Northwest Regional In-Demand Occupations Report

October 2017

Ref. # Ext. SC	OC In-Demand Occupation - 236	Northwest Region									•				Northwest Regional Percentage Share of Statewide Numbers									
Kei. # LAC. 3C	n-peniana occupation - 230	Family	Typical Education Required for Entry		Regional	North		lumber of	Nu	ımber of	Statewide	Statewide		Statewide Statewide 4-	No. of	Statewide	No. of	Total An	nual				unibers	Number of
				-	Growth 2014 F Openings Emplo		Regional OMJ E			nployers orecast)	Annual Openings	Annual Growth Openings	2014 Statewide Employment	Year OMJ Trend Data	Employer s (OMJ)	Forecast Data	Employers Forecasted	Annual Gro		114 Statewide Of Employment	MJ 4-Year Trend Data		Forecast Data	Employers Forecasted
1 13-2011	.00 Accountants and Auditors	Business and Financial Operations Occupations	Bachelor's degree	124		600	490	30	33	3	1,438	336	41,300	16,236	668	1,312	18	8.62% 8.		8.72%	3.02%	4.49%	2.52%	16.67%
2 15-2011 3 11-3011		Computer and Mathematical Occupations	Bachelor's degree	0	0	30	0	0	17	2	45 276	15 72	1,010 10,930	961 286	32 102	17	2		00%	0.00% 7.59%	0.00%	0.00%	100.00%	100.00%
4 17-2011		Management Occupations Architecture and Engineering Occupations	Bachelor's degree Bachelor's degree	0	-	0	3	3	0	0	129	0	4,510	1,997	71	321	3		56% 00%	0.00%	0.35%	0.98% 4.23%	0.00%	0.00%
5 49-3011		Installation, Maintenance, and Repair Occupations	Certificate/Some college	5	-	10	8	2	0	0	98	22	3,210	161	33	410	4		00%	6.54%	4.97%	6.06%	0.00%	0.00%
6 11-9041 7 51-2099		Management Occupations Production Occupations	Bachelor's degree High school diploma or equivalent	21 63		50 620	33 20	4	102	2	226 524	14 55	6,900 21,840	1,807 230	226 63	6 252	5	9.29% 7. 12.02% 12	14% .73%	9.42% 12.00%	1.83% 8.70%	3.98% 6.35%	16.67% 40.48%	50.00% 40.00%
8 27-4011	.00 Audio and Video Equipment Technicians	Arts, Design, Entertainment, Sports, and Media Occupations	Certificate/Some college	0		0	4	2	0	0	41	14	1,410	91	39	3	1		00%	0.00%	4.40%	5.13%	0.00%	0.00%
9 49-3021 10 49-3023		Installation, Maintenance, and Repair Occupations Installation, Maintenance, and Repair Occupations	High school diploma or equivalent Certificate/Some college	24 101	7 7 16 3.	160	6 28	2	0	0	210 857	58 126	6,630 27,290	43 2,782	19 89	10 88	1 2	11.43% 12 11.79% 12		11.16% 11.58%	13.95% 1.01%	10.53% 4.49%	0.00%	0.00%
11 53-6051		Transportation and Material Moving Occupations	High school diploma or equivalent	0	,	0	0	0	0	0	21	1	770	82	11	40	2		00%	0.00%	0.00%	0.00%	0.00%	0.00%
12 49-2091		Installation, Maintenance, and Repair Occupations	Associate's degree	0		0	0	0	0	0	10 404	2	450	39	13	60	1		00%	0.00%	0.00%	0.00%	0.00%	0.00%
13 43-3011 14 43-3021		Office and Administrative Support Occupations Office and Administrative Support Occupations	High school diploma or equivalent High school diploma or equivalent	77	33 2,	90 120	182	9	6	1	817	304	16,540 24,540	2,775 1,541	205 144	1,643 6	1	5.45% 0.0 9.42% 10	.86%	5.38% 8.64%	6.77% 11.81%	4.39% 6.25%	0.00% 100.00%	0.00% 100.00%
15 11-9041	.01 Biofuels/Biodiesel Technology & Product Development Managers*	Management Occupations	Bachelor's degree	21		50	33	9	1	1	226	14	6,900	1,807	226	1	1		14%	9.42%	1.83%	3.98%	100.00%	100.00%
16 19-4021 17 17-2031	, and the second	Life, Physical, and Social Science Occupations Architecture and Engineering Occupations	Bachelor's degree Bachelor's degree	0	0	0	10	1	6	0	117 25	30 8	3,120 640	1,404 163	76 35	3 54	4		00%	0.00%	0.71% 0.61%	2.63%	0.00% 11.11%	0.00% 50.00%
18 43-3031	-	Office and Administrative Support Occupations	Certificate/Some college	62	0 6,	340	131	27	5	1	640	0	65,250	3,809	550	206	7	9.69% 0.		9.72%	3.44%	4.91%	2.43%	14.29%
19 49-3031		Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	0	0	0 420	24	7	16	0	325 282	118 106	12,040	3,078	148 40	124 25	7		00%	0.00%	0.78%	4.73%	12.90%	57.14%
20 53-3022 21 15-1199		Transportation and Material Moving Occupations Computer and Mathematical Occupations	High school diploma or equivalent Bachelor's degree	22		40	168	22	0	0	103	6	13,420 7,520	325 33,233	436	156	2		83% 00%	10.58%	0.31%	2.50% 5.05%	0.00%	0.00%
22 13-1199	.00 Business Operations Specialists, All Other	Business and Financial Operations Occupations	Bachelor's degree	20	0 1,	680	83	11	0	0	374	67	25,760	5,151	311	6	1	5.35% 0.	00%	6.52%	1.61%	3.54%	0.00%	0.00%
23 47-2031 24 47-2051		Construction and Extraction Occupations Construction and Extraction Occupations	High school diploma or equivalent Less Than High School	68 11		090 60	20	0	107 42	3	623 91	287 35	29,210 4,640	130 16	43 6	676 144	15 5	10.91% 11 12.09% 11	.15%	10.58% 12.07%	15.38% 0.00%	9.30% 0.00%	15.83% 29.17%	26.67% 60.00%
25 17-2041		Architecture and Engineering Occupations	Bachelor's degree	0	0	0	20	6	5	2	40	4	1,310	447	67	44	10		00%	0.00%	4.47%	8.96%	11.36%	20.00%
26 51-9011	.00 Chemical Equipment Operators/Tenders	Production Occupations	High school diploma or equivalent	12		90	0	0	0	0	94	0	3,000	2	2	19	1	12.77% 0.		13.00%	0.00%	0.00%	0.00%	0.00%
27 51-8091 28 19-2031		Production Occupations Life, Physical, and Social Science Occupations	High school diploma or equivalent Bachelor's degree	7		90 20	3 15	5	15 0	0	70 85	0 4	1,850 3,680	144 760	29 84	33 58	4	10.00% 0.0 10.59% 50		10.27% 8.70%	2.08% 1.97%	6.90% 5.95%	45.45% 0.00%	33.33% 0.00%
