

NORTHWEST Workforce Investment Area Occupational Projections 2012-2022

Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
00-0000	Total, All Occupations	132,960	143,100	10,140	7.6%	43,290	\$30,976			
11-1011	Chief Executives	520	530	10	2.1%	120	\$108,593	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	2,420	2,660	240	9.9%	690	\$75,543	Bachelor's degree	Less than 5 years	None
11-1031	Legislators	120	130	10	4.8%	30	\$33,486	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	90	100	10	13.3%	30	\$60,409	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	200	210	10	5.5%	50	\$82,289	Bachelor's degree	Less than 5 years	None
11-3011	Administrative Services Managers	240	260	20	10.6%	60	\$61,476	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	100	110	10	10.3%	20	\$75,321	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	390	420	30	7.5%	100	\$87,339	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	400	420	20	4.5%	90	\$78,007	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	40	40	0	2.5%	10	\$54,204	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	110	110	0	1.9%	30	\$77,642	High school diploma or equivalent	5 years or more	None
11-3121	Human Resources Managers	60	70	0	6.3%	20	\$85,912	Bachelor's degree	5 years or more	None
11-9021	Construction Managers	590	640	50	9.0%	150	\$68,786	Bachelor's degree	None	Moderate-term on-the-job training
11-9031	Education Administrators, Preschool and Childcare Center/Program	60	70	10	9.2%	20	\$34,238	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	390	420	20	5.6%	130	\$70,064	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	130	140	20	13.3%	50	\$77,463	Master's degree	5 years or more	None
11-9041	Architectural and Engineering Managers	80	80	0	5.2%	20	\$97,865	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	380	390	10	1.6%	80	\$35,429	High school diploma or equivalent	Less than 5 years	None
11-9071	Gaming Managers	50	50	0	6.0%	10	\$44,422	High school diploma or equivalent	Less than 5 years	None
11-9081	Lodging Managers	60	60	0	1.6%	20	N/A	High school diploma or equivalent	Less than 5 years	None
11-9111	Medical and Health Services Managers	240	280	40	14.3%	90	\$71,872	Bachelor's degree	None	None
11-9121	Natural Sciences Managers	20	20	0	-12.0%	0	N/A	Bachelor's degree	5 years or more	None
11-9131	Postmasters and Mail Superintendents	90	60	-20	-28.1%	20	\$60,050	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	380	430	50	12.9%	140	\$39,927	High school diploma or equivalent	Less than 5 years	None
11-9151	Social and Community Service Managers	100	110	10	13.0%	30	\$45,589	Bachelor's degree	5 years or more	None
11-9161	Emergency Management Directors	30	30	0	3.2%	0	\$40,455	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	140	160	10	6.9%	40	\$60,974	High school diploma or equivalent	Less than 5 years	None
13-1021	Buyers and Purchasing Agents, Farm Products	40	40	0	2.3%	10	\$36,833	High school diploma or equivalent	None	Long-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	40	40	0	0.0%	10	\$86,595	High school diploma or equivalent	None	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	170	170	0	1.2%	30	\$45,313	High school diploma or equivalent	None	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	100	100	0	-4.0%	20	\$49,862	High school diploma or equivalent	None	Long-term on-the-job training

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13-1041	Compliance Officers	230	230	0	2.2%	50	\$44,183	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	110	130	20	22.6%	60	\$45,846	Bachelor's degree	None	None
13-1071	Human Resources Specialists	160	160	0	3.1%	30	\$42,938	Bachelor's degree	None	None
13-1074	Farm Labor Contractors	630	620	-10	-2.1%	120	N/A	Less than high school	Less than 5 years	Short-term on-the-job training
13-1111	Management Analysts	300	350	50	17.9%	100	\$49,329	Bachelor's degree	Less than 5 years	None
13-1151	Training and Development Specialists	130	150	10	10.5%	40	\$47,486	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	100	130	30	28.0%	40	\$45,205	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	200	180	-20	-10.3%	30	\$52,642	High school diploma or equivalent	None	None
13-2011	Accountants and Auditors	1,130	1,270	130	11.7%	470	\$47,526	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	70	70	0	2.9%	10	\$33,134	Bachelor's degree	None	Long-term on-the-job training
13-2051	Financial Analysts	40	50	10	17.8%	20	\$75,599	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	30	40	10	19.4%	10	\$49,012	Bachelor's degree	None	None
13-2053	Insurance Underwriters	40	40	-10	-14.3%	10	N/A	Bachelor's degree	None	Moderate-term on-the-job training
13-2061	Financial Examiners	30	30	0	3.2%	10	N/A	Bachelor's degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	460	450	-10	-1.5%	80	\$54,625	Bachelor's degree	None	Moderate-term on-the-job training
13-2081	Tax Examiners and Collectors, and Revenue Agents	30	30	0	-3.7%	10	\$30,602	Bachelor's degree	None	Moderate-term on-the-job training
13-2082	Tax Preparers	100	110	10	10.7%	30	\$38,373	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	60	60	0	1.7%	10	\$46,374	Bachelor's degree	None	Moderate-term on-the-job training
15-1121	Computer Systems Analysts	120	130	20	13.9%	30	\$54,798	Bachelor's degree	None	None
15-1122	Information Security Analysts	30	40	10	34.5%	20	\$55,882	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	80	80	0	5.2%	20	\$53,654	Bachelor's degree	None	None
15-1132	Software Developers, Applications	120	160	30	27.6%	50	\$61,620	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	30	40	10	29.0%	10	\$70,794	Bachelor's degree	None	None
15-1141	Database Administrators	30	40	0	16.7%	10	\$49,123	Bachelor's degree	Less than 5 years	None
15-1142	Network and Computer Systems Administrators	170	180	0	2.3%	30	\$57,100	Bachelor's degree	None	None
15-1151	Computer User Support Specialists	450	520	80	16.7%	150	\$36,996	Some college, no degree	None	Moderate-term on-the-job training
15-1152	Computer Network Support Specialists	50	50	0	0.0%	10	\$55,043	Associate's degree	None	None
