Northeast Regional Business Engagement Report

October 2017

Architecture and Engineering Occupations

Ref. #	Ext. SOC	In-Demand Occupation - 24	Typical Education Required for Entry[1]	Northeast Region: Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide: Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Northeast Regional Percentage Share of Statewide Numbers: Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
1	17-2011.00	Aerospace Engineers	Bachelor's degree	0	0	0	129	20	135	1	129	0	4,510	1,997	71	321	3	0.00%	0.00%	0.00%	6.46%	28.17%	42.06%	33.33%
2	17-2031.00	Biomedical Engineers	Bachelor's degree	13	4	350	65	10	3	1	25	8	640	163	35	54	4	52.00%	50.00%	54.69%	39.88%	28.57%	5.56%	25.00%
3	17-2041.00	Chemical Engineers	Bachelor's degree	15	0	540	147	25	1	1	40	4	1,310	447	67	44	10	37.50%	0.00%	41.22%	32.89%	37.31%	2.27%	10.00%
4	17-2051.00	Civil Engineers	Bachelor's degree	93	19	2,510	93	24	4	1	286	63	7,550	488	95	33	5	32.52%	30.16%	33.25%	19.06%	25.26%	12.12%	20.00%
5	17-2061.00	Computer Hardware Engineers	Bachelor's degree	0	0	0	159	24	9	1	19	3	760	554	64	11	2	0.00%	0.00%	0.00%	28.70%	37.50%	81.82%	50.00%
6	17-3023.00	Electrical and Electronic Engineering Technicians	Associate's degree	21	0	860	340	60	0	0	89	0	3,620	1,325	198	15	1	23.60%	0.00%	23.76%	25.66%	30.30%	0.00%	0.00%
7	17-3023.03	Electrical Engineering Technicians*	Associate's degree	21	0	860	340	60	0	0	89	0	3,620	1,325	198	27	2	23.60%	0.00%	23.76%	25.66%	30.30%	0.00%	0.00%
8	17-3029.02	Electrical Engineering Technologists*	Associate's degree	33	0	1,350	62	18	3	1	89	2	3,560	177	56	18	1	37.08%	0.00%	37.92%	35.03%	32.14%	16.67%	100.00%
9	17-2071.00	Electrical Engineers	Bachelor's degree	38	0	1,750	776	80	83	10	119	7	5,070	3,761	239	653	19	31.93%	0.00%	34.52%	20.63%	33.47%	12.71%	52.63%
10	17-3024.00	Electro-Mechanical Technicians	Associate's degree	11	0	440	23	10	28	2	15	0	600	90	36	45	3	73.33%	0.00%	73.33%	25.56%	27.78%	62.22%	66.67%
11	17-3023.01	Electronics Engineering Technicians*	Associate's degree	21	0	860	340	60	25	3	89	0	3,620	1,325	198	63	4	23.60%	0.00%	23.76%	25.66%	30.30%	39.68%	75.00%
12	17-2072.00	Electronics Engineers, Except Computer	Bachelor's degree	21	0	960	170	31	45	1	83	0	3,750	785	115	48	2	25.30%	0.00%	25.60%	21.66%	26.96%	93.75%	50.00%
13	17-2081.00	Environmental Engineers	Bachelor's degree	16	5	380	107	26	0	0	40	12	990	444	93	1	1	40.00%	41.67%	38.38%	24.10%	27.96%	0.00%	0.00%
14	17-2111.00	Health & Safety Engineers, ex. Mining Safety & Inspectors	Bachelor's degree	6	0	200	416	83	0	0	24	4	670	1,787	281	6	4	25.00%	0.00%	29.85%	23.28%	29.54%	0.00%	0.00%
15	17-2112.00	Industrial Engineers	Bachelor's degree	123	2	4,120	4,382	191	0	0	366	23	11,710	19,962	606	31	5	33.61%	8.70%	35.18%	21.95%	31.52%	0.00%	0.00%
16	17-2199.04	Manufacturing Engineers*	Bachelor's degree	59	4	2,760	120	37	8	3	191	32	7,930	564	136	107	17	30.89%	12.50%	34.80%	21.28%	27.21%	7.48%	17.65%
17	17-3029.09	Manufacturing Production Technicians*	Associate's degree	33	0	1,350	62	18	18	2	89	2	3,560	177	56	383	13	37.08%	0.00%	37.92%	35.03%	32.14%	4.70%	15.38%
18	17-2131.00	Materials Engineers	Bachelor's degree	21	0	580	139	31	20	2	53	1	1,480	1,014	84	21	3	39.62%	0.00%	39.19%	13.71%	36.90%	95.24%	66.67%
19	17-3013.00	Mechanical Drafters	Associate's degree	15	0	1,250	58	29	0	0	36	0	3,080	196	80	7	1	41.67%	0.00%	40.58%	29.59%	36.25%	0.00%	0.00%
20	17-3027.00	Mechanical Engineering Technicians	Associate's degree	18	0	740	18	10	27	1	69	6	2,560	204	51	64	4	26.09%	0.00%	28.91%	8.82%	19.61%	42.19%	25.00%
21	17-2141.00	Mechanical Engineers	Bachelor's degree	146	17	4,070	1,066	107	61	7	430	50	11,990	5,396	321	238	22	33.95%	34.00%	33.94%	19.76%	33.33%	25.63%	31.82%
22	17-3029.01	Non-Destructive Testing Specialists*	Associate's degree	33	0	1,350	62	18	25	1	89	2	3,560	177	56	31	2	37.08%	0.00%	37.92%	35.03%	32.14%	80.65%	50.00%
23	17-2199.08	Robotics Engineers*	Bachelor's degree	59	4	2,760	120	37	0	0	191	32	7,930	564	136	12	1	30.89%	12.50%	34.80%	21.28%	27.21%	0.00%	0.00%
24	17-2199.02	Validation Engineers*	Bachelor's degree	59	4	2,760	120	37	0	0	191	32	7,930	564	136	6	1	30.89%	12.50%	34.80%	21.28%	27.21%	0.00%	0.00%
			Number of Occupations Cleveland Region	875	59	32,800	9,314	1,046	495	38														

Arts, Design, Entertainment, Sports, and Media Occupations

Ref.	Ext. SOC	In-Demand Occupation - 5	Typical Education Required for Entry[1]	Northeast Region: Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide: Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Northeast Regional Percentage Share of Statewide Numbers: Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
25	27-4011.00	Audio and Video Equipment Technicians	Certificate/Some college	11	4	370	31	12	0	0	41	14	1,410	91	39	3	1	26.83%	28.57%	26.24%	34.07%	30.77%	0.00%	0.00%
26	27-1024.00	Graphic Designers	Bachelor's degree	82	1	3,410	228	52	0	0	244	10	9,860	1,081	194	2	1	33.61%	10.00%	34.58%	21.09%	26.80%	0.00%	0.00%
27	27-3091.00	Interpreters and Translators	Bachelor's degree	18	10	500	70	8	0	0	91	56	2,200	264	44	0	0	19.78%	17.86%	22.73%	26.52%	18.18%	0.00%	0.00%
28	27-3031.00	Public Relations Specialists	Bachelor's degree	36	10	2,200	887	113	0	0	132	40	7,710	2,676	334	3	1	27.27%	25.00%	28.53%	33.15%	33.83%	0.00%	0.00%
29	27-3042.00	Technical Writers	Bachelor's degree	12	4	370	310	42	22	1	40	12	1,250	892	145	22	1	30.00%	33.33%	29.60%	34.75%	28.97%	100.00%	100.00%
			Number of Occupations Cleveland Region	159	29	6,850	1,526	227	22	1														

