

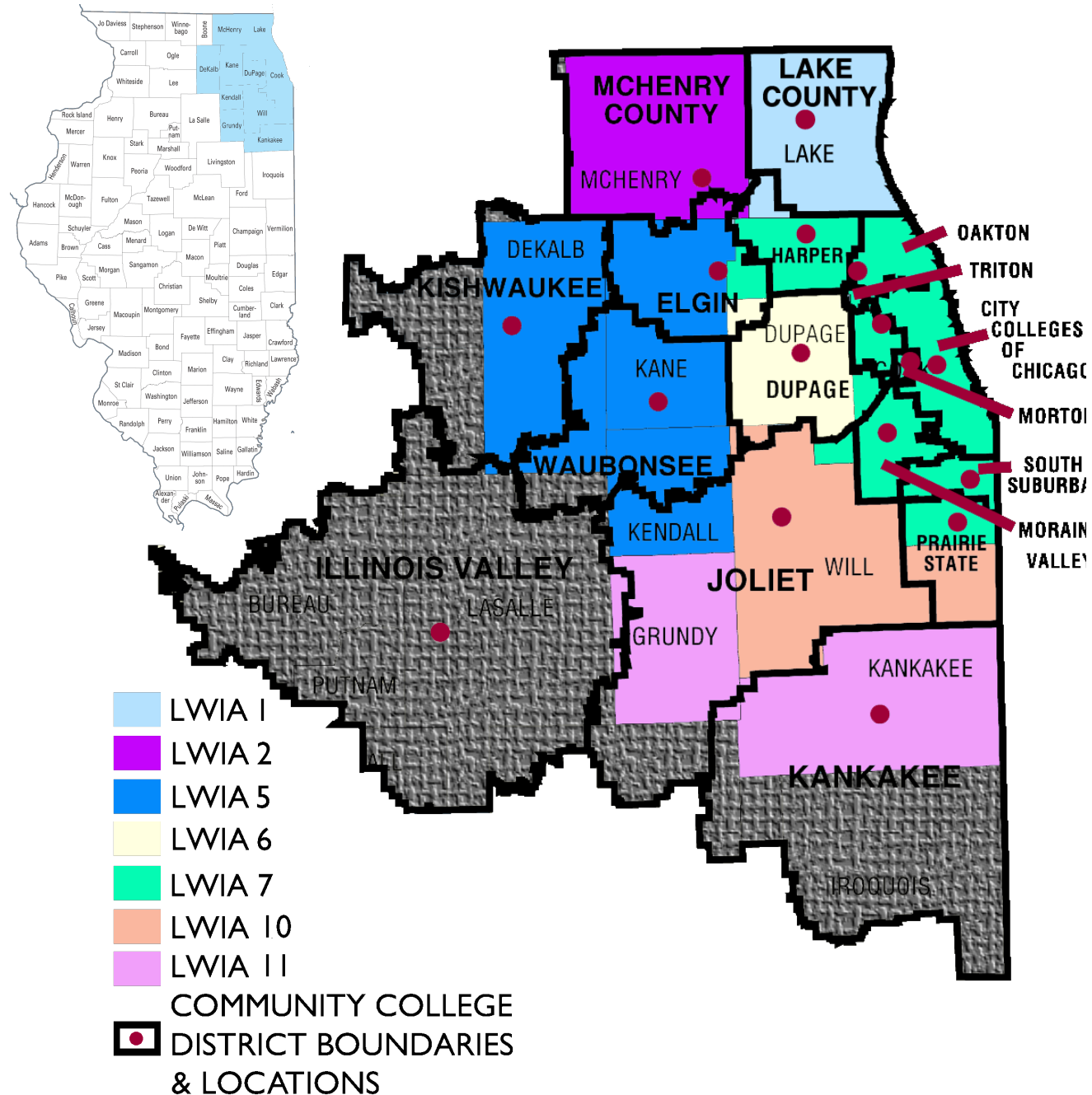
NORTHEAST ECONOMIC DEVELOPMENT REGION

Northeast EDR Counties	2013 Population Estimates	Percent of EDR Population
Cook	5,240,700	60%
DeKalb	104,741	1%
DuPage	932,126	11%
Grundy	50,228	1%
Kane	523,643	6%
Kankakee	112,120	1%
Kendall	119,348	1%
Lake	703,019	8%
McHenry	307,409	4%
Will	682,829	8%
Total Population	8,776,163	

Source: US Census Bureau Annual County Resident Population Estimates for 2013

Northeast EDR Population Centers	2013 Population Estimates	Percent of EDR Population
Chicago	2,718,782	31%
Aurora	199,963	2%
Joliet	147,806	2%
Naperville	144,864	2%
Elgin	110,145	1%
Waukegan	88,826	1%
Cicero	84,103	1%

Source: US Census Bureau Annual County Resident Population Estimates for 2013

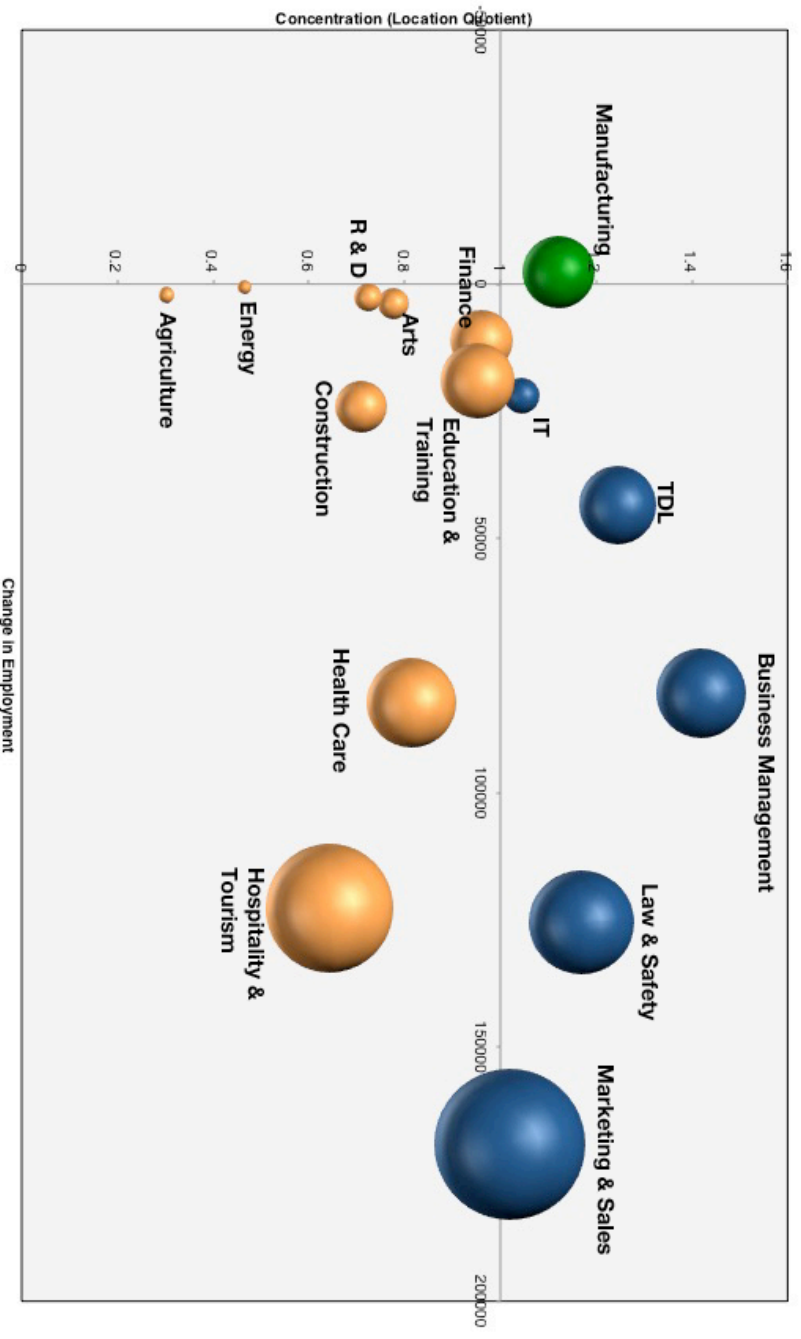


NORTHEAST REGION

EMPLOYMENT BY INDUSTRY / OCCUPATIONAL CLUSTER

Cluster	2012 Employment	2022 Employment	Net Employment Change	Percent Employment Change	Concentration (Location Quotient)
Marketing & Sales	1,486,398	1,655,634	169,236	11.4%	1.02
Hospitality & Tourism	1,072,558	1,195,218	122,660	11.4%	0.64
Law & Public Safety	659,602	785,008	125,406	19.0%	1.17
Business Management	503,349	583,855	80,506	16.0%	1.42
Health Care	498,816	581,060	82,244	16.5%	0.81
Transportation, Distribution & Logistics	390,479	433,897	43,418	11.1%	1.25
Education & Training	379,002	398,055	19,053	5.0%	0.95
Manufacturing	376,840	374,497	- 2,343	-0.6%	1.12
Finance	258,940	269,960	11,020	4.3%	0.96
Construction	161,560	185,578	24,018	14.9%	0.71
Information Technology	64,820	86,724	21,904	33.8%	1.05
Arts & Audio Visual	60,547	64,394	3,847	6.4%	0.78
Research & Development	48,530	51,189	2,659	5.5%	0.72
Agriculture	14,033	16,210	2,177	15.5%	0.30
Energy	12,304	12,919	615	5.0%	0.46

MAJOR INDUSTRY CLUSTERS IN THE NORTHEAST REGION



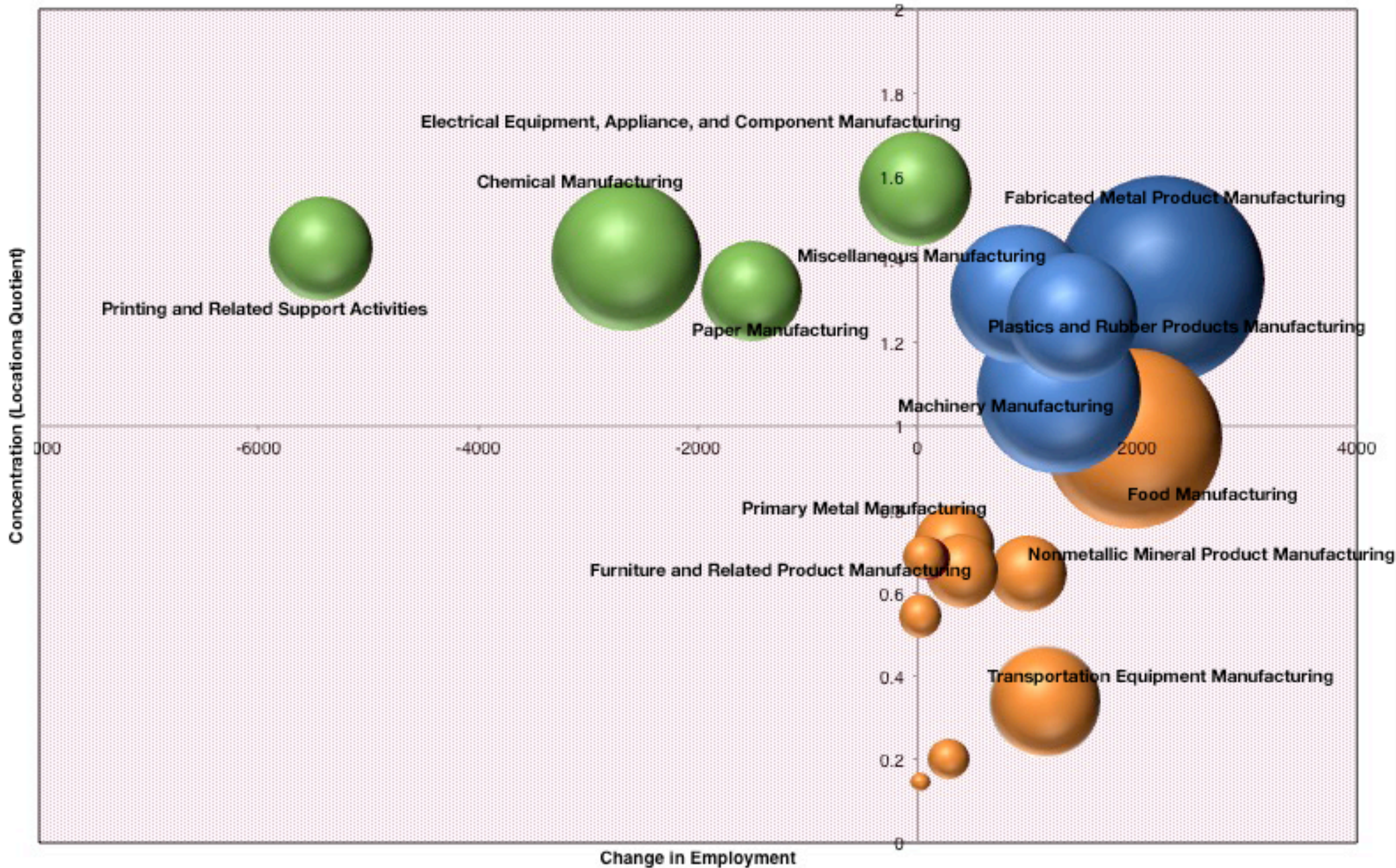
MANUFACTURING

LEADING, EMERGING AND MATURING INDUSTRIES IN THE NORTHEAST REGION

NAICS	DESCRIPTION	2012 Employment	2022 Employment	Employment Change 2012- 22	% Change 2012-22	2014 LQ	Class
311	Food Manufacturing	46,660	48,622	1,962	4.2%	0.97	Emerging
312	Beverage and Tobacco Product Manufacturing	3,359	3,100	(259)	-7.7%	0.53	
313	Textile Mills	570	588	18	3.2%	0.15	Emerging
314	Textile Product Mills	2,593	2,687	94	3.6%	0.68	Emerging
315	Apparel Manufacturing	2,655	2,680	25	0.9%	0.54	Emerging
316	Leather and Allied Product Manufacturing	478	338	(140)	-29.3%	0.49	
321	Wood Product Manufacturing	2,251	2,529	278	12.4%	0.20	Emerging
322	Paper Manufacturing	16,560	15,055	(1,505)	-9.1%	1.32	Maturing
323	Printing and Related Support Activities	21,703	16,272	(5,431)	-25.0%	1.42	Maturing
324	Petroleum and Coal Products Manufacturing	2,519	2,582	63	2.5%	0.69	Emerging
325	Chemical Manufacturing	36,414	33,765	(2,649)	-7.3%	1.41	Maturing
326	Plastics and Rubber Products Manufacturing	27,955	28,876	921	3.3%	1.32	Leading
327	Nonmetallic Mineral Product Manufacturing	7,794	8,800	1,006	12.9%	0.65	Emerging
331	Primary Metal Manufacturing	9,406	9,741	335	3.6%	0.71	Emerging
332	Fabricated Metal Product Manufacturing	62,751	64,972	2,221	3.5%	1.35	Leading
333	Machinery Manufacturing	39,181	40,465	1,284	3.3%	1.08	Leading
334	Computer and Electronic Product Manufacturing	26,460	22,960	(3,500)	-13.2%	0.74	
335	Electrical Equipment, Appliance, and Component Manufacturing	19,273	19,247	(26)	-0.1%	1.57	Maturing
336	Transportation Equipment Manufacturing	16,715	17,872	1,157	6.9%	0.34	Emerging
337	Furniture and Related Product Manufacturing	7,534	7,934	400	5.3%	0.65	Emerging
339	Miscellaneous Manufacturing	24,009	25,412	1,403	5.8%	1.26	Leading