15-2041	Statisticians	70	100	30	46.3%	50	N/A	Master's degree	None	None
17-1022	Surveyors	30	40	0	2.9%	10	\$41,229	Bachelor's degree	Less than 5 years	None
17-2041	Chemical Engineers	40	40	0	8.6%	10	N/A	Bachelor's degree	None	None
17-2051	Civil Engineers	110	120	20	17.0%	40	\$73,922	Bachelor's degree	None	None
17-2071	Electrical Engineers	110	120	10	8.8%	40	\$74,597	Bachelor's degree	None	None

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17-2081	Environmental Engineers	40	40	0	8.1%	10	\$68,301	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	40	40	0	7.5%	20	\$65,144	Bachelor's degree	None	None
17-2112	Industrial Engineers	120	140	20	14.8%	50	\$58,938	Bachelor's degree	None	None
17-2131	Materials Engineers	40	50	0	2.2%	20	\$66,507	Bachelor's degree	None	None
17-2141	Mechanical Engineers	140	150	0	1.4%	50	\$61,696	Bachelor's degree	None	None
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	30	30	0	0.0%	10	N/A	Bachelor's degree	None	None
17-2171	Petroleum Engineers	210	250	40	19.0%	90	\$113,697	Bachelor's degree	None	None
17-2199	Engineers, All Other	30	30	0	7.1%	10	\$84,050	Bachelor's degree	None	None
17-3011	Architectural and Civil Drafters	50	50	0	2.0%	10	\$55,706	Associate's degree	None	None
17-3013	Mechanical Drafters	60	60	0	-6.3%	10	\$48,981	Associate's degree	None	None
17-3019	Drafters, All Other	30	30	0	7.7%	0	N/A	Associate's degree	None	None
17-3022	Civil Engineering Technicians	30	20	0	-3.8%	0	N/A	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	70	70	0	-2.7%	20	\$43,592	Associate's degree	None	None
17-3025	Environmental Engineering Technicians	30	30	0	10.7%	10	\$24,373	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	120	120	0	-1.7%	20	\$36,727	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	90	100	10	11.4%	30	\$43,354	High school diploma or equivalent	None	Moderate-term on-the-job training
19-1031	Conservation Scientists	40	40	0	-11.1%	10	\$57,970	Bachelor's degree	None	None
19-2031	Chemists	80	90	10	7.2%	30	\$69,021	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	70	90	20	21.1%	40	\$44,284	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	70	80	10	13.4%	30	N/A	Bachelor's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	70	80	0	4.2%	20	\$40,902	Doctoral or professional degree	None	Internship/residency
19-3092	Geographers	30	40	10	39.3%	20	N/A	Bachelor's degree	None	None
19-4021	Biological Technicians	30	30	0	-6.5%	10	\$35,301	Bachelor's degree	None	None
19-4031	Chemical Technicians	80	100	10	14.5%	30	\$35,945	Associate's degree	None	Moderate-term on-the-job training
19-4041	Geological and Petroleum Technicians	70	80	10	13.6%	30	\$59,636	Associate's degree	None	Moderate-term on-the-job training
19-4091	Environmental Science and Protection Technicians, Including Health	40	40	0	11.1%	20	\$34,255	Associate's degree	None	None
21-1011	Substance Abuse and Behavioral Disorder Counselors	80	90	10	15.8%	30	\$38,889	High school diploma or equivalent	None	Moderate-term on-the-job training
21-1012	Educational, Guidance, School, and Vocational Counselors	350	380	40	10.1%	110	\$43,252	Master's degree	None	None
21-1013	Marriage and Family Therapists	30	40	10	19.4%	10	\$18,066	Master's degree	None	Internship/residency
21-1014	Mental Health Counselors	120	140	20	16.9%	40	\$44,664	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	230	260	30	11.1%	80	\$20,531	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	370	360	-10	-3.0%	80	\$31,124	Bachelor's degree	None	None

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21-1022	Healthcare Social Workers	60	60	10	14.5%	20	\$38,043	Master's degree	None	None
21-1023	Mental Health and Substance Abuse Social Workers	100	120	10	12.4%	40	\$35,645	Bachelor's degree	None	None
21-1029	Social Workers, All Other	30	30	0	-3.1%	10	\$36,003	Bachelor's degree	None	None
21-1091	Health Educators	30	30	0	17.2%	10	\$55,286	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	40	30	0	-8.6%	10	\$43,885	Bachelor's degree	None	Short-term on-the-job training
21-1093	Social and Human Service Assistants	180	200	10	7.6%	60	\$24,643	High school diploma or equivalent	None	Short-term on-the-job training
21-1094	Community Health Workers	40	50	10	15.6%	20	\$23,345	High school diploma or equivalent	None	Short-term on-the-job training
23-1011	Lawyers	470	520	50	10.4%	120	\$88,274	Doctoral or professional degree	None	None
23-1012	Judicial Law Clerks	40	50	0	6.8%	10	N/A	Doctoral or professional degree	None	None
23-1023	Judges, Magistrate Judges, and Magistrates	50	50	0	-7.5%	10	\$51,600	Doctoral or professional degree	5 years or more	Short-term on-the-job training
23-2011	Paralegals and Legal Assistants	180	220	40	24.0%	70	\$40,133	Associate's degree	None	None
23-2093	Title Examiners, Abstractors, and Searchers	70	80	10	14.9%	20	\$34,496	High school diploma or equivalent	None	Short-term on-the-job training
25-1011	Business Teachers, Postsecondary	120	140	20	14.8%	40	\$91,572	Doctoral or professional degree	None	None
25-1021	Computer Science Teachers, Postsecondary	30	30	0	13.8%	10	\$90,815	Doctoral or professional degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	70	80	10	12.3%	20	\$67,043	Doctoral or professional degree	None	None
25-1041	Agricultural Sciences Teachers, Postsecondary	30	30	0	6.9%	10	N/A	Doctoral or professional degree	None	None
25-1042	Biological Science Teachers, Postsecondary	50	60	10	18.5%	20	\$73,905	Doctoral or professional degree	None	None
25-1065	Political Science Teachers, Postsecondary	30	40	0	14.7%	10	N/A	Doctoral or professional degree	None	None
25-1066	Psychology Teachers, Postsecondary	70	80	10	14.3%	20	N/A	Doctoral or professional degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	40	50	10	35.0%	20	\$65,756	Doctoral or professional degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	110	150	40	34.5%	60	\$68,339	Master's degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	130	150	20	14.2%	40	\$49,890	Doctoral or professional degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	60	70	10	15.0%	20	N/A	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	50	50	0	10.6%	10	N/A	Doctoral or professional degree	None	None