29 21-1021	.00 Child, Family, and School Social Workers	Community and Social Service Occupations	Bachelor's degree	26	5 8	60	5	4	3	1	334	71	10,920	371	65	69	3	7.78% 7.	04%	7.88%	1.35%	6.15%	4.35%	33.33%
30 17-2051		Architecture and Engineering Occupations	Bachelor's degree	23		40	44	8	8	2	286	63	7,550	488	95	33	5		35%	8.48%	9.02%	8.42%	24.24%	40.00%
31 13-1031 32 19-3031		Business and Financial Operations Occupations Life, Physical, and Social Science Occupations	High school diploma or equivalent Doctoral or professional degree	13		30 70	29	2	43 12	2	312 189	94	12,150 4,450	2,495 263	88 30	1,581 23	3		00% 45%	1.89% 6.07%	0.24% 11.03%	2.27% 6.67%	2.72% 52.17%	50.00% 66.67%
33 53-2012	.00 Commercial Pilots	Transportation and Material Moving Occupations	High school diploma or equivalent	0	0	0	0	0	0	0	144	65	3,260	50	21	12	1	0.00% 0.	00%	0.00%	0.00%	0.00%	0.00%	0.00%
34 13-1041		Business and Financial Operations Occupations	Bachelor's degree	10	3 5	10	28	5	0	0	120	28	6,570 230	872 503	160 55	2	1	8.33% 10		7.76%	3.21%	3.13%	0.00%	0.00%
35 15-1111 36 11-3021		Computer and Mathematical Occupations Management Occupations	Doctoral or professional degree Bachelor's degree	14	8 5	40	77	13	0	0	359	213	12,410	7,000	316	4	2	0.00% 0.0 3.90% 3.0	76%	0.00% 4.35%	0.20% 1.10%	1.82% 4.11%	15.38% 0.00%	33.33% 0.00%
37 17-2061	.00 Computer Hardware Engineers	Architecture and Engineering Occupations	Bachelor's degree	0	0	0	0	0	2	1	19	3	760	554	64	11	2		00%	0.00%	0.00%	0.00%	18.18%	50.00%
38 15-1143 39 15-1152		Computer and Mathematical Occupations	Bachelor's degree	2 11	-	20	15	6	0	0	96 148	27 49	5,390 7,710	1,503 184	156 52	0	0	7.420/ 6	12%	8.04%	3.80%	1.92%	0.00%	0.00%
39 15-1152 40 51-4012		Computer and Mathematical Occupations Production Occupations	Associate's degree High school diploma or equivalent	10		80	1	1	0	0	67	25	1,380	110	41	31	2	7.43% 6. 14.93% 16		13.04%	0.91%	2.44%	0.00%	0.00%
41 15-1131	· · · · ·	Computer and Mathematical Occupations	Bachelor's degree	11		40	38	15	25	3	184	0	7,490	5,370	312	358	9		00%	5.87%	0.71%	4.81%	6.98%	33.33%
42 15-1121 43 15-1199		Computer and Mathematical Occupations Computer and Mathematical Occupations	Bachelor's degree Bachelor's degree	22		80 40	231 168	24	0	0	978 103	599	29,440 7,520	27,229 33,233	447 436	571 61	6		17% 00%	2.31% 1.86%	0.85% 0.51%	5.37% 5.05%	0.00%	0.00%
44 15-1151		Computer and Mathematical Occupations	Certificate/Some college	16		50	266	32	12	1	459	225	18,150	15,091	622	36	7		78%	5.23%	1.76%	5.14%	33.33%	14.29%
45 51-4011	·	Production Occupations	High school diploma or equivalent	75		520	23	5	0	0	608	230	12,430	715	134	173	4	12.34% 12		12.23%	3.22%	3.73%	0.00%	0.00%
46 47-2061 47 11-9021		Construction and Extraction Occupations Management Occupations	Less Than High School Bachelor's degree	125 20		910 120	94	6	50 11	1	1,129 271	411 73	35,980 14,170	346 810	61 122	998 258	11		.44% 48%	10.87% 7.90%	27.17% 1.11%	6.56% 4.92%	5.01% 4.26%	14.29% 9.09%
48 13-1051		Business and Financial Operations Occupations	Bachelor's degree	37		000	41	6	2	1	384	93	10,230	364	91	33	6		68%	9.78%	11.26%	6.59%	6.06%	16.67%
49 13-2041 50 43-4051	·	Business and Financial Operations Occupations	Bachelor's degree	6 197		20	11	4	70	0	163 2,474	17 489	3,360 80,620	1,348	96 573	6	3 32		88%	3.57% 8.09%	0.82%	4.17%	0.00%	0.00% 9.38%
51 51-4031	·	Office and Administrative Support Occupations Production Occupations	High school diploma or equivalent High school diploma or equivalent	30		520 410	1,026 8	19 5	15	1	2,474	0	17,350	21,961 180	57	7,848 76	4	7.96% 7. 13.64% 0.	57% 00%	13.89%	4.67% 4.44%	3.32% 8.77%	19.74%	25.00%
52 15-1199	.07 Data Warehousing Specialists*	Computer and Mathematical Occupations	Bachelor's degree	2	0 1	40	168	22	7	1	103	6	7,520	33,233	436	7	1		00%	1.86%	0.51%	5.05%	100.00%	100.00%
53 15-1141 54 31-9091		Computer and Mathematical Occupations Healthcare Support Occupations	Bachelor's degree Certificate/Some college	6 34		90	0	0	0	0	152 409	52 167	4,620 9,800	3,483 333	209 18	1	1	3.95% 3. 8.31% 8.	85%	4.55% 8.06%	0.57%	5.26% 0.00%	0.00%	0.00%
55 29-2021		Healthcare Practitioners and Technical Occupations	Associate's degree	29		80	0	0	0	0	259	132	7,700	145	14	2	1	11.20% 11		11.43%	0.00%	0.00%	0.00%	0.00%
56 29-1021		Healthcare Practitioners and Technical Occupations	Doctoral or professional degree	19		50	0	0	0	0	164	72	4,480	150	6	1	1	11.59% 11		12.28%	0.00%	0.00%	0.00%	0.00%
57 29-2032 58 43-5032		Healthcare Practitioners and Technical Occupations Office and Administrative Support Occupations	Associate's degree High school diploma or equivalent	11 20		00	14 33	4	3	1	88 233	40 38	2,520 7,810	1,648 471	57 89	15 62	3	12.50% 15 8.58% 7.	.00% 89%	10.32% 8.96%	0.85% 7.01%	3.51% 4.49%	0.00% 4.84%	0.00% 33.33%
59 17-3023	.00 Electrical and Electronic Engineering Technicians	Architecture and Engineering Occupations	Associate's degree	11	0 4	30	42	7	15	1	89	0	3,620	1,325	198	15	1	12.36% 0.	00%	11.88%	3.17%	3.54%	100.00%	100.00%
60 51-2022		Production Occupations	High school diploma or equivalent	9		20	26	7	0	0	102	0	8,250	449	79 1	20 185	2		00%	8.73%	5.79%	8.86%	0.00%	0.00%