MANUFACTURING

LEADING, EMERGING AND MATURING INDUSTRIES IN THE NORTHEAST REGION



MANUFACTURING

INDUSTRIES FOR PRINCIPAL OCCUPATIONS IN THE NORTHEAST REGION

NAICS	Description	Pathway	SOC Code	SOC Title	Average Annual Job Openings	2022 Percent of Employment in this Industry		
						Annual Occupation Openings in Industry	that is in this Occupation	
311	Food Manufacturing					6	6.6	0.8
312	Beverage and Tobacco Product Manufacturing					1	1	0.9
313	Textile Mills					1	0.6	1.2
321	Wood Product Manufacturing					2	1.9	0.8
322	Paper Manufacturing					2	2.6	1.3
323	Printing and Related Support Activities					2	2.5	1
324	Petroleum and Coal Products Manufacturing					1	0.8	1.2
325	Chemical Manufacturing					7	7.1	1.6
326	Plastics and Rubber Products Manufacturing					4	4.5	1.3
327	Nonmetallic Mineral Product Manufacturing					3	2.9	1.2
331	Primary Metal Manufacturing					3	2.8	1.3
332	Fabricated Metal Product Manufacturing					10	11	1.2
333	Machinery Manufacturing					6	6.8	1.1
334	Computer and Electronic Product Manufacturing					5	5.7	1
335	Electrical Equipment, Appliance, and Component Manufacturing					2	2.1	1.1
336	Transportation Equipment Manufacturing					8	8.9	1
337	Furniture and Related Product Manufacturing					2	1.9	0.9
339	Miscellaneous Manufacturing					3	3.1	1
311	Food Manufacturing					3	2.3	0.2
312	Beverage and Tobacco Product Manufacturing					1	0.6	0.3
322	Paper Manufacturing					1	0.6	0.2
325	Chemical Manufacturing					2	1.4	0.2
326	Plastics and Rubber Products Manufacturing				120	1	0.9	0.2
333	Machinery Manufacturing					1	0.5	0.1
334	Computer and Electronic Product Manufacturing					1	0.6	0.1
336	Transportation Equipment Manufacturing					1	0.9	0.1
324	Petroleum and Coal Products Manufacturing					1	0.4	0.8
325	Chemical Manufacturing					3	1.8	0.5
326	Plastics and Rubber Products Manufacturing					1	0.8	0.3
327	Nonmetallic Mineral Product Manufacturing					1	0.4	0.2
331	Primary Metal Manufacturing					1	0.4	0.2
332	Fabricated Metal Product Manufacturing					3	2.1	0.3
333	Machinery Manufacturing				151	6	4.1	0.8
334	Computer and Electronic Product Manufacturing					17	11.5	2.5
335	Electrical Equipment, Appliance, and Component Manufacturing					2	1.2	0.8
336	Transportation Equipment Manufacturing					10	6.5	0.9
339	Miscellaneous Manufacturing					2	1.4	0.5
311	Food Manufacturing					1	0.1	0.1
324	Petroleum and Coal Products Manufacturing					1	0.1	0.9
325	Chemical Manufacturing					1	0.1	0.5
326	Plastics and Rubber Products Manufacturing					6	0.4	0.5
332	Fabricated Metal Product Manufacturing				1,489	1	0.1	0.1
333	Machinery Manufacturing					3	0.2	0.2
334	Computer and Electronic Product Manufacturing					4	0.3	0.3
335	Electrical Equipment, Appliance, and Component Manufacturing					6	0.4	0.2
336	Transportation Equipment Manufacturing					3	0.2	0.3
339	Miscellaneous Manufacturing					1	0.2	0.2
311	Food Manufacturing					1	1.3	0.1
322	Paper Manufacturing					1	0.5	0.2
325	Chemical Manufacturing					2	2.3	0.5
332	Fabricated Metal Product Manufacturing					1	0.9	0.1
333	Machinery Manufacturing				101	1	1.4	0.2
334	Computer and Electronic Product Manufacturing					4	3.6	0.6
335	Electrical Equipment, Appliance, and Component Manufacturing					1	0.5	0.3
336	Transportation Equipment Manufacturing					11	10.6	1.1
339	Miscellaneous Manufacturing					1	0.6	0.2
325	Chemical Manufacturing					2	0.2	0.3
332	Fabricated Metal Product Manufacturing					1	0.1	0
333	Machinery Manufacturing					2	0.2	0.1
334	Computer and Electronic Product Manufacturing				956	6	0.6	0.5
335	Electrical Equipment, Appliance, and Component Manufacturing					1	0.1	0.3
336	Transportation Equipment Manufacturing					9	0.9	0.5
339	Miscellaneous Manufacturing					1	0.1	0.2
323	Printing and Related Support Activities					1	0.1	0.1
325	Chemical Manufacturing					1	0.2	0.2
332	Fabricated Metal Product Manufacturing					2	0.1	0
333	Machinery Manufacturing					1	0.1	0
334	Computer and Electronic Product Manufacturing					6	0.7	0.5
335	Electrical Equipment, Appliance, and Component Manufacturing					8	3.5	2.8
336	Transportation Equipment Manufacturing					1	0.1	0.3
336	Transportation Equipment Manufacturing					9	1.1	0.6
339	Miscellaneous Manufacturing					2	0.3	0.4
333	Machinery Manufacturing					2	0.5	0.2
334	Computer and Electronic Product Manufacturing				467	50	10.8	5.6
336	Transportation Equipment Manufacturing					14	3	1
339	Miscellaneous Manufacturing					1	0.2	0.1

323	Printing and Related Support Activities					1	0.2	0.1
325	Chemical Manufacturing					1	0.4	0.1
333	Machinery Manufacturing	Manufacturing Production Process Development	15-1199	Computer Occupations, All Other**	312	1	0.4	0.1
334	Computer and Electronic Product Manufacturing				3	0.9	0.2	
336	Transportation Equipment Manufacturing				2	0.5	0.1	
339	Miscellaneous Manufacturing				1	0.3	0.1	
332	Fabricated Metal Product Manufacturing				1	0.6	0.1	
333	Machinery Manufacturing				4	4.3	0.7	
334	Computer and Electronic Product Manufacturing	Manufacturing Production Process Development	17-2071	Electrical Engineers**	94	17	1.8	3.3
335	Electrical Equipment, Appliance, and Component Manufacturing				3	3.5	1.9	
336	Transportation Equipment Manufacturing				5	5	0.6	
333	Machinery Manufacturing				1	1.4	0.2	
334	Computer and Electronic Product Manufacturing	Manufacturing Production Process Development	17-2072	Electronics Engineers, exc Computer**	94	17	18.5	2.8
335	Electrical Equipment, Appliance, and Component Manufacturing				1	1.4	0.6	
336	Transportation Equipment Manufacturing				2	2	0.2	
311	Food Manufacturing				3	1.5	0.2	
321	Wood Product Manufacturing				1	0.3	0.7	
322	Paper Manufacturing				1	0.7	0.4	
324	Petroleum and Coal Products Manufacturing				2	1.3	0.9	
325	Chemical Manufacturing				1	0.6	1.3	
326	Plastics and Rubber Products Manufacturing				8	4.2	1.3	
327	Nonmetallic Mineral Product Manufacturing				6	3.3	1.3	
327	Nonmetallic Mineral Product Manufacturing	Manufacturing Production Process Development	17-2112	Industrial Engineers**	184	3	1.4	0.8
331	Primary Metal Manufacturing				3	1.6	1.1	
332	Fabricated Metal Product Manufacturing				10	5.6	0.9	
333	Machinery Manufacturing				13	6.9	1.6	
334	Computer and Electronic Product Manufacturing				22	12.2	3	
335	Electrical Equipment, Appliance, and Component Manufacturing				5	2.5	1.8	
336	Transportation Equipment Manufacturing				32	17.6	2.8	
337	Furniture and Related Product Manufacturing				2	1.2	0.8	
339	Miscellaneous Manufacturing				6	3.5	1.6	
322	Paper Manufacturing				1	0.4	0.3	
324	Petroleum and Coal Products Manufacturing				1	0.3	0.7	
325	Chemical Manufacturing				4	1.7	0.6	
326	Plastics and Rubber Products Manufacturing				4	1.6	0.7	
327	Nonmetallic Mineral Product Manufacturing				1	0.2	0.1	
331	Primary Metal Manufacturing				2	0.7	0.5	
332	Fabricated Metal Product Manufacturing	Manufacturing Production Process Development	17-2141	Mechanical Engineers**	257	16	6.2	1.1
333	Machinery Manufacturing				32	12.3	3.3	
334	Computer and Electronic Product Manufacturing				16	6.3	1.8	
335	Electrical Equipment, Appliance, and Component Manufacturing				5	2	1.7	
336	Transportation Equipment Manufacturing				31	11.9	2.2	
337	Furniture and Related Product Manufacturing				1	0.2	0.1	
339	Miscellaneous Manufacturing				4	1.6	0.8	
322	Paper Manufacturing				1	0.4	0.1	
324	Petroleum and Coal Products Manufacturing				1	0.3	0.4	
325	Chemical Manufacturing				4	2.2	0.4	
326	Plastics and Rubber Products Manufacturing				1	0.3	0.1	
332	Fabricated Metal Product Manufacturing				3	1.8	0.2	
333	Machinery Manufacturing	Manufacturing Production Process Development	17-2199	Engineers, All Other (Including Robotics Engineers)**	173	6	3.2	0.4
334	Computer and Electronic Product Manufacturing				8	4.5	0.7	
335	Electrical Equipment, Appliance, and Component Manufacturing				2	0.9	0.4	
336	Transportation Equipment Manufacturing				11	6.1	0.6	
337	Furniture and Related Product Manufacturing				1	0.3	0.1	
339	Miscellaneous Manufacturing				2	1.1	0.3	
325	Chemical Manufacturing				1	0.9	0.2	
333	Machinery Manufacturing				3	3.3	0.5	
334	Computer and Electronic Product Manufacturing	Manufacturing Production Process Development	17-2023	Electrical & Electronic Engineering Technicians**	89	20	22.2	3.4
335	Electrical Equipment, Appliance, and Component Manufacturing				2	2.8	1.3	
336	Transportation Equipment Manufacturing				2	2	0.2	
324	Petroleum and Coal Products Manufacturing				1	1.9	1.2	
325	Chemical Manufacturing				1	2	0.2	
326	Plastics and Rubber Products Manufacturing				1	1	0.1	
332	Fabricated Metal Product Manufacturing				1	1.6	0.1	
333	Machinery Manufacturing	Manufacturing Production Process Development	17-2029	Engineering Techs, exc Drafters, All Other**	56	2	3.3	0.2
334	Computer and Electronic Product Manufacturing				2	3.7	0.3	
335	Electrical Equipment, Appliance, and Component Manufacturing				1	1	0.2	
336	Transportation Equipment Manufacturing				3	4.6	0.2	
339	Miscellaneous Manufacturing				1	1.2	0.2	
324	Petroleum and Coal Products Manufacturing				1	1	0.9	
325	Chemical Manufacturing	Manufacturing Production Process Development	19-2031	Chemists**	83	22	2.7	3.4
334	Computer and Electronic Product Manufacturing				1	0.9	0.1	
311	Food Manufacturing				1	1.2	0.1	
324	Petroleum and Coal Products Manufacturing	Manufacturing Production Process Development	19-4031	Chemical Technicians**	69	1	2.1	1.4
325	Chemical Manufacturing				16	23.1	2.2	
331	Primary Metal Manufacturing				1	0.8	0.1	
325	Chemical Manufacturing				7	1.4	0.8	
332	Fabricated Metal Product Manufacturing				2	0.4	0.1	
333	Machinery Manufacturing				8	1.7	0.7	
334	Computer and Electronic Product Manufacturing	Manufacturing Production Process Development	41-4011	Sales Reps, Whls/Mfg. Tech/ScIProds**	489	19	3.9	1.7
335	Electrical Equipment, Appliance, and Component Manufacturing				2	0.5	0.7	

336	Transportation Equipment Manufacturing					2	0.4	0.1
339	Miscellaneous Manufacturing					6	1.2	1
311	Food Manufacturing					16	1	1.1
312	Beverage and Tobacco Product Manufacturing					10	0.6	5.2
313	Textile Mills					2	0.1	1.5
314	Textile Product Mills					3	0.2	3
315	Apparel Manufacturing					2	0.1	2.1
321	Wood Product Manufacturing					10	0.6	2.4
322	Paper Manufacturing					8	0.5	2.3
323	Printing and Related Support Activities					20	1.2	4.4
324	Petroleum and Coal Products Manufacturing					2	0.1	1.2
325	Chemical Manufacturing	Manufacturing Process Development	41-4012	Sales Reps/Wholesale/Mfg.Ex. Tech/Scientific**	1,625	11	0.7	1.4
326	Plastics and Rubber Products Manufacturing					11	0.7	2
327	Nonmetallic Mineral Product Manufacturing					11	0.7	2.9
331	Primary Metal Manufacturing					5	0.3	1.4
332	Fabricated Metal Product Manufacturing					33	2	2.1
333	Machinery Manufacturing					23	1.4	2.3
334	Computer and Electronic Product Manufacturing					10	0.6	0.9
335	Electrical Equipment, Appliance, and Component Manufacturing					5	0.3	1.6
336	Transportation Equipment Manufacturing					11	0.7	0.8
337	Furniture and Related Product Manufacturing					8	0.5	2.3
339	Miscellaneous Manufacturing					11	0.7	2.2
327	Nonmetallic Mineral Product Manufacturing	Logistics & Inventory Control	43-5032	Dispatchers**	207	5	2.2	1.2
311	Food Manufacturing					4	1.9	0.4
312	Beverage and Tobacco Product Manufacturing					1	0.3	0.5
313	Textile Mills					1	0.3	1
314	Textile Product Mills					1	0.3	1.3
315	Apparel Manufacturing					1	0.6	0.5
321	Wood Product Manufacturing					2	0.9	0.8
322	Paper Manufacturing					3	1.5	1
323	Printing and Related Support Activities					5	2.6	1.1
325	Chemical Manufacturing					3	1.5	0.7
326	Plastics and Rubber Products Manufacturing					1	0.6	0.4
327	Nonmetallic Mineral Product Manufacturing					2	1.1	0.9
331	Primary Metal Manufacturing	Logistics & Inventory Control	43-5061	Production, Planning & Expediting Clerks**	201	8	4	0.8
332	Fabricated Metal Product Manufacturing					7	3.4	1
333	Machinery Manufacturing					7	3.5	1.1
335	Electrical Equipment, Appliance, and Component Manufacturing					2	1.1	1
336	Transportation Equipment Manufacturing					12	5.8	1.2
337	Furniture and Related Product Manufacturing					2	0.8	0.7
339	Miscellaneous Manufacturing					3	1.5	0.9
311	Food Manufacturing					18	2.6	1.3
312	Beverage and Tobacco Product Manufacturing					1	0.2	0.8
313	Textile Mills					2	0.3	1.9
314	Textile Product Mills					1	0.2	1.7
315	Apparel Manufacturing					2	0.3	2.8
316	Leather and Allied Product Manufacturing					1	0.1	2.5
321	Wood Product Manufacturing					3	0.5	0.9
322	Paper Manufacturing					6	0.9	1.9
323	Printing and Related Support Activities					9	1.3	2.1
324	Petroleum and Coal Products Manufacturing					1	0.1	0.8
325	Chemical Manufacturing	Logistics & Inventory Control	43-5071	Shipping Receiving & Traffic Clerks**	682	13	1.9	1.8
326	Plastics and Rubber Products Manufacturing					12	1.7	2
327	Nonmetallic Mineral Product Manufacturing					3	0.4	0.8
331	Primary Metal Manufacturing					5	0.7	1.4
332	Fabricated Metal Product Manufacturing					27	3.9	1.8
333	Machinery Manufacturing					17	2.5	1.7
334	Computer and Electronic Product Manufacturing					10	1.5	1.1
335	Electrical Equipment, Appliance, and Component Manufacturing					5	0.8	1.8
336	Transportation Equipment Manufacturing					17	2.5	1.2
337	Furniture and Related Product Manufacturing					5	0.8	1.6
339	Miscellaneous Manufacturing					10	1.5	2.1
311	Food Manufacturing					5	1.6	0.5
312	Beverage and Tobacco Product Manufacturing					1	0.3	0.7
321	Wood Product Manufacturing					1	0.3	0.3
322	Paper Manufacturing					2	0.5	0.7
324	Petroleum and Coal Products Manufacturing					1	0.2	1.1
325	Chemical Manufacturing					3	1	0.6
326	Plastics and Rubber Products Manufacturing					2	0.6	0.5
327	Nonmetallic Mineral Product Manufacturing	Maintenance, Installation & Repair	49-1011	1st-Line Svcs/Mgr's, Mechanics/Installers**	330	1	0.4	0.5
331	Primary Metal Manufacturing					2	0.7	1
332	Fabricated Metal Product Manufacturing					3	0.9	0.3
333	Machinery Manufacturing					3	0.8	0.4
334	Computer and Electronic Product Manufacturing					1	0.3	0.2
335	Electrical Equipment, Appliance, and Component Manufacturing					1	0.2	0.3
336	Transportation Equipment Manufacturing					4	1.1	0.4
339	Miscellaneous Manufacturing					1	0.3	0.2
311	Food Manufacturing					37	9.1	2.4
312	Beverage and Tobacco Product Manufacturing					7	1.7	3.5
313	Textile Mills					4	0.9	3.8
314	Textile Product Mills					1	0.3	1.3