25-1123	English Language and Literature Teachers, Postsecondary	110	130	10	12.5%	30	N/A	Doctoral or professional degree	None	None
25-1125	History Teachers, Postsecondary	40	40	0	11.4%	10	N/A	Doctoral or professional degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	40	50	0	11.1%	10	N/A	Doctoral or professional degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	240	270	30	12.4%	70	\$54,054	Bachelor's degree	Less than 5 years	None
25-2011	Preschool Teachers, Except Special Education	620	670	60	8.9%	230	\$26,148	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	260	290	30	12.6%	110	\$37,659	Bachelor's degree	None	Internship/residency
25-2021	Elementary School Teachers, Except Special Education	2,130	2,390	260	12.3%	730	\$38,912	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Career/Technical Education	1,100	1,230	140	12.3%	380	\$41,511	Bachelor's degree	None	Internship/residency

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25-2023	Career/Technical Education Teachers, Middle School	80	80	0	5.3%	20	\$38,397	Bachelor's degree	Less than 5 years	Internship/residency
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	1,530	1,610	80	5.5%	500	\$40,920	Bachelor's degree	None	Internship/residency
25-2032	Career/Technical Education Teachers, Secondary School	130	140	10	5.3%	40	\$44,454	Bachelor's degree	Less than 5 years	Internship/residency
25-2052	Special Education Teachers, Kindergarten and Elementary School	190	200	10	4.7%	40	\$40,825	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	140	140	10	5.1%	30	\$41,725	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	150	160	10	4.6%	30	\$46,368	Bachelor's degree	None	Internship/residency
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	70	70	0	7.2%	20	\$49,213	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	90	100	10	13.2%	30	\$22,892	High school diploma or equivalent	Less than 5 years	None
25-3098	Substitute Teachers	1,510	1,610	100	6.7%	360	\$18,271	Bachelor's degree	None	Internship/residency
25-3099	Teachers and Instructors, All Other	90	100	0	5.6%	20	N/A	Bachelor's degree	None	Internship/residency
25-4021	Librarians	210	230	20	7.5%	60	\$41,622	Master's degree	None	None
25-4031	Library Technicians	80	90	10	8.2%	50	\$22,402	Postsecondary non-degree award	None	None
25-9031	Instructional Coordinators	60	70	10	12.7%	10	\$44,733	Master's degree	5 years or more	None
25-9041	Teacher Assistants	1,530	1,620	100	6.2%	440	\$18,114	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	100	110	10	8.0%	20	\$21,273	Bachelor's degree	None	None
27-1023	Floral Designers	110	100	-10	-11.2%	30	\$25,086	High school diploma or equivalent	None	Moderate-term on-the-job training
27-1024	Graphic Designers	110	110	0	2.8%	30	\$36,157	Bachelor's degree	None	None
27-2012	Producers and Directors	40	40	0	5.1%	20	\$44,736	Bachelor's degree	Less than 5 years	None
27-2022	Coaches and Scouts	400	460	60	16.3%	180	\$45,238	Bachelor's degree	None	None
27-2023	Umpires, Referees, and Other Sports Officials	30	40	0	5.9%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
27-2041	Music Directors and Composers	120	110	0	-1.7%	30	\$39,655	Bachelor's degree	Less than 5 years	None
27-3011	Radio and Television Announcers	90	90	0	2.2%	20	\$19,850	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	50	50	-10	-11.5%	20	\$23,609	Bachelor's degree	None	None
27-3031	Public Relations Specialists	110	120	10	8.8%	30	\$32,748	Bachelor's degree	None	None
27-3041	Editors	70	60	0	-3.0%	20	\$41,421	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	30	30	0	0.0%	10	\$36,828	Bachelor's degree	Less than 5 years	Short-term on-the-job training
27-3043	Writers and Authors	30	30	0	-3.2%	10	\$29,661	Bachelor's degree	None	Moderate-term on-the-job training
27-4021	Photographers	50	50	0	4.1%	10	\$26,764	High school diploma or equivalent	None	Long-term on-the-job training
29-1011	Chiropractors	50	50	0	3.8%	10	\$63,557	Doctoral or professional degree	None	None
29-1021	Dentists, General	100	110	10	6.7%	30	\$190,646	Doctoral or professional degree	None	None
29-1022	Oral and Maxillofacial Surgeons	40	40	0	7.5%	10	N/A	Doctoral or professional degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	50	50	10	12.5%	10	\$52,952	Bachelor's degree	None	Internship/residency

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29-1041	Optometrists	60	70	10	11.1%	20	\$105,125	Doctoral or professional degree	None	None
29-1051	Pharmacists	230	240	20	7.0%	70	\$111,767	Doctoral or professional degree	None	None
29-1062	Family and General Practitioners	180	190	10	3.8%	50	\$194,751	Doctoral or professional degree	None	Internship/residency
29-1067	Surgeons	30	30	0	7.4%	10	\$192,743	Doctoral or professional degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	200	240	40	22.0%	90	\$194,605	Doctoral or professional degree	None	Internship/residency
29-1071	Physician Assistants	70	80	20	25.4%	30	\$104,543	Master's degree	None	None
29-1122	Occupational Therapists	30	30	0	17.2%	10	\$71,640	Master's degree	None	None
29-1123	Physical Therapists	90	110	20	20.5%	40	\$79,595	Doctoral or professional degree	None	None
29-1126	Respiratory Therapists	70	80	0	6.8%	20	\$49,206	Associate's degree	None	None
29-1127	Speech-Language Pathologists	120	130	10	8.9%	30	\$47,341	Master's degree	None	None
29-1131	Veterinarians	90	100	10	13.2%	40	\$69,922	Doctoral or professional degree	None	None
29-1141	Registered Nurses	1,530	1,640	120	7.6%	410	\$54,415	Associate's degree	None	None
29-1171	Nurse Practitioners	40	60	10	22.2%	20	\$94,060	Master's degree	None	None
29-2011	Medical and Clinical Laboratory Technologists	100	110	0	2.9%	30	\$47,503	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	90	100	20	18.0%	40	\$31,544	Associate's degree	None	None
29-2021	Dental Hygienists	120	140	20	19.1%	50	N/A	Associate's degree	None	None
29-2034	Radiologic Technologists	120	140	10	8.8%	30	\$44,979	Associate's degree	None	None
29-2041	Emergency Medical Technicians and Paramedics	290	330	40	12.8%	120	\$33,656	Postsecondary non-degree award	None	None