Business and Financial Operations Occupations

Ref.	Ext. SOC	In-Demand Occupation - 21	Typical Education Required for Entry[1]	Northeast Region: Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide: Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Northeast Regional Percentage Share of Statewide Numbers: Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
30	13-2011.00	Accountants and Auditors	Bachelor's degree	535	126	15,320	5,407	234	49	9	1,438	336	41,300	16,236	668	1,312	18	37.20%	37.50%	37.09%	33.30%	35.03%	3.73%	50.00%
31	13-1199.00	Business Operations Specialists, All Other	Bachelor's degree	129	28	8,480	1,209	94	6	1	374	67	25,760	5,151	311	6	1	34.49%	41.79%	32.92%	23.47%	30.23%	100.00%	100.00%
32	13-1031.00	Claims Adjusters, Examiners, and Investigators	High school diploma or equivalent	107	0	4,340	704	32	0	0	312	11	12,150	2,495	88	1,581	4	34.29%	0.00%	35.72%	28.22%	36.36%	0.00%	0.00%
33	13-1041.00	Compliance Officers*	Bachelor's degree	37	7	2,160	217	54	0	0	120	28	6,570	872	160	2	1	30.83%	25.00%	32.88%	24.89%	33.75%	0.00%	0.00%
34	13-1051.00	Cost Estimators	Bachelor's degree	145	34	3,910	86	30	0	0	384	93	10,230	364	91	33	6	37.76%	36.56%	38.22%	23.63%	32.97%	0.00%	0.00%
35	13-2041.00	Credit Analysts	Bachelor's degree	33	3	700	315	27	5	2	163	17	3,360	1,348	96	6	3	20.25%	17.65%	20.83%	23.37%	28.13%	83.33%	66.67%
36	13-1041.01	Environmental Compliance Inspectors*	Bachelor's degree	37	7	2,160	217	54	0	0	120	28	6,570	872	160	1	1	30.83%	25.00%	32.88%	24.89%	33.75%	0.00%	0.00%
37	13-2051.00	Financial Analysts	Bachelor's degree	79	24	2,670	1,550	82	12	2	273	79	9,460	4,616	272	640	7	28.94%	30.38%	28.22%	33.58%	30.15%	1.88%	28.57%
38	13-1071.00	Human Resources Specialists	Bachelor's degree	203	15	7,730	1,118	99	0	0	452	58	16,180	3,720	339	9	3	44.91%	25.86%	47.78%	30.05%	29.20%	0.00%	0.00%
39	13-2053.00	Insurance Underwriters	Bachelor's degree	27	0	1,430	156	18	2	1	93	0	4,930	851	46	282	4	29.03%	0.00%	29.01%	18.33%	39.13%	0.71%	25.00%
40	13-2072.00	Loan Officers	Bachelor's degree	77	20	3,420	2,353	22	10	3	298	89	12,550	7,587	73	182	6	25.84%	22.47%	27.25%	31.01%	30.14%	5.49%	50.00%
41	13-1081.00	Logisticians*	Bachelor's degree	29	7	1,550	421	72	0	0	89	9	5,790	1,686	228	17	2	32.58%	77.78%	26.77%	24.97%	31.58%	0.00%	0.00%
42	13-1081.02	Logistics Analysts*	Bachelor's degree	29	7	1,550	421	72	3	1	89	9	5,790	1,686	228	3	1	32.58%	77.78%	26.77%	24.97%	31.58%	100.00%	100.00%
43	13-1111.00	Management Analysts	Bachelor's degree	197	104	6,740	6,042	108	0	0	624	290	24,080	30,314	369	500	3	31.57%	35.86%	27.99%	19.93%	29.27%	0.00%	0.00%
44	13-1161.00	Market Research Analysts and Marketing Specialists	Bachelor's degree	172	102	5,880	1,817	118	70	3	602	362	20,100	8,302	361	75	5	28.57%	28.18%	29.25%	21.89%	32.69%	93.33%	60.00%
45	13-1199.06	Online Merchants*	High school diploma or equivalent	129	28	8,480	1,209	94	0	0	374	67	25,760	5,151	311	0	0	34.49%	41.79%	32.92%	23.47%	30.23%	0.00%	0.00%
46	13-2052.00	Personal Financial Advisors	Bachelor's degree	0	0	0	166	17	3	1	0	0	0	1,052	59	6	2	0.00%	0.00%	0.00%	15.78%	28.81%	50.00%	50.00%
47	13-1023.00	Purchasing Agents, ex. Whole., Retail, & Farm	Bachelor's degree	115	2	4,120	841	128	0	0	342	0	12,450	3,563	393	20	1	33.63%	0.00%	33.09%	23.60%	32.57%	0.00%	0.00%
48	13-1041.07	Regulatory Affairs Specialists*	Bachelor's degree	37	7	2,160	217	54	2	1	120	28	6,570	872	160	2	1	30.83%	25.00%	32.88%	24.89%	33.75%	100.00%	100.00%
49	13-1151.00	Training and Development Specialists	Bachelor's degree	83	18	2,680	1,407	118	1	1	250	60	7,810	3,937	357	2	2	33.20%	30.00%	34.31%	35.74%	33.05%	50.00%	50.00%
50	13-1022.00	Wholesale and Retail Buyers, Except Farm Products	Bachelor's degree	72	10	1,970	65	11	0	0	171	23	4,670	467	41	1	1	42.11%	43.48%	42.18%	13.92%	26.83%	0.00%	0.00%
			Number of Occupations Cleveland Region	2,272	549	87,450	25,938	1,538	163	25														

Community and Social Service Occupations

Ref.	Ext. SOC	In-Demand Occupation - 6	Typical Education Required for Entry[1]	Northeast Region: Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide: Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Northeast Regional Percentage Share of Statewide Numbers: Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted

Northeast Regional Business Engagement Report

October 2017

51	21-1021.00	Child, Family, and School Social Workers	Bachelor's degree	125	22	4,290	174	24	0	0	334	71	10,920	371	65	69	3	37.43%	30.99%	39.29%	46.90%	36.92%	0.00%	0.00%
52	21-1022.00	Healthcare Social Workers	Master's degree	106	44	2,570	751	30	0	0	282	116	6,900	1,456	74	0	0	37.59%	37.93%	37.25%	51.58%	40.54%	0.00%	0.00%
53	21-1023.00	Mental Health and Substance Abuse Social Workers	Bachelor's degree	99	40	2,440	2,137	41	322	7	270	110	6,620	4,242	106	1,002	16	36.67%	36.36%	36.86%	50.38%	38.68%	32.14%	43.75%
54	21-1014.00	Mental Health Counselors	Master's degree	79	37	2,000	321	22	409	6	158	72	4,130	491	55	655	13	50.00%	51.39%	48.43%	65.38%	40.00%	62.44%	46.15%
55	21-1093.00	Social and Human Service Assistants	High school diploma or equivalent	118	40	4,000	1,595	54	3	1	332	106	11,510	4,771	157	213	3	35.54%	37.74%	34.75%	33.43%	34.39%	1.41%	33.33%
56	21-1011.00	Substance Abuse and Behavioral Disorder Counselors	Bachelor's degree	51	27	1,150	250	27	20	1	106	51	2,650	381	57	65	3	48.11%	52.94%	43.40%	65.62%	47.37%	30.77%	33.33%
			Number of Occupations Cleveland Region	**578**	**210**	**16,450**	**5,228**	**198**	**754**	**15**														