61 49-2093 62 49-2094		Installation, Maintenance, and Repair Occupations Installation, Maintenance, and Repair Occupations	Certificate/Some college Certificate/Some college	0 4		60	12	6	0	0	9 46	6	430 2,290	180	65	185 60	6	0.00% 0.0 8.70% 0.0	00%	0.00% 11.35%	0.00% 6.67%	0.00% 9.23%	0.00%	0.00%
63 49-2095	.00 Electrical/Electronics Repair, Pwrhse/Substa/Rly	Installation, Maintenance, and Repair Occupations	Certificate/Some college	0		0	0	0	0	0	12	0	690	3	2	35	1	0.00% 0.	00%	0.00%	0.00%	0.00%	0.00%	0.00%
64 17-3023 65 17-3029		Architecture and Engineering Occupations Architecture and Engineering Occupations	Associate's degree Associate's degree	11 7		30 70	42	7	5	0	89 89	0 2	3,620 3,560	1,325 177	198 56	27 18	2	12.36% 0.0 7.87% 0.0		11.88% 7.58%	3.17% 1.69%	3.54% 3.57%	18.52% 0.00%	50.00% 0.00%
66 17-2071		Architecture and Engineering Occupations Architecture and Engineering Occupations	Associate s degree Bachelor's degree	0		0	61	11	28	5	119	7	5,070	3,761	239	653	19	0.00% 0.		0.00%	1.62%	4.60%	4.29%	26.32%
67 49-9051	.00 Electrical Power-Line Installers and Repairers	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	12		10	0	0	15	1	184	18	4,180	310	8	192	3	6.52% 0.0		7.42%	0.00%	0.00%	7.81%	33.33%
68 47-2111 69 17-3024		Construction and Extraction Occupations Architecture and Engineering Occupations	High school diploma or equivalent Associate's degree	60 0		620 0	49 10	10 4	140 0	10 0	628 15	270 0	23,460 600	700 90	121 36	584 45	16 3	9.55% 7. 0.00% 0.		11.17%	7.00% 11.11%	8.26% 11.11%	23.97% 0.00%	62.50% 0.00%
70 17-3023		Architecture and Engineering Occupations Architecture and Engineering Occupations	Associate's degree	11		30	42	7	7	1	89	0	3,620	1,325	198	63	4	12.36% 0.		11.88%	3.17%	3.54%	11.11%	25.00%
71 17-2072		Architecture and Engineering Occupations	Bachelor's degree	6		70	9	4	3	1	83	0	3,750	785	115	48	2	7.23% 0.0		7.20%	1.15%	3.48%	6.25%	50.00%
72 29-2041 73 51-2031		Healthcare Practitioners and Technical Occupations Production Occupations	Certificate/Some college High school diploma or equivalent	30 27		80 330	12	1	0	0	395 79	231 0	10,020 3,950	1,818 6	45 5	0 10	0	7.59% 6.0 34.18% 0.0		9.78% 33.67%	0.66% 16.67%	2.22%	0.00%	0.00%
74 13-1041	.01 Environmental Compliance Inspectors*	Business and Financial Operations Occupations	Bachelor's degree	10		10	28	5	0	0	120	28	6,570	872	160	1	1	8.33% 10	.71%	7.76%	3.21%	3.13%	0.00%	0.00%
75 17-2081 76 43-6011		Architecture and Engineering Occupations	Bachelor's degree	0 24	0 2.	0 280	19 107	7 27	0	0	40 301	12 0	990 28,560	444 6.835	93 541	0	0	0.00% 0. 7.97% 0.	00%	0.00%	4.28%	7.53%	100.00% 0.00%	100.00% 0.00%
76 43-6011 77 51-9041		Office and Administrative Support Occupations Production Occupations	High school diploma or equivalent High school diploma or equivalent	28		80	4	3	0	0	201	0	28,560 5,620	6,835 19	12	57	3	7.97% 0.1 13.93% 0.1		7.98% 13.88%	1.57% 21.05%	4.99% 25.00%	0.00%	0.00%
78 29-1062	.00 Family and General Practitioners	Healthcare Practitioners and Technical Occupations	Doctoral or professional degree	14	4 3	80	12	2	0	0	181	58	4,560	1,257	76	24	2	7.73% 6.	90%	8.33%	0.95%	2.63%	0.00%	0.00%
79 11-9013 80 13-2051		Management Occupations Business and Financial Operations Occupations	High school diploma or equivalent	240 7		,060 50	135	0 11	0	0	1,293 273	0 79	75,880 9,460	72 4,616	5 272	0 640	0	18.56% 0. 2.56% 2.		18.53% 2.64%	0.00% 2.92%	0.00% 4.04%	0.00%	0.00%
81 11-3031	, , , , ,	Management Occupations Management Occupations	Bachelor's degree Bachelor's degree	46		610	157	23	3	1	621	110	21,580	17,062	455	958	12		27%	7.46%	0.92%	5.05%	0.00%	8.33%
82 47-1011	.00 First-Line Sup/Mgrs of Con. Trades/Extract. Work	Construction and Extraction Occupations	High school diploma or equivalent	25		610	56	9	7	1	243	124	14,990	715	145	174	7	10.29% 9.	68%	10.74%	7.83%	6.21%	4.02%	14.29%
83 35-1012 84 53-1021		Food Preparation and Serving Related Occupations Transportation and Material Moving Occupations	High school diploma or equivalent High school diploma or equivalent	143 0		930 0	2	1	0	0	1,325 233	308 10	34,250 6,970	4,528 212	105 50	30 0	0	10.79% 8. 0.00% 0.	44% 00%	11.47% 0.00%	0.07%	1.90% 2.00%	0.00%	0.00%
85 49-1011		Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	42	-	780	242	23	30	1	403	80	16,180	4,595	441	65	6	10.42% 7.		11.00%	5.27%	5.22%	46.15%	16.67%
86 41-1012	.00 First-Line Sup./Mgrs of Non-Retail Sales Workers	Sales and Related Occupations	High school diploma or equivalent	15		060	210	14		0	231	73	13,760	4,406	333	0	0	6.49% 4.		7.70%	4.77%	4.20%	0.00%	0.00%
87 43-1011 88 51-1011		Office and Administrative Support Occupations Production Occupations	High school diploma or equivalent High school diploma or equivalent	0 63		0 980	503 1,012	31 34	57	7	982 448	321 0	43,780 28,320	21,026 13,228	590 647	15 217	4 26	0.00% 0.0 14.06% 0.0		0.00% 14.05%	2.39% 7.65%	5.25% 5.26%	6.67% 26.27%	25.00% 26.92%
89 41-1011	.00 First-Line Superv./Mgrs of Retail Sales Workers	Sales and Related Occupations	High school diploma or equivalent	119	9 4,	930	615	11	0	0	1,274	44	55,030	16,081	207	5	1	9.34% 20	.45%	8.96%	3.82%	5.31%	0.00%	0.00%
90 53-1031	.00 FL Sup/Mgr of Trans/MatMov. Mach & Veh Op	Transportation and Material Moving Occupations	High school diploma or equivalent	27	0 8	40	470	20	2	1	292	19	8,510	5,922	364	5	1	9.25% 0.	00%	9.87%	7.94%	5.49%	40.00%	100.00%