29-2051	Dietetic Technicians	50	60	0	5.6%	10	\$21,408	Associate's degree	None	None
29-2052	Pharmacy Technicians	320	360	40	14.0%	80	\$26,562	High school diploma or equivalent	None	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	40	30	0	-5.6%	0	N/A	Postsecondary non-degree award	None	Short-term on-the-job training
29-2055	Surgical Technologists	80	90	10	16.5%	20	\$35,362	Postsecondary non-degree award	None	None
29-2056	Veterinary Technologists and Technicians	120	160	40	33.9%	50	\$28,532	Associate's degree	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	790	880	90	12.0%	290	\$36,453	Postsecondary non-degree award	None	None
29-2071	Medical Records and Health Information Technicians	120	130	10	10.0%	40	\$27,046	Postsecondary non-degree award	None	None
29-2081	Opticians, Dispensing	110	120	10	13.1%	40	\$18,179	High school diploma or equivalent	None	Long-term on-the-job training
29-9011	Occupational Health and Safety Specialists	60	60	0	6.6%	20	\$48,972	Bachelor's degree	None	Short-term on-the-job training
29-9091	Athletic Trainers	80	90	10	10.6%	30	\$38,291	Bachelor's degree	None	None
31-1011	Home Health Aides	600	790	190	31.8%	300	\$18,491	Less than high school	None	Short-term on-the-job training
31-1013	Psychiatric Aides	30	30	0	-3.1%	10	N/A	High school diploma or equivalent	None	Short-term on-the-job training
31-1014	Nursing Assistants	1,480	1,610	130	9.1%	420	\$22,836	Postsecondary non-degree award	None	None
31-1015	Orderlies	70	70	0	4.5%	20	\$21,881	High school diploma or equivalent	None	Short-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
31-2021	Physical Therapist Assistants	50	60	10	27.1%	20	\$52,467	Associate's degree	None	None
31-9011	Massage Therapists	80	90	10	18.4%	20	\$43,819	Postsecondary non-degree av	None	None
31-9091	Dental Assistants	210	230	20	11.5%	70	\$36,846	Postsecondary non-degree av	None	None
31-9092	Medical Assistants	400	440	40	10.2%	120	\$25,398	Postsecondary non-degree av	None	None
31-9094	Medical Transcriptionists	80	70	0	-6.3%	20	\$26,296	Postsecondary non-degree av	None	None
31-9095	Pharmacy Aides	90	100	0	4.3%	20	\$18,293	High school diploma or equiv	None	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	100	110	10	11.8%	30	\$22,339	High school diploma or equiv	None	Short-term on-the-job training
31-9097	Phlebotomists	90	100	10	14.0%	30	\$28,796	Postsecondary non-degree av	None	None
33-1011	First-Line Supervisors of Correctional Officers	30	30	0	-2.9%	10	\$48,502	High school diploma or equiv	Less than 5 years	Moderate-term on-the-job training
33-1012	First-Line Supervisors of Police and Detectives	40	40	0	2.7%	10	\$49,472	High school diploma or equiv	Less than 5 years	Moderate-term on-the-job training
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	80	80	0	6.7%	40	N/A	Postsecondary non-degree av	Less than 5 years	Moderate-term on-the-job training
33-2011	Firefighters	320	330	20	5.4%	100	\$38,571	Postsecondary non-degree av	None	Long-term on-the-job training
33-3012	Correctional Officers and Jailers	380	390	0	0.8%	100	\$29,011	High school diploma or equiv	None	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	70	70	0	-5.4%	20	\$46,753	High school diploma or equiv	Less than 5 years	Moderate-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	620	640	20	3.7%	220	\$38,805	High school diploma or equiv	None	Moderate-term on-the-job training
33-9011	Animal Control Workers	30	30	0	6.5%	10	\$27,851	High school diploma or equiv	None	Moderate-term on-the-job training
33-9031	Gaming Surveillance Officers and Gaming Investigators	130	140	10	6.1%	30	\$23,130	High school diploma or equiv	None	Short-term on-the-job training
33-9032	Security Guards	650	700	50	8.2%	150	\$23,614	High school diploma or equiv	None	Short-term on-the-job training
33-9091	Crossing Guards	70	70	10	12.1%	20	\$31,455	High school diploma or equiv	None	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	100	110	10	6.0%	70	\$17,880	High school diploma or equiv	None	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	30	30	0	-6.9%	20	N/A	High school diploma or equiv	None	Short-term on-the-job training
35-1011	Chefs and Head Cooks	210	230	20	8.7%	50	\$24,042	High school diploma or equiv	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	750	870	120	15.4%	330	\$26,781	High school diploma or equiv	Less than 5 years	None
35-2011	Cooks, Fast Food	660	690	30	4.2%	160	\$17,884	Less than high school	None	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	1,060	1,120	60	5.4%	270	\$18,069	Less than high school	None	Short-term on-the-job training
35-2014	Cooks, Restaurant	870	1,050	180	20.3%	350	\$18,105	Less than high school	Less than 5 years	Moderate-term on-the-job training
35-2015	Cooks, Short Order	180	190	10	3.8%	40	\$18,416	Less than high school	None	Short-term on-the-job training
35-2021	Food Preparation Workers	750	770	30	3.5%	240	\$18,928	Less than high school	None	Short-term on-the-job training
35-3011	Bartenders	270	310	40	14.8%	140	\$18,099	Less than high school	None	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,110	2,520	410	19.4%	1,220	\$18,361	Less than high school	None	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	480	490	10	2.7%	300	\$17,579	Less than high school	None	Short-term on-the-job training
35-3031	Waiters and Waitresses	2,740	3,030	280	10.2%	1,600	\$18,127	Less than high school	None	Short-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
35-3041	Food Servers, Nonrestaurant	110	120	10	8.5%	40	\$17,640	Less than high school	None	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	160	170	20	11.6%	90	\$17,499	Less than high school	None	Short-term on-the-job training
35-9021	Dishwashers	330	360	30	9.8%	180	\$17,764	Less than high school	None	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	220	240	20	10.4%	190	\$17,534	Less than high school	None	None
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	320	350	40	11.0%	110	\$24,052	High school diploma or equivalent	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	120	130	10	8.5%	20	\$46,321	High school diploma or equivalent	Less than 5 years	None