Computer and Mathematical Occupations

Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry*	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
57	15-2011.00	Actuaries	Bachelor's degree	0	0	0	92	8	0	0	45	15	1,010	961	32	17	2	0.00%	0.00%	0.00%	9.57%	25.00%	0.00%	0.00%
58	15-1199.08	Business Intelligence Analysts*	Bachelor's degree	42	5	2,860	4,355	134	6	1	103	6	7,520	33,233	436	156	2	40.78%	83.33%	38.03%	13.10%	30.73%	3.85%	50.00%
59	15-1111.00	Computer & Information Research Scientists	Doctoral or professional degree	0	0	0	60	15	0	0	3	0	230	503	55	13	3	0.00%	0.00%	0.00%	11.93%	27.27%	0.00%	0.00%
60	15-1143.00	Computer Network Architects	Bachelor's degree	26	6	1,540	320	50	0	0	96	27	5,390	1,503	156	0	0	27.08%	22.22%	28.57%	21.29%	32.05%	0.00%	0.00%
61	15-1152.00	Computer Network Support Specialists	Associate's degree	49	11	2,910	15	12	4	1	148	49	7,710	184	52	4	1	33.11%	22.45%	37.74%	8.15%	23.08%	100.00%	100.00%
62	15-1131.00	Computer Programmers	Bachelor's degree	68	0	2,780	922	108	273	5	184	0	7,490	5,370	312	358	9	36.96%	0.00%	37.12%	17.17%	34.62%	76.26%	55.56%
63	15-1121.00	Computer Systems Analysts	Bachelor's degree	267	164	7,990	5,563	144	0	0	978	599	29,440	27,229	447	571	6	27.30%	27.38%	27.14%	20.43%	32.21%	0.00%	0.00%
64	15-1199.02	Computer Systems Engineers/Architects*	Bachelor's degree	42	5	2,860	4,355	134	57	3	103	6	7,520	33,233	436	61	4	40.78%	83.33%	38.03%	13.10%	30.73%	93.44%	75.00%
65	15-1151.00	Computer User Support Specialists	Certificate/Some college	119	56	4,910	3,702	195	15	3	459	225	18,150	15,091	622	36	7	25.93%	24.89%	27.05%	24.53%	31.35%	41.67%	42.86%
66	15-1199.07	Data Warehousing Specialists*	Bachelor's degree	42	5	2,860	4,355	134	0	0	103	6	7,520	33,233	436	7	1	40.78%	83.33%	38.03%	13.10%	30.73%	0.00%	0.00%
67	15-1141.00	Database Administrators	Bachelor's degree	40	14	1,220	688	60	3	1	152	52	4,620	3,483	209	3	1	26.32%	26.92%	26.41%	19.75%	28.71%	100.00%	100.00%
68	15-1122.00	Information Security Analysts	Bachelor's degree	0	0	0	1,008	55	5	1	55	30	1,920	4,723	186	230	4	0.00%	0.00%	0.00%	21.34%	29.57%	2.17%	25.00%
69	15-1199.09	Information Technology Project Managers*	Bachelor's degree	42	5	2,860	4,355	134	0	0	103	6	7,520	33,233	436	388	8	40.78%	83.33%	38.03%	13.10%	30.73%	0.00%	0.00%
70	15-1142.00	Network and Computer Systems Administrators	Bachelor's degree	78	19	4,600	2,393	153	0	0	282	92	14,780	11,682	471	70	8	27.66%	20.65%	31.12%	20.48%	32.48%	0.00%	0.00%
71	15-2031.00	Operations Research Analysts	Bachelor's degree	31	18	710	891	72	115	1	112	68	2,450	3,437	255	115	1	27.68%	26.47%	28.98%	25.92%	28.24%	100.00%	100.00%
72	15-1199.10	Search Marketing Strategists*	Bachelor's degree	42	5	2,860	4,355	134	18	1	103	6	7,520	33,233	436	18	1	40.78%	83.33%	38.03%	13.10%	30.73%	100.00%	100.00%
73	15-1132.00	Software Developers, Applications	Bachelor's degree	214	121	6,500	2,725	123	79	9	836	467	25,840	17,133	357	1,799	26	25.60%	25.91%	25.15%	15.90%	34.45%	4.39%	34.62%
74	15-1133.00	Software Developers, Systems Software	Bachelor's degree	31	12	1,340	399	41	48	4	120	42	5,430	1,480	128	344	7	25.83%	28.57%	24.68%	26.96%	32.03%	13.95%	57.14%
75	15-1199.01	Software Quality Assurance Engineers and Testers*	Bachelor's degree	42	5	2,860	4,355	134	36	2	103	6	7,520	33,233	436	211	6	40.78%	83.33%	38.03%	13.10%	30.73%	17.06%	33.33%
76	15-2041.00	Statisticians	Master's degree	8	5	170	106	19	6	1	44	28	880	474	68	6	1	18.18%	17.86%	19.32%	22.36%	27.94%	100.00%	100.00%
77	15-1143.01	Telecommunications Engineering Specialists*	Bachelor's degree	26	6	1,540	320	50	0	0	96	27	5,390	1,503	156	2	1	27.08%	22.22%	28.57%	21.29%	32.05%	0.00%	0.00%
78	15-1134.00	Web Developers	Associate's degree	62	41	1,610	1,312	106	23	2	205	138	5,230	9,883	312	520	7	30.24%	29.71%	30.78%	13.28%	33.97%	4.42%	28.57%
			Number of Occupations Cleveland Region	**1,271**	**503**	**54,980**	**46,646**	**2,015**	**688**	**35**														

Construction and Extraction Occupations

Ref.	Ext. SOC	In-Demand Occupation - 12	Typical Education Required for Entry*	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
79	47-2031.00	Carpenters	High school diploma or equivalent	208	96	9,780	39	13	33	2	623	287	29,210	130	43	676	15	33.39%	33.45%	33.48%	30.00%	30.23%	4.88%	13.33%
80	47-2051.00	Cement Masons and Concrete Finishers	Less Than High School	32	12	1,620	3	1	0	0	91	35	4,640	16	6	144	5	35.16%	34.29%	34.91%	18.75%	16.67%	0.00%	0.00%
81	47-2061.00	Construction Laborers	Less Than High School	409	140	13,510	40	16	35	1	1,129	411	35,980	346	61	998	7	36.23%	34.06%	37.55%	11.56%	26.23%	3.51%	14.29%
82	47-2111.00	Electricians	High school diploma or equivalent	235	103	8,650	163	38	19	3	628	270	23,460	700	121	584	16	37.42%	38.15%	36.87%	23.29%	31.40%	3.25%	18.75%
83	47-1011.00	First-Line Sup/Mgrs of Con. Trades/Extract. Work	High school diploma or equivalent	83	42	5,160	212	39	3	1	243	124	14,990	715	145	174	7	34.16%	33.87%	34.42%	29.65%	26.90%	1.72%	14.29%
84	47-3019.00	Helpers, Construction Trades, All Other	Less Than High School	0	0	0	0	0	0	0	11	5	440	775	3	24	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
85	47-3013.00	Helpers--Electricians	High school diploma or equivalent	10	6	320	0	0	0	0	34	20	1,110	76	6	159	2	29.41%	30.00%	28.83%	0.00%	0.00%	0.00%	0.00%
86	47-2073.00	Operating Engineers & Other Con. Equip. Op.	High school diploma or equivalent	103	24	4,760	11	6	0	0	313	78	14,110	102	25	249	4	32.91%	30.77%	33.73%	10.78%	24.00%	0.00%	0.00%
87	47-2141.00	Painters, Construction and Maintenance	Less Than High School	110	38	4,520	29	13	0	0	250	90	10,040	51	27	0	0	44.00%	42.22%	45.02%	56.86%	48.15%	0.00%	0.00%
88	47-2152.00	Plumbers, Pipefitters, and Steamfitters	High school diploma or equivalent	105	43	4,660	57	16	0	0	339	148	14,440	131	31	366	4	30.97%	29.05%	32.27%	43.51%	51.61%	0.00%	0.00%
89	47-2211.00	Sheet Metal Workers	High school diploma or equivalent	39	7	1,510	7	5	0	0	126	25	4,690	67	20	145	2	30.95%	28.00%	32.20%	10.45%	25.00%	0.00%	0.00%
90	47-2221.00	Structural Iron and Steel Workers	High school diploma or equivalent	13	0	790	2	2	0	0	38	2	2,190	16	5	99	2	34.21%	0.00%	36.07%	12.50%	40.00%	0.00%	0.00%
			Number of Occupations Cleveland Region	**1,347**	**511**	**55,280**	**563**	**149**	**90**	**7**														

Education, Training, and Library Occupations

Ref.	Ext. SOC	In-Demand Occupation - 2	Typical Education Required for Entry*	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
91	25-9031.01	Instructional Designers and Technologists*	Master's degree	21	11	1,080	157	24	0	0	48	23	2,560	527	82	1	1	43.75%	47.83%	42.19%	29.79%	29.27%	0.00%	0.00%
92	25-3021.00	Self-Enrichment Education Teachers	High school diploma or equivalent	109	38	3,790	0	0	0	0	300	118	9,630	7	4	0	0	36.33%	32.20%	39.36%	0.00%	0.00%	0.00%	0.00%
			Number of Occupations Cleveland Region	**130**	**49**	**4,870**	**157**	**24**	**0**	**0**														