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October 2017

Ref. #	Ext. SOC	In-Demand Occupation - 236				-			Statewide			Northwest Regional Percentage Share of Statewide Numbers									
			Family	Typical Education Required for Entry		Regional	Northwest Region	Number of			atewide State		Statewide 4-		ewide No. of	Total An	iual				Number of
					Regional Annual Openings	Growth 2014 Regio Openings Employme			Regional Emplo Forecast Data (Fore		Annual Annual penings Ope	Growth 2014 Statewi nings Employmen			ecast Employers ata Forecasted	Annual Gro		wide OMJ 4-Year Tren ent Data	d Number of OMJ Employers	Forecast Data	Employers Forecasted
	19-1012.00	Food Scientists and Technologists	Life, Physical, and Social Science Occupations	Bachelor's degree	0	0 0	3	1	0 (0	26	2 680	280	42	1 1	0.00% 0.		1.07%	2.38%	0.00%	0.00%
	11-9051.00 11-1021.00	Food Service Managers	Management Occupations	High school diploma or equivalent	40 171	8 1,600 20 5.960	3 190	3 18	0 (0		52 13,970 96 63,520	1,645 9,384	-	60 1 67 9	12.01% 15 8.98% 6.		0.18% 2.02%	5.26% 4.10%	0.00%	0.00% 11.11%
	27-1024.00	General and Operations Managers Graphic Designers	Management Occupations Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree Bachelor's degree	171	0 700	29	8	0 0	0		10 9,860	1,081	194	2 1	6.97% 0.		2.68%	4.12%	0.00%	0.00%
	17-2111.00	Health & Safety Engineers, ex. Mining Safety & Inspectors	Architecture and Engineering Occupations	Bachelor's degree	0	0 0	105	13	5 3	3	24	4 670	1,787	281	6 4	0.00% 0.		5.88%	4.63%	83.33%	75.00%
	29-2099.00 21-1022.00	Health Technologists and Technicians, All Other Healthcare Social Workers	Healthcare Practitioners and Technical Occupations Community and Social Service Occupations	High school diploma or equivalent Master's degree	14 23	10 410 8 620	5	3	0 0	0		05 4,670 16 6,900	1,830 1,456	61 74	0 0	9.27% 9. 8.16% 6.		0.16%	3.28% 4.05%	0.00%	0.00%
98	31-9099.00	Healthcare Support Workers, All Other	Healthcare Support Occupations	High school diploma or equivalent	13	4 420	8	4	3 1	1		3,100	1,658		33 3	12.75% 10		0.48%	6.56%	9.09%	33.33%
	49-9021.00 53-3032.00	Heating, AC, & Refrigeration Mechanics/Installers Truck Drivers, Heavy and Tractor-Trailer	Installation, Maintenance, and Repair Occupations Transportation and Material Moving Occupations	Certificate/Some college Certificate/Some college	33 191	16 1,120 40 8,900	768	16	0 (0		47 9,890 53 73,110	353 16,734	-	.88 7 873 14	11.07% 10 11.96% 11			0.00% 7.02%	0.00% 10.20%	0.00% 28.57%
	47-3019.00	Helpers, Construction Trades, All Other	Construction and Extraction Occupations	Less Than High School	0	0 0	0	0	0 (0	11	5 440	775	3	24 1	0.00% 0.		0.00%	0.00%	0.00%	0.00%
	47-3013.00	HelpersElectricians	Construction and Extraction Occupations	High school diploma or equivalent	0	0 0 0 2,500	0 138	0 17	0 0	0	34 2 665	20 1,110 0 20,390	76 1,812		.59 2 .60 8	0.00% 0.		0.00%	0.00%	0.00%	0.00%
	51-9198.00 43-4161.00	HelpersProduction Workers Human Resources Assis., ex. Payroll & Timekp	Production Occupations Office and Administrative Support Occupations	Less Than High School Associate's degree	81 5	0 2,500	32	15	1 1	1		0 20,390	1,516		1 1	12.18% 0. 8.93% 0.		7.62% 2.11%	6.07% 5.02%	43.13% 100.00%	25.00% 100.00%
	11-3121.00	Human Resources Managers	Management Occupations	Bachelor's degree	14	3 390	288	25	3 1	1		37 4,320	5,848	575	7 3	8.59% 8.		4.92%	4.35%	42.86%	33.33%
	13-1071.00 17-2112.00	Human Resources Specialists Industrial Engineers	Business and Financial Operations Occupations Architecture and Engineering Occupations	Bachelor's degree Bachelor's degree	56 51	0 2,300 5 1,580	99 1,369	18 32	4 1	2		58 16,180 23 11,710	3,720 19,962		9 3 31 5	12.39% 0. 13.93% 21		2.66%	5.31% 5.28%	44.44% 54.84%	33.33% 40.00%
108	49-9041.00	Industrial Machinery Mechanics	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	112	50 2,380	48	13	33	3		01 16,780	1,121		76 11	15.22% 16			5.53%	43.42%	27.27%
	11-3051.00 53-7051.00	Industrial Production Managers	Management Occupations	Bachelor's degree	45	0 1,580 0 4,660	105	16 9	3 3	3	346 630	0 12,210 13 24,790	1,207		27 10 55 3	13.01% 0.			6.04%	11.11%	30.00%
	15-1122.00	Industrial Truck and Tractor Operators Information Security Analysts	Transportation and Material Moving Occupations Computer and Mathematical Occupations	Less Than High School Bachelor's degree	116 0	0 4,860	80 49	7	26 2 12 1	1	55	13 24,790 30 1,920	1,864 4,723		30 4	18.41% 0. 0.00% 0.		1.04%	6.12% 3.76%	47.27% 5.22%	66.67% 25.00%
112	15-1199.09	Information Technology Project Managers*	Computer and Mathematical Occupations	Bachelor's degree	2	0 140	168	22	1 1	1	103	6 7,520	33,233	436	88 8	1.94% 0.	0% 1.86%	0.51%	5.05%	0.26%	12.50%
	51-9061.00 25-9031.01	Inspectors, Testers, Sorters, Samplers, and Weighers Instructional Designers and Technologists*	Production Occupations Education, Training, and Library Occupations	High school diploma or equivalent Master's degree	112 4	0 4,470 2 250	27 2	5	0 0	0	621 48	0 24,710 23 2,560	1,139 527	237 82	18 4	18.04% 0. 8.33% 8.		2.37% 0.38%	2.11%	0.00%	0.00%
	43-9041.00	Insurance Claims and Policy Processing Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	22	4 720	1	1	0 (0	511	74 17,460	427	-	100 1	4.31% 5.		0.23%	1.64%	0.00%	0.00%
	41-3021.00	Insurance Sales Agents	Sales and Related Occupations	High school diploma or equivalent	40	10 1,120	5	3	0 (0		10 17,940	3,245		0 0	6.88% 9.		0.15%	2.94%	0.00%	0.00%
	13-2053.00 29-1063.00	Insurance Underwriters Internists, General	Business and Financial Operations Occupations Healthcare Practitioners and Technical Occupations	Bachelor's degree Doctoral or professional degree	4	0 110 1 120	4	1	0 0	0	93 81	0 4,930 21 2,220	851 795		3 1	2.15% 0. 4.94% 4.		0.12% 0.50%	2.17% 1.72%	4.26% 0.00%	25.00% 0.00%
