

**North Central WDA
Occupational Employment
2018-2028 Long-Term Projections**

SOC Code	Occupational Title	Employment Outlook			Annual Demand			
		Estimated 2018	Projected 2028	Percent Change	Due to Growth ^{1/}	Due to Exits ^{2/}	Due to Transfers ^{3/}	Total Demand ^{4/}
00-0000	Total, All Occupations	91,460	92,000	0.6%	55	4,041	6,496	10,592
11-0000	Management Occupations	4,670	4,800	2.8%	12	157	255	424
11-1000	Top Executives	1,410	1,420	0.7%	2	30	90	122
11-1011	Chief Executives	110	100	-9.1%	-1	3	5	7
11-1021	General & Operations Managers	1,250	1,280	2.4%	2	26	83	111
11-1031	Legislators	40	40	0.0%	0	1	2	3
11-2000	Advertising, Marketing, Promotions, Public Relations & Sales Managers	120	120	0.0%	0	2	8	10
11-2021	Marketing Managers	40	40	0.0%	0	1	3	4
11-2022	Sales Managers	80	80	0.0%	0	2	5	7
11-3000	Operations Specialties Managers	590	610	3.4%	2	13	33	48
11-3011	Administrative Services Managers	60	70	16.7%	0	2	4	6
11-3021	Computer & Information Systems Managers	60	60	0.0%	0	1	4	5
11-3031	Financial Managers	160	180	12.5%	2	4	9	15
11-3051	Industrial Production Managers	210	210	0.0%	0	5	11	16
11-3061	Purchasing Managers	10	10	0.0%	0	0	1	1
11-3071	Transportation, Storage & Distribution Managers	30	30	0.0%	0	1	2	3
11-3121	Human Resources Managers	40	40	0.0%	0	1	3	4
11-9000	Other Management Occupations	2,560	2,640	3.1%	8	111	123	242
11-9013	Farmers, Ranchers & Other Agricultural Managers	1,190	1,170	-1.7%	-2	73	44	115
11-9021	Construction Managers	140	150	7.1%	1	3	7	11
11-9032	Education Administrators, Elementary & Secondary School	210	220	4.8%	1	6	11	18
11-9041	Architectural & Engineering Managers	80	80	0.0%	0	1	4	5
11-9051	Food Service Managers	140	150	7.1%	1	4	12	17
11-9081	Lodging Managers	40	40	0.0%	0	1	3	4
11-9111	Medical & Health Services Managers	230	270	17.4%	4	6	14	24
11-9131	Postmasters & Mail Superintendents	30	20	-33.3%	-1	1	1	1
11-9151	Social & Community Service Managers	160	180	12.5%	1	5	10	16
11-9199	Managers, Other	150	160	6.7%	1	4	8	13
13-0000	Business & Financial Operations Occupations	2,180	2,210	1.4%	3	61	149	213
13-1000	Business Operations Specialists	1,290	1,300	0.8%	1	36	93	130
13-1020	Buyers & Purchasing Agents	230	210	-8.7%	-2	7	16	21
13-1041	Compliance Officers	110	110	0.0%	0	3	7	10
13-1051	Cost Estimators	90	90	0.0%	0	2	7	9
13-1071	Human Resources Specialists	230	230	0.0%	0	6	17	23
13-1075	Labor Relations Specialists	80	80	0.0%	0	2	6	8