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,110	2,290	180	8.3%	570	\$19,496	Less than high school	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	910	1,020	110	11.8%	290	\$17,925	Less than high school	None	Short-term on-the-job training
37-2021	Pest Control Workers	60	70	10	19.7%	30	\$20,823	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	1,180	1,270	90	8.0%	390	\$21,074	Less than high school	None	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	30	30	0	0.0%	10	\$40,113	High school diploma or equivalent	None	Moderate-term on-the-job training
39-1011	Gaming Supervisors	130	130	10	4.7%	30	\$31,878	High school diploma or equivalent	Less than 5 years	None
39-1012	Slot Supervisors	130	140	10	6.2%	30	\$23,510	High school diploma or equivalent	Less than 5 years	None
39-1021	First-Line Supervisors of Personal Service Workers	70	70	0	5.7%	20	\$27,486	High school diploma or equivalent	Less than 5 years	None
39-2021	Nonfarm Animal Caretakers	210	220	10	4.3%	30	\$20,219	Less than high school	None	Short-term on-the-job training
39-3011	Gaming Dealers	160	180	10	6.1%	40	\$29,456	High school diploma or equivalent	None	Short-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	40	50	0	2.2%	10	N/A	High school diploma or equivalent	None	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	50	40	-10	-14.9%	20	N/A	Less than high school	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	70	70	0	5.9%	40	\$18,538	Less than high school	None	Short-term on-the-job training
39-4021	Funeral Attendants	50	50	0	-2.0%	10	\$19,938	High school diploma or equivalent	None	Short-term on-the-job training
39-4031	Morticians, Undertakers, and Funeral Directors	40	40	0	5.3%	10	N/A	Associate's degree	None	Long-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	350	370	20	7.2%	110	\$22,356	Postsecondary non-degree award	None	None
39-9011	Childcare Workers	550	600	60	10.6%	220	\$17,678	High school diploma or equivalent	None	Short-term on-the-job training
39-9021	Personal Care Aides	300	400	100	31.8%	120	\$17,782	Less than high school	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	200	210	10	5.6%	30	N/A	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	110	120	10	8.0%	20	\$22,366	Bachelor's degree	None	None
39-9041	Residential Advisors	130	140	10	10.8%	70	\$22,346	High school diploma or equivalent	None	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	70	70	10	10.4%	30	N/A	High school diploma or equivalent	None	Short-term on-the-job training
41-1011	First-Line Supervisors of Retail Sales Workers	1,940	1,940	0	0.1%	420	\$33,775	High school diploma or equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	170	160	0	-2.4%	20	\$52,365	High school diploma or equivalent	Less than 5 years	None
41-2011	Cashiers	4,040	3,970	-60	-1.6%	1,750	\$18,304	Less than high school	None	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	150	160	10	6.7%	80	\$21,521	High school diploma or equivalent	None	Short-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
41-2021	Counter and Rental Clerks	240	260	30	11.8%	90	\$19,965	Less than high school	None	Short-term on-the-job training
41-2022	Parts Salespersons	330	340	10	3.3%	100	\$29,649	Less than high school	None	Moderate-term on-the-job training
41-2031	Retail Salespersons	3,530	3,710	180	5.0%	1,390	\$19,390	Less than high school	None	Short-term on-the-job training
41-3011	Advertising Sales Agents	100	100	0	-2.0%	30	\$28,921	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	350	360	10	2.3%	90	\$36,598	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	90	100	10	8.5%	30	\$68,565	Bachelor's degree	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	270	290	20	6.9%	90	\$36,463	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	440	490	40	9.9%	130	\$42,275	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	950	1,020	70	7.1%	250	\$50,275	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9021	Real Estate Brokers	100	110	10	13.4%	20	\$37,373	High school diploma or equivalent	Less than 5 years	None
41-9022	Real Estate Sales Agents	210	240	30	13.0%	50	\$19,927	High school diploma or equivalent	None	Long-term on-the-job training
41-9031	Sales Engineers	30	30	0	0.0%	0	\$83,912	Bachelor's degree	None	Moderate-term on-the-job training
41-9041	Telemarketers	40	40	0	4.8%	10	N/A	Less than high school	None	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	120	140	20	13.6%	40	\$22,874	High school diploma or equivalent	None	None
43-1011	First-Line Supervisors of Office and Administrative Support Workers	1,200	1,290	90	7.4%	370	\$38,444	High school diploma or equivalent	Less than 5 years	None
43-2011	Switchboard Operators, Including Answering Service	130	100	-20	-18.1%	20	\$21,739	High school diploma or equivalent	None	Short-term on-the-job training
43-3011	Bill and Account Collectors	150	180	20	15.6%	70	\$29,043	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing and Posting Clerks	390	430	40	10.9%	110	\$28,338	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,030	3,300	270	8.8%	550	\$28,544	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	100	110	10	6.7%	30	\$24,009	High school diploma or equivalent	None	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	280	310	30	12.0%	90	\$34,091	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3061	Procurement Clerks	80	80	10	7.8%	30	\$29,350	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3071	Tellers	810	750	-50	-6.7%	380	\$24,424	High school diploma or equivalent	None	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	110	120	10	10.8%	30	\$28,644	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	1,100	1,220	130	11.6%	430	\$23,504	High school diploma or equivalent	None	Short-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	30	30	0	3.7%	10	\$43,404	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4071	File Clerks	80	70	-10	-9.2%	20	\$21,661	High school diploma or equivalent	None	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	240	290	50	19.3%	160	\$18,750	High school diploma or equivalent	None	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	50	50	0	-3.9%	10	\$29,767	High school diploma or equivalent	None	Short-term on-the-job training
