37	\$19.63	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	1,838	1,779	353	\$16.23	\$10.96	\$18.88	Moderate-term on-the-job training
51-5023	Printing machine operators	2,043	2,034	344	\$18.27	\$12.32	\$21.53	Moderate-term on-the-job training
51-9032	Cutting and slicing machine setters, operators, and tenders	1,861	1,863	329	\$15.89	\$11.02	\$18.56	Moderate-term on-the-job training
51-3092	Food batchmakers	1,450	1,538	315	\$16.34	\$11.66	\$18.75	Short-term on-the-job training
51-9199	Production workers, all other	1,385	1,407	257	\$13.55	\$9.00	\$16.17	Moderate-term on-the-job training
51-4122	Welding, soldering, and brazing machine setters, operators, and tenders	774	834	243	\$17.23	\$12.68	\$19.50	Moderate-term on-the-job training
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	1,290	1,224	231	\$16.51	\$11.27	\$19.45	Moderate-term on-the-job training

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51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	1,126	1,050	213	\$16.57	\$10.68	\$19.47	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	965	1,029	208	\$14.92	\$9.28	\$18.24	Moderate-term on-the-job training
51-2041	Structural metal fabricators and fitters	858	886	202	\$18.48	\$12.09	\$21.80	Moderate-term on-the-job training
43-0000	Office & Administrative Support Occupations			9,739				
43-4051	Customer service representatives	10,774	11,923	3,215	\$15.15	\$10.05	\$17.67	Moderate-term on-the-job training
43-9061	Office clerks, general	12,744	13,352	1,664	\$13.00	\$8.50	\$15.20	Short-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	9,322	9,720	1,093	\$14.87	\$8.99	\$17.88	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	4,375	4,569	801	\$20.84	\$11.96	\$25.15	Work experience in a related field
43-6011	Executive secretaries and administrative assistants	4,329	4,536	571	\$16.60	\$11.63	\$19.31	Moderate-term on-the-job training
43-5071	Shipping, receiving, and traffic clerks	3,029	2,948	492	\$14.38	\$9.15	\$17.10	Short-term on-the-job training
43-6013	Medical secretaries	2,122	2,386	442	\$14.80	\$10.73	\$16.98	Postsecondary vocational award
43-3021	Billing and posting clerks and machine operators	2,302	2,445	375	\$14.95	\$10.99	\$16.95	Moderate-term on-the-job training
43-5052	Postal service mail carriers	1,417	1,463	337	\$22.70	\$18.22	\$25.76	Short-term on-the-job training
43-5061	Production, planning, and expediting clerks	1,650	1,655	306	\$19.67	\$13.08	\$23.32	Short-term on-the-job training
43-3011	Bill and account collectors	1,007	1,117	235	\$14.72	\$10.77	\$16.15	Short-term on-the-job training
43-4151	Order clerks	1,247	1,089	208	\$14.72	\$9.93	\$17.05	Short-term on-the-job training
41-0000	Sales & Related Occupations			7,847				
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	7,818	8,347	1,647	\$30.16	\$13.07	\$35.74	Moderate-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	9,930	10,220	1,619	\$14.55	\$8.61	\$17.42	Work experience in a related field
41-3031	Securities, commodities, and financial services sales agents	3,386	4,273	1,518	\$17.61	\$8.37	\$22.14	Bachelor's degree
41-1012	First-line supervisors/managers of non-retail sales workers	4,088	4,624	1,052	\$25.58	\$9.88	\$32.00	Work experience in a related field
41-3021	Insurance sales agents	3,813	4,200	947	\$18.46	\$9.30	\$21.94	Bachelor's degree
41-3099	Sales representatives, services, all other	2,078	2,224	470	\$23.20	\$11.15	\$28.23	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	1,333	1,474	330	\$35.68	\$18.40	\$45.41	Moderate-term on-the-job training
41-2022	Parts salespersons	1,005	1,029	264	\$14.40	\$8.96	\$17.98	Moderate-term on-the-job training
13-0000	Business and Financial Operations Occupations			6,405				
13-2052	Personal financial advisors	4,303	5,647	1,628	\$15.71	\$8.28	\$19.89	Bachelor's degree
13-2011	Accountants and auditors	4,823	5,242	928	\$23.10	\$14.96	\$26.54	Bachelor's degree