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13-1081	Logisticians	30	30	0.0%	0	1	2	3
13-1111	Management Analysts	90	100	11.1%	1	3	6	10
13-1121	Meeting, Convention & Event Planners	30	30	0.0%	0	1	3	4
13-1131	Fundraisers	20	20	0.0%	0	1	1	2
13-1141	Compensation, Benefits & Job Analysis Specialists	30	30	0.0%	0	1	2	3
13-1151	Training & Development Specialists	70	70	0.0%	0	2	5	7
13-1161	Market Research Analysts & Marketing Specialists	190	200	5.3%	2	4	15	21
13-1199	Business Operations Specialists, Other	80	80	0.0%	0	2	5	7
13-2000	Financial Specialists	890	910	2.2%	2	25	56	83
13-2011	Accountants & Auditors	650	670	3.1%	1	19	43	63
13-2021	Appraisers & Assessors of Real Estate	30	30	0.0%	0	1	1	2
13-2041	Credit Analysts	10	10	0.0%	0	0	1	1
13-2051	Financial Analysts	20	20	0.0%	0	0	1	1
13-2052	Personal Financial Advisors	30	40	33.3%	0	1	2	3
13-2072	Loan Officers	90	100	11.1%	0	2	6	8
15-0000	Computer & Mathematical Occupations	620	620	0.0%	0	11	36	47
15-1100	Computer Occupations	600	600	0.0%	0	10	35	45
15-1121	Computer Systems Analysts	50	50	0.0%	0	1	3	4
15-1131	Computer Programmers	20	20	0.0%	0	0	1	1
15-1132	Software Developers, Applications	30	30	0.0%	0	0	2	2
15-1142	Network & Computer Systems Administrators	120	110	-8.3%	-1	2	6	7
15-1151	Computer User Support Specialists	190	190	0.0%	0	3	12	15
15-1152	Computer Network Support Specialists	70	70	0.0%	0	1	4	5
15-1199	Computer Occupations, Other	50	60	20.0%	0	1	3	4
15-2000	Mathematical Scientists	20	20	0.0%	0	0	1	1
17-0000	Architecture & Engineering Occupations	1,690	1,700	0.6%	1	42	96	139
17-1000	Architects, Surveyors & Cartographers	40	40	0.0%	0	1	2	3
17-1022	Surveyors	10	20	100.0%	0	0	1	1
17-2000	Engineers	970	990	2.1%	1	19	49	69
17-2041	Chemical Engineers	10	10	0.0%	0	0	0	0
17-2051	Civil Engineers	160	170	6.2%	1	3	9	13
17-2071	Electrical Engineers	90	90	0.0%	0	2	4	6
17-2081	Environmental Engineers	20	20	0.0%	0	0	1	1
17-2111	Health & Safety Engineers	20	20	0.0%	0	0	1	1
17-2112	Industrial Engineers	180	190	5.6%	0	4	9	13

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17-2131	Materials Engineers	30	30	0.0%	0	1	1	2
17-2141	Mechanical Engineers	270	280	3.7%	0	5	13	18
17-2171	Petroleum Engineers	70	70	0.0%	1	1	4	6
17-2199	Engineers, Other	60	60	0.0%	0	1	3	4
17-3000	Drafters, Engineering & Mapping Technicians	680	670	-1.5%	-1	22	45	66
17-3011	Architectural & Civil Drafters	30	30	0.0%	0	1	2	3
17-3013	Mechanical Drafters	90	80	-11.1%	-1	3	6	8
17-3022	Civil Engineering Technicians	20	20	0.0%	0	0	1	1
17-3023	Electrical & Electronic Engineering Technicians	50	50	0.0%	0	2	3	5
17-3026	Industrial Engineering Technicians	150	140	-6.7%	-1	5	9	13
17-3027	Mechanical Engineering Technicians	90	90	0.0%	0	3	6	9
17-3029	Engineering Technicians, Other	190	190	0.0%	0	6	12	18
17-3031	Surveying & Mapping Technicians	50	50	0.0%	0	1	5	6
19-0000	Life, Physical & Social Science Occupations	430	450	4.7%	2	9	34	45
19-1000	Life Scientists	120	120	0.0%	0	2	10	12
19-1032	Foresters	50	50	0.0%	0	1	4	5
19-2000	Physical Scientists	70	70	0.0%	0	1	6	7
19-2031	Chemists	30	30	0.0%	0	0	2	2
19-3000	Social Scientists & Related Workers	120	130	8.3%	1	3	7	11
19-3031	Clinical, Counseling & School Psychologists	100	100	0.0%	1	2	5	8
19-3051	Urban & Regional Planners	20	20	0.0%	0	0	1	1
19-4000	Life, Physical & Social Science Technicians	120	130	8.3%	1	3	11	15
19-4031	Chemical Technicians	30	30	0.0%	0	0	2	2
19-4093	Forest & Conservation Technicians	40	40	0.0%	0	1	4	5
21-0000	Community & Social Services Occupations	2,400	2,610	8.8%	21	89	177	287
21-1000	Counselors, Social Workers & Community Service Specialists	1,970	2,190	11.2%	22	69	148	239
21-1012	Educational, Guidance, School & Vocational Counselors	100	110	10.0%	0	3	7	10
21-1015	Rehabilitation Counselors	130	150	15.4%	1	4	10	15
21-1018	Substance Abuse, Behavioral Disorder, & Mental Health Counselors	590	700	18.6%	11	21	45	77
21-1021	Child, Family & School Social Workers	390	400	2.6%	1	12	27	40
21-1022	Healthcare Social Workers	100	120	20.0%	2	3	8	13
21-1023	Mental Health & Substance Abuse Social Workers	110	120	9.1%	2	3	8	13
21-1091	Health Educators	20	20	0.0%	0	1	2	3
21-1092	Probation Officers & Correctional Treatment Specialists	40	40	0.0%	0	1	3	4
21-1093	Social & Human Service Assistants	370	400	8.1%	3	15	30	48