321	Wood Product Manufacturing							6	1.5	1.4
322	Paper Manufacturing							14	3.4	3.7
323	Printing and Related Support Activities							2	0.5	0.5
324	Petroleum and Coal Products Manufacturing							5	1.2	4.2
325	Chemical Manufacturing							22	5.3	2.7
326	Plastics and Rubber Products Manufacturing							14	3.4	2.1
327	Nonmetallic Mineral Product Manufacturing							7	1.7	1.6
331	Primary Metal Manufacturing							15	3.8	4
332	Fabricated Metal Product Manufacturing							18	4.5	1.1
333	Machinery Manufacturing							20	5	1.9
334	Computer and Electronic Product Manufacturing							4	1.1	0.5
335	Electrical Equipment, Appliance, and Component Manufacturing							2	0.6	0.8
336	Transportation Equipment Manufacturing							20	4.9	1.3
337	Furniture and Related Product Manufacturing							2	0.6	0.6
339	Miscellaneous Manufacturing							2	0.4	0.3
311	Food Manufacturing							10	11.1	0.8
312	Beverage and Tobacco Product Manufacturing							1	1.3	0.7
313	Textile Mills							1	1.6	1.7
321	Wood Product Manufacturing							2	2.2	0.6
322	Paper Manufacturing							3	3	0.9
324	Petroleum and Coal Products Manufacturing							1	0.8	0.7
325	Chemical Manufacturing							4	4.2	0.6
326	Plastics and Rubber Products Manufacturing							5	6	1
327	Nonmetallic Mineral Product Manufacturing							2	2.3	0.6
331	Primary Metal Manufacturing							4	4	1.1
332	Fabricated Metal Product Manufacturing							7	7.7	0.5
333	Machinery Manufacturing							2	2	0.2
334	Computer and Electronic Product Manufacturing							1	1.5	0.2
335	Electrical Equipment, Appliance, and Component Manufacturing							2	2.3	0.7
336	Transportation Equipment Manufacturing							4	4.7	0.3
339	Miscellaneous Manufacturing							1	1	0.2
334	Computer and Electronic Product Manufacturing							1	1.3	0.1
339	Miscellaneous Manufacturing							1	2.1	0.2
311	Food Manufacturing							21	2.3	2.3
312	Beverage and Tobacco Product Manufacturing							2	0.2	1.8
313	Textile Mills							1	0.1	2.4
314	Textile Product Mills							1	0.1	1.3
321	Wood Product Manufacturing							5	0.5	1.7
322	Paper Manufacturing							5	0.5	2.2
323	Printing and Related Support Activities							2	0.2	0.7
324	Petroleum and Coal Products Manufacturing							1	0.1	1.5
325	Chemical Manufacturing							11	1.2	2.4
326	Plastics and Rubber Products Manufacturing							8	0.9	2.3
327	Nonmetallic Mineral Product Manufacturing							5	0.5	1.9
331	Primary Metal Manufacturing							10	1.1	4.4
332	Fabricated Metal Product Manufacturing							13	1.4	1.4
333	Machinery Manufacturing							8	0.9	1.3
334	Computer and Electronic Product Manufacturing							4	0.4	0.7
335	Electrical Equipment, Appliance, and Component Manufacturing							3	0.3	1.6
336	Transportation Equipment Manufacturing							11	1.2	1.2
337	Furniture and Related Product Manufacturing							3	0.3	1.1
339	Miscellaneous Manufacturing							4	0.4	1.1
311	Food Manufacturing							23	7.8	3.2
312	Beverage and Tobacco Product Manufacturing							3	0.9	2.8
313	Textile Mills							2	0.7	4.4
314	Textile Product Mills							2	0.7	4.3
315	Apparel Manufacturing							1	0.3	3
321	Wood Product Manufacturing							7	2.5	3.7
322	Paper Manufacturing							6	2.2	3.8
323	Printing and Related Support Activities							8	2.9	3.9
324	Petroleum and Coal Products Manufacturing							3	0.9	5.1
325	Chemical Manufacturing							14	4.9	3.9
326	Plastics and Rubber Products Manufacturing							13	4.5	4.4
327	Nonmetallic Mineral Product Manufacturing							7	2.3	3.3
331	Primary Metal Manufacturing							8	2.8	4.5
332	Fabricated Metal Product Manufacturing							32	11.1	4.3
333	Machinery Manufacturing							17	5.7	3.3
334	Computer and Electronic Product Manufacturing							9	3.1	1.9
335	Electrical Equipment, Appliance, and Component Manufacturing							5	1.7	3.2
336	Transportation Equipment Manufacturing							21	7.2	2.9
337	Furniture and Related Product Manufacturing							7	2.5	4.1
339	Miscellaneous Manufacturing							9	3.2	3.5
332	Fabricated Metal Product Manufacturing							1	0.6	0.1
333	Machinery Manufacturing							5	6.1	1.1
334	Computer and Electronic Product Manufacturing							40	45.8	8.9
335	Electrical Equipment, Appliance, and Component Manufacturing							15	17.5	10.1
336	Transportation Equipment Manufacturing							7	8	1
339	Miscellaneous Manufacturing							2	2.2	0.8
332	Fabricated Metal Product Manufacturing							43	49.1	2.8
333	Machinery Manufacturing							11	12.7	1.1
335	Electrical Equipment, Appliance, and Component Manufacturing							2	2.6	0.7
Production								87		
51-2022	Electric/Electronic Equipment Assemblers**							88		
51-2022	Electrical/Electronic Equipment Assemblers**							88		
51-2021	Structural Metal Fabricators & Fitters							87		
49-9041	Industrial Machinery Mechanics**							406		
49-9043	Maintenance Workers, Machinery**							91		
49-9062	Medical Equipment Repairers							55		
49-9071	General Maintenance & Repair Workers**							909		
1st-Line Svcs/Mgrs, Prod. & Operating Workers**								292		

		21-2041	21 Industrial Machinery Operators & Tenders		07		
336	Transportation Equipment Manufacturing	Production			10	11.8	0.7
337	Furniture and Related Product Manufacturing				1	0.6	0.1
339	Miscellaneous Manufacturing				5	5.7	0.9
311	Food Manufacturing				33	2.5	1.9
312	Beverage and Tobacco Product Manufacturing				4	0.3	1.6
314	Textile Product Mills				3	0.2	2.9
316	Leather and Allied Product Manufacturing				1	0.1	3.8
321	Wood Product Manufacturing				44	3.3	9.1
322	Paper Manufacturing				8	0.6	1.9
323	Printing and Related Support Activities				5	0.4	1
324	Petroleum and Coal Products Manufacturing	3	0.2	1.9			
325	Chemical Manufacturing	16	1.2	1.8			
326	Plastics and Rubber Products Manufacturing	18	3.6	6.5			
327	Nonmetallic Mineral Product Manufacturing	1,322					
331	Primary Metal Manufacturing	16	1.2	3.2			
332	Fabricated Metal Product Manufacturing	9	0.7	2.2			
333	Machinery Manufacturing	97	7.3	5.3			
334	Computer and Electronic Product Manufacturing	132	10	10.7			
335	Electrical Equipment, Appliance, and Component Manufacturing	48	3.6	4.1			
336	Transportation Equipment Manufacturing	50	3.8	12.8			
337	Furniture and Related Product Manufacturing	268	20.3	15.1			
339	Miscellaneous Manufacturing	44	3.3	9.9			
311	Food Manufacturing	74	5.6	11.6			
321	Wood Product Manufacturing	2	1.3	0.3			
325	Chemical Manufacturing	6	3.3	2.6			
326	Plastics and Rubber Products Manufacturing	1	0.7	0.3			
327	Nonmetallic Mineral Product Manufacturing	3	1.6	0.8			
332	Fabricated Metal Product Manufacturing	2	1.1	0.8			
333	Machinery Manufacturing	9	4.5	0.9			
334	Computer and Electronic Product Manufacturing	7	3.9	1.2			
335	Electrical Equipment, Appliance, and Component Manufacturing	3	1.8	0.6			
336	Transportation Equipment Manufacturing	3	1.4	1.3			
337	Furniture and Related Product Manufacturing	32	16.8	3.5			
339	Miscellaneous Manufacturing	5	2.5	2.1			
311	Food Manufacturing	10	5.1	3			
312	Beverage and Tobacco Product Manufacturing	150	79.3	5.6			
311	Food Manufacturing	2	1.4	0.8			
312	Food Manufacturing	39	74.3	1.7			
326	Plastics and Rubber Products Manufacturing	12	4.5	1.2			
331	Primary Metal Manufacturing	11	4	1.8			
332	Fabricated Metal Product Manufacturing	104	39.3	4.2			
333	Machinery Manufacturing	49	18.4	2.9			
334	Computer and Electronic Product Manufacturing	13	5	0.9			
335	Electrical Equipment, Appliance, and Component Manufacturing	10	3.7	1.8			
336	Transportation Equipment Manufacturing	48	18.2	2			
337	Furniture and Related Product Manufacturing	1	0.2	0.1			
339	Miscellaneous Manufacturing	10	3.9	1.2			
321	Wood Product Manufacturing	1	1	0.4			
322	Paper Manufacturing	1	1.2	0.6			
326	Plastics and Rubber Products Manufacturing	6	7.6	2.2			
331	Primary Metal Manufacturing	5	5.9	2.8			
332	Fabricated Metal Product Manufacturing	25	31.5	3.6			
333	Machinery Manufacturing	8	9.6	1.6			
334	Computer and Electronic Product Manufacturing	2	2.5	0.4			
335	Electrical Equipment, Appliance, and Component Manufacturing	2	3.1	1.6			
336	Transportation Equipment Manufacturing	10	12.9	1.5			
337	Furniture and Related Product Manufacturing	2	2.8	1.3			
339	Miscellaneous Manufacturing	2	2.9	0.9			
326	Plastics and Rubber Products Manufacturing	2	3.8	0.4			
327	Nonmetallic Mineral Product Manufacturing	1	1.5	0.2			
331	Primary Metal Manufacturing	7	12	2.1			
332	Fabricated Metal Product Manufacturing	22	38.8	1.6			
333	Machinery Manufacturing	10	17.6	1.1			
335	Electrical Equipment, Appliance, and Component Manufacturing	1	1.8	0.4			
336	Transportation Equipment Manufacturing	7	11.8	0.5			
339	Miscellaneous Manufacturing	3	6	0.7			
311	Food Manufacturing	1	0.1	0			
313	Textile Mills	1	0.1	0.3			
321	Wood Product Manufacturing	1	0.1	0.1			
322	Paper Manufacturing	3	0.4	0.5			
323	Printing and Related Support Activities	1	0.1	0.1			
324	Petroleum and Coal Products Manufacturing	1	0.2	1			
325	Chemical Manufacturing	5	0.7	0.4			
326	Plastics and Rubber Products Manufacturing	10	1.5	1.1			
327	Nonmetallic Mineral Product Manufacturing	5	0.7	0.8			
331	Primary Metal Manufacturing	12	1.9	2.2			
332	Fabricated Metal Product Manufacturing	228	35.1	10.2			
333	Machinery Manufacturing	108	16.6	7			
334	Computer and Electronic Product Manufacturing	19	3	1.4			
335	Electrical Equipment, Appliance, and Component Manufacturing	10	1.6	2.2			
336	Transportation Equipment Manufacturing	78	12	3.6			
337	Furniture and Related Product Manufacturing	3	0.5	0.6			