119	27-3091.00	Interpreters and Translators	Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree	0	0 0	0	0	0 0	0	91 5	56 2,200	264	44	0 0	0.00% 0.	0.00%	0.00%	0.00%	0.00%	0.00%
	43-4111.00	Interviewers, Except Eligibility and Loan	Office and Administrative Support Occupations	High school diploma or equivalent	50	9 1,820 4 1.140	30	2	0 (0		51 9,330 11 20,180	2,518 1,659	69 142	0 0	18.25% 14			2.90%	0.00%	0.00%
	23-1011.00 29-2061.00	Licensed Practical and Licensed Vocational Nurses	Legal Occupations Healthcare Practitioners and Technical Occupations	Doctoral or professional degree Certificate/Some college	21 190	67 4,310	28	5	15 1	1		00 39,730	4,943		.07 6	5.17% 3. 9.84% 8.		1.81% 0.57%	2.82% 5.15%	0.00% 14.02%	0.00% 16.67%
	53-3033.00	Truck Drivers, Light or Delivery Services	Transportation and Material Moving Occupations	High school diploma or equivalent	72	4 4,030	86	7	0 (0		33,410	6,001		106 4	11.54% 7.		1.43%	3.95%	0.00%	0.00%
	43-4131.00 13-2072.00	Loan Interviewers and Clerks Loan Officers	Office and Administrative Support Occupations Business and Financial Operations Occupations	High school diploma or equivalent Bachelor's degree	13	4 600 5 850	1	0	6 1	1		9,380 9 12,550	782 7,587		35 4 .82 6	6.34% 6. 6.38% 5.		0.13%	1.61% 0.00%	17.14% 2.20%	25.00% 16.67%
	13-1081.00	Logisticians*	Business and Financial Operations Occupations	Bachelor's degree	5	0 370	102	16	0 0	0		9 5,790	1,686	-	17 2	5.62% 0.		6.05%	7.02%	0.00%	0.00%
	13-1081.02	Logistics Analysts*	Business and Financial Operations Occupations	Bachelor's degree	5	0 370	102	16	0 (0	89	9 5,790	1,686	228	3 1	5.62% 0.		6.05%	7.02%	0.00%	0.00%
_	11-9199.08 51-4041.00	Loss Prevention Managers* Machinists	Management Occupations Production Occupations	High school diploma or equivalent High school diploma or equivalent	38 188	6 1,440 46 4,930	174 65	21 14	49 2	2		18 29,190 04 29,270	8,360 1,586	-	0 0	4.99% 5. 16.35% 15		2.08% 4.10%	4.65% 6.45%	0.00% 7.74%	0.00% 10.00%
130	29-2035.00	Magnetic Resonance Imaging Technologists	Healthcare Practitioners and Technical Occupations	Associate's degree	0	0 0	1	1	1 1	1	49	20 1,520	252	41	1 1	0.00% 0.	0% 0.00%	0.40%	2.44%	100.00%	100.00%
	49-9071.00 49-9043.00	Maintenance and Repair Workers, General	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	199 15	17 6,940 4 690	450 0	31 0	48 6 15	6	,	47 53,070 33 4,420	7,176 12		160 19 16 18	12.15% 6. 14.42% 12			4.86% 0.00%	10.43% 12.93%	31.58% 16.67%
	13-1111.00	Maintenance Workers, Machinery Management Analysts	Installation, Maintenance, and Repair Occupations Business and Financial Operations Occupations	High school diploma or equivalent Bachelor's degree	23	12 800	177	19	0 (0		90 24,080	30,314		600 3	3.69% 4.		0.58%	5.15%	0.00%	0.00%
	11-9199.00	Managers, All Other	Management Occupations	Bachelor's degree	38	6 1,440	174	21	12 1	1		18 29,190	8,360	-	46 8	4.99% 5.		2.08%	4.65%	26.09%	12.50%
	17-2199.04 17-3029.09	Manufacturing Engineers* Manufacturing Production Technicians*	Architecture and Engineering Occupations Architecture and Engineering Occupations	Bachelor's degree Associate's degree	11 7	1 500 0 270	42	10 2	10 1	1		32 7,930 2 3,560	564 177		.07 17 183 13	5.76% 3. 7.87% 0.		7.45% 1.69%	7.35% 3.57%	1.87% 2.61%	5.88% 7.69%
137	13-1161.00	Market Research Analysts and Marketing Specialists	Business and Financial Operations Occupations	Bachelor's degree	42	26 1,310	163	13	2 1	1	602 3	62 20,100	8,302	361	75 5	6.98% 7.		1.96%	3.60%	2.67%	20.00%
	11-2021.00 31-9011.00	Marketing Managers	Management Occupations	Bachelor's degree	0 22	0 0 18 590	264	22	4 1	1		14 5,440 94 3,740	18,404 61	487 17	39 6	0.00% 0. 18.03% 19		1.43%	4.52% 0.00%	10.26% 0.00%	16.67% 0.00%
	17-2131.00	Massage Therapists Materials Engineers	Healthcare Support Occupations Architecture and Engineering Occupations	Certificate/Some college Bachelor's degree	4	0 130	13	4	1 1	1	53	1 1,480	1,014		21 3	7.55% 0.		1.28%	4.76%	4.76%	33.33%
	19-2032.00	Materials Scientists	Life, Physical, and Social Science Occupations	Bachelor's degree	0	0 0	30	4	0 (0	13	3 480	270	28	9 2	0.00% 0.		11.11%	14.29%	0.00%	0.00%
	17-3013.00 17-3027.00	Mechanical Drafters Mechanical Engineering Technicians	Architecture and Engineering Occupations Architecture and Engineering Occupations	Associate's degree Associate's degree	4 10	0 370 1 370	6	3 4	0 (0	36 69	0 3,080 6 2,560	196 204		7 <u>1</u> 64 4	11.11% 0. 14.49% 16		3.06% 1.96%	3.75% 7.84%	0.00% 21.88%	0.00% 50.00%
	17-2141.00	Mechanical Engineers	Architecture and Engineering Occupations	Bachelor's degree	53	7 1,450	136	16	21 5	5		50 11,990	5,396	-	38 22	12.33% 14		2.52%	4.98%	8.82%	22.73%
	29-2012.00	Medical and Clinical Laboratory Technicians	Healthcare Practitioners and Technical Occupations	Associate's degree	26 25	10 660 10 610	36 68	5	0 (0		34 6,180 77 6,480	2,789 3,075		39 3 705 10	11.21% 11 10.78% 12			5.05%	0.00% 6.38%	0.00% 10.00%
	29-2011.00 11-9111.00	Medical and Clinical Laboratory Technologists Medical and Health Services Managers	Healthcare Practitioners and Technical Occupations Management Occupations	Bachelor's degree Bachelor's degree	68	26 1,660	114	7	0 (0		85 16,340	14,251		33 3	9.74% 9.		2.21% 0.80%	3.90%	0.00%	0.00%
148	31-9092.00	Medical Assistants	Healthcare Support Occupations	Certificate/Some college	133	71 2,990	65	5	134 2	2	-	68 21,240	13,236		565 10	14.60% 15		0.49%	4.42%	5.22%	20.00%
	49-9062.00 29-2071.00	Medical Equipment Repairers Medical Records and Health Information Technicians	Installation, Maintenance, and Repair Occupations Healthcare Practitioners and Technical Occupations	Associate's degree Certificate/Some college	0	1 180 0 0	3 180	7	0 0	0	54 : 283 :1	11 2,400 04 7,980	513 6,243		15 1 .30 2	7.41% 9. 0.00% 0.		0.58% 2.88%	1.54% 5.15%	0.00%	0.00%