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21-1094	Community Health Workers	20	30	50.0%	0	1	2	3
21-1099	Community & Social Service Specialists, Other	20	20	0.0%	0	1	1	2
21-2000	Religious Workers	420	420	0.0%	-1	20	29	48
21-2011	Clergy	210	210	0.0%	0	9	14	23
23-0000	Legal Occupations	230	240	4.3%	1	7	12	20
25-0000	Education, Training & Library Occupations	3,770	3,910	3.7%	14	150	183	347
25-1194	Vocational Education Teachers, Postsecondary	40	40	0.0%	0	2	2	4
25-2000	Primary, Secondary & Special Education School Teachers	2,250	2,330	3.6%	8	71	102	181
25-2011	Preschool Teachers	260	260	0.0%	1	10	16	27
25-2012	Kindergarten Teachers	40	40	0.0%	0	2	3	5
25-2031	Secondary School Teachers	870	900	3.4%	3	24	37	64
25-2054	Special Education Teachers, Secondary School	120	130	8.3%	1	4	5	10
25-3000	Other Teachers & Instructors	450	460	2.2%	1	26	26	53
25-3021	Self-Enrichment Education Teachers	100	100	0.0%	0	6	6	12
25-4031	Library Technicians	20	20	0.0%	0	2	2	4
25-9000	Other Education, Training & Library Occupations	660	690	4.5%	3	35	35	73
25-9031	Instructional Coordinators	60	60	0.0%	0	2	3	5
25-9041	Teacher Assistants	580	600	3.4%	2	31	31	64
25-9099	Education, Training & Library Workers, Other	30	30	0.0%	0	1	1	2
27-0000	Arts, Design, Entertainment, Sports & Media Occupations	520	510	-1.9%	-1	20	36	55
27-1000	Art & Design Workers	180	180	0.0%	0	6	12	18
27-1011	Art Directors	10	10	0.0%	0	0	0	0
27-1023	Floral Designers	20	20	0.0%	0	1	1	2
27-1024	Graphic Designers	100	100	0.0%	0	3	6	9
27-2041	Music Directors & Composers	30	30	0.0%	0	2	2	4
27-3000	Media & Communication Workers	150	140	-6.7%	-1	5	11	15
27-3022	Reporters & Correspondents	40	30	-25.0%	-1	1	3	3
27-3031	Public Relations Specialists	40	40	0.0%	0	1	3	4
27-3041	Editors	40	30	-25.0%	0	1	3	4
27-4011	Audio & Video Equipment Technicians	10	10	0.0%	0	0	1	1
29-0000	Healthcare Practitioners & Technical Occupations	5,760	6,160	6.9%	40	159	191	390
29-1000	Health Diagnosing & Treating Practitioners	3,270	3,530	8.0%	26	84	85	195
29-1021	Dentists, General	60	60	0.0%	0	1	0	1
29-1031	Dietitians & Nutritionists	60	70	16.7%	1	2	2	5

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29-1051	Pharmacists	200	190	-5.0%	-2	5	4	7
29-1066	Psychiatrists	20	30	50.0%	0	0	0	0
29-1069	Physicians & Surgeons, Other	180	190	5.6%	1	3	2	6
29-1071	Physician Assistants	90	100	11.1%	2	2	4	8
29-1122	Occupational Therapists	100	100	0.0%	1	2	3	6
29-1123	Physical Therapists	170	190	11.8%	2	3	4	9
29-1125	Recreational Therapists	20	20	0.0%	0	0	1	1
29-1126	Respiratory Therapists	70	80	14.3%	1	2	2	5
29-1127	Speech-Language Pathologists	80	100	25.0%	2	2	3	7
29-1141	Registered Nurses	1,900	2,050	7.9%	15	55	51	121
29-1171	Nurse Practitioners	90	110	22.2%	2	2	3	7
29-2000	Health Technologists & Technicians	2,350	2,480	5.5%	13	71	101	185
29-2010	Clinical Laboratory Technologists & Technicians	120	120	0.0%	0	3	4	7
29-2021	Dental Hygienists	100	110	10.0%	0	4	3	7
29-2032	Diagnostic Medical Sonographers	30	40	33.3%	0	1	1	2
29-2034	Radiologic Technologists	120	130	8.3%	0	3	4	7
29-2035	Magnetic Resonance Imaging Technologists	10	10	0.0%	0	0	0	0
29-2041	Emergency Medical Technicians & Paramedics	360	380	5.6%	2	7	18	27
29-2052	Pharmacy Technicians	200	200	0.0%	0	6	10	16
29-2055	Surgical Technologists	30	30	0.0%	0	1	2	3
29-2061	Licensed Practical & Licensed Vocational Nurses	810	880	8.6%	6	29	36	71
29-2071	Medical Records & Health Information Technicians	110	120	9.1%	1	3	4	8
29-2081	Opticians, Dispensing	130	130	0.0%	0	5	5	10
29-2099	Health Technologists & Technicians, Other	190	220	15.8%	3	6	8	17
29-9000	Other Healthcare Practitioners & Technical Occupations	140	150	7.1%	1	3	5	9
29-9011	Occupational Health & Safety Specialists	90	90	0.0%	0	2	3	5
29-9012	Occupational Health & Safety Technicians	30	30	0.0%	0	1	1	2
31-0000	Healthcare Support Occupations	2,950	3,240	9.8%	29	157	193	379
31-1000	Nursing, Psychiatric & Home Health Aides	2,110	2,330	10.4%	22	119	130	271
31-1014	Nursing Assistants	1,490	1,590	6.7%	10	83	90	183
31-2000	Occupational & Physical Therapist Assistants & Aides	200	230	15.0%	2	9	16	27
31-2011	Occupational Therapy Assistants	60	70	16.7%	1	3	4	8
31-2021	Physical Therapist Assistants	120	130	8.3%	1	5	10	16
31-9000	Other Healthcare Support Occupations	640	680	6.2%	4	29	47	80