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13-1111	Management analysts	2,632	3,028	681	\$22.86	\$12.03	\$28.52	Degree plus work experience
13-1199	Business operation specialists, all other	2,971	3,107	552	\$27.01	\$15.19	\$33.00	Bachelor's degree
13-1079	Human resources, training, and labor relations specialists, all other	1,991	2,160	523	\$17.08	\$7.37	\$23.37	Bachelor's degree
13-1023	Purchasing agents, except wholesale, retail, and farm products	1,780	1,926	445	\$23.77	\$15.65	\$28.31	Work experience in a related field
13-2051	Financial analysts	1,090	1,388	419	\$19.48	\$10.28	\$24.59	Bachelor's degree
13-1051	Cost estimators	1,387	1,472	297	\$24.86	\$15.72	\$30.09	Work experience in a related field
13-1073	Training and development specialists	923	1,032	255	\$22.95	\$15.09	\$27.55	Bachelor's degree
13-1071	Employment, recruitment, and placement specialists	653	788	240	\$22.29	\$13.34	\$25.76	Bachelor's degree
13-2072	Loan officers	1,423	1,529	225	\$26.65	\$14.85	\$32.65	Bachelor's degree
13-1031	Claims adjusters, examiners, and investigators	912	979	212	\$23.25	\$15.34	\$28.07	Long-term on-the-job training
11-0000	Management Occupations			5,792				
11-9199	Managers, all other	6,608	7,536	1,968	\$18.82	\$9.88	\$23.30	Work experience in a related field
11-1021	General and operations managers	5,577	5,492	1,003	\$48.52	\$23.53	\$59.10	Degree plus work experience
11-3031	Financial managers	2,551	2,828	558	\$35.09	\$19.11	\$41.44	Degree plus work experience
11-1011	Chief executives	2,037	2,169	479	\$45.55	\$21.02	\$60.37	Degree plus work experience
11-9011	Farm, ranch, and other agricultural managers	2,762	2,761	406	\$18.36	\$8.96	\$22.67	Degree plus work experience
11-2022	Sales managers	1,728	1,882	381	\$40.68	\$20.93	\$50.18	Degree plus work experience
11-9051	Food service managers	1,796	1,870	375	\$15.70	\$9.18	\$18.88	Work experience in a related field
11-3051	Industrial production managers	1,402	1,377	359	\$38.78	\$23.52	\$45.84	Work experience in a related field
11-9021	Construction managers	2,586	2,597	263	\$23.81	\$10.73	\$29.11	Bachelor's degree
25-0000	Education, Training, & Library Occupations			4,982				
25-2021	Elementary school teachers, except special education	5,967	6,271	1,131	\$30.11	\$19.81	\$35.78	Bachelor's degree
25-2031	Secondary school teachers, except special and vocational education	4,714	4,784	929	\$30.66	\$19.97	\$36.60	Bachelor's degree
25-3099	Teachers and instructors, all other	4,205	4,515	719	\$16.17	\$11.56	\$18.79	Bachelor's degree
25-1099	Postsecondary teachers	5,149	5,232	693	\$37.25	\$18.79	\$46.79	Doctoral degree
25-9041	Teacher assistants	4,440	4,530	670	\$15.11	\$10.75	\$17.43	Short-term on-the-job training
25-2022	Middle school teachers, except special and vocational education	3,488	3,632	626	\$32.79	\$21.43	\$40.26	Bachelor's degree
25-2041	Special education teachers, preschool, kindergarten, and elementary school	940	1,006	214	\$30.65	\$19.83	\$36.19	Bachelor's degree
53-0000	Transportation and Material Moving Occupations			4,672				
53-3032	Truck drivers, heavy and tractor-trailer	12,328	13,229	2,317	\$18.87	\$12.03	\$22.28	Moderate-term on-the-job training
53-7051	Industrial truck and tractor operators	4,188	4,264	919	\$15.63	\$10.61	\$18.54	Short-term on-the-job training

