

Northwest Wisconsin Occupational Projections, 2006-2008

Summary Level Occupational Groups

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾	Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
00-0000	Total, All Occupations	70,370	71,330	960	1.4%	480	1,830	2,310	\$31,336	\$7.96	\$18.62
11-0000	Management Occupations	2,310	2,360	50	2.2%	30	40	70	\$63,694	\$10.84	\$40.51
13-0000	Business and Financial Operations Occupations	2,030	2,070	40	2.0%	20	40	60	\$48,310	\$12.66	\$28.51
15-0000	Computer and Mathematical Occupations	560	590	30	5.4%	20	10	30	\$47,015	\$15.18	\$26.32
17-0000	Architecture and Engineering Occupations	900	930	30	3.3%	20	20	40	\$51,193	\$16.19	\$28.82
19-0000	Life, Physical, and Social Science Occupations	520	530	10	1.9%	10	10	20	\$45,513	\$14.33	\$25.66
21-0000	Community and Social Services Occupations	1,390	1,430	40	2.9%	20	20	40	\$37,410	\$12.22	\$20.87
23-0000	Legal Occupations	280	280	0	0.0%	<5	<5	<5	\$66,346	\$14.70	\$40.50
25-0000	Education, Training, and Library Occupations	4,350	4,400	50	1.1%	30	80	110	\$39,425	\$11.68	\$22.59
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	760	770	10	1.3%	10	10	20	\$31,207	\$9.26	\$17.88
29-0000	Healthcare Practitioners and Technical Occupations	3,080	3,200	120	3.9%	60	50	110	\$49,898	\$11.87	\$30.05
31-0000	Healthcare Support Occupations	2,220	2,280	60	2.7%	30	30	60	\$23,633	\$9.37	\$12.36
33-0000	Protective Service Occupations	1,900	1,930	30	1.6%	20	60	80	\$31,944	\$8.08	\$19.00
35-0000	Food Preparation and Serving Related Occupations	7,240	7,420	180	2.5%	90	350	440	\$17,474	\$6.40	\$9.40
37-0000	Building and Grounds Cleaning and Maintenance Occupations	2,540	2,590	50	2.0%	30	50	80	\$22,539	\$7.29	\$12.61
39-0000	Personal Care and Service Occupations	2,040	2,120	80	3.9%	40	50	90	\$20,074	\$7.09	\$10.93
41-0000	Sales and Related Occupations	6,620	6,740	120	1.8%	60	280	340	\$25,935	\$6.77	\$15.32
43-0000	Office and Administrative Support Occupations	10,120	10,120	0	0.0%	<5	250	250	\$26,873	\$8.55	\$15.11
45-0000	Farming, Fishing, and Forestry Occupations	290	290	0	0.0%	<5	10	10	\$25,958	\$10.32	\$13.56
47-0000	Construction and Extraction Occupations	3,220	3,250	30	0.9%	20	60	80	\$37,582	\$12.06	\$21.07
49-0000	Installation, Maintenance, and Repair Occupations	2,700	2,710	10	0.4%	10	60	70	\$35,158	\$11.04	\$19.83
51-0000	Production Occupations	8,400	8,380	-20	-0.2%	0	200	200	\$29,096	\$8.90	\$16.53
53-0000	Transportation and Material Moving Occupations	6,900	6,960	60	0.9%	30	160	190	\$29,213	\$8.37	\$16.88

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Northwest Wisconsin Occupational Projections, 2006-2008

Summary by Education/Training Level

Education/Training Level	Number of Occupations	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾
First professional degree	20	520	530	10	1.9%	10	10	20
Doctoral degree	43	580	600	20	3.4%	10	20	30
Master's degree	36	1,450	1,480	30	2.1%	20	30	50
Bachelor's or higher degree, plus work experience	32	1,990	2,020	30	1.5%	20	40	60
Bachelor's degree	104	7,870	8,030	160	2.0%	80	160	240
Associate degree	37	1,620	1,660	40	2.5%	20	40	60
Postsecondary vocational training	52	4,140	4,190	50	1.2%	30	90	120
Work experience in a related occupation	42	4,230	4,300	70	1.7%	40	100	140
Long-term on-the-job training	80	6,010	6,080	70	1.2%	40	150	190
Moderate-term on-the-job training	159	15,750	15,790	40	0.3%	20	350	370
Short-term on-the-job training	131	26,220	26,650	430	1.6%	220	1,000	1,220
Total, All Occupations	736	70,380	71,330	950	1.3%	510	1,990	2,500

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Northwest Wisconsin Occupational Projections, 2006-2008