Food Preparation and Serving Related Occupations

Ref.	Ext. SOC	In-Demand Occupation - 1	Typical Education Required for Entry*	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
93	35-1012.00	FL Sup/Mgrs of Food Prep. & Serving Workers	High school diploma or equivalent	444	69	12,630	977	29	0	0	1,325	308	34,250	4,528	105	30	1	33.51%	22.40%	36.88%	21.58%	27.62%	0.00%	0.00%
			Number of Occupations Cleveland Region	**444**	**69**	**12,630**	**977**	**29**	**0**	**0**														

Healthcare Practitioners and Technical Occupations

Ref.	Ext. SOC	In-Demand Occupation - 29	Typical Education Required for Entry*	Northeast Region	Statewide	Northeast Regional Percentage Share of Statewide Numbers

Northeast Regional Business Engagement Report

October 2017

				Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
94	29-2021.00	Dental Hygienists	Associate's degree	92	47	2,750	134	9	2	1	259	132	7,700	145	14	2	1	35.52%	35.61%	35.71%	92.41%	64.29%	100.00%	100.00%
95	29-1021.00	Dentists, General	Doctoral or professional degree	72	32	1,980	138	3	1	1	164	72	4,480	150	6	1	1	43.90%	44.44%	44.20%	92.00%	50.00%	100.00%	100.00%
96	29-2032.00	Diagnostic Medical Sonographers	Associate's degree	47	26	1,110	945	21	0	0	88	40	2,520	1,648	57	15	1	53.41%	65.00%	44.05%	57.34%	36.84%	0.00%	0.00%
97	29-2041.00	Emergency Medical Technicians and Paramedics	Certificate/Some college	165	99	4,050	1,409	18	0	0	395	231	10,020	1,818	45	0	0	41.77%	42.86%	40.42%	77.50%	40.00%	0.00%	0.00%
98	29-1062.00	Family and General Practitioners	Doctoral or professional degree	64	23	1,520	658	25	18	1	181	58	4,560	1,257	76	24	2	35.36%	39.66%	33.33%	52.35%	32.89%	75.00%	50.00%
99	29-2099.00	Health Technologists and Technicians, All Other	High school diploma or equivalent	64	45	1,930	1,253	24	0	0	151	105	4,670	1,830	61	0	0	42.38%	42.86%	41.33%	68.47%	39.34%	0.00%	0.00%
100	29-1063.00	Internists, General	Doctoral or professional degree	23	5	670	409	22	0	0	81	21	2,220	795	58	3	1	28.40%	23.81%	30.18%	51.45%	37.93%	0.00%	0.00%
101	29-2061.00	Licensed Practical and Licensed Vocational Nurses	Certificate/Some college	702	255	15,720	2,709	37	66	2	1,930	800	39,730	4,943	97	107	6	36.37%	31.88%	39.57%	54.80%	38.14%	61.68%	33.33%
102	29-2035.00	Magnetic Resonance Imaging Technologists	Associate's degree	14	4	530	142	17	0	0	49	20	1,520	252	41	1	1	28.57%	20.00%	34.87%	56.35%	41.46%	0.00%	0.00%
103	29-2012.00	Medical and Clinical Laboratory Technicians	Associate's degree	76	26	2,090	1,240	32	15	1	232	84	6,180	2,789	99	39	3	32.76%	30.95%	33.82%	44.46%	32.32%	38.46%	33.33%
104	29-2011.00	Medical and Clinical Laboratory Technologists	Bachelor's degree	81	24	2,400	1,749	28	300	1	232	77	6,480	3,075	77	705	10	34.91%	31.17%	37.04%	56.88%	36.36%	42.55%	10.00%
105	29-2071.00	Medical Records and Health Information Technicians	Certificate/Some college	122	48	3,310	3,832	49	0	0	283	104	7,980	6,243	136	130	2	43.11%	46.15%	41.48%	61.38%	36.03%	0.00%	0.00%
106	29-2033.00	Nuclear Medicine Technologists	Associate's degree	7	0	380	178	13	0	0	28	9	1,000	278	35	3	1	25.00%	0.00%	38.00%	64.03%	37.14%	0.00%	0.00%
107	29-1171.00	Nurse Practitioners	Master's degree	114	66	2,030	847	31	34	2	230	124	4,470	1,323	75	162	7	49.57%	53.23%	45.41%	64.02%	41.33%	20.99%	28.57%
108	29-9011.00	Occupational Health and Safety Specialists	Bachelor's degree	27	6	1,050	136	36	1	1	69	14	2,770	442	116	1	1	39.13%	42.86%	37.91%	30.77%	31.03%	100.00%	100.00%
109	29-1122.00	Occupational Therapists	Master's degree	77	44	1,720	850	28	0	0	214	124	4,650	2,494	59	75	2	35.98%	35.48%	36.99%	34.08%	47.46%	0.00%	0.00%
110	29-2081.00	Opticians, Dispensing	High school diploma or equivalent	45	19	970	32	1	0	0	144	60	3,150	128	5	0	0	31.25%	31.67%	30.79%	25.00%	20.00%	0.00%	0.00%
111	29-1051.00	Pharmacists	Doctoral or professional degree	99	3	4,110	3,892	28	0	0	314	39	11,770	5,904	82	170	2	31.53%	7.69%	34.92%	65.92%	34.15%	0.00%	0.00%
112	29-1123.00	Physical Therapists	Doctoral or professional degree	153	78	2,790	1,449	31	0	0	423	222	7,500	3,519	78	111	3	36.17%	35.14%	37.20%	41.18%	39.74%	0.00%	0.00%
113	29-1071.00	Physician Assistants	Master's degree	55	32	1,040	2,862	22	14	1	106	59	2,090	3,394	64	14	1	51.89%	54.24%	49.76%	84.33%	34.38%	100.00%	100.00%
114	29-1069.00	Physicians and Surgeons, All Other	Doctoral or professional degree	332	114	8,100	1,001	21	631	2	710	255	16,910	2,119	67	665	4	46.76%	44.71%	47.90%	47.24%	31.34%	94.89%	50.00%
115	29-1066.00	Psychiatrists	Doctoral or professional degree	21	8	470	146	23	37	4	63	27	1,360	319	55	110	8	33.33%	29.63%	34.56%	45.77%	41.82%	33.64%	50.00%
116	29-2034.00	Radiologic Technologists	Associate's degree	83	19	3,360	2,728	26	30	2	259	88	9,050	3,993	67	93	2	32.05%	21.59%	37.13%	68.32%	38.81%	32.26%	100.00%
117	29-1141.00	Registered Nurses	Bachelor's degree	1,897	731	49,430	9,335	74	7,024	8	4,833	1,777	129,550	29,481	206	15,260	26	39.25%	41.14%	38.16%	31.66%	35.92%	46.03%	30.77%
118	29-1126.00	Respiratory Therapists	Associate's degree	75	22	2,250	1,634	24	45	1	194	56	5,880	2,677	57	57	2	38.66%	39.29%	38.27%	61.04%	42.11%	78.95%	50.00%
119	29-1127.00	Speech-Language Pathologists	Master's degree	99	48	2,020	637	20	0	0	269	135	5,320	1,670	50	0	0	36.80%	35.56%	37.97%	38.14%	40.00%	0.00%	0.00%
120	29-2099.07	Surgical Assistants*	Certificate/Some College	64	45	1,930	1,253	24	0	0	151	105	4,670	1,830	61	15	1	42.38%	42.86%	41.33%	68.47%	39.34%	0.00%	0.00%
121	29-2055.00	Surgical Technologists	Certificate/Some college	31	17	1,450	1,674	22	0	0	84	46	3,820	2,799	59	185	2	36.90%	36.96%	37.96%	59.81%	37.29%	0.00%	0.00%
122	29-2056.00	Veterinary Technologists and Technicians	Associate's degree	25	17	790	31	3	0	0	98	66	3,280	87	13	0	0	25.51%	25.76%	24.09%	35.63%	23.08%	0.00%	0.00%
			Number of Occupations Cleveland Region	**4,726**	**1,903**	**121,950**	**43,303**	**712**	**8,218**	**28**														