339	Miscellaneous Manufacturing					18	2.7	2.3	
326	Plastics and Rubber Products Manufacturing					6	10.1	1.3	
331	Primary Metal Manufacturing					3	5.5	1.1	
332	Fabricated Metal Product Manufacturing					16	27	1.3	
333	Machinery Manufacturing					9	16.3	1.2	
334	Computer and Electronic Product Manufacturing	Production	51-4081	Multiple Machine Tool Setters & Operators**		58	1	1.8	0.1
335	Electrical Equipment, Appliance, and Component Manufacturing					3	5.6	1.3	
336	Transportation Equipment Manufacturing					12	20.6	1.1	
337	Furniture and Related Product Manufacturing					2	2.6	0.5	
339	Miscellaneous Manufacturing					3	5.5	0.8	
321	Wood Product Manufacturing					1	0.3	0.3	
326	Plastics and Rubber Products Manufacturing					1	0.2	0.1	
327	Nonmetallic Mineral Product Manufacturing					3	1	0.9	
331	Primary Metal Manufacturing					5	1.9	2	
332	Fabricated Metal Product Manufacturing	Production	51-4121	Welders, Cutters, Solderers & Brazers**		262	64	24.3	6.2
333	Machinery Manufacturing					35	13.2	4.9	
335	Electrical Equipment, Appliance, and Component Manufacturing					4	1.6	0.6	
336	Transportation Equipment Manufacturing					3	1.1	1.3	
337	Furniture and Related Product Manufacturing					33	12.5	3.3	
339	Miscellaneous Manufacturing					2	0.9	1	
331	Primary Metal Manufacturing					2	0.8	0.6	
332	Fabricated Metal Product Manufacturing					1	1.1	0.2	
333	Machinery Manufacturing					27	29.1	1.2	
334	Computer and Electronic Product Manufacturing					18	20	1.3	
335	Electrical Equipment, Appliance, and Component Manufacturing	Production	51-4122	Welding/Soldering/Brazing Machine Setters & Operators**		92	1	1.2	0.1
336	Transportation Equipment Manufacturing					3	3.2	0.6	
337	Furniture and Related Product Manufacturing					25	27	1.2	
339	Miscellaneous Manufacturing					2	1.8	0.3	
313	Textile Mills					2	2.4	0.3	
314	Textile Product Mills					1	0.6	1.1	
322	Paper Manufacturing					1	0.5	1	
323	Printing and Related Support Activities	Production	51-5112	Printing Press Operators & Job Printers**		141	12	8.5	4.2
326	Plastics and Rubber Products Manufacturing					78	55.5	21.9	
339	Miscellaneous Manufacturing					4	3	0.9	
322	Paper Manufacturing					1	0.9	0.3	
324	Petroleum and Coal Products Manufacturing					1	0.9	0	
324	Petroleum and Coal Products Manufacturing					1	1.7	0.2	
324	Petroleum and Coal Products Manufacturing	Manufacturing Production Process Development	51-8091	Chemical Plant & System Operators**		52	2	3.4	1.1
325	Chemical Manufacturing					48	91.5	4.2	
311	Food Manufacturing					1	1	0	
322	Paper Manufacturing					2	2	0.3	
324	Petroleum and Coal Products Manufacturing					3	2.5	1.3	
325	Chemical Manufacturing					94	79.3	5.6	
326	Plastics and Rubber Products Manufacturing	Production	51-9011	Chemical Equipment Operators/Tenders		118	5	4.4	0.4
331	Primary Metal Manufacturing					1	1.1	0.2	
332	Fabricated Metal Product Manufacturing					1	0.9	0	
336	Transportation Equipment Manufacturing					1	0.5	0	
311	Food Manufacturing					18	15	1.2	
312	Beverage and Tobacco Product Manufacturing					2	1.8	1.1	
313	Textile Mills					1	0.5	0.7	
322	Paper Manufacturing					2	2	0.7	
324	Petroleum and Coal Products Manufacturing					4	3	3.4	
325	Chemical Manufacturing	Production	51-9023	Mix/Blend Machine Setters, Operators & Tenders		121	7	42.5	6.7
326	Plastics and Rubber Products Manufacturing					51	6	1.2	
327	Nonmetallic Mineral Product Manufacturing					13	10.5	3	
332	Fabricated Metal Product Manufacturing					1	0.7	0.1	
336	Transportation Equipment Manufacturing					1	0.6	0	
339	Miscellaneous Manufacturing					1	0.7	0.2	
311	Food Manufacturing					6	8.8	0.4	
312	Beverage and Tobacco Product Manufacturing					1	1.5	0.6	
321	Wood Product Manufacturing					1	1.9	0.3	
322	Paper Manufacturing					3	4.1	0.8	
325	Chemical Manufacturing					7	10.6	1	
326	Plastics and Rubber Products Manufacturing					19	29.9	3.4	
327	Nonmetallic Mineral Product Manufacturing	Production	51-9041	Extruding/Forming/Compacting Machine Operators		64	15	23.2	3.9
331	Primary Metal Manufacturing					1	1.7	0.3	
332	Fabricated Metal Product Manufacturing					1	1.6	0.1	
335	Electrical Equipment, Appliance, and Component Manufacturing					1	0.9	0.2	
336	Transportation Equipment Manufacturing					1	0.8	0	
339	Miscellaneous Manufacturing					3	4.5	0.6	
311	Food Manufacturing					30	6.6	2.2	
312	Beverage and Tobacco Product Manufacturing					3	0.7	1.9	
313	Textile Mills					4	0.9	4.6	
314	Textile Product Mills					2	0.4	2.4	
315	Apparel Manufacturing					2	0.4	2.9	
321	Wood Product Manufacturing					6	1.3	1.7	
322	Paper Manufacturing					5	1.1	1.6	
323	Printing and Related Support Activities					4	0.9	1.1	
324	Petroleum and Coal Products Manufacturing					1	0.3	1.2	
325	Chemical Manufacturing					22	4.8	3.2	
326	Plastics and Rubber Products Manufacturing	Manufacturing Production Process Development	51-9061	Inspectors, Testers, Sorters & Weighers		454	25	5.6	4.7
327	Nonmetallic Mineral Product Manufacturing					8	1.8	2.1	

331	Primary Metal Manufacturing				10	2.3	3.2
332	Fabricated Metal Product Manufacturing				40	8.9	2.9
333	Machinery Manufacturing				21	4.7	2.3
334	Computer and Electronic Product Manufacturing				25	5.4	2.8
335	Electrical Equipment, Appliance, and Component Manufacturing				9	2	3
336	Transportation Equipment Manufacturing				45	10	3.4
337	Furniture and Related Product Manufacturing				5	1	1.3
339	Miscellaneous Manufacturing				13	2.9	2.7
311	Food Manufacturing				127	30.3	7.8
312	Beverage and Tobacco Product Manufacturing				22	5.2	10.3
313	Textile Mills				1	0.3	1.3
314	Textile Product Mills				1	0.2	0.8
321	Wood Product Manufacturing				3	0.6	0.6
322	Paper Manufacturing				8	1.9	2.1
323	Printing and Related Support Activities				4	0.9	0.8
324	Petroleum and Coal Products Manufacturing				2	0.4	1.5
325	Chemical Manufacturing	Production			50	11.8	6
326	Plastics and Rubber Products Manufacturing		51-9111	Packaging & Filling Machine Operators & Tenders	15	3.6	2.2
327	Nonmetallic Mineral Product Manufacturing				5	1.3	1.2
331	Primary Metal Manufacturing				3	0.6	0.6
332	Fabricated Metal Product Manufacturing				7	1.6	0.4
335	Electrical Equipment, Appliance, and Component Manufacturing				2	0.4	0.5
336	Transportation Equipment Manufacturing				2	0.4	0.1
337	Furniture and Related Product Manufacturing				1	0.3	0.4
339	Miscellaneous Manufacturing				7	1.6	1.1
311	Food Manufacturing				62	10.9	2
312	Beverage and Tobacco Product Manufacturing				2	0.3	0.5
313	Textile Mills				1	0.1	0.4
314	Textile Product Mills				1	0.1	0.4
315	Apparel Manufacturing				1	0.1	0.2
316	Leather and Allied Product Manufacturing				1	0.2	2.1
321	Wood Product Manufacturing				10	1.7	1.1
322	Paper Manufacturing				14	2.4	1.8
323	Printing and Related Support Activities				5	0.9	0.5
324	Petroleum and Coal Products Manufacturing				1	0.2	0.5
325	Chemical Manufacturing	Production			20	3.5	1.2
326	Plastics and Rubber Products Manufacturing		51-9199	Production Workers, All Other	14	2.4	1
327	Nonmetallic Mineral Product Manufacturing				12	2.1	1.3
331	Primary Metal Manufacturing				10	1.7	1.2
332	Fabricated Metal Product Manufacturing				22	3.8	0.7
333	Machinery Manufacturing				17	2.9	0.7
334	Computer and Electronic Product Manufacturing				7	1.3	0.4
335	Electrical Equipment, Appliance, and Component Manufacturing				8	1.4	1.1
336	Transportation Equipment Manufacturing				27	4.8	0.9
337	Furniture and Related Product Manufacturing				4	0.7	0.5
339	Miscellaneous Manufacturing				16	2.8	1.4

MANUFACTURING

INDUSTRIES FOR PRINCIPAL OCCUPATIONS IN THE NORTHEAST REGION

Pathway	SOC Code	SOC Title	Average Annual Job Openings	Annual Occupational Openings in Industry	2022 Percent of Occupational Openings in Industry	2022 Percent of Employment that is in this Occupation	Median Annual	Education Entry Level	Experience Entry Level	Training Entry Level								
Manufacturing Production Process Development	11-3051	Industrial Production Managers**	93	6	6.6	0.8	\$90,892	Bachelor's degree	1 to 5 years	None								
				1	1	0.9												
				1	0.6	1.2												
				2	1.9	0.8												
				2	2.6	1.3												
				2	2.5	1												
				1	0.8	1.2												
				7	7.1	1.6												
				4	4.5	1.3												
				3	2.9	1.2												
Manufacturing Production Process Development	11-9041	Engineering Managers**	151	3	2.1	0.3	\$123,223	Bachelor's degree	More than 5 years	None								
				6	4.1	0.8												
				17	11.5	2.5												
				2	1.2	0.8												
				10	6.5	0.9												
				2	1.4	0.5												
				1	0.1	0.1												
				1	0.1	0.1												
				1	0.1	0.9												
				6	0.4	0.5												
Logistics & Inventory Control	11-9199	Managers, All Other (incl. Logistics Analysts)**	1,489	3	0.2	0.1	\$99,701	High school diploma or equivalent	1 to 5 years	None								
				3	0.2	0.2												
				4	0.3	0.3												
				6	0.4	0.2												
				3	0.2	0.3												
				1	1.3	0.1												
				1	0.5	0.2												
				2	2.3	0.5												
				1	0.9	0.1												
				1	0.9	0.1												
4	3.6	0.6																
Logistics & Inventory Control	13-1081	Logisticians**	101	1	1.4	0.2	\$65,953	Bachelor's degree	1 to 5 years	None								
				4	3.6	0.6												
				1	0.5	0.3												
				11	10.6	1.1												
				1	0.6	0.2												
				2	0.2	0.3												
				1	0.1	0												
				2	0.2	0.1												
				6	0.6	0.5												
				1	0.1	0.3												
9	0.9	0.5																
Logistics & Inventory Control	13-1111	Management Analysts (incl. Logistics Analysts)**	956	1	0.1	0.2	\$86,330	Bachelor's degree	1 to 5 years	None								
				1	0.1	0.1												
				2	0.2	0.2												
				2	0.2	0.2												
				1	0.1	0												
				6	0.7	0.5												
				28	3.5	2.8												
				1	0.1	0.3												
				9	1.1	0.6												
				2	0.3	0.4												
Manufacturing Production Process Development	15-1133	Software Developers, Systems Software**	467	50	10.8	5.6	\$97,363	Bachelor's degree	None	None								
				14	3	1												
				1	0.2	0.1												
				1	0.2	0.1												
				1	0.4	0.1												
				1	0.4	0.1												
				3	0.9	0.2												
				2	0.5	0.1												
				1	0.3	0.1												
				1	0.6	0.1												
Manufacturing Production Process Development	15-1199	Computer Occupations, All Other**	312	1	0.6	0.1	\$88,096	Bachelor's degree	None	None								
				4	4.3	0.7												
				17	18	3.3												
				3	3.5	1.9												
				5	5	0.6												
				1	1.4	0.2												
				Manufacturing Production Process Development	17-2071	Electrical Engineers**					94	1	1.4	0.2	\$91,445	Bachelor's degree	None	None

Manufacturing Production Process Development	17-2072	Electronics Engineers, exc Computer**	94	17	18.5	2.8	\$88,723	Bachelor's degree	None	None
				1	1.4	0.6				
				2	2	0.2				
				3	1.5	0.2				
				1	0.3	0.7				
				1	0.7	0.4				
				2	1.3	0.9				
				1	0.6	1.3				
				8	4.2	1.3				
				6	3.3	1.3				
			184	3	1.4	0.8				
				3	1.6	1.1				
				10	5.6	0.9				
				13	6.9	1.6				
				22	12.2	3				
				5	2.5	1.8				
				32	17.6	2.8				
				2	1.2	0.8				
				6	3.5	1.6				
				1	0.4	0.3				
				1	0.3	0.7				
				4	1.7	0.6				
				4	1.6	0.7				
				1	0.2	0.1				
				2	0.7	0.5				
			257	16	6.2	1.1				
				32	12.3	3.3				
				16	6.3	1.8				
				5	2	1.7				
				31	11.9	2.2				
				1	0.2	0.1				
				4	1.6	0.8				
				1	0.4	0.1				
				1	0.3	0.4				
				4	2.2	0.4				
				1	0.3	0.1				
				3	1.8	0.2				
			173	6	3.2	0.4				
				8	4.5	0.7				
				2	0.9	0.4				
				11	6.1	0.6				
				1	0.3	0.1				
				2	1.1	0.3				
				1	0.9	0.2				
				3	3.3	0.5				
			89	20	22.2	3.4				
				2	2.8	1.3				
				2	2	0.2				
				1	1.9	1.2				
				1	2	0.2				
				1	1	0.1				
				1	1	0.1				
				1	1.6	0.1				
			56	2	3.3	0.2				
				2	3.7	0.3				
				1	1	0.2				
				3	4.6	0.2				
				1	1.2	0.2				
				1	1	0.9				
			83	22	27	3.4				
				1	0.9	0.1				
				1	1.2	0.1				
				1	2.1	1.4				
			69	16	23.1	2.2				
				1	0.8	0.1				
				7	1.4	0.8				
				2	0.4	0.1				
				8	1.7	0.7				
			489	19	3.9	1.7				
				2	0.5	0.7				
				2	0.4	0.1				
				6	1.2	1				
				16	1	1.1				
				10	0.6	5.2				
				2	0.1	1.5				
				3	0.2	3				
				2	0.1	2.1				
				10	0.6	2.4				
				8	0.5	2.3				
				20	1.2	4.4				
				2	0.1	1.2				
				11	0.7	1.4				
			1,625	11	0.7	2				
				11	0.7	2.9				
				5	0.3	1.4				
				33	2	2.1				
				23	1.4	2.3				
				10	0.6	0.9				
				5	0.3	1.6				
				11	0.7	0.8				
				8	0.5	2.3				
				11	0.7	2.2				
Logistics & Inventory Control	43-5032	Dispatchers**	207	5	2.2	1.2	\$42,520	High school diploma or equivalent	None	Moderate-term on-the-job training
				4	1.9	0.4				