Fastest Growing Occupations⁽⁹⁾ with employment of at least 200

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
31-1011	Home Health Aides	400	430	30	7.5%	20	10	30	Short-term on-the-job training	\$22,008	\$8.95	\$11.39
39-9021	Personal and Home Care Aides	510	540	30	5.9%	20	10	30	Short-term on-the-job training	\$18,641	\$7.77	\$9.56
41-2031	Retail Salespersons	1,850	1,950	100	5.4%	50	80	130	Short-term on-the-job training	\$21,834	\$7.18	\$12.15
21-1021	Child, Family, and School Social Workers	190	200	10	5.3%	10	<5	10	Master's degree	\$42,517	\$16.42	\$22.45
35-9021	Dishwashers	380	400	20	5.3%	10	20	30	Short-term on-the-job training	\$14,899	\$6.37	\$7.56
51-4121	Welders, Cutters, Solderers, and Brazers	200	210	10	5.0%	10	10	20	Postsecondary vocational training	\$35,887	\$13.53	\$19.12
25-2011	Preschool Teachers, Except Special Education	220	230	10	4.5%	10	<5	10	Bachelor's degree	\$30,061	\$11.32	\$16.02
29-1111	Registered Nurses	1,110	1,160	50	4.5%	30	20	50	Associate or Bachelor's degree ⁽⁶⁾	\$53,075	\$19.94	\$28.31
35-2011	Cooks, Fast Food	250	260	10	4.0%	10	10	20	Short-term on-the-job training	\$16,420	\$6.37	\$8.66
21-1093	Social and Human Service Assistants	260	270	10	3.8%	10	<5	10	Moderate-term on-the-job training	\$30,436	\$10.99	\$16.45
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	260	270	10	3.8%	10	10	20	Short-term on-the-job training	\$15,227	\$6.39	\$7.79
47-4051	Highway Maintenance Workers	270	280	10	3.7%	10	<5	10	Moderate-term on-the-job training	\$34,285	\$14.14	\$17.65
51-4041	Machinists	270	280	10	3.7%	10	10	20	Long-term on-the-job training	\$43,992	\$13.64	\$24.91
29-2041	Emergency Medical Technicians and Paramedics	300	310	10	3.3%	10	<5	10	Postsecondary vocational training	\$25,303	\$7.77	\$14.36
47-2073	Operating Engineers and Other Construction Equipment Operators	320	330	10	3.1%	10	10	20	Moderate-term on-the-job training	\$44,144	\$13.57	\$25.05
35-3031	Waiters and Waitresses	1,600	1,650	50	3.1%	30	90	120	Short-term on-the-job training	\$15,960	\$6.37	\$8.32
43-4051	Customer Service Representatives	680	700	20	2.9%	10	10	20	Moderate-term on-the-job training	\$26,899	\$8.91	\$14.94
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,390	1,430	40	2.9%	20	80	100	Short-term on-the-job training	\$14,955	\$6.37	\$7.60
39-9011	Child Care Workers	350	360	10	2.9%	10	10	20	Short-term on-the-job training	\$17,102	\$6.47	\$9.10
49-3023	Automotive Service Technicians and Mechanics	360	370	10	2.8%	10	10	20	Postsecondary vocational training	\$31,014	\$12.35	\$16.19
33-2011	Fire Fighters	400	410	10	2.5%	10	10	20	Long-term on-the-job training	\$26,904	\$6.38	\$16.21
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,230	1,260	30	2.4%	20	20	40	Short-term on-the-job training	\$22,089	\$7.43	\$12.22
35-2021	Food Preparation Workers	420	430	10	2.4%	10	20	30	Short-term on-the-job training	\$17,450	\$6.63	\$9.27
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	430	440	10	2.3%	10	10	20	Work experience in a related occupation	\$28,817	\$10.21	\$15.68
53-3033	Truck Drivers, Light or Delivery Services	430	440	10	2.3%	10	<5	10	Short-term on-the-job training	\$26,953	\$7.88	\$15.50
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,800	1,840	40	2.2%	20	30	50	Moderate-term on-the-job training	\$37,486	\$12.63	\$20.72
35-3011	Bartenders	990	1,010	20	2.0%	10	40	50	Short-term on-the-job training	\$15,878	\$6.54	\$8.18
35-2014	Cooks, Restaurant	520	530	10	1.9%	10	20	30	Long-term on-the-job training	\$21,142	\$7.94	\$11.28
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	520	530	10	1.9%	10	10	20	Work experience in a related occupation	\$36,001	\$9.71	\$21.11
43-4171	Receptionists and Information Clerks	520	530	10	1.9%	10	10	20	Short-term on-the-job training	\$20,557	\$7.46	\$11.10
25-2031	Secondary School Teachers, Except Special and Vocational Education	540	550	10	1.9%	10	20	30	Bachelor's degree	\$43,662		
33-3051	Police and Sheriff's Patrol Officers	570	580	10	1.8%	10	10	20	Long-term on-the-job training	\$37,400	\$13.79	\$20.08
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	590	600	10	1.7%	10	10	20	Work experience in a related occupation	\$47,569	\$14.26	\$27.18
43-6011	Executive Secretaries and Administrative Assistants	640	650	10	1.6%	10	10	20	Moderate-term on-the-job training	\$33,102	\$11.90	\$17.92
11-1021	General and Operations Managers	650	660	10	1.5%	10	10	20	Bachelor's or higher degree + work experience	\$81,580	\$21.02	\$48.32
49-9042	Maintenance and Repair Workers, General	690	700	10	1.4%	10	10	20	Long-term on-the-job training	\$30,924	\$9.34	\$17.63
25-2021	Elementary School Teachers, Except Special Education	740	750	10	1.4%	10	20	30	Bachelor's degree	\$42,904		