151	43-6013.00	Medical Secretaries	Office and Administrative Support Occupations	High school diploma or equivalent	130	86 4,210	22	2	0 (0	1,147 7	38 38,770	11,172	116	0 0	11.33% 11	55% 10.86%	0.20%	1.72%	0.00%	0.00%
	21-1023.00	Mental Health and Substance Abuse Social Workers	Community and Social Service Occupations	Bachelor's degree	35	16 790 13 480	328	6 5	444 3 131 4			10 6,620 72 4,130	4,242		002 16	12.96% 14			5.66%	44.31%	18.75%
	21-1014.00 49-9044.00	Mental Health Counselors Millwrights	Community and Social Service Occupations Installation, Maintenance, and Repair Occupations	Master's degree High school diploma or equivalent	23	13 480 6 810	29 9	1	60 1	1		72 4,130 88 2,990	491 23		655 13 68 2	14.56% 18 22.45% 15			9.09%	20.00% 88.24%	30.77% 50.00%
155	49-3042.00	Mobile Heavy Equipment Mechanics, Except Engines	Installation, Maintenance, and Repair Occupations	High school diploma or equivalent	7	0 280	10	2	0 (0	85	12 3,090	195	36	37 3	8.24% 0.	0% 9.06%	5.13%	5.56%	0.00%	0.00%
	11-9121.00 15-1142.00	Natural Sciences Managers Network and Computer Systems Administrators	Management Occupations Computer and Mathematical Occupations	Bachelor's degree Bachelor's degree	0 12	0 0	18 199	4 24	9 1	2		3 1,140 92 14,780	2,164 11,682		17 3 70 8	0.00% 0. 4.26% 0.		0.83% 1.70%	4.17% 5.10%	52.94% 7.14%	33.33% 25.00%
158	43-4141.00	New Accounts Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	5	0 200	0	0	0 (0 2,210	420	35	2 1	9.26% 0.	0% 9.05%	0.00%	0.00%	0.00%	0.00%
	17-3029.01 29-2033.00	Non-Destructive Testing Specialists* Nuclear Medicine Technologists	Architecture and Engineering Occupations	Associate's degree	7	0 270	3	2		0	89	2 3,560	177		31 2	7.87% 0.		1.69%	3.57%	0.00%	0.00%
	29-2033.00 29-1171.00	Nuclear Medicine Technologists Nurse Practitioners	Healthcare Practitioners and Technical Occupations Healthcare Practitioners and Technical Occupations	Associate's degree Master's degree	2 28	0 110 17 480	0 5	1	3 1 6 1			9 1,000 24 4,470	278 1,323		3 1 .62 7	7.14% 0. 12.17% 13			0.00%	100.00% 3.70%	100.00% 14.29%
162	31-1014.00	Nursing Assistants	Healthcare Support Occupations	Certificate/Some college	279	111 7,420	10	1	75 1		2,711 1,	107 71,020	8,786	77 2	310 9	10.29% 10	03% 10.45%	0.11%	1.30%	3.25%	11.11%
	29-9011.00 29-1122.00	Occupational Health and Safety Specialists Occupational Therapists	Healthcare Practitioners and Technical Occupations Healthcare Practitioners and Technical Occupations	Bachelor's degree Master's degree	9 27	2 370 17 520	44 7	9	0 (0		14 2,770 24 4,650	442 2,494		1 1 75 2	13.04% 14 12.62% 13			7.76% 1.69%	0.00% 20.00%	0.00% 50.00%
	31-2011.00	Occupational Therapists Occupational Therapist Assistants	Healthcare Practitioners and Technical Occupations Healthcare Support Occupations	Associate's degree	21	13 260	7	1				10 2,300	788		0 0	11.86% 11			2.22%	0.00%	0.00%
166	43-9199.00	Office and Administrative Support Workers, All Other	Office and Administrative Support Occupations	High school diploma or equivalent	0	0 0	10	5	0 (50 5,550	354		18 5	0.00% 0.		2.82%	6.10%	0.00%	0.00%
	43-9061.00 13-1199.06	Office Clerks, General Online Merchants*	Office and Administrative Support Occupations Business and Financial Operations Occupations	High school diploma or equivalent High school diploma or equivalent	227 20	7 10,180 0 1,680	127 83	20 11	0 0			49 104,140 57 25,760	3,898 5,151		6 1 0 0	9.10% 2. 5.35% 0.		3.26% 1.61%	5.59% 3.54%	0.00%	0.00%
169	47-2073.00	Operating Engineers & Other Con. Equip. Op.	Construction and Extraction Occupations	High school diploma or equivalent	37	7 1,770	10	3	44 2	2	313	78 14,110	102	25	149 4	11.82% 8.	7% 12.54%		12.00%	17.67%	50.00%
	15-2031.00	Operations Research Analysts	Computer and Mathematical Occupations	Bachelor's degree	0	0 0	116	12				58 2,450 50 3.150	3,437		.15 1	0.00% 0.		3.38%	4.71%	0.00%	0.00%
	29-2081.00 43-4151.00	Opticians, Dispensing Order Clerks	Healthcare Practitioners and Technical Occupations Office and Administrative Support Occupations	High school diploma or equivalent High school diploma or equivalent	20 21	9 410 0 760	0 60	8		0		3,150 4 11,940	128 462		0 0	13.89% 15 6.40% 0.		0.00% 12.99%	0.00% 7.48%	0.00%	0.00%
173	51-9111.00	Packaging and Filling Machine Operators/Tenders	Production Occupations	High school diploma or equivalent	126	14 3,150	70	6	121 2		773	50 19,990	1,349	138	223 4	16.30% 23	33% 15.76%	5.19%	4.35%	54.26%	50.00%
	47-2141.00 51-9122.00	Painters, Construction and Maintenance Painters, Transportation Equipment	Construction and Extraction Occupations Production Occupations	Less Than High School High school diploma or equivalent	24	7 1,070 0 190	4	0		0	250 g	90 10,040 9 1,580	51 17		0 0 6 1	9.60% 7. 10.26% 0.			7.41% 0.00%	0.00%	0.00%
176	23-2011.00	Paralegals and Legal Assistants	Legal Occupations	Associate's degree	16	4 520	10	4	0 0			51 7,300	542		6 2	7.24% 6.		1.85%	3.67%	0.00%	0.00%
	41-2022.00	Parts Salespersons	Sales and Related Occupations	Less Than High School	0 14	0 0 0 510	3 17	1 9	0 (53 10,440 0 6.790	631 489		1 1 3	0.00% 0.		0.48%	7.69%	0.00%	0.00%
	43-3051.00 13-2052.00	Payroll and Timekeeping Clerks Personal Financial Advisors	Office and Administrative Support Occupations Business and Financial Operations Occupations	High school diploma or equivalent Bachelor's degree	0	0 0	5	5		0	0	0 6,790 0 0	1,052		6 2	7.69% 0. 0.00% 0.		3.48% 0.48%	5.45% 8.47%	33.33% 0.00%	50.00% 0.00%
	29-1051.00	Pharmacists	Healthcare Practitioners and Technical Occupations	Doctoral or professional degree	35	6 1,250	261	3				11,770	5,904		.70 2	11.15% 15			3.66%	0.00%	0.00%