Logistics & Inventory Control	43-5061	Production, Planning & Expediting Clerks**	201	1	0.3	0.5	\$46,716	High school diploma or equivalent	None	Moderate-term on-the-job training
				1	0.3	1				
				1	0.3	1.3				
				1	0.6	0.5				
				2	0.9	0.8				
				3	1.5	1				
				5	2.6	1.1				
				3	1.5	0.7				
				1	0.6	0.4				
				2	1.1	0.9				
				8	4	0.8				
				7	3.4	1				
				2	1.1	1				
12	5.8	1.2								
2	0.8	0.7								
3	1.5	0.9								
18	2.6	1.3								
1	0.2	0.8								
2	0.3	1.9								
1	0.2	1.7								
2	0.3	2.8								
1	0.1	2.5								
3	0.5	0.9								
6	0.9	1.9								
9	1.3	2.1								
1	0.1	0.8								
13	1.9	1.8								
12	1.7	2								
3	0.4	0.8								
5	0.7	1.4								
27	3.9	1.8								
17	2.5	1.7								
10	1.5	1.1								
5	0.8	1.8								
17	2.5	1.2								
5	0.8	1.6								
10	1.5	2.1								
5	1.6	0.5								
1	0.3	0.7								
1	0.3	0.3								
2	0.5	0.7								
1	0.2	1.1								
3	1	0.6								
2	0.6	0.5								
1	0.4	0.5								
2	0.7	1								
3	0.9	0.3								
3	0.8	0.4								
1	0.3	0.2								
1	0.2	0.3								
4	1.1	0.4								
1	0.3	0.2								
37	9.1	2.4								
7	1.7	3.5								
4	0.9	3.8								
1	0.3	1.3								
6	1.5	1.4								
14	3.4	3.7								
2	0.5	0.5								
5	1.2	4.2								
22	5.3	2.7								
14	3.4	2.1								
7	1.7	1.6								
15	3.8	4								
18	4.5	1.1								
20	5	1.9								
4	1.1	0.5								
2	0.6	0.8								
20	4.9	1.3								
2	0.6	0.6								
2	0.4	0.3								
10	11.1	0.8								
1	1.3	0.7								
1	1.6	1.7								
2	2.2	0.6								
3	3	0.9								
1	0.8	0.7								
4	4.2	0.6								
5	6	1								
2	2.3	0.6								
4	4	1.1								
7	7.7	0.5								
2	2	0.2								
1	1.5	0.2								
2	2.3	0.7								
4	4.7	0.3								
1	1	0.2								
Maintenance, Installation & Repair	49-9041	Industrial Machinery Mechanics**	406	1	1.3	0.1	\$47,388	Associate's degree	None	Moderate-term on-the-job training
Maintenance, Installation & Repair	49-9043	Maintenance Workers, Machinery**	91	1	1.3	0.7	\$47,703	High school diploma or equivalent	None	Moderate-term on-the-job training
				1	1.6	1.7				
				2	2.2	0.6				
				3	3	0.9				
				1	0.8	0.7				
				4	4.2	0.6				
				5	6	1				
				2	2.3	0.7				
				4	4.7	0.3				
				1	1	0.2				
				10	11.1	0.8				
				1	1.3	0.7				
				1	1.6	1.7				
2	2.2	0.6								
3	3	0.9								
1	0.8	0.7								
4	4.2	0.6								
5	6	1								
2	2.3	0.7								
4	4	1.1								
7	7.7	0.5								
2	2	0.2								
1	1.5	0.2								
2	2.3	0.7								
4	4.7	0.3								
1	1	0.2								
Maintenance, Installation & Repair	49-9062	Medical Equipment Repairers	55	1	1.3	0.2	\$47,388	Associate's degree	None	Moderate-term on-the-job training
Maintenance, Installation & Repair	49-9062	Medical Equipment Repairers	55	1	2.1	2.3	\$47,388	Associate's degree	None	Moderate-term on-the-job training
				2	0.2	1.8				
				1	0.1	2.4				

Maintenance, Installation & Repair	49-9071	General Maintenance & Repair Workers**	909	1	0.1	1.3	\$41,111	High school diploma or equivalent	None	Moderate term on-the-job training
				5	0.5	1.7				
				2	0.2	0.7				
				11	1.2	2.4				
8	0.9	2.3								
				5	0.5	1.9				
				10	1.1	4.4				
				13	1.4	1.4				
				8	0.9	1.3				
				4	0.4	0.7				
				3	0.3	1.6				
				11	1.2	1.2				
				3	0.3	1.1				
				4	0.4	1.2				
				23	7.8	3.2				
				3	0.9	2.8				
				2	0.7	4.4				
				2	0.7	4.3				
				1	0.3	3				
				7	2.5	3.7				
				6	2.2	3.8				
				8	2.9	3.9				
				3	0.9	5.1				
				14	4.9	3.9				
				13	4.5	4.4				
				7	2.3	3.3				
				8	2.8	4.5				
				32	11.1	4.3				
				17	5.7	3.3				
				9	3.1	1.9				
				5	1.7	3.2				
				21	7.2	2.9				
				7	2.5	4.1				
				9	3.2	3.5				
				1	0.6	0.1				
				5	6.1	1.1				
				40	45.8	8.9				
				15	17.5	10.1				
				7	8	1				
				2	2.2	0.8				
				43	49.1	2.8				
				11	12.7	1.1				
				2	2.6	0.7				
				10	11.8	0.7				
				1	0.6	0.1				
				5	5.7	0.9				
				33	2.5	1.9				
				4	0.3	1.6				
				3	0.2	2.9				
				1	0.1	3.8				
				44	3.3	9.1				
				8	0.6	1.9				
				5	0.4	1				
				3	0.2	1.9				
				16	1.2	1.8				
				48	3.6	6.5				
				16	1.2	3.2				
				9	0.7	2.2				
				97	7.3	5.3				
				132	10	10.7				
				48	3.6	4.1				
				50	3.8	12.8				
				268	20.3	15.1				
				44	3.3	9.9				
				74	5.6	11.6				
				2	1.3	0.3				
				6	3.3	2.6				
				1	0.7	0.3				
				3	1.6	0.8				
				2	1.1	0.8				
				9	4.5	0.9				
				7	3.9	1.2				
				3	1.8	0.6				
				3	1.4	1.3				
				32	16.8	3.5				
				5	2.5	2.1				
				10	5.1	3				
				119	79.3	5.6				
				2	1.4	1.8				
Production	51-3092	Food batchmakers	150				\$27,699	High school diploma or equivalent	Less than 1 year	Short-term on-the-job training
Production	51-3093	Food Cooking Machine Operators & Tenders	53				\$25,038	High school diploma or equivalent	Less than 1 year	Short-term on-the-job training
				12	4.5	1.2				
				11	4	1.8				
				104	39.3	4.2				
				49	18.4	2.9				
				13	5	0.9				
				10	3.7	1.8				
				48	18.2	2				
				1	0.2	0.1				
				10	3.9	1.2				
				1	1	0.4				
				1	1.2	0.6				
Production	51-4011	Computer-Controlled Machine Tool Operators**	264				\$37,203	High school diploma or equivalent	None	Moderate term on-the-job training

Production	51-4031	Cutting, Punching & Press Machine Operators	80	6	7.6	2.2	\$27,777	High school diploma or equivalent	None	Moderate term on-the-job training
				5	5.9	2.8				
				25	31.5	3.6				
				8	9.6	1.6				
				2	2.5	0.4				
				2	3.1	1.6				
10	12.9	1.5								
2	2.8	1.3								
2	2.9	0.9								
2	3.8	0.4								
1	1.5	0.2								
7	12	2.1								
22	38.8	1.6								
57	17.6	1.1								
1	1.8	0.4								
7	11.8	0.5								
3	6	0.7								
3	6	0.7								
1	0.1	0								
1	0.1	0.3								
1	0.1	0.1								
3	0.4	0.5								
1	0.1	0.1								
1	0.2	1								
5	0.7	0.4								
10	1.5	1.1								
649	5	0.7								
12	1.9	2.2								
228	35.1	10.2								
108	16.6	7								
19	3	1.4								
10	1.6	2.2								
78	12	3.6								
3	0.5	0.6								
18	2.7	2.3								
6	10.1	1.3								
3	5.5	1.1								
16	27	1.3								
9	16.3	1.2								
58	1	1.8								
3	5.6	1.3								
12	20.6	1.1								
2	2.6	0.5								
3	5.5	0.8								
1	0.3	0.3								
1	0.2	0.1								
3	1	0.9								
5	1.9	2								
64	24.3	6.2								
35	13.2	4.9								
4	1.6	0.6								
3	1.1	1.3								
33	12.5	3.3								
2	0.9	1								
2	0.8	0.6								
1	1.1	0.2								
27	29.1	1.2								
18	20	1.3								
1	1.2	0.1								
3	3.2	0.6								
25	27	1.2								
2	1.8	0.3								
2	2.4	0.3								
1	0.6	1.1								
1	0.5	1								
12	8.5	4.2								
78	55.5	21.9								
4	3	0.9								
1	0.9	0.3								
1	1.7	0.2								
2	3.4	1.1								
48	91.5	4.2								
1	1	0								
2	2	0.3								
3	2.5	1.3								
94	79.3	5.6								
5	4.4	0.4								
1	1.1	0.2								
1	0.9	0								
1	0.5	0								
18	15	1.2								
2	1.8	1.1								
1	0.5	0.7								
2	2	0.7								
4	3	3.4								
51	42.5	6.7								
7	6	1.2								
13	10.5	3								
1	0.7	0.1								
1	0.6	0								
1	0.7	0.2								
6	8.8	0.4								
1	1.5	0.6								
1	1.9	0.3								
Production	51-4031	Cutting, Punching & Press Machine Operators	80	6	7.6	2.2	\$27,777	High school diploma or equivalent	None	Moderate term on-the-job training
Production	51-4033	Grind/Polish Machine Tool Setters & Operators	57	22	38.8	1.6	\$32,119	High school diploma or equivalent	None	Moderate term on-the-job training
Production	51-4041	Mechanists**	649	12	1.9	2.2	\$37,522	High school diploma or equivalent	None	Long term on-the-job training
Production	51-4081	Multiple Machine Tool Setters & Operators**	58	3	5.6	1.3	\$39,952	High school diploma or equivalent	None	Moderate term on-the-job training
Production	51-4121	Welders, Cutters, Solderers & Brazers**	262	35	13.2	4.9	\$35,479	High school diploma or equivalent	Less than 1 Year	Moderate term on-the-job training
Production	51-4122	Welding/Soldering/Brazing Machine Setters & Operators**	92	1	1.2	0.1	\$29,783	High school diploma or equivalent	None	Moderate term on-the-job training
Production	51-5112	Printing Press Operators & Job Printers**	141	12	8.5	4.2	\$40,042	High school diploma or equivalent	None	Moderate term on-the-job training
Manufacturing Production Process Development	51-8091	Chemical Plant & System Operators**	52	2	3.4	1.1	\$55,723	High school diploma or equivalent	None	Long term on-the-job training
Production	51-9011	Chemical Equipment Operators/Tenders	118	94	79.3	5.6	\$45,901			
Production	51-9023	Mix/Blend Machine Setters, Operators & Tenders	121	51	42.5	6.7	\$34,186	High school diploma or equivalent	None	Moderate term on-the-job training

Production	51-9041	Extruding/Forming/Compacting Machine Operators	64	3	4.1	0.8	\$35,023	High school diploma or equivalent	None	Moderate term on-the-job training
				7	10.6	1				
				19	29.9	3.4				
				15	23.2	3.9				
				1	1.7	0.3				
				1	1.6	0.1				
				1	0.9	0.2				
				1	0.8	0				
				3	4.5	0.6				
				30	6.6	2.2				
3	0.7	1.9								
4	0.9	4.6								
2	0.4	2.4								
2	0.4	2.9								
6	1.3	1.7								
5	1.1	1.6								
4	0.9	1.1								
1	0.3	1.2								
22	4.8	3.2								
25	5.6	4.7								
8	1.8	2.1								
10	2.3	3.2								
40	8.9	2.9								
21	4.7	2.3								
25	5.4	2.8								
9	2	3								
45	10	3.4								
5	1	1.3								
13	2.9	2.7								
127	30.3	7.8								
22	5.2	10.3								
1	0.3	1.3								
1	0.2	0.8								
3	0.6	0.6								
8	1.9	2.1								
4	0.9	0.8								
2	0.4	1.5								
50	11.8	6								
15	3.6	2.2								
5	1.3	1.2								
3	0.6	0.6								
7	1.6	0.4								
2	0.4	0.5								
2	0.4	0.1								
1	0.3	0.4								
7	1.6	1.1								
62	10.9	2								
2	0.3	0.5								
1	0.1	0.4								
1	0.1	0.4								
1	0.1	0.2								
1	0.2	2.1								
10	1.7	1.1								
14	2.4	1.8								
5	0.9	0.5								
1	0.2	0.5								
20	3.5	1.2								
14	2.4	1								
12	2.1	1.3								
10	1.7	1.2								
22	3.8	0.7								
17	2.9	0.7								
7	1.3	0.4								
8	1.4	1.1								
27	4.8	0.9								
4	0.7	0.5								
16	2.8	1.4								
Production	51-9199	Production Workers, All Other	570			\$31,298	High school diploma or equivalent	None	Moderate term on-the-job training	
Production	51-9111	Packaging & Filling Machine Operators & Tenders	420			\$23,403	High school diploma or equivalent	None	Moderate term on-the-job training	
Production	51-9061	Inspectors, Testers, Sorters & Weighers	454			\$34,512	High school diploma or equivalent	None	Moderate term on-the-job training	

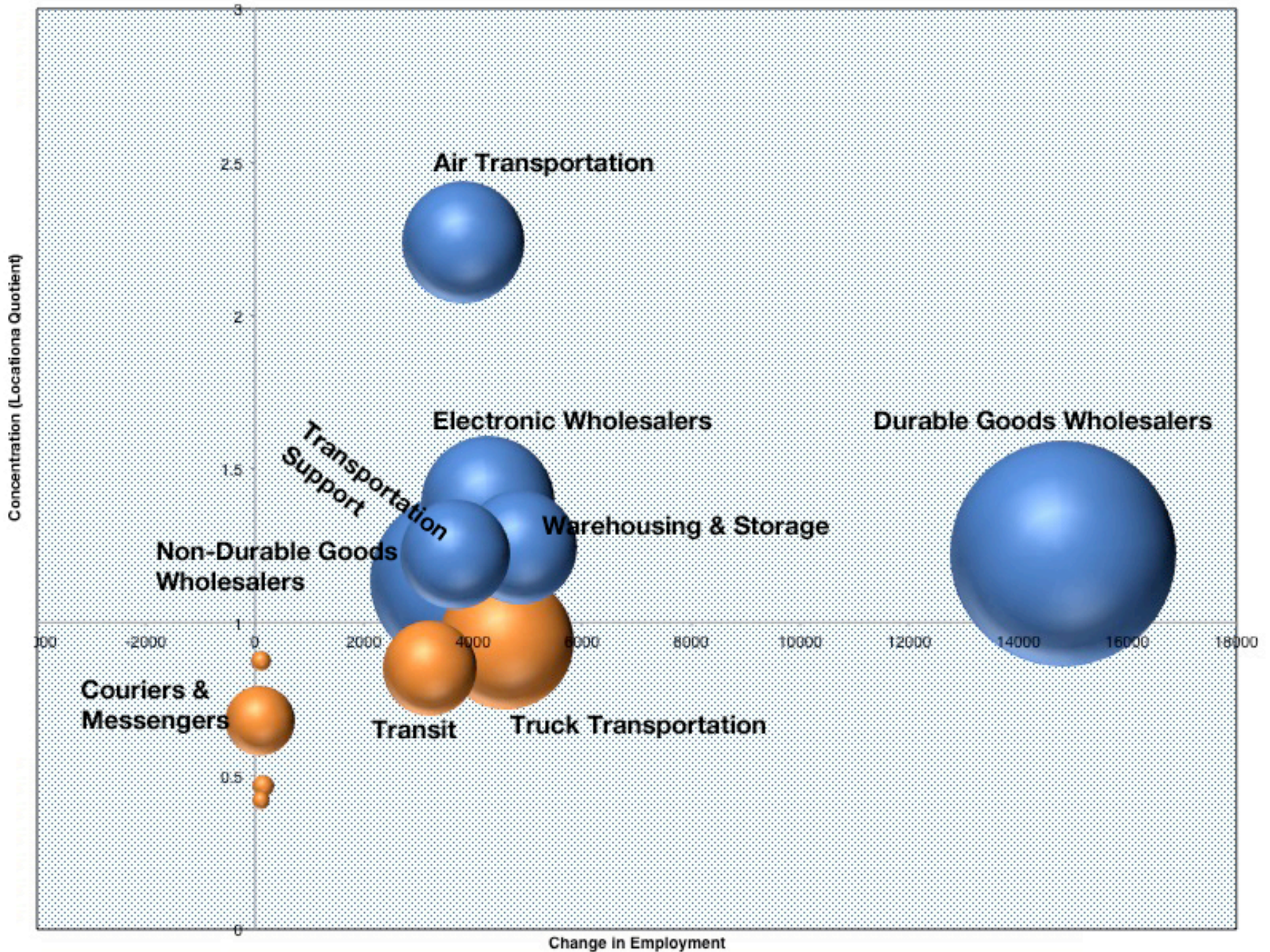
TRANSPORTATION, DISTRIBUTION & LOGISTICS

LEADING, EMERGING AND MATURING INDUSTRIES IN THE NORTHEASTERN REGION

NAICS	DESCRIPTION	2012 Employment	2022 Employment	Employment Change 2012-22	Growth Rate	LQ	Industry Class
423	Merchant Wholesalers, Durable Goods	113,964	128,791	14,827	13.0%	1.22	Leading
424	Merchant Wholesalers, Nondurable Goods	73,360	77,081	3,721	5.1%	1.14	Leading
425	Wholesale Electronic Markets and Agents and Brokers	40,097	44,374	4,277	10.7%	1.39	Leading
481	Air Transportation	33,885	37,695	3,810	11.2%	2.24	Leading
483	Water Transportation	1,024	1,166	142	13.9%	0.47	Emerging
484	Truck Transportation	41,410	46,003	4,593	11.1%	0.94	Emerging
485	Transit and Ground Passenger Transportation	19,062	22,262	3,200	16.8%	0.85	Emerging
486	Pipeline Transportation	617	723	106	17.2%	0.42	Emerging
487	Scenic and Sightseeing Transportation	855	955	100	11.7%	0.87	Emerging
488	Support Activities for Transportation	26,346	30,024	3,678	14.0%	1.22	Leading
492	Couriers and Messengers	11,811	11,909	98	0.8%	0.68	Emerging
493	Warehousing and Storage	28,048	32,914	4,866	17.3%	1.24	Leading