Healthcare Support Occupations

Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry[1]	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
123	31-9091.00	Dental Assistants	Certificate/Some college	161	66	3,820	276	12	1	1	409	167	9,800	333	18	1	1	39.36%	39.52%	38.98%	82.88%	66.67%	100.00%	100.00%
124	31-9099.00	Healthcare Support Workers, All Other	High school diploma or equivalent	45	19	1,230	1,198	26	15	1	102	37	3,100	1,658	61	33	3	44.12%	51.35%	39.68%	72.26%	42.62%	45.45%	33.33%
125	31-9011.00	Massage Therapists	Certificate/Some college	39	30	1,220	27	8	0	0	122	94	3,740	61	17	0	0	31.97%	31.91%	32.62%	44.26%	47.06%	0.00%	0.00%
126	31-9092.00	Medical Assistants	Certificate/Some college	336	170	7,960	8,383	39	1,185	3	911	468	21,240	13,236	113	2,565	10	36.88%	36.32%	37.48%	63.33%	34.51%	46.20%	30.00%
127	31-1014.00	Nursing Assistants	Certificate/Some college	1,021	413	26,940	6,057	31	1,936	5	2,711	1,107	71,020	8,786	77	2,310	9	37.66%	37.31%	37.93%	68.94%	40.26%	83.81%	55.56%
128	31-2011.00	Occupational Therapist Assistants	Associate's degree	71	44	920	296	22	0	0	177	110	2,300	788	45	0	0	40.11%	40.00%	40.00%	37.56%	48.89%	0.00%	0.00%
129	31-9097.00	Phlebotomists	Certificate/Some college	71	33	1,800	504	17	40	2	190	88	4,890	2,043	50	100	3	37.37%	37.50%	36.81%	24.67%	34.00%	40.00%	66.67%
130	31-2021.00	Physical Therapist Assistants	Associate's degree	159	92	2,320	463	20	0	0	339	195	4,990	1,137	49	0	0	46.90%	47.18%	46.49%	40.72%	40.82%	0.00%	0.00%
			Number of Occupations Cleveland Region	**1,903**	**867**	**46,210**	**17,204**	**175**	**3,177**	**12**														

Installation, Maintenance, and Repair Occupations

Ref.	Ext. SOC	In-Demand Occupation - 18	Typical Education Required for Entry[1]	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
131	49-3011.00	Aircraft Mechanics and Service Technicians	Certificate/Some college	27	4	970	57	12	35	3	98	22	3,210	161	33	410	4	27.55%	18.18%	30.22%	35.40%	36.36%	8.54%	75.00%
132	49-3021.00	Automotive Body and Related Repairers	High school diploma or equivalent	76	20	2,420	14	7	0	0	210	58	6,630	43	19	10	1	36.19%	34.48%	36.50%	32.56%	36.84%	0.00%	0.00%
133	49-3023.00	Automotive Service Technicians and Mechanics	Certificate/Some college	378	62	11,800	57	25	0	0	857	126	27,290	2,782	89	88	2	44.11%	49.21%	43.24%	2.05%	28.09%	0.00%	0.00%
134	49-2091.00	Avionics Technicians	Associate's degree	0	0	0	24	7	0	0	10	2	450	39	13	60	1	0.00%	0.00%	0.00%	61.54%	53.85%	0.00%	0.00%
135	49-3031.00	Bus & Truck Mechanics & Diesel Engine Spec.	High school diploma or equivalent	93	29	3,750	1,153	39	15	2	325	118	12,040	3,078	148	124	7	28.62%	24.58%	31.15%	37.46%	26.35%	12.10%	28.57%
136	49-2093.00	Electrical/Electronics Install/Repair, Trans. Equip.	Certificate/Some college	3	1	110	0	0	0	0	9	2	430	1	1	185	1	33.33%	50.00%	25.58%	0.00%	0.00%	0.00%	0.00%
137	49-2094.00	Electrical/Electronics Repair, Comm/Indus Equip.	Certificate/Some college	14	2	670	35	13	6	1	46	6	2,290	180	65	60	6	30.43%	33.33%	29.26%	19.44%	20.00%	10.00%	16.67%
138	49-2095.00	Electrical/Electronics Repair, Pwrhse/Substa/Rly	Certificate/Some college	5	0	300	0	0	0	0	12	0	690	3	2	35	1	41.67%	0.00%	43.48%	0.00%	0.00%	0.00%	0.00%
139	49-9051.00	Electrical Power-Line Installers and Repairers	High school diploma or equivalent	48	0	1,200	6	1	43	1	184	18	4,180	310	8	192	3	26.09%	0.00%	28.71%	1.94%	12.50%	22.40%	33.33%
140	49-1011.00	FL Sup/Mgrs of Mechanics/Installers/Repairers	High school diploma or equivalent	141	24	5,870	1,119	135	25	2	403	80	16,180	4,595	441	65	6	34.99%	30.00%	36.28%	24.35%	30.61%	38.46%	33.33%
141	49-9021.00	Heating, AC, & Refrigeration Mechanics/Installers	Certificate/Some college	117	58	3,860	82	18	0	0	298	147	9,890	353	76	188	7	39.26%	39.46%	39.03%	23.23%	23.68%	0.00%	0.00%
142	49-9041.00	Industrial Machinery Mechanics	High school diploma or equivalent	261	107	5,950	257	86	10	3	736	301	16,780	1,121	235	76	11	35.46%	35.55%	35.46%	22.93%	36.60%	13.16%	27.27%
143	49-9071.00	Maintenance and Repair Workers, General	High school diploma or equivalent	615	79	20,450	2,203	208	331	5	1,638	247	53,070	7,176	638	460	19	37.55%	31.98%	38.53%	30.70%	32.60%	71.96%	26.32%
144	49-9043.00	Maintenance Workers, Machinery	High school diploma or equivalent	35	11	1,470	6	2	47	7	104	33	4,420	12	6	116	18	33.65%	33.33%	33.26%	50.00%	33.33%	40.52%	38.89%
145	49-9062.00	Medical Equipment Repairers	Associate's degree	18	3	850	240	22	0	0	54	11	2,400	513	65	15	1	33.33%	27.27%	35.42%	46.78%	33.85%	0.00%	0.00%
146	49-9044.00	Millwrights	High school diploma or equivalent	25	9	800	2	1	0	0	98	38	2,990	23	5	68	2	25.51%	23.68%	26.76%	8.70%	20.00%	0.00%	0.00%
147	49-3042.00	Mobile Heavy Equipment Mechanics, Except Engines	High school diploma or equivalent	38	6	1,360	17	6	1	1	85	12	3,090	195	36	37	3	44.71%	50.00%	44.01%	8.72%	16.67%	2.70%	33.33%
148	49-2022.00	Telecomm. Equip. Install/Repair, ex. Line Install	Certificate/Some College	29	0	3,170	44	15	0	0	63	0	6,970	2,085	50	2	1	46.03%	0.00%	45.48%	2.11%	30.00%	0.00%	0.00%
			Number of Occupations Cleveland Region	**1,923**	**415**	**65,000**	**5,316**	**597**	**513**	**25**														

Legal Occupations

Ref.	Ext. SOC	In-Demand Occupation - 2	Typical Education Required for Entry[1]	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted

Northeast Regional Business Engagement Report

October 2017

149	23-1011.00	Lawyers	Doctoral or professional degree	160	43	8,010	381	47	0	0	406	111	20,180	1,659	142	0	0	39.41%	38.74%	39.69%	22.97%	33.10%	0.00%	0.00%
150	23-2011.00	Paralegals and Legal Assistants	Associate's degree	88	22	3,000	197	34	6	2	221	61	7,300	542	109	6	2	39.82%	36.07%	41.10%	36.35%	31.19%	100.00%	100.00%
			Number of Occupations Cleveland Region	**248**	**65**	**11,010**	**578**	**81**	**6**	**2**														