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾

The following occupations are also included in the list but to protect the confidentiality of employers only estimated average annual openings and typical education/training are shown:

35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	*	*	*	*	10	20	30	Short-term on-the-job training	*	*	*
37-2012	Maids and Housekeeping Cleaners	*	*	*	*	10	20	30	Short-term on-the-job training	*	*	*
39-5012	Hairdressers, Hairstylists, and Cosmetologists	*	*	*	*	10	<5	10	Postsecondary vocational training	*	*	*

Sub-set totals	24,060	24,790	730	3.0%	530	690	1,220
Total, all occupations	70,370	71,330	960	1.4%	480	1,830	2,310
Percent of total	34.2%	34.8%	76.0%				

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Northwest Wisconsin Occupational Projections, 2006-2008

Occupations Losing Jobs Between 2006 and 2008 (up to 50 occupations)

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
43-6014	Secretaries, Except Legal, Medical, and Executive	1,080	1,050	-30	-2.8%	0	20	20	Moderate-term on-the-job training	\$25,272	\$8.94	\$13.76
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	580	550	-30	-5.2%	0	20	20	Moderate-term on-the-job training	\$27,854	\$10.10	\$15.03
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	450	430	-20	-4.4%	0	10	10	Moderate-term on-the-job training	\$26,680	\$9.57	\$14.45
33-1011	First-Line Supervisors/Managers of Correctional Officers	30	20	-10	-33.3%	0	<5	<5	Work experience in a related occupation	\$42,705	\$19.99	\$20.80
41-3041	Travel Agents	20	10	-10	-50.0%	0	<5	<5	Postsecondary vocational training	\$28,344	\$11.82	\$14.53
43-4151	Order Clerks	130	120	-10	-7.7%	0	<5	<5	Short-term on-the-job training	\$27,791	\$9.64	\$15.22
43-9011	Computer Operators	30	20	-10	-33.3%	0	<5	<5	Moderate-term on-the-job training	\$28,510	\$10.44	\$15.34
43-9061	Office Clerks, General	1,050	1,040	-10	-1.0%	0	20	20	Short-term on-the-job training	\$22,335	\$7.44	\$12.39
47-2061	Construction Laborers	370	360	-10	-2.7%	0	10	10	Moderate-term on-the-job training	\$33,980	\$10.98	\$19.02
49-9063	Musical Instrument Repairers and Tuners	10	0	-10	-100.0%	0	<5	<5	Long-term on-the-job training			
51-8021	Stationary Engineers and Boiler Operators	30	20	-10	-33.3%	0	<5	<5	Long-term on-the-job training	\$29,824	\$10.08	\$16.47
53-4021	Railroad Brake, Signal, and Switch Operators	70	60	-10	-14.3%	0	<5	<5	Moderate-term on-the-job training			
53-7063	Machine Feeders and Offbearers	220	210	-10	-4.5%	0	10	10	Short-term on-the-job training	\$21,828	\$8.22	\$11.63

The following occupations are also included in the list but to protect the confidentiality of employers only estimated average annual openings and typical education/training are shown:

41-2022	Parts Salespersons	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	0	<5	<5	Moderate-term on-the-job training	*	*	*

Sub-set totals	4,340	4,140	-200	4.6%	0	90	90
Total, all occupations	70,370	71,330	960	1.4%	480	1,830	2,310
Percent of total	6.2%	5.8%					

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Northwest Wisconsin Occupational Projections, 2006-2008