TRANSPORTATION, DISTRIBUTION & LOGISTICS

LEADING, EMERGING AND MATURING INDUSTRIES IN THE NORTHEASTERN REGION



TRANSPORTATION, DISTRIBUTION & LOGISTICS

INDUSTRIES FOR PRINCIPAL OCCUPATIONS IN THE NORTHEAST REGION

NAICS	DESCRIPTION	Pathway	SOC Code	SOC Title	Average Annual Job Openings	Annual Occupational Openings in Industry		2022 Percent of Industry	
						2022	Percent of Industry	2022	Percent of Industry
423	Merchant Wholesalers, Durable Goods					5	5.9	0.1	0.1
424	Merchant Wholesalers, Nondurable Goods				78	4	4.6	0.2	0.2
425	Wholesale Electronic Markets and Agents and Brokers	Logistics Planning and Management Services	11-3061	Purchasing Managers**		1	1.3	0.1	0.1
423	Merchant Wholesalers, Durable Goods					7	6.2	0.2	0.2
424	Merchant Wholesalers, Nondurable Goods					10	8.6	0.5	0.5
425	Wholesale Electronic Markets and Agents and Brokers					2	1.4	0.1	0.1
481	Air Transportation					3	2.2	0.6	0.6
482	Rail Transportation					5	3.8	1.9	1.9
483	Water Transportation	Warehousing and Distribution Center Operations	11-3071	Transportation, Storage & Distribution Managers**	120	1	0.5	0.7	0.7
484	Truck Transportation					12	10	0.7	0.7
485	Transit and Ground Passenger Transportation					1	1.2	0.3	0.3
488	Support Activities for Transportation					6	5.2	0.8	0.8
492	Couriers and Messengers					4	3.1	0.7	0.7
493	Warehousing and Storage					11	9.1	1.3	1.3
424	Merchant Wholesalers, Nondurable Goods		13-1041	Compliance Officers**	94	1	1	0.1	0.1
424	Merchant Wholesalers, Nondurable Goods	Health, Safety and Environmental Management				1	1	0.1	0.1
423	Merchant Wholesalers, Durable Goods					4	3.6	0.2	0.2
424	Merchant Wholesalers, Durable Goods					2	2.3	0.2	0.2
425	Wholesale Electronic Markets and Agents and Brokers					1	1.2	0.2	0.2
481	Air Transportation	Logistics Planning and Management Services	13-1081	Logisticians**	101	1	0.6	0.2	0.2
484	Truck Transportation					1	1.2	0.1	0.1
488	Support Activities for Transportation					2	1.6	0.3	0.3
492	Couriers and Messengers					1	0.5	0.1	0.1
493	Warehousing and Storage					2	2.1	0.4	0.4
423	Merchant Wholesalers, Durable Goods					3	1.8	0.1	0.1
424	Merchant Wholesalers, Nondurable Goods					1	0.5	0.1	0.1
425	Wholesale Electronic Markets and Agents and Brokers	Warehousing and Distribution Center Operations	17-2112	Industrial Engineers (Supply Chain Engineer)	184	1	0.3	0.1	0.1
492	Couriers and Messengers					1	0.3	0.2	0.2
493	Warehousing and Storage					1	0.7	0.2	0.2
423	Merchant Wholesalers, Durable Goods				89	5	5.2	0.3	0.3
425	Wholesale Electronic Markets and Agents and Brokers	Transportation Systems/Infrastructure Planning, Mgt. a	17-3023	Electrical & Electronic Engineering Technicians**		1	0.7	0.1	0.1
423	Merchant Wholesalers, Durable Goods					27	2.5	1.3	1.3
424	Merchant Wholesalers, Durable Goods					17	1.6	1.2	1.2
425	Wholesale Electronic Markets and Agents and Brokers					9	0.8	1.2	1.2
481	Air Transportation					7	0.6	2.3	2.3
482	Rail Transportation	Logistics Planning and Management Services	43-1011	1st-Line Supvrs./Mgns. Office & Adm. Support Wkrs**	1,086	1	0.1	0.5	0.5
484	Truck Transportation					7	0.6	0.6	0.6
485	Transit and Ground Passenger Transportation					2	0.2	0.6	0.6
488	Support Activities for Transportation					11	1	2.3	2.3
492	Couriers and Messengers					7	0.6	2.1	2.1
493	Warehousing and Storage					8	0.7	1.3	1.3
481	Air Transportation					38	58.2	17.2	17.2
485	Transit and Ground Passenger Transportation	Sales and Service	43-4181	Reservation/Trans. Ticket Agents & Travel Clerks	65	1	0.9	1.5	1.5
487	Septic and Sightseeing Transportation					3	3.9	0.9	0.9
488	Support Activities for Transportation					1	1	3.9	3.9
424	Merchant Wholesalers, Nondurable Goods					3	4.9	0.9	0.9
425	Wholesale Electronic Markets and Agents and Brokers					1	0.4	0	0
481	Air Transportation					1	0.3	0	0
482	Rail Transportation					21	9.5	2.1	2.1
483	Water Transportation	Sales and Service	43-5011	Cargo & Freight Agents (Route Planners)	226	1	0.3	0.1	0.1
484	Truck Transportation					3	1.2	1.5	1.5
488	Support Activities for Transportation					19	8.3	0.5	0.5
492	Couriers and Messengers					144	63.6	8.4	8.4
493	Warehousing and Storage					17	7.6	1.4	1.4
423	Merchant Wholesalers, Durable Goods					5	2.1	0.2	0.2
424	Merchant Wholesalers, Nondurable Goods					6	2.9	0.2	0.2
425	Wholesale Electronic Markets and Agents and Brokers					4	1.9	0.2	0.2
481	Air Transportation					1	0.4	0.1	0.1
482	Rail Transportation					2	0.8	0.4	0.4
484	Truck Transportation	Transportation Operations	43-5032	Dispatchers**	207	3	1.4	1.4	1.4
485	Transit and Ground Passenger Transportation					37	17.9	2.6	2.6
488	Support Activities for Transportation					16	7.8	3.2	3.2
492	Couriers and Messengers					16	7.9	2.4	2.4
493	Warehousing and Storage					6	3.1	1.3	1.3
42	Wholesale Trade					2	1.2	0.3	0.3
423	Merchant Wholesalers, Durable Goods					17	8.3	0.4	0.4
424	Merchant Wholesalers, Nondurable Goods					8	4	0.4	0.4
425	Wholesale Electronic Markets and Agents and Brokers					6	3.1	0.4	0.4
481	Air Transportation					2	1.2	0.3	0.3
482	Rail Transportation					3	1.4	1.4	1.4
484	Truck Transportation	Warehousing and Distribution Center Operations	43-5061	Production, Planning, & Expediting Clerks**	201	1	0.6	0.4	0.4
488	Support Activities for Transportation					1	0.7	0.1	0.1
492	Couriers and Messengers					3	1.4	0.6	0.6
493	Warehousing and Storage					1	0.5	0.3	0.3
423	Merchant Wholesalers, Durable Goods					4	2.1	0.8	0.8
424	Merchant Wholesalers, Durable Goods					92	13.5	3.2	3.2
425	Wholesale Electronic Markets and Agents and Brokers					53	7.8	2.7	2.7
481	Air Transportation					18	2.7	1.7	1.7
483	Water Transportation					1	0.1	0.2	0.2
484	Truck Transportation					1	0.1	0.5	0.5
488	Support Activities for Transportation	Warehousing and Distribution Center Operations	43-5071	Shipping, Receiving, & Traffic Clerks**	682	6	0.9	0.4	0.4
484	Truck Transportation					6	0.9	0.4	0.4
488	Support Activities for Transportation					12	1.8	1.8	1.8

492	Couriers and Messengers					34	5	7.2
423	Warehousing and Storage					32	4.7	4.1
481	Air Transportation	Facility and Mobile Equipment Maintenance	49-3011	Aircraft Mechanics & Service Technicians		22	23.7	7.3
488	Support Activities for Transportation				91	32	34.7	6.3
492	Couriers and Messengers					3	3.6	0.9
423	Merchant Wholesalers, Durable Goods					2	1.5	0.1
425	Wholesale Electronic Markets and Agents and Brokers	Facility and Mobile Equipment Maintenance	49-3021	Automotive Body & Related Repairers		165	1	0.6
484	Truck Transportation					1	0.5	0.1
423	Merchant Wholesalers, Durable Goods					11	1.7	0.4
424	Merchant Wholesalers, Nondurable Goods					1	0.1	0
425	Wholesale Electronic Markets and Agents and Brokers					2	0.3	0.2
484	Truck Transportation	Facility and Mobile Equipment Maintenance	49-3023	Automotive Service Technicians & Mechanics**		3	0.5	0.2
488	Support Activities for Transportation				667	3	0.4	0.6
492	Couriers and Messengers					5	0.8	0.9
493	Warehousing and Storage					1	0.2	0.3
423	Merchant Wholesalers, Durable Goods					1	0.1	0.1
424	Merchant Wholesalers, Nondurable Goods					21	10.6	1
425	Wholesale Electronic Markets and Agents and Brokers					5	2.4	0.3
481	Air Transportation					1	0.7	0.2
482	Rail Transportation					1	0.3	0.2
484	Truck Transportation	Facility and Mobile Equipment Maintenance	49-3031	Bus & Truck Mechanics & Diesel Eng. Specialists**		2	0.9	1.2
485	Transit and Ground Passenger Transportation				197	37	18.6	3.5
488	Support Activities for Transportation					10	5	2.6
492	Couriers and Messengers					3	1.6	0.6
493	Warehousing and Storage					4	1.8	1
482	Rail Transportation	Facility and Mobile Equipment Maintenance	49-3043	Rail Car Repairers		2	0.8	0.3
488	Support Activities for Transportation				52	28	53.5	5.2
423	Merchant Wholesalers, Durable Goods	Facility and Mobile Equipment Maintenance	49-3093	Tire Repairers & Changers		15	28.3	0.9
484	Truck Transportation				99	2	2.5	0.1
423	Merchant Wholesalers, Durable Goods					1	1.3	0.1
424	Merchant Wholesalers, Nondurable Goods					8	2.7	0.5
425	Wholesale Electronic Markets and Agents and Brokers					4	1.5	0.4
486	Pipeline Transportation	Warehousing and Distribution Center Operations	51-1011	1st-Line Supervisors/Managers/Operators/Workers**		292	1	0.4
488	Support Activities for Transportation					1	0.2	3.9
493	Warehousing and Storage					1	0.3	0.3
423	Merchant Wholesalers, Durable Goods					1	0.5	0.4
424	Merchant Wholesalers, Nondurable Goods					20	8.6	0.5
425	Wholesale Electronic Markets and Agents and Brokers					23	9.9	0.9
481	Air Transportation	Warehousing and Distribution Center Operations	53-1021	1st-Line Supervisors/Managers/Helpers & Laborers		4	1.6	0.3
484	Truck Transportation				232	1	0.4	0.2
488	Support Activities for Transportation					11	4.9	0.6
492	Couriers and Messengers					8	3.5	0.9
493	Warehousing and Storage					22	9.6	3.6
42	Wholesale Trade					32	13.7	3.2
423	Merchant Wholesalers, Durable Goods					18	14.5	0.5
424	Merchant Wholesalers, Nondurable Goods					6	4.7	0.3
425	Wholesale Electronic Markets and Agents and Brokers					11	8.9	0.9
481	Air Transportation					1	1	0.2
482	Rail Transportation	Warehousing and Distribution Center Operations	53-1031	1st-Line Supervisors/Managers/Tractor Machine Operators**		122	2	1.4
484	Truck Transportation					18	14.6	2.2
485	Transit and Ground Passenger Transportation					6	4.6	1.9
488	Support Activities for Transportation					5	4.1	1.3
492	Couriers and Messengers					6	4.6	2
493	Warehousing and Storage					6	4.7	1.3
481	Air Transportation	Transportation Operations	53-2011	Airline Pilots, Co-pilots, Flight Engineers		267	231	86.5
488	Support Activities for Transportation					3	1.2	0.1
481	Air Transportation	Transportation Operations	53-2031	Flight Attendants		285	98.2	19.1
488	Support Activities for Transportation				290	1	0.5	0.1
485	Transit and Ground Passenger Transportation	Transportation Operations	53-3021	Bus Drivers, Transit & Inter-city		83	42.3	15.1
487	Scientific and Sightseeing Transportation				196	5	2.8	16.4
485	Transit and Ground Passenger Transportation	Transportation Operations	53-3022	School Bus Drivers		459	189	41.2
423	Merchant Wholesalers, Durable Goods					41	3.2	2
424	Merchant Wholesalers, Nondurable Goods					100	7.9	7.3
425	Wholesale Electronic Markets and Agents and Brokers					6	0.5	0.8
484	Truck Transportation	Transportation Operations	53-3032	Truck Drivers, Heavy & Tractor Trailer**		588	46.3	59.7
486	Pipeline Transportation				1,270	1	0.1	2.8
488	Support Activities for Transportation					39	3.1	8.5
492	Couriers and Messengers					19	1.5	5.6
493	Warehousing and Storage					28	2.2	5.3
423	Merchant Wholesalers, Durable Goods					58	8.4	2.5
424	Merchant Wholesalers, Nondurable Goods					53	7.6	3.2
425	Wholesale Electronic Markets and Agents and Brokers					12	1.8	1.4
482	Rail Transportation	Transportation Operations	53-3033	Truck Drivers, Light & Delivery Services		692	1	0.1
484	Truck Transportation					42	6.1	3.6
488	Support Activities for Transportation					8	1.2	1.5
492	Couriers and Messengers					118	17.1	30.5
493	Warehousing and Storage					13	1.9	2.1
482	Rail Transportation	Transportation Operations	53-4031	Railroad Conductors & Yardmasters		57	90.1	17.3
488	Support Activities for Transportation				63	1	1.3	0.1