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53-3033	Truck drivers, light or delivery services	4,459	4,631	664	\$14.94	\$8.15	\$18.27	Short-term on-the-job training
53-3022	Bus drivers, school	2,303	2,440	425	\$13.24	\$8.70	\$16.12	Short-term on-the-job training
53-3031	Driver/sales workers	2,011	2,129	347	\$13.19	\$7.81	\$16.19	Short-term on-the-job training
29-0000	Healthcare Practitioners & Technical Occupations			3,845				
29-1111	Registered nurses	9,996	10,965	2,028	\$29.01	\$22.01	\$32.57	Associate's degree
29-2061	Licensed practical and licensed vocational nurses	2,365	2,623	709	\$18.40	\$14.54	\$20.50	Postsecondary vocational award
29-1069	Physicians and surgeons	2,067	2,325	487	\$91.71	\$49.12	\$108.13	First professional degree
29-2052	Pharmacy technicians	1,337	1,494	360	\$13.24	\$9.57	\$15.34	Moderate-term on-the-job training
29-2021	Dental hygienists	1,043	1,157	261	\$28.88	\$24.06	\$31.77	Associate's degree
47-0000	Construction & Extraction Occupations			3,431				
47-2111	Electricians	3,842	3,924	844	\$22.70	\$14.46	\$27.18	Long-term on-the-job training
47-2031	Carpenters	7,201	6,926	706	\$19.76	\$10.36	\$25.51	Long-term on-the-job training
47-2061	Construction laborers	4,368	4,519	482	\$19.24	\$9.97	\$23.80	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	2,600	2,602	475	\$26.98	\$14.33	\$33.57	Long-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	2,459	2,468	401	\$25.30	\$14.43	\$30.59	Work experience in a related field
47-2141	Painters, construction and maintenance	2,038	1,970	265	\$19.75	\$9.44	\$25.08	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	2,024	1,997	258	\$23.59	\$15.23	\$28.30	Moderate-term on-the-job training
49-0000	Installation, maintenance, and Repair Occupations			3,300				
49-9042	Maintenance and repair workers, general	5,686	5,877	763	\$17.64	\$11.09	\$21.28	Moderate-term on-the-job training
49-3023	Automotive service technicians and mechanics	3,112	3,303	598	\$18.55	\$9.47	\$23.27	Postsecondary vocational award
49-9041	Industrial machinery mechanics	2,634	2,725	426	\$23.21	\$16.22	\$26.16	Long-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	1,937	1,980	386	\$28.43	\$18.33	\$33.09	Work experience in a related field
49-3031	Bus and truck mechanics and diesel engine specialists	1,750	1,840	344	\$20.53	\$12.50	\$25.94	Postsecondary vocational award
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	1,840	1,905	309	\$20.68	\$13.64	\$24.53	Long-term on-the-job training
49-9051	Electrical power-line installers and repairers	554	651	245	\$27.30	\$19.55	\$31.36	Long-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	1,208	1,322	229	\$14.96	\$9.08	\$18.97	Moderate-term on-the-job training
15-0000	Computer and Mathematical Occupations			1,719				
15-1081	Network systems and data communications analysts	1,359	1,650	440	\$23.30	\$14.58	\$27.71	Bachelor's degree
15-1051	Computer systems analysts	1,553	1,692	361	\$29.80	\$18.67	\$36.03	Bachelor's degree
15-1041	Computer support specialists	1,585	1,659	355	\$19.84	\$12.52	\$23.47	Associate's degree