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31-9091	Dental Assistants	130	130	0.0%	0	6	9	15
31-9092	Medical Assistants	320	360	12.5%	4	13	24	41
31-9093	Medical Equipment Preparers	10	10	0.0%	0	1	1	2
31-9094	Medical Transcriptionists	30	20	-33.3%	-1	2	2	3
31-9097	Phlebotomists	50	50	0.0%	0	2	3	5
31-9099	Healthcare Support Workers, Other	20	20	0.0%	0	1	1	2
33-0000	Protective Service Occupations	1,690	1,650	-2.4%	-4	72	95	163
33-1012	Supervisors - Police & Detectives	40	40	0.0%	0	1	2	3
33-1099	Supervisors - Protective Service Workers, Other	20	30	50.0%	0	1	1	2
33-3000	Law Enforcement Workers	1,150	1,100	-4.3%	-4	36	54	86
33-3012	Correctional Officers & Jailers	680	630	-7.4%	-5	25	33	53
33-3051	Police & Sheriff's Patrol Officers	450	450	0.0%	1	11	21	33
33-9000	Other Protective Service Workers	400	400	0.0%	0	32	34	66
33-9021	Private Detectives & Investigators	10	10	0.0%	0	0	1	1
33-9032	Security Guards	230	220	-4.3%	0	11	17	28
33-9092	Lifeguards, Ski Patrol & Other Recreational Protective Service	80	80	0.0%	0	10	8	18
33-9093	Transportation Security Screeners	10	10	0.0%	0	0	1	1
33-9099	Protective Service Workers, Other	60	60	0.0%	0	8	6	14
35-0000	Food Preparation & Serving Related Occupations	6,930	7,260	4.8%	33	469	728	1,230
35-1000	Supervisors, Food Preparation & Serving Workers	560	570	1.8%	2	24	62	88
35-1011	Chefs & Head Cooks	20	30	50.0%	0	1	2	3
35-1012	Supervisors - Food Preparation & Serving Workers	530	550	3.8%	1	24	59	84
35-2000	Cooks & Food Preparation Workers	1,850	1,970	6.5%	12	111	174	297
35-2012	Cooks, Institution & Cafeteria	250	250	0.0%	0	13	22	35
35-2014	Cooks, Restaurant	920	1,040	13.0%	12	52	86	150
35-2015	Cooks, Short Order	80	70	-12.5%	-1	4	7	10
35-2021	Food Preparation Workers	490	510	4.1%	1	37	50	88
35-3000	Food & Beverage Serving Workers	3,920	4,110	4.8%	19	285	439	743
35-3011	Bartenders	830	830	0.0%	0	39	107	146
35-3021	Combined Food Preparation & Serving Workers	2,010	2,200	9.5%	18	168	207	393
35-3031	Waiters & Waitresses	860	860	0.0%	0	60	105	165
35-9000	Other Food Preparation & Serving Related Workers	600	610	1.7%	1	49	54	104
35-9021	Dishwashers	290	280	-3.4%	-1	21	24	44
37-0000	Building & Grounds Cleaning & Maintenance Occupations	3,400	3,470	2.1%	7	206	246	459