TRANSPORTATION, DISTRIBUTION & LOGISTICS INDUSTRIES FOR PRINCIPAL OCCUPATIONS IN THE NORTHEAST REGION

NAICS	SOC Code	SOC Title	Average Annual Job Openings in Occupations	2022 Percent		Median Annual Wage	Education Entry Level	Experience Entry Level	Training Entry Level
				2022 Percent	2022 Percent				
			Annual Job Openings	5	5.2	0.1			
				4	4.6	0.2			
				1	1.3	0.1			
Logistics Planning and Management Services	11-3001	Purchasing Managers**	78	7	6.2	0.2	Bachelor's degree	More than 5 year	None
			1	10	8.6	0.5			
			2	2	1.4	0.1			
			3	3	2.2	0.6			
			5	3.8	1.9				
Warehousing and Distribution Center Operations	11-3071	Transportation, Storage & Distribution Managers**	120	1	0.5	0.7	High school diploma or equivalent	More than 5 year	None
			12	1	1.2	0.3			
			10	6	5.2	0.8			
			4	4	3.1	0.7			
			11	9.1	1.3				
			1	1	1	0.1			
			2	2	2.1	0.4			
			3	1.8	0.1				
			1	1	0.5	0.1			
			1	1	0.3	0.1			
Health, Safety and Environmental Management	13-1041	Compliance Officers**	94	1	1	0.1	Bachelor's degree	None	Moderate-term-on-the-job training
			1	4	3.6	0.2			
Logistics Planning and Management Services	13-1081	Logisticians**	101	1	1.2	0.2	Bachelor's degree	1 to 5 years	None
			1	1	0.6	0.2			
			1	1	1.2	0.1			
			2	1.6	0.3				
			1	1	0.5	0.1			
Warehousing and Distribution Center Operations	17-2112	Industrial Engineers (Supply Chain Engineer)	184	1	0.3	0.1	Bachelor's degree	None	None
			1	1	0.3	0.2			
			1	1	0.2	0.2			
			1	0.2	0.2				
			1	0.2	0.2				
Transportation System/Infrastructure Planning, Mgt. or 17-3023	Electrical & Electronic Engineering Technicians**	89	5	5.2	0.3	Associate's degree	None	None	
		1	1	0.7	0.1				
		27	2.5	1.3					
		17	1.6	1.2					
		9	0.8	1.2					
		7	0.6	2.3					
		1	0.1	0.5					
		1	0.6	0.6					
		2	0.2	0.6					
		11	1	2.1					
Logistics Planning and Management Services	43-1011	1st-Line Supervisors/Office & Admin Support Wks**	1,086	7	0.6	0.6	High school diploma or equivalent	1 to 5 years	None
			1	1	0.1	0.1			
			1	1	0.3	0.1			
			1	1	1.2	1.5			
			3	1.2	0.5				
			19	8.3	0.5				
			144	63.6	8.4				
			117	7.6	1.4				
			5	2.1	0.2				
			6	2.9	0.2				
Sales and Service	43-4181	Reservation/Traffic Ticket Agents & Travel Clerks	65	1	0.9	1.9	High school diploma or equivalent	None	Short-term-on-the-job training
			3	3	3.9	0.9			
			1	1	1	3.9			
			3	4.9	0.9				
			1	0.4	0				
Sales and Service	43-5011	Cargo & Freight Agents (Route Planners)	226	1	0.3	2.1	High school diploma or equivalent	None	Short-term-on-the-job training
			1	1	0.9	0.1			
			1	1	0.3	0.1			
			16	7.8	3.2				
			16	7.9	2.4				
Transportation Operators	43-5022	Dispatchers**	207	3	1.4	1.4	High school diploma or equivalent	None	Moderate-term-on-the-job training
			37	17.9	2.6				
			16	7.8	3.2				
			16	7.9	2.4				
			6	3.1	1.3				
			2	1.2	0.3				
			17	8.3	0.4				
			8	4	0.4				
			6	3.1	0.4				
			2	1.2	0.3				
Warehousing and Distribution Center Operations	43-5061	Production, Planning, & Expediting Clerks**	201	1	0.6	0.4	High school diploma or equivalent	None	Moderate-term-on-the-job training
			1	0.7	0.1				
			3	1.4	0.6				
			1	0.5	0.3				
			4	2.1	0.8				
Warehousing and Distribution Center Operations	43-5071	Shipping, Receiving, & Traffic Clerks**	682	92	13.5	3.2	High school diploma or equivalent	None	Short-term-on-the-job training
			53	7.8	2.7				
			18	2.7	1.7				
			1	0.1	0.2				
			1	0.1	0.2				
			6	0.9	0.4				
			13	1.8	1.8				
			3.4	1.8	1.8				
			3.4	1.8	1.8				
			3.4	1.8	1.8				
Facility and Mobile Equipment Maintenance	49-3011	Aircraft Mechanics & Service Technicians	91	1	0.7	0	Postsecondary non-degree award	None	None
			22	23.7	7.3	\$67,122			
			32	34.7	6.3				
			3	3.6	0.9				
			2	1.5	0.1	\$51,224			
Facility and Mobile Equipment Maintenance	49-3021	Automotive Body & Related Repairs	165	1	0.5	0.1	High school diploma or equivalent	None	Moderate-term-on-the-job training
			1	1	1.7	0.4			
			1	0.1	0.1				
			1	0.1	0.1				
			1	0.1	0.1				
Facility and Mobile Equipment Maintenance	49-3023	Automotive Service Technicians & Mechanics**	667	2	0.3	0.2	High school diploma or equivalent	None	Long-term-on-the-job training
			3	0.5	0.2	\$41,509			
			3	0.4	0.9				
			3	0.8	0.9				
			1	0.2	0.3				
Facility and Mobile Equipment Maintenance	49-3031	Bus & Truck Mechanics & Diesel Eng. Specialists**	197	21	10.6	1	High school diploma or equivalent	None	Long-term-on-the-job training
			5	2.4	0.3				
			1	0.7	0.2				
			1	0.3	0.2				
			2	0.9	1.2	\$50,482			
37	18.6	3.5							
10	5	2.6							
3	1.6	0.6							

				4	1.8	1					
				2	0.6	0.3					
Facility and Mobile Equipment Maintenance	493043	Rail Car Repairers	52	28	53.5	5.2	High school diploma or equivalent	None	Long term on-the-job training		
Facility and Mobile Equipment Maintenance	493093	Tire Repairers & Changers	15	28.3	0.9		High school diploma or equivalent	None	Moderate term on-the-job training		
			99	2	2.5	0.1					
				1	1.3	0.2					
				8	2.7	0.9					
				4	1.5	0.4					
Warehousing and Distribution Center Operations	510011	1st-Line Supvr./Mgrs. Prod/Operating Workers**	292	1	0.4	0.2	High school diploma or equivalent	1 to 5 years	None		
				1	0.2	3.9	High school diploma or equivalent	1 to 5 years	None		
				1	0.3	0.3					
				1	0.5	0.4					
				20	8.6	0.5					
				23	9.9	0.9					
				4	1.6	0.3					
				4	1.6	0.3					
Warehousing and Distribution Center Operations	531021	1st-Line Supvr./Mgrs. Heigers & Labors	232	1	0.4	0.2	High school diploma or equivalent	1 to 5 years	None		
				11	4.9	0.6					
				8	3.5	0.9					
				12	9.4	3.6					
				32	13.2	3.2					
				18	14.5	0.9					
				6	4.7	0.3					
				11	8.9	0.9					
				1	1	0.2					
				1	0.9	0.5					
Warehousing and Distribution Center Operations	531031	1st-Line Supvr./Mgrs. Trans. Machine Operators**	122	2	1.4	1.4	High school diploma or equivalent	1 to 5 years	None		
				18	14.6	2.2					
				6	4.6	1.9					
				5	4.1	1.3					
				6	4.6	2					
				6	4.7	1.3					
Transportation Operators	533011	Airline Pilots, Co-pilots, Flight Engineers	267	232	86.5	13.2	High school diploma or equivalent	1 to 5 years	Long term on-the-job training		
				3	1.3	0.1					
Transportation Operators	533031	Flight Attendants	290	285	86.2	19.1	High school diploma or equivalent	None	Moderate term on-the-job training		
				1	0.5	0.1					
Transportation Operators	533021	Bus Drivers, Transit & Inevcity	196	83	42.3	15.1	High school diploma or equivalent	None	Moderate term on-the-job training		
				5	2.8	16.4					
Transportation Operators	533022	School Bus Drivers	459	189	41.2	41.1	High school diploma or equivalent	None	Moderate term on-the-job training		
				41	3.2	2					
				100	7.9	7.3					
				6	0.5	0.8					
Transportation Operators	533032	Truck Drivers, Heavy & Tractor Trailer**	1,270	588	46.3	59.7	High school diploma or equivalent	1 to 5 years	Short term on-the-job training		
				1	0.1	2.8					
				39	3.1	8.5					
				19	1.5	5.6					
				38	2.2	5.2					
				56	8.4	2.9					
				52	7.6	3.2					
				12	1.8	1.4					
Transportation Operators	533033	Truck Drivers, Light & Delivery Services	692	1	0.1	0.5	High school diploma or equivalent	None	Short term on-the-job training		
				42	6.1	3.6					
				118	17.1	30.5					
				13	1.9	2.1					
Transportation Operators	534031	Railroad Conductors & Yardmasters	63	57	90.1	17.3	High school diploma or equivalent	None	Moderate term on-the-job training		
				1	1.3	0.1					

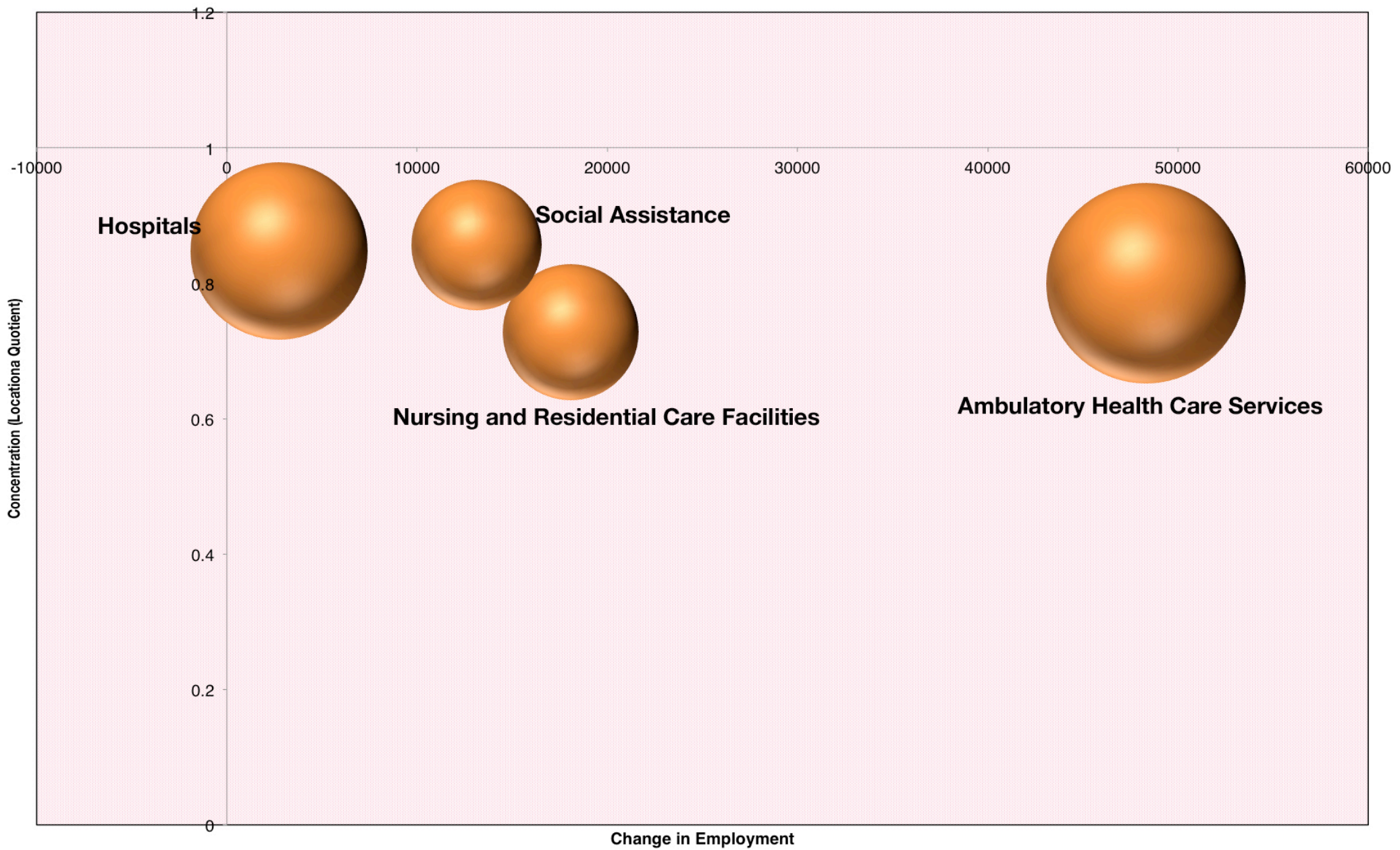
HEALTH CARE

LEADING, EMERGING AND MATURING INDUSTRIES IN THE NORTHEAST REGION

NAICS	DESCRIPTION	2012 Employment	2022 Employment	Employment Change 2012- 22	% Change 2012-22	2014 LQ	Class
621	Ambulatory Health Care Services	169,318	217,633	48,315	28.5%	0.80	Emerging
622	Hospitals	168,462	171,202	2,740	1.6%	0.85	Emerging
623	Nursing and Residential Care Facilities	81,533	99,606	18,073	22.2%	0.73	Emerging
624	Social Assistance	79,503	92,619	13,116	16.5%	0.86	Emerging