43-4121	Library Assistants, Clerical	90	100	10	11.7%	50	\$20,539	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	250	250	0	-0.4%	20	\$30,257	High school diploma or equivalent	None	Short-term on-the-job training
43-4141	New Accounts Clerks	150	130	-20	-13.4%	40	\$31,821	High school diploma or equivalent	None	Moderate-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
43-4151	Order Clerks	80	80	-10	-7.4%	20	\$26,118	High school diploma or equivalent	None	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	100	100	0	-3.1%	20	\$27,740	High school diploma or equivalent	None	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	530	560	20	4.5%	170	\$23,792	High school diploma or equivalent	None	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	50	40	-10	-16.3%	10	\$38,777	High school diploma or equivalent	None	Short-term on-the-job training
43-5021	Couriers and Messengers	110	100	-20	-15.8%	20	\$29,906	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	200	210	10	4.5%	70	\$28,950	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	170	200	20	14.0%	70	\$37,001	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	70	60	-10	-17.1%	20	\$29,400	High school diploma or equivalent	None	Short-term on-the-job training
43-5051	Postal Service Clerks	70	50	-20	-33.3%	10	\$31,746	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	400	280	-120	-30.0%	140	\$50,622	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	70	50	-20	-31.9%	0	\$35,655	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	150	160	10	4.0%	40	\$46,331	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	360	370	0	0.3%	100	\$27,567	High school diploma or equivalent	None	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	1,180	1,110	-60	-5.3%	360	\$19,316	Less than high school	None	Short-term on-the-job training
43-6011	Executive Secretaries and Executive Administrative Assistants	680	640	-40	-5.2%	80	\$39,582	High school diploma or equivalent	Less than 5 years	None
43-6012	Legal Secretaries	170	160	0	-1.8%	20	\$33,072	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	310	370	70	22.2%	100	\$26,687	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	2,710	2,930	220	8.2%	550	\$27,569	High school diploma or equivalent	None	Short-term on-the-job training
43-9011	Computer Operators	30	30	0	-6.9%	0	\$31,618	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9021	Data Entry Keyers	140	100	-40	-25.9%	20	\$28,126	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	100	100	0	-1.0%	30	\$25,160	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	50	40	0	-8.5%	10	\$19,067	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	3,120	3,190	70	2.2%	720	\$23,715	High school diploma or equivalent	None	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	100	80	-20	-15.3%	20	\$25,188	High school diploma or equivalent	None	Short-term on-the-job training
43-9199	Office and Administrative Support Workers, All Other	30	30	0	-3.4%	10	\$28,390	High school diploma or equivalent	None	Short-term on-the-job training
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	210	210	-10	-3.3%	40	\$71,629	High school diploma or equivalent	Less than 5 years	None
45-2011	Agricultural Inspectors	510	500	-10	-1.6%	150	\$41,495	Bachelor's degree	None	Moderate-term on-the-job training
45-2021	Animal Breeders	740	530	-200	-27.4%	220	N/A	High school diploma or equivalent	Less than 5 years	Short-term on-the-job training
45-2041	Graders and Sorters, Agricultural Products	510	480	-30	-6.0%	90	\$26,138	Less than high school	None	Short-term on-the-job training
45-2091	Agricultural Equipment Operators	50	50	0	-3.8%	20	\$32,942	Less than high school	None	Short-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	480	460	-20	-5.0%	140	\$21,123	Less than high school	None	Short-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	470	500	30	5.7%	170	\$24,712	Less than high school	None	Short-term on-the-job training

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		2012	2022	Numeric	Percent					
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	940	1,080	150	15.7%	250	\$52,183	High school diploma or equivalent	5 years or more	None
47-2021	Brickmasons and Blockmasons	40	50	10	27.8%	10	N/A	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	620	740	120	19.3%	200	\$36,129	High school diploma or equivalent	None	Apprenticeship
47-2041	Carpet Installers	70	70	0	2.8%	20	\$32,634	Less than high school	None	Short-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	310	380	70	22.7%	110	\$23,740	Less than high school	None	Moderate-term on-the-job training
47-2061	Construction Laborers	1,950	2,280	330	16.8%	740	\$28,015	Less than high school	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	180	180	0	-1.6%	30	\$31,916	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	710	780	70	10.3%	230	\$36,577	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	360	410	40	12.4%	110	\$46,270	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	30	40	0	12.1%	10	\$34,291	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	160	190	20	14.7%	50	\$27,613	Less than high school	None	Moderate-term on-the-job training
47-2151	Pipelayers	50	60	10	21.2%	20	\$40,383	Less than high school	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	930	1,080	150	16.0%	260	\$34,772	High school diploma or equivalent	None	Apprenticeship
47-2181	Roofers	70	70	0	5.9%	20	\$37,185	Less than high school	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	60	80	10	15.4%	20	\$26,586	High school diploma or equivalent	None	Apprenticeship
47-3012	Helpers--Carpenters	60	70	10	24.1%	20	\$25,145	Less than high school	None	Short-term on-the-job training
47-3013	Helpers--Electricians	160	210	50	30.4%	70	\$27,313	High school diploma or equivalent	None	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	60	70	10	16.4%	20	\$22,996	High school diploma or equivalent	None	Short-term on-the-job training