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37-1000	Supervisors of Building & Grounds Cleaning & Maintenance Workers	160	170	6.2%	1	7	12	20
37-2000	Building Cleaning & Pest Control Workers	2,730	2,770	1.5%	4	178	188	370
37-2011	Janitors & Cleaners	1,720	1,760	2.3%	4	106	122	232
37-2012	Maids & Housekeeping Cleaners	1,020	1,010	-1.0%	0	72	65	137
37-3000	Grounds Maintenance Workers	510	530	3.9%	2	21	46	69
37-3011	Landscaping & Groundskeeping Workers	480	500	4.2%	2	20	43	65
39-0000	Personal Care & Service Occupations	3,750	4,210	12.3%	46	273	287	606
39-1000	Supervisors, Personal Care & Service Workers	160	170	6.2%	1	7	9	17
39-1021	Supervisors - Personal Service Workers	160	170	6.2%	1	7	9	17
39-2000	Animal Care & Service Workers	70	80	14.3%	1	5	7	13
39-2011	Animal Trainers	10	20	100.0%	0	1	1	2
39-2021	Nonfarm Animal Caretakers	60	60	0.0%	0	4	5	9
39-3000	Entertainment Attendants & Related Workers	70	80	14.3%	0	8	9	17
39-9000	Other Personal Care & Service Workers	2,780	3,150	13.3%	38	212	217	467
39-9021	Personal Care Aides	1,800	2,170	20.6%	37	147	130	314
39-9031	Fitness Trainers & Aerobics Instructors	100	100	0.0%	0	6	11	17
39-9032	Recreation Workers	230	230	0.0%	0	14	24	38
39-9099	Personal Care & Service Workers, Other	10	10	0.0%	0	1	1	2
41-0000	Sales & Related Occupations	7,450	7,230	-3.0%	-22	425	638	1,041
41-1000	Supervisors - Sales Workers	1,300	1,270	-2.3%	-3	44	95	136
41-1011	Supervisors - Retail Sales Workers	1,130	1,110	-1.8%	-2	39	84	121
41-1012	Supervisors - Non-Retail Sales Workers	170	160	-5.9%	0	5	10	15
41-2000	Retail Sales Workers	4,720	4,540	-3.8%	-18	334	432	748
41-2011	Cashiers	2,290	2,170	-5.2%	-12	199	222	409
41-2031	Retail Salespersons	2,180	2,130	-2.3%	-5	124	191	310
41-3000	Sales Representatives, Services	320	320	0.0%	1	10	27	38
41-3021	Insurance Sales Agents	110	110	0.0%	1	4	6	11
41-3099	Sales Representatives, Other Services	140	140	0.0%	0	4	13	17
41-4000	Sales Representatives, Wholesale & Manufacturing	890	880	-1.1%	-1	27	66	92
41-9000	Other Sales & Related Workers	230	220	-4.3%	-1	10	19	28
41-9022	Real Estate Sales Agents	60	60	0.0%	0	3	3	6
41-9031	Sales Engineers	20	20	0.0%	0	0	2	2
43-0000	Office & Administrative Support Occupations	11,920	11,050	-7.3%	-88	571	769	1,252
43-1000	Supervisors - Office & Administrative Support Workers	920	870	-5.4%	-5	34	60	89

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43-1011	Supervisors - Office & Administrative Support Workers	920	870	-5.4%	-5	34	60	89
43-2000	Communications Equipment Operators	30	20	-33.3%	-1	1	2	2
43-2011	Switchboard Operators	30	20	-33.3%	-1	1	2	2
43-3000	Financial Clerks	1,690	1,560	-7.7%	-13	86	101	174
43-3021	Billing & Posting Clerks	230	240	4.3%	1	10	16	27
43-3031	Bookkeeping, Accounting & Auditing Clerks	880	810	-8.0%	-7	51	47	91
43-3051	Payroll & Timekeeping Clerks	90	80	-11.1%	0	4	5	9
43-3061	Procurement Clerks	50	40	-20.0%	0	2	3	5
43-3071	Tellers	420	360	-14.3%	-6	19	28	41
43-4000	Information & Record Clerks	2,190	2,080	-5.0%	-11	108	170	267
43-4031	Court, Municipal & License Clerks	40	40	0.0%	0	2	2	4
43-4051	Customer Service Representatives	900	810	-10.0%	-9	41	73	105
43-4061	Eligibility Interviewers, Government Programs	130	130	0.0%	0	5	7	12
43-4071	File Clerks	20	20	0.0%	0	1	1	2
43-4081	Hotel, Motel & Resort Desk Clerks	160	150	-6.2%	-1	9	18	26
43-4111	Interviewers	110	110	0.0%	0	6	8	14
43-4121	Library Assistants, Clerical	80	80	0.0%	0	7	6	13
43-4131	Loan Interviewers & Clerks	60	70	16.7%	0	2	4	6
43-4151	Order Clerks	50	50	0.0%	0	2	4	6
43-4161	Human Resources Assistants	60	50	-16.7%	0	2	4	6
43-4171	Receptionists & Information Clerks	510	510	0.0%	0	30	39	69
43-5000	Material Recording, Scheduling, Dispatching & Distributing Workers	2,050	1,940	-5.4%	-11	85	135	209
43-5021	Couriers & Messengers	60	60	0.0%	0	2	3	5
43-5031	Police, Fire & Ambulance Dispatchers	90	90	0.0%	0	3	5	8
43-5032	Dispatchers	50	50	0.0%	0	2	3	5
43-5041	Meter Readers, Utilities	20	20	0.0%	0	1	1	2
43-5051	Postal Service Clerks	130	110	-15.4%	-2	5	4	7
43-5052	Postal Service Mail Carriers	260	220	-15.4%	-4	9	9	14
43-5061	Production, Planning & Expediting Clerks	180	180	0.0%	0	6	12	18
43-5071	Shipping, Receiving & Traffic Clerks	300	290	-3.3%	-1	10	19	28
43-5081	Stock Clerks & Order Fillers	920	890	-3.3%	-3	46	75	118
43-5111	Weighers, Measurers, Checkers & Samplers, Recordkeeping	30	30	0.0%	0	1	2	3
43-6000	Secretaries & Administrative Assistants	2,400	2,140	-10.8%	-26	116	138	228
43-6013	Medical Secretaries	240	270	12.5%	3	13	15	31