Fifty Occupations with the Greatest Employment in 2008

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
41-2011	Cashiers	2,300	2,310	10	0.4%	10	150	160	Short-term on-the-job training	\$16,160	\$6.43	\$8.44
41-2031	Retail Salespersons	1,850	1,950	100	5.4%	50	80	130	Short-term on-the-job training	\$21,834	\$7.18	\$12.15
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,800	1,840	40	2.2%	20	30	50	Moderate-term on-the-job training	\$37,486	\$12.63	\$20.72
35-3031	Waiters and Waitresses	1,600	1,650	50	3.1%	30	90	120	Short-term on-the-job training	\$15,960	\$6.37	\$8.32
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,580	1,590	10	0.6%	10	60	70	Short-term on-the-job training	\$21,973	\$7.41	\$12.14
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,390	1,430	40	2.9%	20	80	100	Short-term on-the-job training	\$14,955	\$6.37	\$7.60
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,230	1,260	30	2.4%	20	20	40	Short-term on-the-job training	\$22,089	\$7.43	\$12.22
31-1012	Nursing Aides, Orderlies, and Attendants	1,220	1,220	0	0.0%	<5	20	20	Postsecondary vocational training	\$22,793	\$9.65	\$11.61
51-2092	Team Assemblers	1,200	1,210	10	0.8%	10	30	40	Moderate-term on-the-job training	\$24,614	\$7.79	\$13.86
29-1111	Registered Nurses	1,110	1,160	50	4.5%	30	20	50	Associate or Bachelor's degree ⁽⁸⁾	\$53,075	\$19.94	\$28.31
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,080	1,080	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$26,467	\$8.82	\$14.68
43-6014	Secretaries, Except Legal, Medical, and Executive	1,080	1,050	-30	-2.8%	0	20	20	Moderate-term on-the-job training	\$25,272	\$8.94	\$13.76
43-9061	Office Clerks, General	1,050	1,040	-10	-1.0%	0	20	20	Short-term on-the-job training	\$22,335	\$7.44	\$12.39
35-3011	Bartenders	990	1,010	20	2.0%	10	40	50	Short-term on-the-job training	\$15,878	\$6.54	\$8.18
43-5081	Stock Clerks and Order Fillers	820	830	10	1.2%	10	40	50	Short-term on-the-job training	\$19,882	\$6.79	\$10.94
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	780	790	10	1.3%	10	20	30	Moderate-term on-the-job training	\$47,207	\$13.47	\$27.31
25-2021	Elementary School Teachers, Except Special Education	740	750	10	1.4%	10	20	30	Bachelor's degree	\$42,904		
47-2031	Carpenters	750	750	0	0.0%	<5	10	10	Long-term on-the-job training	\$32,460	\$11.84	\$17.49
43-4051	Customer Service Representatives	680	700	20	2.9%	10	10	20	Moderate-term on-the-job training	\$26,899	\$8.91	\$14.94
49-9042	Maintenance and Repair Workers, General	690	700	10	1.4%	10	10	20	Long-term on-the-job training	\$30,924	\$9.34	\$17.63
11-1021	General and Operations Managers	650	660	10	1.5%	10	10	20	Bachelor's or higher degree + work experience	\$81,580	\$21.02	\$48.32
25-9041	Teacher Assistants	660	660	0	0.0%	<5	10	10	Associate degree	\$21,998		
43-6011	Executive Secretaries and Administrative Assistants	640	650	10	1.6%	10	10	20	Moderate-term on-the-job training	\$33,102	\$11.90	\$17.92
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	590	600	10	1.7%	10	10	20	Work experience in a related occupation	\$47,569	\$14.26	\$27.18
33-3051	Police and Sheriff's Patrol Officers	570	580	10	1.8%	10	10	20	Long-term on-the-job training	\$37,400	\$13.79	\$20.08
25-2031	Secondary School Teachers, Except Special and Vocational Education	540	550	10	1.9%	10	20	30	Bachelor's degree	\$43,662		
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	580	550	-30	-5.2%	0	20	20	Moderate-term on-the-job training	\$27,854	\$10.10	\$15.03
39-9021	Personal and Home Care Aides	510	540	30	5.9%	20	10	30	Short-term on-the-job training	\$18,641	\$7.77	\$9.56
35-2014	Cooks, Restaurant	520	530	10	1.9%	10	20	30	Long-term on-the-job training	\$21,142	\$7.94	\$11.28
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	520	530	10	1.9%	10	10	20	Work experience in a related occupation	\$36,001	\$9.71	\$21.11
43-4171	Receptionists and Information Clerks	520	530	10	1.9%	10	10	20	Short-term on-the-job training	\$20,557	\$7.46	\$11.10
51-9198	Helpers--Production Workers	530	530	0	0.0%	<5	20	20	Short-term on-the-job training	\$21,909	\$8.47	\$11.56
53-7064	Packers and Packagers, Hand	530	530	0	0.0%	<5	10	10	Short-term on-the-job training	\$20,486	\$6.96	\$11.29