47-4011	Construction and Building Inspectors	70	80	10	13.4%	20	N/A	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4031	Fence Erectors	60	80	20	25.8%	30	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	30	40	0	15.6%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	340	360	20	6.8%	70	\$33,330	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	50	60	10	18.4%	20	\$36,539	Less than high school	None	Moderate-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	650	740	100	15.3%	360	\$37,618	Less than high school	None	Short-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	560	640	80	15.3%	310	\$53,503	Less than high school	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	710	840	130	18.1%	420	\$43,278	Less than high school	None	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	140	150	10	7.7%	50	\$39,954	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	1,320	1,530	210	15.8%	560	\$34,153	Less than high school	None	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	230	260	30	12.0%	90	\$27,738	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5099	Extraction Workers, All Other	50	60	0	9.6%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	500	530	30	5.6%	160	\$56,770	High school diploma or equivalent	Less than 5 years	None
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	30	30	0	6.9%	10	\$47,521	Associate's degree	None	Moderate-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	160	170	0	3.0%	30	\$45,086	Postsecondary non-degree av	None	Moderate-term on-the-job training
49-2092	Electric Motor, Power Tool, and Related Repairers	20	20	0	-12.0%	0	\$32,305	Postsecondary non-degree av	None	Long-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	70	70	0	4.3%	20	\$64,916	Postsecondary non-degree av	None	Long-term on-the-job training
49-2098	Security and Fire Alarm Systems Installers	60	70	10	11.5%	20	\$38,016	High school diploma or equiv	None	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	170	170	0	-0.6%	50	\$50,936	Postsecondary non-degree av	None	None
49-3021	Automotive Body and Related Repairers	220	240	20	9.9%	60	\$41,253	High school diploma or equiv	None	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	810	850	40	4.3%	240	\$34,196	High school diploma or equiv	None	Long-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	390	430	40	10.7%	120	\$38,888	High school diploma or equiv	None	Long-term on-the-job training
49-3041	Farm Equipment Mechanics and Service Technicians	160	170	10	3.7%	50	\$31,748	High school diploma or equiv	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	260	280	20	6.1%	90	\$40,812	High school diploma or equiv	None	Long-term on-the-job training
49-3052	Motorcycle Mechanics	30	30	0	0.0%	10	\$26,384	High school diploma or equiv	None	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	30	30	0	0.0%	10	\$35,178	High school diploma or equiv	None	Moderate-term on-the-job training
49-3093	Tire Repairers and Changers	150	150	0	1.4%	50	\$22,152	High school diploma or equiv	None	Short-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	70	70	0	4.3%	30	\$49,930	High school diploma or equiv	None	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	380	460	80	20.0%	180	\$39,218	Postsecondary non-degree av	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	30	30	0	-3.4%	10	N/A	High school diploma or equiv	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	670	830	160	23.0%	350	\$60,092	High school diploma or equiv	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	110	140	20	22.5%	40	\$34,852	High school diploma or equiv	None	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	280	340	50	19.1%	150	\$49,751	High school diploma or equiv	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	70	70	0	-2.7%	20	\$49,153	High school diploma or equiv	None	Long-term on-the-job training
49-9062	Medical Equipment Repairers	30	40	0	11.8%	10	\$30,440	Associate's degree	None	Moderate-term on-the-job training
49-9071	Maintenance and Repair Workers, General	1,180	1,310	130	10.8%	350	\$31,354	High school diploma or equiv	None	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	80	70	0	-3.9%	10	\$19,383	High school diploma or equiv	None	Short-term on-the-job training
49-9096	Riggers	30	40	10	50.0%	20	\$41,256	High school diploma or equiv	None	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	240	270	30	12.0%	100	\$27,179	High school diploma or equiv	None	Moderate-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	220	230	0	1.3%	40	\$33,312	High school diploma or equiv	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating Workers	660	700	30	5.0%	130	\$55,361	Postsecondary non-degree av	Less than 5 years	None
51-2022	Electrical and Electronic Equipment Assemblers	80	70	0	-6.6%	10	\$31,505	High school diploma or equiv	None	Short-term on-the-job training
51-2031	Engine and Other Machine Assemblers	80	80	0	2.5%	20	N/A	High school diploma or equiv	None	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	330	370	40	11.8%	170	\$32,281	High school diploma or equiv	None	Moderate-term on-the-job training
51-2092	Team Assemblers	940	1,020	80	8.9%	230	\$28,692	High school diploma or equiv	None	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	60	60	0	7.1%	10	\$24,527	High school diploma or equiv	None	Moderate-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
51-3011	Bakers	200	210	10	4.9%	60	\$22,029	Less than high school	None	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	260	260	0	1.2%	70	\$24,530	Less than high school	None	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	290	320	30	9.9%	100	\$26,785	Less than high school	None	Short-term on-the-job training
51-3023	Slaughtering and Meat Packers	40	40	0	-2.3%	10	\$21,658	Less than high school	None	Short-term on-the-job training
51-3092	Food Batchmakers	60	60	0	1.6%	20	\$24,506	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	40	60	10	22.2%	20	\$29,025	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	30	20	0	-7.7%	0	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	120	120	0	-2.4%	10	\$29,260	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30	20	0	-3.8%	0	\$36,485	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30	30	0	-10.0%	10	\$31,201	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	410	460	50	12.9%	150	\$33,685	High school diploma or equivalent	None	Long-term on-the-job training