Life, Physical, and Social Science Occupations

Ref.	Ext. SOC	In-Demand Occupation - 6	Typical Education Required for Entry^	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
151	19-4021.00	Biological Technicians	Bachelor's degree	23	4	690	288	23	0	0	117	30	3,120	1,404	76	3	1	19.66%	13.33%	22.12%	20.51%	30.26%	0.00%	0.00%
152	19-2031.00	Chemists	Bachelor's degree	44	4	1,800	317	29	0	0	85	4	3,680	760	84	58	4	51.76%	100.00%	48.91%	41.71%	34.52%	0.00%	0.00%
153	19-3031.00	Clinical, Counseling, and School Psychologists	Doctoral or professional degree	72	34	1,790	85	10	11	1	189	94	4,450	263	30	23	3	38.10%	36.17%	40.22%	32.32%	33.33%	47.83%	33.33%
154	19-1012.00	Food Scientists and Technologists	Bachelor's degree	3	0	100	122	10	0	0	26	2	680	280	42	1	1	11.54%	0.00%	14.71%	43.57%	23.81%	0.00%	0.00%
155	19-2032.00	Materials Scientists	Bachelor's degree	7	0	330	24	6	0	0	13	3	480	270	28	9	2	53.85%	0.00%	68.75%	8.89%	21.43%	0.00%	0.00%
156	19-4099.01	Quality Control Analysts*	Associate's degree	39	1	900	33	16	3	1	73	8	1,560	173	61	68	5	53.42%	12.50%	57.69%	19.08%	26.23%	4.41%	20.00%
			Number of Occupations Cleveland Region	**188**	**43**	**5,610**	**869**	**94**	**14**	**2**														

Management Occupations

Ref.	Ext. SOC	In-Demand Occupation - 22	Typical Education Required for Entry^	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
157	11-3011.00	Administrative Services Managers	Bachelor's degree	97	23	3,930	113	32	0	0	276	72	10,930	286	102	0	0	35.14%	31.94%	35.96%	39.51%	31.37%	0.00%	0.00%
158	11-9041.00	Architectural and Engineering Managers	Bachelor's degree	81	4	2,510	416	76	5	1	226	14	6,900	1,807	226	6	2	35.84%	28.57%	36.38%	23.02%	33.63%	83.33%	50.00%
159	11-9041.01	Biofuels/Biodiesel Technology & Product Development Managers*	Bachelor's degree	81	4	2,510	416	76	0	0	226	14	6,900	1,807	226	1	1	35.84%	28.57%	36.38%	23.02%	33.63%	0.00%	0.00%
160	11-3021.00	Computer and Information Systems Managers	Bachelor's degree	93	53	3,370	2,186	105	0	0	359	213	12,410	7,000	316	4	2	25.91%	24.88%	27.16%	31.23%	33.23%	0.00%	0.00%
161	11-9021.00	Construction Managers	Bachelor's degree	100	27	5,250	191	32	9	2	271	73	14,170	810	122	258	11	36.90%	36.99%	37.05%	23.58%	26.23%	3.49%	18.18%
162	11-9013.00	Farmers, Ranchers, and Other Agricultural Managers	High school diploma or equivalent	293	0	17,220	12	2	0	0	1,293	0	75,880	72	5	0	0	22.66%	0.00%	22.69%	16.67%	40.00%	0.00%	0.00%
163	11-3031.00	Financial Managers	Bachelor's degree	231	43	7,940	4,826	154	19	5	621	110	21,580	17,062	455	958	12	37.20%	39.09%	36.79%	28.29%	33.85%	1.98%	41.67%
164	11-9051.00	Food Service Managers	High school diploma or equivalent	112	18	4,670	271	14	0	0	333	52	13,970	1,645	57	60	1	33.63%	34.62%	33.43%	16.47%	24.56%	0.00%	0.00%
165	11-1021.00	General and Operations Managers	Bachelor's degree	717	103	24,280	2,301	132	8	2	1,904	296	63,520	9,384	439	67	9	37.66%	34.80%	38.22%	24.52%	30.07%	11.94%	22.22%
166	11-3121.00	Human Resources Managers	Bachelor's degree	53	12	1,400	1,732	184	0	0	163	37	4,320	5,848	575	7	3	32.52%	32.43%	32.41%	29.62%	32.00%	0.00%	0.00%
167	11-3051.00	Industrial Production Managers	Bachelor's degree	141	0	4,990	341	84	5	3	346	0	12,210	1,207	265	27	10	40.75%	0.00%	40.87%	28.25%	31.70%	18.52%	30.00%
168	11-9199.08	Loss Prevention Managers*	High school diploma or equivalent	269	43	10,260	2,057	156	0	0	762	118	29,190	8,360	452	0	0	35.30%	36.44%	35.15%	24.61%	34.51%	0.00%	0.00%
169	11-9199.00	Managers, All Other	Bachelor's degree	269	43	10,260	2,057	156	15	4	762	118	29,190	8,360	452	46	8	35.30%	36.44%	35.15%	24.61%	34.51%	32.61%	50.00%
170	11-2021.00	Marketing Managers	Bachelor's degree	58	15	1,830	3,651	179	16	2	173	44	5,440	18,404	487	39	6	33.53%	34.09%	33.64%	19.84%	36.76%	41.03%	33.33%
171	11-9111.00	Medical and Health Services Managers	Bachelor's degree	251	92	6,300	6,393	67	33	3	698	285	16,340	14,251	192	33	3	35.96%	32.28%	38.56%	44.86%	34.90%	100.00%	100.00%
172	11-9121.00	Natural Sciences Managers	Bachelor's degree	9	1	400	579	31	5	1	27	3	1,140	2,164	96	17	3	33.33%	33.33%	35.09%	26.76%	32.29%	29.41%	33.33%
173	11-9141.00	Property, Real Estate & Community Assn Mgrs	High school diploma or equivalent	88	21	3,830	101	24	0	0	237	58	10,300	564	93	0	0	37.13%	36.21%	37.18%	17.91%	25.81%	0.00%	0.00%
174	11-3061.00	Purchasing Managers	Bachelor's degree	27	2	1,040	806	94	5	2	68	2	2,780	3,537	283	383	5	39.71%	100.00%	37.41%	22.79%	33.22%	1.31%	40.00%
175	11-2022.00	Sales Managers	Bachelor's degree	148	21	5,380	2,171	151	17	5	396	58	14,300	8,246	423	71	12	37.37%	36.21%	37.62%	26.33%	35.70%	23.94%	41.67%
176	11-9151.00	Social and Community Service Managers	Bachelor's degree	68	16	1,980	277	37	18	2	156	34	4,590	682	103	51	3	43.59%	47.06%	43.14%	40.62%	35.92%	35.29%	66.67%
177	11-9199.04	Supply Chain Managers*	High school diploma or equivalent	269	43	10,260	2,057	156	0	0	762	118	29,190	8,360	452	0	0	35.30%	36.44%	35.15%	24.61%	34.51%	0.00%	0.00%
178	11-3071.01	Transportation Managers*	High school diploma or equivalent	46	4	1,890	349	84	0	0	133	16	5,310	1,669	288	4	1	34.59%	25.00%	35.59%	20.91%	29.17%	0.00%	0.00%
			Number of Occupations Cleveland Region	**3,501**	**588**	**131,500**	**33,303**	**2,026**	**155**	**32**														