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43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	490	490	0	0.0%	<5	10	10	Work experience in a related occupation	\$40,438	\$12.64	\$22.84
53-7051	Industrial Truck and Tractor Operators	490	490	0	0.0%	<5	10	10	Short-term on-the-job training	\$31,076	\$10.65	\$17.09
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	430	440	10	2.3%	10	10	20	Work experience in a related occupation	\$28,817	\$10.21	\$15.68
53-3033	Truck Drivers, Light or Delivery Services	430	440	10	2.3%	10	<5	10	Short-term on-the-job training	\$26,953	\$7.88	\$15.50
31-1011	Home Health Aides	400	430	30	7.5%	20	10	30	Short-term on-the-job training	\$22,008	\$8.95	\$11.39
35-2021	Food Preparation Workers	420	430	10	2.4%	10	20	30	Short-term on-the-job training	\$17,450	\$6.63	\$9.27
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	450	430	-20	-4.4%	0	10	10	Moderate-term on-the-job training	\$26,680	\$9.57	\$14.45
13-2011	Accountants and Auditors	420	420	0	0.0%	<5	10	10	Bachelor's degree	\$66,422	\$18.20	\$38.80
33-2011	Fire Fighters	400	410	10	2.5%	10	10	20	Long-term on-the-job training	\$26,904	\$6.38	\$16.21
35-9021	Dishwashers	380	400	20	5.3%	10	20	30	Short-term on-the-job training	\$14,899	\$6.37	\$7.56
43-3071	Tellers	380	380	0	0.0%	<5	20	20	Short-term on-the-job training	\$21,164	\$8.31	\$11.11
25-2022	Middle School Teachers, Except Special and Vocational Education	370	370	0	0.0%	<5	10	10	Bachelor's degree	\$40,767		
49-3023	Automotive Service Technicians and Mechanics	360	370	10	2.8%	10	10	20	Postsecondary vocational training	\$31,014	\$12.35	\$16.19
39-9011	Child Care Workers	350	360	10	2.9%	10	10	20	Short-term on-the-job training	\$17,102	\$6.47	\$9.10
47-2061	Construction Laborers	370	360	-10	-2.7%	0	10	10	Moderate-term on-the-job training	\$33,980	\$10.98	\$19.02
37-3011	Landscaping and Groundskeeping Workers	350	350	0	0.0%	<5	10	10	Short-term on-the-job training	\$24,515	\$8.18	\$13.59

The following occupations are also included in the list but to protect the confidentiality of employers only estimated average annual openings and typical education/training are shown:

37-2012	Maids and Housekeeping Cleaners	*	*	*	*	10	20	30	Short-term on-the-job training	*	*	*
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Sub-set totals	*	*	*	*	460	1,160	1,620					
Total, all occupations	70,370	71,330	960	1.4%	480	1,830	2,310					
Percent of total	*	*	*	*								