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43-6014	Secretaries	1,870	1,640	-12.3%	-22	90	106	174
43-9000	Other Office & Administrative Support Workers	2,640	2,440	-7.6%	-20	140	163	283
43-9021	Data Entry Keyers	30	20	-33.3%	-1	1	2	2
43-9022	Word Processors & Typists	150	100	-33.3%	-5	7	8	10
43-9051	Mail Clerks & Mail Machine Operators	40	30	-25.0%	0	2	2	4
43-9061	Office Clerks, General	2,290	2,140	-6.6%	-14	124	141	251
43-9199	Office & Administrative Support Workers, Other	50	50	0.0%	0	2	4	6
45-0000	Farming, Fishing & Forestry Occupations	1,010	920	-8.9%	-9	38	118	147
45-2041	Graders & Sorters, Agricultural Products	10	10	0.0%	0	0	1	1
45-2091	Agricultural Equipment Operators	60	50	-16.7%	0	2	7	9
45-4000	Forest, Conservation & Logging Workers	340	310	-8.8%	-3	13	40	50
45-4022	Logging Equipment Operators	220	200	-9.1%	-2	8	25	31
45-4023	Log Graders & Scalers	50	50	0.0%	0	2	6	8
47-0000	Construction & Extraction Occupations	4,820	5,020	4.1%	20	160	402	582
47-1000	Supervisors - Construction & Extraction Workers	450	480	6.7%	3	14	35	52
47-1011	Supervisors - Construction Trades & Extraction Workers	450	480	6.7%	3	14	35	52
47-2000	Construction Trades Workers	3,050	3,160	3.6%	11	100	244	355
47-2021	Brickmasons & Blockmasons	80	80	0.0%	0	2	6	8
47-2031	Carpenters	470	490	4.3%	2	15	34	51
47-2061	Construction Laborers	850	910	7.1%	6	29	68	103
47-2073	Operating Engineers & Other Construction Equipment Operators	800	790	-1.2%	-1	27	64	90
47-2111	Electricians	300	310	3.3%	1	9	26	36
47-2132	Insulation Workers, Mechanical	40	40	0.0%	0	1	3	4
47-2141	Painters, Construction & Maintenance	70	70	0.0%	0	2	4	6
47-2152	Plumbers, Pipefitters & Steamfitters	160	170	6.2%	1	5	14	20
47-2181	Roofers	40	50	25.0%	0	1	4	5
47-2221	Structural Iron & Steel Workers	20	20	0.0%	0	1	2	3
47-3000	Helpers, Construction Trades	100	100	0.0%	1	3	10	14
47-3014	Helpers--Painters, Paperhangers, Plasterers & Stucco Masons	30	30	0.0%	0	1	3	4
47-4000	Other Construction & Related Workers	600	610	1.7%	1	25	43	69
47-4011	Construction & Building Inspectors	100	100	0.0%	0	5	7	12
47-4051	Highway Maintenance Workers	430	440	2.3%	1	18	31	50
47-4061	Rail-Track Laying & Maintenance Equipment Operators	20	20	0.0%	0	0	1	1
47-5000	Extraction Workers	620	660	6.5%	4	18	70	92