Office and Administrative Support Occupations

Ref.	Ext. SOC	In-Demand Occupation - 20	Typical Education Required for Entry^	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
179	43-3011.00	Bill and Account Collectors	High school diploma or equivalent	115	0	4,720	710	67	3	1	404	0	16,540	2,775	205	1,643	3	28.47%	0.00%	28.54%	25.59%	32.68%	0.18%	33.33%
180	43-3021.00	Billing and Posting Clerks	High school diploma or equivalent	256	90	7,950	800	54	0	0	817	304	24,540	1,541	144	6	1	31.33%	29.61%	32.40%	51.91%	37.50%	0.00%	0.00%
181	43-3031.00	Bookkeeping, Accounting, and Auditing Clerks	Certificate/Some college	226	0	23,060	1,148	187	2	1	640	0	65,250	3,809	550	206	7	35.31%	0.00%	35.34%	30.14%	34.00%	0.97%	14.29%
182	43-4051.00	Customer Service Representatives	High school diploma or equivalent	710	123	23,840	7,118	211	372	15	2,474	489	80,620	21,961	573	7,848	32	28.70%	25.15%	29.57%	32.41%	36.82%	4.74%	46.88%
183	43-5032.00	Dispatchers, Except Police, Fire, and Ambulance	High school diploma or equivalent	85	10	2,990	80	23	51	2	233	38	7,810	471	89	62	3	36.48%	26.32%	38.28%	16.99%	25.84%	82.26%	66.67%
184	43-6011.00	Executive Secretaries and Administrative Assistants	High school diploma or equivalent	99	0	9,420	2,514	170	0	0	301	0	28,560	6,835	541	0	0	32.89%	0.00%	32.98%	36.78%	31.42%	0.00%	0.00%
185	43-1011.00	First-Line Sup/Mgrs of Office & Admin. Support	High school diploma or equivalent	0	0	0	6,686	188	14	3	982	321	43,780	21,026	590	15	4	0.00%	0.00%	0.00%	31.80%	31.86%	93.33%	75.00%
186	43-4161.00	Human Resources Assis., ex. Payroll & Timekp	Associate's degree	18	0	1,620	564	98	0	0	56	0	4,990	1,516	299	1	1	32.14%	0.00%	32.46%	37.20%	32.78%	0.00%	0.00%
187	43-9041.00	Insurance Claims and Policy Processing Clerks	High school diploma or equivalent	165	25	5,590	111	20	0	0	511	74	17,460	427	61	400	1	32.29%	33.78%	32.02%	26.00%	32.79%	0.00%	0.00%
188	43-4111.00	Interviewers, Except Eligibility and Loan	High school diploma or equivalent	85	13	3,180	1,888	27	0	0	274	61	9,330	2,518	69	0	0	31.02%	21.31%	34.08%	74.98%	39.13%	0.00%	0.00%
189	43-4131.00	Loan Interviewers and Clerks	High school diploma or equivalent	52	14	2,470	269	20	5	1	205	61	9,380	782	62	35	4	25.37%	22.95%	26.33%	34.40%	32.26%	14.29%	25.00%
190	43-6013.00	Medical Secretaries	High school diploma or equivalent	481	310	16,190	7,908	43	0	0	1,147	738	38,770	11,172	116	0	0	41.94%	42.01%	41.76%	70.78%	37.07%	0.00%	0.00%
191	43-4141.00	New Accounts Clerks	High school diploma or equivalent	25	0	1,020	308	16	2	1	54	0	2,210	420	35	2	1	46.30%	0.00%	46.15%	73.33%	45.71%	100.00%	100.00%
192	43-9199.00	Office and Administrative Support Workers, All Other	High school diploma or equivalent	69	17	1,950	70	20	6	3	199	50	5,550	354	82	18	5	34.67%	34.00%	35.14%	19.77%	24.39%	33.33%	60.00%
193	43-9061.00	Office Clerks, General	High school diploma or equivalent	864	61	37,240	1,150	102	6	1	2,495	249	104,140	3,898	358	6	1	34.63%	24.50%	35.76%	29.50%	28.49%	100.00%	100.00%
194	43-4151.00	Order Clerks	High school diploma or equivalent	100	0	3,680	131	37	0	0	328	4	11,940	462	107	0	0	30.49%	0.00%	30.82%	28.35%	34.58%	0.00%	0.00%
195	43-3051.00	Payroll and Timekeeping Clerks	High school diploma or equivalent	74	0	2,740	195	48	2	1	182	0	6,790	489	165	3	2	40.66%	0.00%	40.35%	39.88%	29.09%	66.67%	50.00%
196	43-5061.00	Production, Planning, and Expediting Clerks	High school diploma or equivalent	153	16	5,060	517	106	25	1	412	49	13,390	2,208	340	25	1	37.14%	32.65%	37.79%	23.41%	31.18%	100.00%	100.00%
197	43-6014.00	Secretaries, Except Legal, Medical, and Executive	High school diploma or equivalent	337	42	27,990	658	101	0	0	939	158	74,040	1,801	341	13	4	35.89%	26.58%	37.80%	36.54%	29.62%	0.00%	0.00%
198	43-5071.00	Shipping, Receiving, and Traffic Clerks	High school diploma or equivalent	289	0	13,300	291	80	30	1	827	32	36,600	1,540	245	36	2	34.95%	0.00%	36.34%	18.90%	32.65%	83.33%	50.00%
			Number of Occupations Cleveland Region	**4,203**	**721**	**194,010**	**33,116**	**1,618**	**518**	**31**														

Personal Care & Services

Ref.	Ext. SOC	In-Demand Occupation - 1	Typical Education Required for Entry^	Northeast Region	Statewide	Northeast Regional Percentage Share of Statewide Numbers

Northeast Regional Business Engagement Report

October 2017

				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
199	39-9041.00	Residential Advisors	High school diploma or equivalent	59	25	1,120	4	4	0	0	131	53	2,570	10	8	0	0	45.04%	47.17%	43.58%	40.00%	50.00%	0.00%	0.00%
			Number of Occupations Cleveland Region	**59**	**25**	**1,120**	**4**	**4**	**0**	**0**														

Production Occupations

Ref.	Ext. SOC	In-Demand Occupation - 20	Typical Education Required for Entry[1]	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
200	51-2099.00	Assemblers and Fabricators, All Other	High school diploma or equivalent	153	0	7,110	50	18	10	2	524	55	21,840	230	63	252	5	29.20%	0.00%	32.55%	21.74%	28.57%	3.97%	40.00%
201	51-9011.00	Chemical Equipment Operators/Tenders	High school diploma or equivalent	0	0	0	0	0	0	0	94	0	3,000	2	2	19	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
202	51-8091.00	Chemical Plant and System Operators	High school diploma or equivalent	25	0	670	36	9	0	0	70	0	1,850	144	29	33	3	35.71%	0.00%	36.22%	25.00%	31.03%	0.00%	0.00%
203	51-4012.00	Computer Numerically Controlled Machine Tool Prog., M/P	High school diploma or equivalent	36	13	760	39	14	23	1	67	25	1,380	110	41	31	2	53.73%	52.00%	55.07%	35.45%	34.15%	74.19%	50.00%
204	51-4011.00	Computer-Controlled Machine Tool Oper., M/P	High school diploma or equivalent	268	93	5,770	314	49	30	2	608	230	12,430	715	134	173	4	44.08%	40.43%	46.42%	43.92%	36.57%	17.34%	50.00%
205	51-4031.00	Cutting/Punching/Press Machine S/O/T, M/P	High school diploma or equivalent	114	0	8,990	63	18	55	2	220	0	17,350	180	57	76	4	51.82%	0.00%	51.82%	35.00%	31.58%	72.37%	50.00%
206	51-2022.00	Electrical and Electronic Equipment Assemblers	High school diploma or equivalent	46	0	3,770	139	23	0	0	102	0	8,250	449	79	20	2	45.10%	0.00%	45.70%	30.96%	29.11%	0.00%	0.00%
207	51-2031.00	Engine and Other Machine Assemblers	High school diploma or equivalent	0	0	0	3	2	10	1	79	0	3,950	6	5	10	1	0.00%	0.00%	0.00%	50.00%	40.00%	100.00%	100.00%
208	51-9041.00	Extrud/Form/Pressing/Compacting Mach. S/O/T	High school diploma or equivalent	95	0	2,640	9	5	37	2	201	0	5,620	19	12	57	3	47.26%	0.00%	46.98%	47.37%	41.67%	64.91%	66.67%
209	51-1011.00	FL Sup/Mgrs of Production/Operating Workers	High school diploma or equivalent	183	0	11,580	3,772	221	54	7	448	0	28,320	13,228	647	217	26	40.85%	0.00%	40.89%	28.52%	34.16%	24.88%	26.92%
210	51-9198.00	Helpers--Production Workers	Less Than High School	229	0	7,020	468	93	40	2	665	0	20,390	1,812	280	160	8	34.44%	0.00%	34.43%	25.83%	33.21%	25.00%	25.00%
211	51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers	High school diploma or equivalent	274	0	10,910	272	85	15	3	621	0	24,710	1,139	237	18	4	44.12%	0.00%	44.15%	23.88%	35.86%	83.33%	75.00%
212	51-4041.00	Machinists	High school diploma or equivalent	430	98	11,470	505	86	72	8	1,150	304	29,270	1,586	217	633	20	37.39%	32.24%	39.19%	31.84%	39.63%	11.37%	40.00%
213	51-9111.00	Packaging and Filling Machine Operators/Tenders	High school diploma or equivalent	287	20	7,480	117	41	0	0	773	60	19,990	1,349	138	223	4	37.13%	33.33%	37.42%	8.67%	29.71%	0.00%	0.00%
214	51-9122.00	Painters, Transportation Equipment	High school diploma or equivalent	13	3	520	4	4	0	0	39	9	1,580	17	9	6	1	33.33%	33.33%	32.91%	23.53%	44.44%	0.00%	0.00%
215	51-9199.00	Production Workers, All Other	High school diploma or equivalent	91	0	4,440	138	41	351	5	310	42	13,070	388	125	867	14	29.35%	0.00%	33.97%	35.57%	32.80%	40.48%	35.71%
216	51-2092.00	Team Assemblers	High school diploma or equivalent	0	0	0	91	25	0	0	1,479	20	67,960	371	84	593	3	0.00%	0.00%	0.00%	24.53%	29.76%	0.00%	0.00%
217	51-4111.00	Tool and Die Makers	High school diploma or equivalent	22	0	4,450	78	26	18	2	55	0	11,080	380	94	59	8	40.00%	0.00%	40.16%	20.53%	27.66%	30.51%	25.00%
218	51-8031.00	Water/Liquid Waste Treatment Plant/System Op.	High school diploma or equivalent	44	6	1,500	23	4	0	0	128	18	4,310	71	18	2	1	34.38%	33.33%	34.80%	32.39%	22.22%	0.00%	0.00%
219	51-4121.00	Welders, Cutters, Solderers, and Brazers	High school diploma or equivalent	190	0	6,640	157	36	139	6	455	6	15,670	556	102	779	17	41.76%	0.00%	42.37%	28.24%	35.29%	17.84%	35.29%
			Number of Occupations Cleveland Region	**2,500**	**233**	**95,720**	**6,278**	**800**	**854**	**43**														