Please see notes on last page

Northwest Wisconsin Occupational Projections, 2006-2008

Fifty Occupations with the Most New Jobs

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
41-2031	Retail Salespersons	1,850	1,950	100	5.4%	50	80	130	Short-term on-the-job training	\$21,834	\$7.18	\$12.15
29-1111	Registered Nurses	1,110	1,160	50	4.5%	30	20	50	Associate or Bachelor's degree ⁽⁶⁾	\$53,075	\$19.94	\$28.31
35-3031	Waiters and Waitresses	1,600	1,650	50	3.1%	30	90	120	Short-term on-the-job training	\$15,960	\$6.37	\$8.32
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,390	1,430	40	2.9%	20	80	100	Short-term on-the-job training	\$14,955	\$6.37	\$7.60
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,800	1,840	40	2.2%	20	30	50	Moderate-term on-the-job training	\$37,486	\$12.63	\$20.72
31-1011	Home Health Aides	400	430	30	7.5%	20	10	30	Short-term on-the-job training	\$22,008	\$8.95	\$11.39
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,230	1,260	30	2.4%	20	20	40	Short-term on-the-job training	\$22,089	\$7.43	\$12.22
39-9021	Personal and Home Care Aides	510	540	30	5.9%	20	10	30	Short-term on-the-job training	\$18,641	\$7.77	\$9.56
35-3011	Bartenders	990	1,010	20	2.0%	10	40	50	Short-term on-the-job training	\$15,878	\$6.54	\$8.18
35-9021	Dishwashers	380	400	20	5.3%	10	20	30	Short-term on-the-job training	\$14,899	\$6.37	\$7.56
43-4051	Customer Service Representatives	680	700	20	2.9%	10	10	20	Moderate-term on-the-job training	\$26,899	\$8.91	\$14.94
11-1011	Chief Executives	100	110	10	10.0%	10	<5	10	Bachelor's or higher degree + work experience	\$118,270	\$29.73	\$70.42
11-1021	General and Operations Managers	650	660	10	1.5%	10	10	20	Bachelor's or higher degree + work experience	\$81,580	\$21.02	\$48.32
11-3031	Financial Managers	110	120	10	9.1%	10	<5	10	Bachelor's or higher degree + work experience	\$118,829	\$28.64	\$71.38
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and	70	80	10	14.3%	10	<5	10	Long-term on-the-job training	\$35,191	\$6.45	\$22.15
15-1031	Computer Software Engineers, Applications	60	70	10	16.7%	10	<5	10	Bachelor's degree	\$76,764	\$22.12	\$44.30
15-1041	Computer Support Specialists	120	130	10	8.3%	10	<5	10	Associate degree	\$36,046	\$12.06	\$19.97
15-1071	Network and Computer Systems Administrators	70	80	10	14.3%	10	<5	10	Bachelor's degree	\$48,397	\$18.29	\$25.76
15-1081	Network Systems and Data Communications Analysts	60	70	10	16.7%	10	<5	10	Bachelor's degree	\$60,568	\$18.57	\$34.39
17-2141	Mechanical Engineers	130	140	10	7.7%	10	<5	10	Bachelor's degree	\$62,389	\$22.76	\$33.61
17-3027	Mechanical Engineering Technicians	30	40	10	33.3%	10	<5	10	Associate degree	\$46,823	\$16.06	\$25.74
19-1042	Medical Scientists, Except Epidemiologists	30	40	10	33.3%	10	<5	10	Doctoral degree			
19-3021	Market Research Analysts	40	50	10	25.0%	10	<5	10	Master's degree	\$65,978	\$20.10	\$37.53
21-1021	Child, Family, and School Social Workers	190	200	10	5.3%	10	<5	10	Master's degree	\$42,517	\$16.42	\$22.45
21-1022	Medical and Public Health Social Workers	70	80	10	14.3%	10	<5	10	Master's degree	\$43,747	\$18.13	\$22.48
21-1093	Social and Human Service Assistants	260	270	10	3.8%	10	<5	10	Moderate-term on-the-job training	\$30,436	\$10.99	\$16.45
25-1022	Mathematical Science Teachers, Postsecondary	20	30	10	50.0%	10	<5	10	Doctoral degree	\$57,232		
25-1066	Psychology Teachers, Postsecondary	10	20	10	100.0%	10	<5	10	Doctoral degree	\$61,337		
25-2011	Preschool Teachers, Except Special Education	220	230	10	4.5%	10	<5	10	Bachelor's degree	\$30,061	\$11.32	\$16.02
25-2021	Elementary School Teachers, Except Special Education	740	750	10	1.4%	10	20	30	Bachelor's degree	\$42,904		
25-2031	Secondary School Teachers, Except Special and Vocational Education	540	550	10	1.9%	10	20	30	Bachelor's degree	\$43,662		
29-2012	Medical and Clinical Laboratory Technicians	20	30	10	50.0%	10	<5	10	Associate degree	\$35,940	\$13.11	\$19.36
29-2041	Emergency Medical Technicians and Paramedics	300	310	10	3.3%	10	<5	10	Postsecondary vocational training	\$25,303	\$7.77	\$14.36
29-2052	Pharmacy Technicians	120	130	10	8.3%	10	<5	10	Moderate-term on-the-job training	\$23,972	\$9.12	\$12.73

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
31-9091	Dental Assistants	110	120	10	9.1%	10	<5	10	Moderate-term on-the-job training	\$27,660	\$11.68	\$14.10
31-9092	Medical Assistants	130	140	10	7.7%	10	<5	10	Moderate-term on-the-job training	\$28,290	\$11.62	\$14.59
33-2011	Fire Fighters	400	410	10	2.5%	10	10	20	Long-term on-the-job training	\$26,904	\$6.38	\$16.21
33-3051	Police and Sheriff's Patrol Officers	570	580	10	1.8%	10	10	20	Long-term on-the-job training	\$37,400	\$13.79	\$20.08
35-1011	Chefs and Head Cooks	70	80	10	14.3%	10	<5	10	Postsecondary vocational training	\$29,972	\$9.39	\$16.92
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	430	440	10	2.3%	10	10	20	Work experience in a related occupation	\$28,817	\$10.21	\$15.68
35-2011	Cooks, Fast Food	250	260	10	4.0%	10	10	20	Short-term on-the-job training	\$16,420	\$6.37	\$8.66
35-2014	Cooks, Restaurant	520	530	10	1.9%	10	20	30	Long-term on-the-job training	\$21,142	\$7.94	\$11.28

The following occupations are also included in the list but to protect the confidentiality of employers only estimated average annual openings and typical education/training are shown:

25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctorate degree	*	*	*
25-1191	Graduate Teaching Assistants	*	*	*	*	10	<5	10	Bachelor's degree	*	*	*
25-3021	Self-Enrichment Education Teachers	*	*	*	*	10	<5	10	Work experience in a related occupation	*	*	*
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	10	<5	10	Long-term on-the-job training	*	*	*
27-3043	Writers and Authors	*	*	*	*	10	<5	10	Bachelor's degree	*	*	*
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	*	*	*	*	10	10	20	Short-term on-the-job training	*	*	*
35-2015	Cooks, Short Order	*	*	*	*	10	10	20	Short-term on-the-job training	*	*	*
37-2012	Maids and Housekeeping Cleaners	*	*	*	*	10	20	30	Short-term on-the-job training	*	*	*