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47-5051	Rock Splitters, Quarry	10	10	0.0%	0	0	0	0
47-5071	Roustabouts, Oil & Gas	210	220	4.8%	1	6	22	29
49-0000	Installation, Maintenance & Repair Occupations	4,850	4,920	1.4%	7	154	318	479
49-1000	Supervisors - Installation, Maintenance & Repair Workers	410	410	0.0%	0	13	25	38
49-1011	Supervisors - Mechanics, Installers & Repairers	410	410	0.0%	0	13	25	38
49-2000	Electrical & Electronic Equipment Mechanics, Installers & Repairers	280	270	-3.6%	-2	7	22	27
49-2022	Telecommunications Equipment Installers & Repairers	120	110	-8.3%	-1	3	9	11
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	80	70	-12.5%	-1	1	5	5
49-3000	Vehicle & Mobile Equipment Mechanics, Installers	1,580	1,600	1.3%	1	46	107	154
49-3011	Aircraft Mechanics & Service Technicians	10	10	0.0%	0	0	0	0
49-3021	Automotive Body & Related Repairers	170	170	0.0%	0	5	11	16
49-3023	Automotive Service Technicians & Mechanics	740	740	0.0%	0	20	52	72
49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	350	350	0.0%	0	10	23	33
49-3041	Farm Equipment Mechanics & Service Technicians	10	10	0.0%	0	0	0	0
49-3042	Mobile Heavy Equipment Mechanics	140	140	0.0%	0	4	9	13
49-3043	Rail Car Repairers	20	20	0.0%	0	1	1	2
49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	80	80	0.0%	0	3	5	8
49-9000	Other Installation, Maintenance & Repair Occupations	2,570	2,650	3.1%	8	88	164	260
49-9012	Control & Valve Installers & Repairers	60	60	0.0%	0	2	4	6
49-9021	Heating, A/C & Refrigeration Mechanics & Installers	200	210	5.0%	1	6	14	21
49-9041	Industrial Machinery Mechanics	390	410	5.1%	2	12	24	38
49-9043	Maintenance Workers, Machinery	170	180	5.9%	1	7	9	17
49-9044	Millwrights	50	50	0.0%	0	2	3	5
49-9051	Electrical Power-Line Installers & Repairers	60	60	0.0%	0	2	4	6
49-9062	Medical Equipment Repairers	20	20	0.0%	0	1	1	2
49-9071	Maintenance & Repair Workers, General	1,330	1,370	3.0%	4	47	84	135
51-0000	Production Occupations	12,300	11,500	-6.5%	-80	440	901	1,261
51-1000	Supervisors - Production Workers	970	960	-1.0%	-1	31	68	98
51-1011	Supervisors - Production & Operating Workers	970	960	-1.0%	-1	31	68	98
51-2000	Assemblers & Fabricators	1,560	1,360	-12.8%	-20	60	108	148
51-2028	Electrical, Electronic, & Electromechanical Assemblers	460	470	2.2%	1	20	33	54
51-2041	Structural Metal Fabricators & Fitters	30	30	0.0%	0	1	2	3
51-2098	Assemblers & Fabricators, All Other	1,070	860	-19.6%	-21	40	73	92
51-3000	Food Processing Workers	250	240	-4.0%	-1	12	20	31

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51-3021	Butchers & Meat Cutters	150	150	0.0%	0	6	12	18
51-3092	Food Batchmakers	30	30	0.0%	0	2	3	5
51-4000	Metal Workers & Plastic Workers	5,100	4,870	-4.5%	-23	162	363	502
51-4011	Computer-Controlled Machine Tool Operators	480	480	0.0%	0	14	36	50
51-4012	Computer Numerically Controlled Machine Tool Programmers	60	70	16.7%	1	2	5	8
51-4021	Extruding & Drawing Machine Operators	20	20	0.0%	0	0	2	2
51-4022	Forging Machine Operators	170	130	-23.5%	-4	4	10	10
51-4031	Cutting, Punching & Press Machine Operators	440	390	-11.4%	-6	16	30	40
51-4033	Grinding, Lapping, Polishing & Buffing Machine Tool Operators	160	150	-6.2%	-2	6	11	15
51-4034	Lathe & Turning Machine Tool Operators	90	80	-11.1%	-1	4	5	8
51-4035	Milling & Planing Machine Operators	10	10	0.0%	0	0	1	1
51-4041	Machinists	930	940	1.1%	0	31	64	95
51-4051	Metal-Refining Furnace Operators	30	30	0.0%	0	1	2	3
51-4072	Molding, Coremaking & Casting Machine Operators	240	210	-12.5%	-3	7	17	21
51-4081	Multiple Machine Tool Operators	690	670	-2.9%	-2	24	47	69
51-4111	Tool & Die Makers	390	350	-10.3%	-4	14	23	33
51-4121	Welders, Cutters, Solderers & Brazers	780	800	2.6%	2	20	66	88
51-4191	Heat Treating Equipment Operators	330	300	-9.1%	-3	11	22	30
51-4193	Plating & Coating Machine Operators	240	220	-8.3%	-2	7	17	22
51-5100	Printing Workers	160	130	-18.8%	-3	6	10	13
51-5111	Prepress Technician & Workers	10	10	0.0%	0	0	0	0
51-6000	Textile, Apparel & Furnishings Workers	310	280	-9.7%	-3	18	18	33
51-6011	Laundry & Dry-Cleaning Workers	100	100	0.0%	0	6	7	13
51-6021	Pressers: Textile, Garment & Related Materials	70	60	-14.3%	-1	4	4	7
51-6031	Sewing Machine Operators	40	40	0.0%	0	2	2	4
51-6041	Shoe & Leather Workers & Repairers	60	50	-16.7%	-1	4	2	5
51-6099	Textile, Apparel & Furnishings Workers, Other	20	20	0.0%	0	1	2	3
51-7000	Woodworkers	540	530	-1.9%	-2	23	45	66
51-7041	Sawing Machine Operators, Wood	240	230	-4.2%	0	7	20	27
51-7042	Woodworking Machine Operators	270	260	-3.7%	-1	14	23	36
51-8000	Plant & System Operators	370	360	-2.7%	-1	10	27	36
51-8021	Stationary Engineers & Boiler Operators	50	50	0.0%	0	2	4	6
51-8031	Water & Wastewater Treatment Plant & System Operators	140	130	-7.1%	-1	4	8	11
51-8092	Gas Plant Operators	50	50	0.0%	0	1	5	6