Sales and Related Occupations

Ref.	Ext. SOC	In-Demand Occupation - 9	Typical Education Required for Entry[1]	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
220	41-1012.00	First-Line Sup./Mgrs of Non-Retail Sales Workers	High school diploma or equivalent	86	26	5,200	1,018	105	0	0	231	73	13,760	4,406	333	0	0	37.23%	35.62%	37.79%	23.10%	31.53%	0.00%	0.00%
221	41-1011.00	First-Line Superv./Mgrs of Retail Sales Workers	High school diploma or equivalent	464	16	20,030	4,344	65	5	1	1,274	44	55,030	16,081	207	5	1	36.42%	36.36%	36.40%	27.01%	31.40%	100.00%	100.00%
222	41-3021.00	Insurance Sales Agents	High school diploma or equivalent	213	41	6,570	1,036	35	0	0	581	110	17,940	3,245	102	0	0	36.66%	37.27%	36.62%	31.93%	34.31%	0.00%	0.00%
223	41-2022.00	Parts Salespersons	Less Than High School	116	28	3,990	10	4	0	0	285	53	10,440	631	13	1	1	40.70%	52.83%	38.22%	1.58%	30.77%	0.00%	0.00%
224	41-9031.00	Sales Engineers	Bachelor's degree	49	7	1,640	998	80	15	3	91	13	3,030	2,806	192	43	11	53.85%	53.85%	54.13%	35.57%	41.67%	34.88%	27.27%
225	41-3099.00	Sales Representatives, Services, All Other	High school diploma or equivalent	301	73	10,700	1,273	77	44	7	850	224	29,380	7,974	233	63	11	35.41%	32.59%	36.42%	15.96%	33.05%	69.84%	63.64%
226	41-4012.00	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	High school diploma or equivalent	438	60	18,380	2,632	150	3	1	1,202	199	48,760	7,580	389	19	4	36.44%	30.15%	37.69%	34.72%	38.56%	15.79%	25.00%
227	41-4011.00	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	Bachelor's degree	237	66	8,300	2,500	97	19	2	610	132	23,220	11,666	278	56	7	38.85%	50.00%	35.75%	21.43%	34.89%	33.93%	28.57%
228	41-3031.00	Securities/Commodities/Fin. Serv. Sales Agents	Bachelor's degree	93	30	3,650	4,356	48	0	0	272	79	11,200	13,650	142	500	2	34.19%	37.97%	32.59%	31.91%	33.80%	0.00%	0.00%
			Number of Occupations Cleveland Region	**1,997**	**347**	**78,460**	**18,167**	**661**	**86**	**14**														

Transportation and Material Moving Occupations

Ref.	Ext. SOC	In-Demand Occupation - 8	Typical Education Required for Entry[1]	Northeast Region							Statewide							Northeast Regional Percentage Share of Statewide Numbers						
				Regional Annual Openings	Regional Growth Openings	2014 Regional Employment	Regional OMJ Trend Data	Number of Employers (OMJ)	Regional Forecast Data	Number of Employers (Forecast)	Statewide Annual Openings	Statewide Annual Growth Openings	2014 Statewide Employment	Statewide 4-Year OMJ Trend Data	No. of Employers (OMJ)	Statewide Forecast Data	No. of Employers Forecasted	Total Annual Openings	Annual Growth Openings	2014 Regional Employment	OMJ 4-Year Trend Data	Number of OMJ Employers	Forecast Data	Number of Employers Forecasted
229	53-6051.01	Aviation Inspectors*	High school diploma or equivalent	10	1	350	24	4	25	1	21	1	770	82	11	40	2	47.62%	100.00%	45.45%	29.27%	36.36%	62.50%	50.00%
230	53-3022.00	Bus Drivers, School or Special Client	High school diploma or equivalent	95	40	4,220	38	12	0	0	282	106	13,420	325	40	25	1	33.69%	37.74%	31.45%	11.69%	30.00%	0.00%	0.00%
231	53-2012.00	Commercial Pilots	High school diploma or equivalent	34	16	730	27	10	12	1	144	65	3,260	50	21	12	1	23.61%	24.62%	22.39%	54.00%	47.62%	100.00%	100.00%
232	53-1021.00	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	High school diploma or equivalent	72	4	2,130	52	12	0	0	233	10	6,970	212	50	0	0	30.90%	40.00%	30.56%	24.53%	24.00%	0.00%	0.00%
233	53-1031.00	FL Sup/Mgr of Trans/Mat.-Mov. Mach & Veh Op	High school diploma or equivalent	87	1	2,670	1,296	99	1	1	292	19	8,510	5,922	364	5	1	29.79%	5.26%	31.37%	21.88%	27.20%	20.00%	100.00%
234	53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	Certificate/Some college	528	108	24,720	2,690	66	324	4	1,597	353	73,110	16,734	228	1,873	14	33.06%	30.59%	33.81%	16.08%	28.95%	17.30%	28.57%
235	53-7051.00	Industrial Truck and Tractor Operators	Less Than High School	178	2	7,060	97	25	15	2	630	13	24,790	1,864	147	55	3	28.25%	15.38%	28.48%	5.20%	17.01%	27.27%	66.67%
236	53-3033.00	Truck Drivers, Light or Delivery Services	High school diploma or equivalent	233	21	12,490	569	63	0	0	624	56	33,410	6,001	177	406	4	37.34%	37.50%	37.38%	9.48%	35.59%	0.00%	0.00%
			Number of Occupations Cleveland Region	**1,237**	**193**	**54,370**	**4,793**	**291**	**377**	**9**														

Number of Occupations Northeast Region	**224**	**179**	**224**	**230**	**230**	**128**	**128**
Number of In-Demand Occupations	**236**	**236**	**236**	**236**	**236**	**236**	**236**
Percentage of In-Demand in Northeast Region	**94.92%**	**75.85%**	**94.92%**	**97.46%**	**97.46%**	**54.24%**	**54.24%**

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

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

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

*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.