Sub-set totals	19,570	20,400	830	4.2%	630	560	1,190					
Total, all occupations	70,370	71,330	960	1.4%	480	1,830	2,310					
Percent of total	27.8%	28.6%	86.5%									

Please see notes on last page

Northwest Wisconsin Occupational Projections, 2006-2008

Fifty Occupations with the Most Annual Openings

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
41-2011	Cashiers	2,300	2,310	10	0.4%	10	150	160	Short-term on-the-job training	\$16,160	\$6.43	\$8.44
41-2031	Retail Salespersons	1,850	1,950	100	5.4%	50	80	130	Short-term on-the-job training	\$21,834	\$7.18	\$12.15
35-3031	Waiters and Waitresses	1,600	1,650	50	3.1%	30	90	120	Short-term on-the-job training	\$15,960	\$6.37	\$8.32
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,390	1,430	40	2.9%	20	80	100	Short-term on-the-job training	\$14,955	\$6.37	\$7.60
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,580	1,590	10	0.6%	10	60	70	Short-term on-the-job training	\$21,973	\$7.41	\$12.14
29-1111	Registered Nurses	1,110	1,160	50	4.5%	30	20	50	Associate or Bachelor's degree ⁽⁸⁾	\$53,075	\$19.94	\$28.31
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,800	1,840	40	2.2%	20	30	50	Moderate-term on-the-job training	\$37,486	\$12.63	\$20.72
35-3011	Bartenders	990	1,010	20	2.0%	10	40	50	Short-term on-the-job training	\$15,878	\$6.54	\$8.18
43-5081	Stock Clerks and Order Fillers	820	830	10	1.2%	10	40	50	Short-term on-the-job training	\$19,882	\$6.79	\$10.94
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,230	1,260	30	2.4%	20	20	40	Short-term on-the-job training	\$22,089	\$7.43	\$12.22
51-2092	Team Assemblers	1,200	1,210	10	0.8%	10	30	40	Moderate-term on-the-job training	\$24,614	\$7.79	\$13.86
31-1011	Home Health Aides	400	430	30	7.5%	20	10	30	Short-term on-the-job training	\$22,008	\$8.95	\$11.39
39-9021	Personal and Home Care Aides	510	540	30	5.9%	20	10	30	Short-term on-the-job training	\$18,641	\$7.77	\$9.56
35-9021	Dishwashers	380	400	20	5.3%	10	20	30	Short-term on-the-job training	\$14,899	\$6.37	\$7.56
25-2021	Elementary School Teachers, Except Special Education	740	750	10	1.4%	10	20	30	Bachelor's degree	\$42,904		
25-2031	Secondary School Teachers, Except Special and Vocational Education	540	550	10	1.9%	10	20	30	Bachelor's degree	\$43,662		
35-2014	Cooks, Restaurant	520	530	10	1.9%	10	20	30	Long-term on-the-job training	\$21,142	\$7.94	\$11.28
35-2021	Food Preparation Workers	420	430	10	2.4%	10	20	30	Short-term on-the-job training	\$17,450	\$6.63	\$9.27
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	780	790	10	1.3%	10	20	30	Moderate-term on-the-job training	\$47,207	\$13.47	\$27.31
43-4051	Customer Service Representatives	680	700	20	2.9%	10	10	20	Moderate-term on-the-job training	\$26,899	\$8.91	\$14.94
11-1021	General and Operations Managers	650	660	10	1.5%	10	10	20	Bachelor's or higher degree + work experience	\$81,580	\$21.02	\$48.32
33-2011	Fire Fighters	400	410	10	2.5%	10	10	20	Long-term on-the-job training	\$26,904	\$6.38	\$16.21
33-3051	Police and Sheriff's Patrol Officers	570	580	10	1.8%	10	10	20	Long-term on-the-job training	\$37,400	\$13.79	\$20.08
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	430	440	10	2.3%	10	10	20	Work experience in a related occupation	\$28,817	\$10.21	\$15.68
35-2011	Cooks, Fast Food	250	260	10	4.0%	10	10	20	Short-term on-the-job training	\$16,420	\$6.37	\$8.66
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	260	270	10	3.8%	10	10	20	Short-term on-the-job training	\$15,227	\$6.39	\$7.79
39-3091	Amusement and Recreation Attendants	150	160	10	6.7%	10	10	20	Short-term on-the-job training	\$21,100	\$7.02	\$11.71
39-9011	Child Care Workers	350	360	10	2.9%	10	10	20	Short-term on-the-job training	\$17,102	\$6.47	\$9.10
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	520	530	10	1.9%	10	10	20	Work experience in a related occupation	\$36,001	\$9.71	\$21.11
43-4171	Receptionists and Information Clerks	520	530	10	1.9%	10	10	20	Short-term on-the-job training	\$20,557	\$7.46	\$11.10
43-6011	Executive Secretaries and Administrative Assistants	640	650	10	1.6%	10	10	20	Moderate-term on-the-job training	\$33,102	\$11.90	\$17.92
47-2073	Operating Engineers and Other Construction Equipment Operators	320	330	10	3.1%	10	10	20	Moderate-term on-the-job training	\$44,144	\$13.57	\$25.05