Northwest Regional In-Demand Occupations Report

October 2017

Ref #	Ext. SOC	In-Demand Occupation - 236	Family	Typical Education Required for Entry ¹		Northwest Region Statewide												Northwest Regional Percentage Share of Statewide Numbers								
Kei.#	EXI. SOC	III-Delliana Occupation - 236	raililly	Typical Education Required for Entry		Northwest Region Regional Number of Number of					Number of	Statewide Statewide Statewide 4- No. of Statewide No. of								5 5						
					Regional Annual		2014 Regional	Regional OMJ		Regional	Employers	Annual	Annual Growth	2014 Statewide	Year OMJ	Employer	Forecast	Employers	Annual		2014 Statewide	OMJ 4-Year Trend	Number of OMI		Employers	
					Openings		Employment	Trend Data		Forecast Data	(Forecast)	Openings	Openings	Employment	Trend Data	s (OMJ)	Data	Forecasted		Openings	Employment	Data		Forecast Data		
181	31-9097.00	Phlebotomists	Healthcare Support Occupations	Certificate/Some college	22	11	530	47	2	0	0	190	88	4,890	2,043	50	100	3	11.58%	12.50%	10.84%	2.30%	4.00%	0.00%	0.00%	
182	31-2021.00	Physical Therapist Assistants	Healthcare Support Occupations	Associate's degree	50	30	710	3	1	0	0	339	195	4,990	1,137	49	0	0	14.75%	15.38%	14.23%	0.26%	2.04%	0.00%	0.00%	
183	29-1123.00	Physical Therapists	Healthcare Practitioners and Technical Occupations	Doctoral or professional degree	50	28	820	11	4	0	0	423	222	7,500	3,519	78	111	3	11.82%	12.61%	10.93%	0.31%	5.13%	0.00%	0.00%	
184	29-1071.00	Physician Assistants	Healthcare Practitioners and Technical Occupations	Master's degree	14	8	260	10	1	0	0	106	59	2,090	3,394	64	14	1	13.21%	13.56%	12.44%	0.29%	1.56%	0.00%	0.00%	
185	29-1069.00	Physicians and Surgeons, All Other	Healthcare Practitioners and Technical Occupations	Doctoral or professional degree	83	33	1,850	12	2	25	1	710	255	16,910	2,119	67	665	4	11.69%	12.94%	10.94%	0.57%	2.99%	3.76%	25.00%	
186	47-2152.00	Plumbers, Pipefitters, and Steamfitters	Construction and Extraction Occupations	High school diploma or equivalent	53	24	2,190	9	2	0	0	339	148	14,440	131	31	366	4	15.63%	16.22%	15.17%	6.87%	6.45%	0.00%	0.00%	
187	51-9199.00	Production Workers, All Other	Production Occupations	High school diploma or equivalent	0	0	0	46	8	208	4	310	42	13,070	388	125	867	14	0.00%	0.00%	0.00%	11.86%	6.40%	23.99%	28.57%	
188	43-5061.00	Production, Planning, and Expediting Clerks	Office and Administrative Support Occupations	High school diploma or equivalent	37	3	1,260	74	15	0	0	412	49	13,390	2,208	340	25	1	8.98%	6.12%	9.41%	3.35%	4.41%	0.00%	0.00%	
189	11-9141.00	Property, Real Estate & Community Assn Mgrs	Management Occupations	High school diploma or equivalent	15	2	770	4	1	0	0	237	58	10,300	564	93	0	0	6.33%	3.45%	7.48%	0.71%	1.08%	0.00%	0.00%	
	29-1066.00	Psychiatrists	Healthcare Practitioners and Technical Occupations	Doctoral or professional degree	5	2	100	9	3	26	2	63	27	1,360	319	55	110	8	7.94%	7.41%	7.35%	2.82%	5.45%	23.64%	25.00%	
	27-3031.00	Public Relations Specialists	Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree	8	1	620	68	17	0	0	132	40	7,710	2,676	334	3	1	6.06%	2.50%	8.04%	2.54%	5.09%	0.00%	0.00%	
	13-1023.00	Purchasing Agents, ex. Whole., Retail, & Farm	Business and Financial Operations Occupations	Bachelor's degree	25	1	860	200	17	20	1	342	0	12,450	3,563	393	20	1	7.31%	0.00%	6.91%	5.61%	4.33%	100.00%	100.00%	
	11-3061.00	Purchasing Managers	Management Occupations	Bachelor's degree	4	0	180	92	19	1	1	68	2	2,780	3,537	283	383	5	5.88%	0.00%	6.47%	2.60%	6.71%	0.26%	20.00%	
194	19-4099.01	Quality Control Analysts*	Life, Physical, and Social Science Occupations	Associate's degree	0	0	0	0	0	4	1	73	8	1,560	173	61	68	5	0.00%	0.00%	0.00%	0.00%	0.00%	5.88%	20.00%	
	29-2034.00	Radiologic Technologists	Healthcare Practitioners and Technical Occupations	Associate's degree	27	7	1,050	2	1	12	1	259	88	9,050	3,993	67	93	2	10.42%	7.95%	11.60%	0.05%	1.49%	12.90%	50.00%	
	29-1141.00	Registered Nurses	Healthcare Practitioners and Technical Occupations	Bachelor's degree	488	192	12,540	231	10	121	7	4,833	1,777	129,550	29,481	206	15,260	26	10.10%	10.80%	9.68%	0.78%	4.85%	0.79%	26.92%	
	13-1041.07	Regulatory Affairs Specialists*	Business and Financial Operations Occupations	Bachelor's degree	10	3	510	28	5	0	0	120	28	6,570	872	160	2	1	8.33%	10.71%	7.76%	3.21%	3.13%	0.00%	0.00%	
	39-9041.00	Residential Advisors	Personal Care & Services	High school diploma or equivalent	0	0	0	4	2	0	0	131	53	2,570	10	8	0	0	0.00%	0.00%	0.00%	40.00%	25.00%	0.00%	0.00%	
	29-1126.00	Respiratory Therapists	Healthcare Practitioners and Technical Occupations	Associate's degree	23	7	700	10	2	0	0	194	56	5,880	2,677	57	57	2	11.86%	12.50%	11.90%	0.37%	3.51%	0.00%	0.00%	
200	17-2199.08	Robotics Engineers*	Architecture and Engineering Occupations	Bachelor's degree	11	1	500	42	10	12	1	191	32	7,930	564	136	12	1	5.76%	3.13%	6.31%	7.45%	7.35%	100.00%	100.00%	
	41-9031.00	Sales Engineers	Sales and Related Occupations	Bachelor's degree	6	1	190	25	6	3	1	91	13	3,030	2,806	192	43	11	6.59%	7.69%	6.27%	0.89%	3.13%	6.98%	9.09%	
202		Sales Managers	Management Occupations	Bachelor's degree	24	1	980	98	20	9	1	396	58	14,300	8,246	423	71	12	6.06%	1.72%	6.85%	1.19%	4.73%	12.68%	8.33%	
	41-3099.00	Sales Representatives, Services, All Other	Sales and Related Occupations	High school diploma or equivalent	53	9	2,060	568	8	0	0	850	224	29,380	7,974	233	63	11	6.24%	4.02%	7.01%	7.12%	3.43%	0.00%	0.00%	
	41-4012.00	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	Sales and Related Occupations	High school diploma or equivalent	107	16	4,400	368	15	16	3	1,202	199	48,760	7,580	389	19	4	8.90%	8.04%	9.02%	4.85%	3.86%	84.21%	75.00%	
	41-4011.00	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	Sales and Related Occupations	Bachelor's degree	41	6	1,690	46	12	5	2	610	132	23,220	11,666	278	56	/	6.72%	4.55%	7.28%	0.39%	4.32%	8.93%	28.57%	
206	15-1199.10 43-6014.00	Search Marketing Strategists*	Computer and Mathematical Occupations	Bachelor's degree	2	0	140	168	22	0	0	103	6	7,520	33,233	436	18	1	1.94%	0.00%	1.86%	0.51%	5.05%	0.00%	0.00%	
	41-3031.00	Secretaries, Except Legal, Medical, and Executive	Office and Administrative Support Occupations	High school diploma or equivalent	14	0	7,530	54	14	3	0	939	158	74,040	1,801	341	13	2	8.41%	0.00%	10.17%	3.00%	4.11%	23.08%	25.00%	
		Securities/Commodities/Fin. Serv. Sales Agents	Sales and Related Occupations	Bachelor's degree	25	5	530 870	8	2	0	0	272 300	79 118	11,200 9,630	13,650 7	142	500	2	5.15%	6.33% 7.63%	4.73% 9.03%	0.06%	1.41% 0.00%	0.00%	0.00%	
210	25-3021.00 47-2211.00	Self-Enrichment Education Teachers Sheet Metal Workers	Education, Training, and Library Occupations Construction and Extraction Occupations	High school diploma or equivalent High school diploma or equivalent	10	1	400	7	1	0	0	126	25	4,690	67	20	145	2	8.33% 7.94%	4.00%	8.53%	10.45%	5.00%	0.00%	0.00%	