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15-1031	Computer software engineers, applications	1,428	1,679	343	\$33.19	\$22.78	\$38.80	Bachelor's degree
15-1071	Network and computer systems administrators	1,157	1,246	220	\$26.89	\$17.24	\$32.21	Bachelor's degree
27-0000	Arts, Design, Entertainment, Sports, & Media Occupations			1,661				
27-4021	Photographers	2,741	2,944	620	\$14.44	\$7.49	\$18.98	Long-term on-the-job training
27-1024	Graphic designers	1,547	1,644	404	\$17.63	\$10.56	\$21.21	Bachelor's degree
27-2022	Coaches and scouts	1,457	1,672	390	\$15.14	\$9.02	\$19.10	Long-term on-the-job training
27-3031	Public relations specialists	956	1,065	247	\$20.09	\$11.79	\$24.42	Bachelor's degree
33-0000	Protective Service Occupations			1,246				
33-2011	Fire fighters	2,323	2,473	588	\$15.60	\$7.79	\$20.63	Long-term on-the-job training
33-3051	Police and sheriff's patrol officers	2,238	2,267	399	\$23.94	\$14.83	\$28.59	Long-term on-the-job training
33-3012	Correctional officers and jailers	1,866	1,818	259	\$21.30	\$12.81	\$25.66	Moderate-term on-the-job training
39-0000	Personal Care & Service Occupations			1,022				
39-5012	Hairdressers, hairstylists, and cosmetologists	2,938	3,371	714	\$13.37	\$7.82	\$15.87	Postsecondary vocational award
39-1021	First-line supervisors/managers of personal service workers	974	1,116	308	\$14.61	\$9.24	\$17.74	Work experience in a related field
17-0000	Architecture & Engineering Occupations			912				
17-2112	Industrial engineers	1,746	1,842	462	\$33.12	\$23.45	\$38.56	Bachelor's degree
17-2141	Mechanical engineers	1,927	1,931	450	\$32.76	\$22.23	\$38.66	Bachelor's degree
31-0000	Healthcare Support Occupations			848				
31-9092	Medical assistants	2,142	2,532	542	\$14.10	\$10.02	\$16.12	Moderate-term on-the-job training
31-9091	Dental assistants	1,303	1,438	306	\$15.67	\$11.14	\$18.10	Moderate-term on-the-job training
21-0000	Community & Social Services Occupations			555				
21-1093	Social and human service assistants	1,219	1,403	342	\$14.16	\$9.19	\$16.97	Moderate-term on-the-job training
21-1012	Educational, vocational, and school counselors	1,085	1,165	213	\$21.93	\$13.86	\$26.32	Master's degree
19-0000	Life, Physical, & Social Science Occupations			544				
19-3031	Clinical, counseling, and school psychologists	1,020	1,147	307	\$25.34	\$14.36	\$29.56	Doctoral degree
19-3021	Market research analysts	775	884	237	\$25.55	\$14.37	\$32.40	Bachelor's degree
55-0000	Military Specific Occupations			484				
55-9999	Military Occupations	3,559	3,307	484	\$13.54	\$5.34	\$16.49	N/A
35-0000	Food Preparations and Serving Related Occupations			364				
35-1012	First-line supervisors/managers of food preparation and serving workers	3,805	3,789	364	\$15.63	\$8.95	\$19.16	Work experience in a related field
23-0000	Legal Occupations			258				
23-1011	Lawyers	1,474	1,511	258	\$42.05	\$17.79	\$53.32	First professional degree

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Region Info

Region: New North 18 County

Data Sources and Calculations

Industry Data In order to capture a complete picture of industry employment, EMSI basically combines covered employment data from Quarterly Census of Employment and Wages (QCEW) produced by the Department of Labor with total employment data in Regional Economic Information System (REIS) published by the Bureau of Economic Analysis (BEA), augmented with County Business Patterns (CBP) and Nonemployer Statistics (NES) published by the U.S. Census Bureau. Projections are based on the latest available EMSI industry data, 15-year past local trends in each industry, growth rates in statewide and (where available) sub-state area industry projections published by individual state agencies, and (in part) growth rates in national projections from the Bureau of Labor Statistics.

Occupation Data Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

Educational Attainment Data EMSI's educational attainment numbers are based on Census 1990, Census 2000, the Current Population Survey, and EMSI's demographic data. By combining these sources, EMSI interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

State Data Sources This report uses state data from the following agencies: Wisconsin Department of Workforce Development, Bureau of Workforce