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51-9000	Other Production Occupations	3,040	2,780	-8.6%	-27	119	240	332
51-9011	Chemical Equipment Operators	50	40	-20.0%	0	1	4	5
51-9012	Separating, Filtering, Clarifying, Precipitating & Still Machine Operators	60	60	0.0%	0	2	6	8
51-9021	Crushing, Grinding & Polishing Machine Operators	30	30	0.0%	0	1	2	3
51-9022	Grinding & Polishing Workers, Hand	40	30	-25.0%	-1	1	3	3
51-9023	Mixing & Blending Machine Operators	140	130	-7.1%	-1	4	12	15
51-9041	Extruding, Forming, Pressing & Compacting Machine Operators	110	100	-9.1%	0	4	7	11
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators	140	140	0.0%	0	6	9	15
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	1,220	1,010	-17.2%	-20	44	93	117
51-9111	Packaging & Filling Machine Operators	270	260	-3.7%	-1	12	19	30
51-9121	Coating, Painting & Spraying Machine Operators	110	110	0.0%	0	3	8	11
51-9192	Cleaning, Washing & Metal Pickling Equipment Operators	20	20	0.0%	0	1	2	3
51-9195	Molders, Shapers & Casters	60	60	0.0%	0	2	4	6
51-9196	Paper Goods Machine Operators	130	120	-7.7%	-1	4	10	13
51-9198	Helpers--Production Workers	530	520	-1.9%	-1	28	50	77
53-0000	Transportation & Material Moving Occupations	8,110	8,350	3.0%	23	371	634	1,028
53-1000	Supervisors - Transportation & Material Moving Workers	270	270	0.0%	1	9	20	30
53-1048	Supervisors - Transportation & Material Moving Workers	270	270	0.0%	1	9	20	30
53-2021	Air Traffic Controllers	10	10	0.0%	0	0	0	0
53-3000	Motor Vehicle Operators	4,230	4,410	4.3%	18	202	295	515
53-3031	Driver/Sales Workers	130	120	-7.7%	-1	5	9	13
53-3032	Heavy & Tractor-Trailer Truck Drivers	2,620	2,730	4.2%	11	110	194	315
53-3033	Light Truck or Delivery Services Drivers	720	730	1.4%	2	30	52	84
53-3041	Taxi Drivers & Chauffeurs	160	200	25.0%	4	10	10	24
53-4000	Rail Transportation Workers	110	110	0.0%	0	3	8	11
53-4011	Locomotive Engineers	30	30	0.0%	0	1	2	3
53-4013	Rail Yard Engineers, Dinkey Operators & Hostlers	20	20	0.0%	0	1	1	2
53-4021	Railroad Brake, Signal & Switch Operators	20	20	0.0%	0	0	1	1
53-4031	Railroad Conductors & Yardmasters	40	40	0.0%	0	1	3	4
53-7000	Material Moving Workers	3,450	3,490	1.2%	4	155	305	464
53-7051	Industrial Truck & Tractor Operators	550	550	0.0%	0	16	45	61
53-7061	Cleaners of Vehicles & Equipment	150	160	6.7%	0	8	15	23
53-7062	Laborers & Freight, Stock & Material Movers	1,500	1,520	1.3%	1	68	142	211
53-7063	Machine Feeders & Offbearers	770	810	5.2%	4	40	65	109

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53-7064	Packers & Packagers, Hand	220	210	-4.5%	-1	13	18	30
53-7073	Wellhead Pumpers	30	30	0.0%	0	1	3	4
53-7081	Refuse & Recyclable Material Collectors	70	70	0.0%	1	4	6	11

FOOTNOTES:

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

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

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

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

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