	43-5071.00	Shipping, Receiving, and Traffic Clerks	·		60	0	3,140	90	0	0	0	827	32	36,600	1,540	245	26	2	8.22%	0.00%	8.58%	5.84%	3.67%	0.00%	0.00%	
	11-9151.00	· · ·	Office and Administrative Support Occupations	High school diploma or equivalent	17	3	520	14	7	15	1	156	34	4.590	682	103	51	3	10.90%	8.82%	11.33%	2.05%	6.80%	29.41%	33.33%	
	21-1093.00	Social and Community Service Managers	Management Occupations	Bachelor's degree	30	11	1,410	108	9	0	0	332	106	11,510	4,771	157	213	3	11.75%	10.38%	12.25%	2.26%		0.00%	0.00%	
213	15-1132.00	Social and Human Service Assistants Software Developers, Applications	Community and Social Service Occupations Computer and Mathematical Occupations	High school diploma or equivalent Bachelor's degree	34	20	960	50	1/1	25	1	836	467	25,840	17,133	357	1,799	26	4.07%	4.28%	3.72%	0.29%	5.10% 3.92%	1.39%	3.85%	
	15-1133.00	Software Developers, Systems Software	Computer and Mathematical Occupations Computer and Mathematical Occupations	Bachelor's degree	0	0	0	5	3	0	0	120	42	5,430	1,480	128	344	7	0.00%	0.00%	0.00%	0.34%	2.34%	0.00%	0.00%	
216		Software Quality Assurance Engineers and Testers*	Computer and Mathematical Occupations	Bachelor's degree	2	0	140	168	22	0	0	103	6	7,520	33,233	436	211	6	1.94%	0.00%	1.86%	0.51%	5.05%	0.00%	0.00%	
	29-1127.00	Speech-Language Pathologists	Healthcare Practitioners and Technical Occupations	Master's degree	38	22	620	4	1	0	0	269	135	5.320	1,670	50	0	0	14.13%	16.30%	11.65%	0.24%	2.00%	0.00%	0.00%	
	15-2041.00	Statisticians	Computer and Mathematical Occupations	Master's degree	0	0	0	1	1	0	0	44	28	880	474	68	6	1	0.00%	0.00%	0.00%	0.21%	1.47%	0.00%	0.00%	
	47-2221.00	Structural Iron and Steel Workers	Construction and Extraction Occupations	High school diploma or equivalent	5	0	290	1	1	14	1	38	2	2,190	16	5	99	2	13.16%	0.00%	13.24%	6.25%	20.00%	14.14%	50.00%	
	21-1011.00	Substance Abuse and Behavioral Disorder Counselors	Community and Social Service	Bachelor's degree	6	3	150	13	2	15	1	106	51	2,650	381	57	65	3	5.66%	5.88%	5.66%	3.41%	3.51%	23.08%	33.33%	
	11-9199.04	Supply Chain Managers*	Management Occupations	High school diploma or equivalent	38	6	1,440	174	21	0	0	762	118	29,190	8,360	452	0	0	4.99%	5.08%	4.93%	2.08%	4.65%	0.00%	0.00%	
	29-2099.07	Surgical Assistants*	Healthcare Practitioners and Technical Occupations	Certificate/Some College	14	10	410	3	2	0	0	151	105	4,670	1,830	61	15	1	9.27%	9.52%	8.78%	0.16%	3.28%	0.00%	0.00%	
	29-2055.00	Surgical Technologists	Healthcare Practitioners and Technical Occupations	Certificate/Some college	8	4	400	13	2	0	0	84	46	3,820	2,799	59	185	2	9.52%	8.70%	10.47%	0.46%	3.39%	0.00%	0.00%	
224	51-2092.00	Team Assemblers	Production Occupations	High school diploma or equivalent	216	0	10,080	15	2	0	0	1,479	20	67,960	371	84	593	3	14.60%	0.00%	14.83%	4.04%	2.38%	0.00%	0.00%	
225	27-3042.00	Technical Writers	Arts, Design, Entertainment, Sports, and Media Occupations	Bachelor's degree	0	0	0	16	4	0	0	40	12	1,250	892	145	22	1	0.00%	0.00%	0.00%	1.79%	2.76%	0.00%	0.00%	
226	15-1143.01	Telecommunications Engineering Specialists*	Computer and Mathematical Occupations	Bachelor's degree	2	0	160	15	6	0	0	96	27	5,390	1,503	156	2	1	2.08%	0.00%	2.97%	1.00%	3.85%	0.00%	0.00%	
227	49-2022.00	Telecomm. Equip. Install/Repair, ex. Line Install	Installation, Maintenance, and Repair Occupations	Certificate/Some College	5	0	600	0	0	0	0	63	0	6,970	2,085	50	2	1	7.94%	0.00%	8.61%	0.00%	0.00%	0.00%	0.00%	
228	51-4111.00	Tool and Die Makers	Production Occupations	High school diploma or equivalent	6	0	1,320	24	6	34	4	55	0	11,080	380	94	59	8	10.91%	0.00%	11.91%	6.32%	6.38%	57.63%	50.00%	
229	13-1151.00	Training and Development Specialists	Business and Financial Operations Occupations	Bachelor's degree	16	3	540	102	13	0	0	250	60	7,810	3,937	357	2	2	6.40%	5.00%	6.91%	2.59%	3.64%	0.00%	0.00%	
230		Transportation Managers*	Management Occupations	High school diploma or equivalent	12	1	490	67	14	4	1	133	16	5,310	1,669	288	4	1	9.02%	6.25%	9.23%	4.01%	4.86%	100.00%	100.00%	
	17-2199.02	Validation Engineers*	Architecture and Engineering Occupations	Bachelor's degree	11	1	500	42	10	0	0	191	32	7,930	564	136	6	1	5.76%	3.13%	6.31%	7.45%	7.35%	0.00%	0.00%	
232	29-2056.00	Veterinary Technologists and Technicians	Healthcare Practitioners and Technical Occupations	Associate's degree	13	9	350	12	1	0	0	98	66	3,280	87	13	0	0	13.27%	13.64%	10.67%	13.79%	7.69%	0.00%	0.00%	
	51-8031.00	Water/Liquid Waste Treatment Plant/System Op.	Production Occupations	High school diploma or equivalent	15	0	580	9	2	0	0	128	18	4,310	71	18	2	1	11.72%	0.00%	13.46%	12.68%	11.11%	0.00%	0.00%	
	15-1134.00	Web Developers	Computer and Mathematical Occupations	Associate's degree	12	8	290	69	13	0	0	205	138	5,230	9,883	312	520	7	5.85%	5.80%	5.54%	0.70%	4.17%	0.00%	0.00%	
235	51-4121.00	Welders, Cutters, Solderers, and Brazers	Production Occupations	High school diploma or equivalent	58	0	2,020	22	9	95	4	455	6	15,670	556	102	779	17	12.75%	0.00%	12.89%	3.96%	8.82%	12.20%	23.53%	
236	13-1022.00	Wholesale and Retail Buyers, Except Farm Products	Business and Financial Operations Occupations	Bachelor's degree	10	1	290	3	3	0	0	171	23	4,670	467	41	1	1	5.85%	4.35%	6.21%	0.64%	7.32%	0.00%	0.00%	
				Number of Occupations Northwest Region	235	204	235	236	236	208	208															

o-net"

Occupations with Annual Earnings ≥ \$13.47 per hour, Job Growth Count ≥ the Area Average (50 jobs), And/Or Total Annual Openings ≥ the Area Average (230 jobs)

Regional jobs forcasted my not total to the state due to various statewide only forcasted data.

Data across all tables may not be comparable due to differences in reporting periods, data source and data compression and rounding

¹Typical education level needed to enter the occupation, using the US Bureau of Labor Statistics (BLS) education and training classification system

²Typical on-the-job training needed to attain competency in the occupation (http://www.bls.gov/emp/ep_definitions_edtrain.pdf)

*The one-pings and growth numbers for this corquisition represent an occupational extension with a location of the processing and competency in the occupation of the occupation of the processing and the processing

Percentage of In-Demand Northwest Region 99.58% 86.44% 99.58% 100.00% 100.00% 88.14% 88.14%

*The openings and growth numbers for this occupation represent an occupational category that includes, but is larger than the specific occupational title listed

indicates a wage greater than \$90.00 per hour or \$187,200 per year

*** Indicates that 2022 Occupational Data was suppressed, shown data represents 2020 LMI projections.