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Estimated Average Annual Openings ⁽¹⁾			Typical Education and Training Path ⁽⁴⁾	Estimated Salary and Wages (2006)		
		2006	2008	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Average Annual Salary ⁽⁵⁾	Entry Level Hourly Wage ⁽⁶⁾	Experienced Hourly Wage ⁽⁷⁾
49-3023	Automotive Service Technicians and Mechanics	360	370	10	2.8%	10	10	20	Postsecondary vocational training	\$31,014	\$12.35	\$16.19
49-9042	Maintenance and Repair Workers, General	690	700	10	1.4%	10	10	20	Long-term on-the-job training	\$30,924	\$9.34	\$17.63
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	590	600	10	1.7%	10	10	20	Work experience in a related occupation	\$47,569	\$14.26	\$27.18
51-4041	Machinists	270	280	10	3.7%	10	10	20	Long-term on-the-job training	\$43,992	\$13.64	\$24.91
51-4121	Welders, Cutters, Solderers, and Brazers	200	210	10	5.0%	10	10	20	Postsecondary vocational training	\$35,887	\$13.53	\$19.12
31-1012	Nursing Aides, Orderlies, and Attendants	1,220	1,220	0	0.0%	<5	20	20	Postsecondary vocational training	\$22,793	\$9.65	\$11.61
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,080	1,080	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$26,467	\$8.82	\$14.68
43-3071	Tellers	380	380	0	0.0%	<5	20	20	Short-term on-the-job training	\$21,164	\$8.31	\$11.11
51-9198	Helpers--Production Workers	530	530	0	0.0%	<5	20	20	Short-term on-the-job training	\$21,909	\$8.47	\$11.56
43-9061	Office Clerks, General	1,050	1,040	-10	-1.0%	0	20	20	Short-term on-the-job training	\$22,335	\$7.44	\$12.39
43-6014	Secretaries, Except Legal, Medical, and Executive	1,080	1,050	-30	-2.8%	0	20	20	Moderate-term on-the-job training	\$25,272	\$8.94	\$13.76
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	580	550	-30	-5.2%	0	20	20	Moderate-term on-the-job training	\$27,854	\$10.10	\$15.03
11-1011	Chief Executives	100	110	10	10.0%	10	<5	10	Bachelor's or higher degree + work experience	\$118,270	\$29.73	\$70.42
11-3031	Financial Managers	110	120	10	9.1%	10	<5	10	Bachelor's or higher degree + work experience	\$118,829	\$28.64	\$71.38

The following occupations are also included in the list but to protect the confidentiality of employers only estimated average annual openings and typical education/training are shown:

33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	*	*	*	*	10	10	20	Short-term on-the-job training	*	*	*
35-2015	Cooks, Short Order	*	*	*	*	10	10	20	Short-term on-the-job training	*	*	*
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	*	*	*	*	10	20	30	Short-term on-the-job training	*	*	*
37-2012	Maids and Housekeeping Cleaners	*	*	*	*	10	20	30	Short-term on-the-job training	*	*	*

Sub-set totals	35,340	36,030	690	2.0%	560	1,160	1,720
Total, all occupations	70,370	71,330	960	1.4%	480	1,830	2,310
Percent of total	50.2%	50.5%	71.9%				

Please see notes on last page

Notes

- (1) **Employment** is a count of jobs rather than people, and includes part- and full-time nonfarm jobs. Employment does not include self-employed or unpaid family workers. Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total Openings** are the sum of new jobs and replacements.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
 - Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
 - Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
 - Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
 - Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.
 - Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
 - Associate Degree:** This degree requires two years of full-time academic work beyond high school.
 - Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.
 - Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.
 - Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.
 - First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.
 - Bachelor's or Higher Degree, Plus Work Experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree is accepted in this occupation. It depends on the specifics of the position and the employer.
- (9) To be considered fastest growing an occupation has to grow at least as fast as all occupations average for this WDA.

Information is derived using 2006 CES (3/06 benchmark), 2006 QCEW, and 2006 OES data. Unpublished data from the US Bureau of Labor Statistics and the US Census Bureau is also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy during 2007 and 2008. It is important to note that unanticipated events may affect the accuracy of the projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2007

Local Analyst:

Scott Hodek
(715) 836-2997
Scott.Hodek@dwd.state.wi.us

Projections Methodology:

Victoria Udalova
(608) 267-9607
Victoria.Udalova@dwd.state.wi.us