51-4071	Foundry Mold and Coremakers	90	80	-10	-11.2%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	1,190	1,290	100	8.6%	390	\$34,325	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	30	40	10	20.0%	10	\$42,566	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	50	50	0	3.8%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5112	Printing Press Operators	110	100	-10	-5.6%	20	\$24,247	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	190	200	10	7.4%	70	\$19,080	Less than high school	None	Short-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	100	90	-10	-12.5%	10	\$19,280	Less than high school	None	Short-term on-the-job training
51-6031	Sewing Machine Operators	40	30	-10	-22.5%	0	N/A	Less than high school	None	Short-term on-the-job training
51-8013	Power Plant Operators	40	50	0	4.5%	20	\$50,340	High school diploma or equivalent	None	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	30	30	0	7.4%	10	N/A	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Wastewater Treatment Plant and System Operators	200	230	20	10.2%	90	\$33,298	High school diploma or equivalent	None	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	210	200	-10	-6.7%	80	\$60,591	High school diploma or equivalent	None	Long-term on-the-job training
51-8092	Gas Plant Operators	120	130	10	11.9%	60	\$64,525	High school diploma or equivalent	None	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	370	410	40	11.1%	180	\$55,289	High school diploma or equivalent	None	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	60	60	0	-3.2%	20	\$42,214	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	150	150	0	-0.7%	40	\$30,249	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	80	90	10	7.1%	30	\$30,652	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	40	40	0	-4.5%	10	N/A	High school diploma or equivalent	None	Short-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	30	30	0	0.0%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	520	600	80	16.2%	200	\$37,211	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	80	80	0	-2.5%	20	\$23,002	High school diploma or equivalent	None	Moderate-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2012-2022		Total Openings	Northwest WIA Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2012	2022	Numeric	Percent					
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	80	90	10	7.1%	20	\$28,542	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	80	90	10	15.6%	30	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	50	50	0	-4.2%	10	\$19,833	High school diploma or equivalent	None	Short-term on-the-job training
51-9198	Helpers--Production Workers	350	360	10	3.4%	70	\$33,344	Less than high school	None	Short-term on-the-job training
51-9199	Production Workers, All Other	50	60	10	11.3%	20	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	140	150	10	8.6%	50	\$50,901	High school diploma or equivalent	Less than 5 years	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle O	180	210	20	11.9%	70	\$56,685	High school diploma or equivalent	Less than 5 years	None
53-2011	Airline Pilots, Copilots, and Flight Engineers	80	70	-10	-16.5%	20	N/A	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training
53-2012	Commercial Pilots	180	180	0	-1.6%	50	\$46,959	High school diploma or equivalent	None	Moderate-term on-the-job training
53-2022	Airfield Operations Specialists	30	40	0	16.1%	20	N/A	High school diploma or equivalent	None	Long-term on-the-job training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20	30	0	16.0%	10	N/A	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	40	40	0	7.9%	10	\$17,652	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3022	Bus Drivers, School or Special Client	600	570	-30	-4.7%	110	\$18,545	High school diploma or equivalent	None	Short-term on-the-job training
53-3031	Driver/Sales Workers	550	600	60	10.6%	140	\$20,586	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	3,710	4,140	440	11.8%	1,030	\$40,931	Postsecondary non-degree av	None	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	540	570	20	4.4%	110	\$30,913	High school diploma or equivalent	None	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	80	90	10	15.4%	20	\$21,679	Less than high school	None	Short-term on-the-job training
53-6031	Automotive and Watercraft Service Attendants	90	100	0	5.6%	30	\$21,526	Less than high school	None	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	100	110	10	6.8%	40	\$27,160	Less than high school	None	Short-term on-the-job training
53-7021	Crane and Tower Operators	90	110	20	17.4%	50	\$57,578	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	80	90	10	15.0%	20	\$43,201	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	320	300	-20	-5.7%	70	\$29,861	Less than high school	None	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	370	400	30	8.9%	140	\$21,001	Less than high school	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	2,430	2,590	160	6.6%	910	\$22,138	Less than high school	None	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	150	140	-10	-6.7%	30	\$28,095	Less than high school	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	310	330	20	5.1%	100	\$19,669	Less than high school	None	Short-term on-the-job training
53-7071	Gas Compressor and Gas Pumping Station Operators	100	110	10	9.0%	40	\$52,148	Less than high school	None	Moderate-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pumpers	90	100	10	9.8%	40	\$44,185	Less than high school	None	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	90	110	10	12.8%	40	\$48,016	Less than high school	Less than 5 years	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	130	140	10	7.6%	40	\$23,276	Less than high school	None	Short-term on-the-job training

Notes:

Northwest WIA Median Annual Wage data is from the 2014 Northwest WIA Occupational Employment Statistics (OES).