HEALTH CARE

LEADING, EMERGING AND MATURING INDUSTRIES IN THE NORTHEAST REGION



HEALTH CARE

INDUSTRIES FOR PRINCIPAL OCCUPATIONS IN THE NORTHEASTERN REGION

NAICS	Description	Pathway	SOC Code	SOC Title	Average Annual Job Openings	2022 Percent of Occupation in this Industry		
						Annual Occupation Openings in this Industry	2022 Percent of Employment in this Industry that is in this Occupation	
621	Ambulatory Health Care Services				17	5.9	0.2	
622	Hospitals		11-3011	Administrative Services Managers **	281	17	6	0.3
623	Nursing and Residential Care Facilities				7	2.5	0.2	
624	Social Assistance				5	1.7	0.2	
622	Hospitals				1	0.6	0	
623	Nursing and Residential Care Facilities		11-9051	Food Service Managers**	176	4	2.2	0.2
624	Social Assistance				1	0.3	0	
621	Ambulatory Health Care Services				90	30	1.3	
622	Hospitals		11-9111	Medical & Health Services Managers	109	36.4	2.1	
623	Nursing and Residential Care Facilities				32	10.8	1.1	
624	Social Assistance				6	1.9	0.2	
621	Ambulatory Health Care Services				17	29.1	0.4	
622	Hospitals		21-1011	Substance Abuse/Bhvr Dsrdr Counslr's**	58	5	8.4	0.1
623	Nursing and Residential Care Facilities				13	22	0.7	
624	Social Assistance				9	15.1	0.5	
621	Ambulatory Health Care Services				41	30.4	0.6	
622	Hospitals		21-1014	Mental Health Counselors**	135	14	10	0.3
623	Nursing and Residential Care Facilities				24	17.6	0.7	
624	Social Assistance				27	20.1	0.9	
622	Hospitals				2	2.8	0.1	
624	Social Assistance		21-1015	Rehabilitation Counselors	84	38	45.7	1.8
621	Ambulatory Health Care Services				27	25.1	0.5	
622	Hospitals				27	25.1	0.5	
623	Nursing and Residential Care Facilities		21-1093	Social & Human Services Assistants**	263	8	3.1	0.2
624	Social Assistance				45	17.1	2	
621	Ambulatory Health Care Services				107	40.7	5.1	
622	Hospitals				10	18.3	0.1	
623	Nursing and Residential Care Facilities		21-1094	Community Health Workers	55	4	7.7	0.1
624	Social Assistance				3	5.7	0.1	
621	Ambulatory Health Care Services				16	28.7	0.4	
622	Hospitals		29-1011	Chiropractors	66	1	0.8	0
623	Nursing and Residential Care Facilities				5	4.4	0.1	
624	Social Assistance				5	4.4	0.1	
621	Ambulatory Health Care Services		29-1041	Optometrists	69	53	76.3	0.4
622	Hospitals				1	0.9	0	
623	Nursing and Residential Care Facilities		21-1099	Community/Social Services Specialists, All Other	115	4	3.2	0.1
624	Social Assistance				4	3.8	0.1	
621	Ambulatory Health Care Services				30	25.9	0.9	
622	Hospitals		29-1051	Pharmacists	250	63	25.3	1.3
623	Nursing and Residential Care Facilities				1	0.2	0	
624	Social Assistance				52	71.4	1	
621	Ambulatory Health Care Services		29-1071	Physician Assistants	73	14	19.6	0.4
622	Hospitals				43	39.9	0.7	
623	Nursing and Residential Care Facilities		29-1122	Occupational Therapists	109	29	26.2	0.6
624	Social Assistance				10	9	0.3	
621	Ambulatory Health Care Services				4	3.9	0.2	
622	Hospitals		29-1123	Physical Therapists	399	225	56.3	1.8
623	Nursing and Residential Care Facilities				100	25	1	
624	Social Assistance				27	6.7	0.5	
621	Ambulatory Health Care Services				5	1.2	0.1	
622	Hospitals		29-1126	Respiratory Therapists	61	5	7.6	0.1
623	Nursing and Residential Care Facilities				49	79.8	1.7	
624	Social Assistance				3	4.1	0.1	
621	Ambulatory Health Care Services				46	28.4	0.5	
622	Hospitals		29-1127	Speech-Language Pathologists	163	22	13.6	0.3
623	Nursing and Residential Care Facilities				8	4.9	0.2	
624	Social Assistance				7	4.2	0.2	
621	Ambulatory Health Care Services				482	20.1	7.4	
622	Hospitals		29-1141	Registered Nurses	2400	1,421	59.2	28.9
623	Nursing and Residential Care Facilities				168	7	5.8	
624	Social Assistance				22	0.9	0.8	
621	Ambulatory Health Care Services				68	62	1	
622	Hospitals		29-1171	Nurse Practitioners	109	28	25.4	0.6
623	Nursing and Residential Care Facilities				3	2.4	0.1	
624	Social Assistance				1	0.8	0	

621	Ambulatory Health Care Services				Diagnostic Services	29-2011	Med & Clinical Lab Technologists	101	33	32.3	0.7
622	Hospitals							58	57	1.6	
621	Ambulatory Health Care Services				Diagnostic Services	29-2012	Medical & Clinical Lab Technicians	178	79	44.3	1.1
622	Hospitals							74	74	41.4	1.3
623	Nursing and Residential Care Facilities							1	0.5	0	
621	Ambulatory Health Care Services				Therapeutic Services	29-2021	Dental Hygienists	204	204	97.4	2.8
622	Hospitals							1	0.3	0	
621	Ambulatory Health Care Services				Diagnostic Services	29-2032	Diagnostic Medical Sonographers	65	26	39.9	0.4
622	Hospitals							36	55.8	0.7	
621	Ambulatory Health Care Services				Diagnostic Services	29-2034	Radiologic Technologists/Technicians	113	41	36.7	1
622	Hospitals							64	56.9	2.1	
621	Ambulatory Health Care Services				Therapeutic Services	29-2041	Emergency Medical Techs & Paramedics	326	179	55	1.8
622	Hospitals							50	15.2	0.7	
621	Ambulatory Health Care Services				Therapeutic Services	29-2052	Pharmacy Technicians	301	11	3.5	0.2
622	Hospitals							1	0.2	0	
621	Ambulatory Health Care Services				Therapeutic Services	29-2061	Licensed Practical Nurses	710	205	28.9	3
622	Hospitals							116	16.3	2.3	
623	Nursing and Residential Care Facilities							278	39.1	9.1	
624	Social Assistance							10	1.4	0.4	
621	Ambulatory Health Care Services				Health Informatics	29-2071	Med Records & Health Info Technicians	206	73	35.4	0.9
622	Hospitals							77	37.6	1.3	
623	Nursing and Residential Care Facilities							18	8.9	0.5	
624	Social Assistance							1	0.4	0	
621	Ambulatory Health Care Services							69	53.4	0.5	
621	Ambulatory Health Care Services				Health Informatics	29-2081	Opticians, Dispensing	129	69	53.4	0.5
622	Hospitals							1	0.4	0	
622	Hospitals							1	0.4	0	
621	Ambulatory Health Care Services				Health Informatics	29-9091	Athletic Trainers**	67	20	30.3	0.1
622	Hospitals							8	12.6	0.1	
622	Hospitals							8	12.6	0.1	
621	Ambulatory Health Care Services				Therapeutic Services	31-1014	Nursing Assistants	1491	134	9	1.8
622	Hospitals							364	24.4	6.6	
623	Nursing and Residential Care Facilities							804	53.9	24.4	
624	Social Assistance							28	1.9	1	
621	Ambulatory Health Care Services				Therapeutic Services	31-2011	Occupational Therapist Assistants	61	31	50.8	0.2
622	Hospitals							11	17.8	0.1	
623	Nursing and Residential Care Facilities							13	20.5	0.2	
624	Social Assistance							2	3.1	0	
621	Ambulatory Health Care Services				Therapeutic Services	31-2021	Physical Therapist Assistants	119	73	61.2	0.7
622	Hospitals							27	22.9	0.3	
623	Nursing and Residential Care Facilities							14	12.1	0.3	
624	Social Assistance							1	0.7	0	
621	Ambulatory Health Care Services				Therapeutic Services	31-2022	Physical Therapist Aides	106	72	67.9	0.5
622	Hospitals							22	21	0.2	
623	Nursing and Residential Care Facilities							8	7.3	0.1	
621	Ambulatory Health Care Services				Health Informatics	31-9011	Massage Therapists	152	37	24.6	0.5
622	Hospitals							37	24.6	0.5	
622	Hospitals							1	0.6	0	
622	Hospitals							1	0.6	0	
621	Ambulatory Health Care Services				Therapeutic Services	31-9091	Dental Assistants	247	236	95.4	4.1
622	Hospitals							2	0.7	0	
621	Ambulatory Health Care Services				Health Informatics	31-9092	Medical Assistants	481	383	79.7	6.6
622	Hospitals							60	12.4	1.4	
623	Nursing and Residential Care Facilities							10	2	0.4	
621	Ambulatory Health Care Services				Health Informatics	31-9097	Phebotomists	66	39	58.9	0.9
622	Hospitals							39	58.9	0.9	
621	Ambulatory Health Care Services				Health Informatics	31-9099	Healthcare Support Workers, All Other	217	24	36.9	0.7
622	Hospitals							24	36.9	0.7	
621	Ambulatory Health Care Services				Health Informatics	31-9099	Healthcare Support Workers, All Other	217	49	22.5	0.3
622	Hospitals							74	33.9	0.6	
623	Nursing and Residential Care Facilities							18	8.5	0.3	
624	Social Assistance							3	1.6	0.1	
622	Hospitals							11	1.2	0.2	
623	Nursing and Residential Care Facilities				Support Services	35-1012	1st-Line Svcs/Mgrs, Food Prep/Serv ** USE EMP	877	24	2.7	0.7
624	Social Assistance							4	0.5	0.1	
621	Ambulatory Health Care Services				Health Informatics	43-3011	Bill and Account Collectors**	468	55	11.8	0.6
622	Hospitals							22	4.6	0.3	
623	Nursing and Residential Care Facilities							4	0.8	0.1	
624	Social Assistance							1	0.2	0	
621	Ambulatory Health Care Services				Health Informatics	43-4171	Receptionists & Information Clerks **	907	368	40.6	5.3
622	Hospitals							34	3.7	0.6	
623	Nursing and Residential Care Facilities							26	2.9	0.8	
624	Social Assistance							18	2	0.6	

Pathway	SOC Code	SOC Title	Average Annual Job Openings	2022 Percent of Employment in this Industry			Median Annual	Education Entry Level	Experience Entry Level	Training Entry Level
				Annual Occupation Openings in this Industry	Annual Occupation in this Industry	2022 Percent of Employment in this Occupation				
Health Informatics	11-3011	Administrative Services Managers **	281	17	5.9	0.2	\$70,845	High school diploma or equivalent	1 to 5 years	None
				17	6	0.3				
				7	2.5	0.2				
				5	1.7	0.2				
				1	0.6	0				
Support Services	11-9051	Food Service Managers**	176	4	2.2	0.2	\$48,164	High school diploma or equivalent	1 to 5 years	None
				1	0.3	0				
				90	30	1.3				
Health Informatics	11-9111	Medical & Health Services Managers	299	109	36.4	2.1	\$100,758	Bachelor's degree	None	None
				32	10.8	1.1				
				6	1.9	0.2				
				17	29.1	0.4				
				5	8.4	0.1				
				13	22	0.7				
Support Services	21-1011	Substance Abuse/Behavioral Counselors**	58	9	15.1	0.5	\$33,954	High school diploma or equivalent	None	Moderate-term on-the-job training
				41	30.4	0.6				
				14	10	0.3				
				24	17.6	0.7				
				27	20.1	0.9				
Support Services	21-1014	Mental Health Counselors**	135	14	10	0.3	\$39,378	Master's degree	None	Internship/residency
				27	20.1	0.9				
Support Services	21-1015	Rehabilitation Counselors	84	2	2.8	0.1	\$34,975	Master's degree	None	None
				38	45.7	1.8				
				27	25.1	0.5				
Support Services	21-1022	Medical Health Social Workers	106	30	28.4	0.8	\$53,590	Master's degree	None	None
				16	15.1	0.7				
				15	14.6	0.7				
				21	8	0.4				
				8	3.1	0.2				
Support Services	21-1093	Social & Human Services Assistants**	263	45	17.1	2	\$30,257	High school diploma or equivalent	None	Short-term on-the-job training
				107	40.7	5.1				
				10	18.3	0.1				
				4	7.7	0.1				
Support Services	21-1094	Community Health Workers	55	3	5.7	0.1	\$35,788	High school diploma or equivalent	None	Short-term on-the-job training
				16	28.7	0.4				
				5	4.4	0.1				
Support Services	21-1099	Community/Social Services Specialists, All Other	115	4	3.2	0.1	\$37,798	Master's degree	None	None
				4	3.8	0.1				
				30	25.9	0.9				
				46	69.4	0.4				
				1	0.8	0				
Therapeutic Services	29-1011	Chiropractors	66	1	0.8	0	\$50,005	Doctoral or professional degree	None	None
				53	76.3	0.4				
Therapeutic Services	29-1041	Optometrists	69	1	0.9	0	\$90,843	Doctoral or professional degree	None	None
				11	4.2	0.2				
Therapeutic Services	29-1051	Pharmacists	250	63	25.3	1.3	\$121,701	Doctoral or professional degree	None	None
				1	0.2	0				
Therapeutic Services	29-1071	Physician Assistants	73	52	71.4	1	\$86,551	Master's degree	None	None
				14	19.6	0.4				
				43	39.9	0.7				
Therapeutic Services	29-1122	Occupational Therapists	109	29	26.2	0.6	\$80,570	Master's degree	None	None
				10	9	0.3				
				4	3.9	0.2				
				225	56.3	1.8				
				100	25	1				
Therapeutic Services	29-1123	Physical Therapists	399	27	6.7	0.5	\$80,579	Doctoral or professional degree	None	None
				5	1.2	0.1				
				5	7.6	0.1				
				49	79.8	1.7				
				3	4.1	0.1				
Therapeutic Services	29-1126	Respiratory Therapists	61	3	4.1	0.1	\$56,178	Associate's degree	None	None
				46	28.4	0.5				
Therapeutic Services	29-1127	Speech-Language Pathologists	163	22	13.6	0.3	\$72,907	Master's degree	None	None
				8	4.9	0.2				
				7	4.2	0.2				
				482	20.1	7.4				
				1,421	59.2	28.9				
Therapeutic Services	29-1141	Registered Nurses	2,400	168	7	5.8	\$71,914	Associate's or Bachelor's degree	None	None
				22	0.9	0.8				
				68	62	1				
				28	25.4	0.6				
Therapeutic Services	29-1171	Nurse Practitioners	109	3	2.4	0.1	\$92,698	Master's degree	None	None
				1	0.8	0				
				33	32.3	0.7				
Diagnostic Services	29-2011	Med & Clinical Lab Technologists	101	58	44.3	1.1	\$59,681	Bachelor's degree	None	None
				79	44.3	1.1				
Diagnostic Services	29-2012	Medical & Clinical Lab Technicians	178	74	41.4	1.3	\$42,546	Associate's degree	None	None
				1	0.5	0				
Therapeutic Services	29-2021	Dental Hygienists	209	204	97.4	2.8	\$73,703	Associate's degree	None	None
				1	0.3	0				

Diagnostic Services	29-2032	Diagnostic Medical Sonographers	65	26	39.9	0.4	\$76,570	Associate's degree	None	None
				36	55.8	0.7				
Diagnostic Services	29-2034	Radiologic Technologists/Technicians	113	41	36.7	1	\$62,511	Associate's degree	None	None
				64	56.9	2.1				
Therapeutic Services	29-2041	Emergency Medical Technicians & Paramedics	326	179	55	1.8	\$52,893	Postsecondary non-degree award	None	None
				50	15.2	0.7				
Therapeutic Services	29-2052	Pharmacy Technicians	301	11	3.5	0.2	\$28,119	High school diploma or equivalent	None	Moderate-term on-the-job training
				49	16.2	1				
Therapeutic Services	29-2061	Licensed Practical Nurses	710	205	28.9	3	\$48,251	Postsecondary non-degree award	None	None
				116	16.3	2.3				
Health Informatics	29-2071	Med Records & Health Info Technicians	206	278	39.1	9.1	\$37,419	Postsecondary non-degree award	None	None
				10	1.4	0.4				
Health Informatics	29-2081	Opticians, Dispensing	129	73	35.4	0.9	\$33,556	High school diploma or equivalent	None	Long-term on-the-job training
				69	53.4	0.5				
Health Informatics	29-9091	Athletic Trainers**	67	1	0.4	0	\$42,663	Bachelor's degree	None	None
				8	12.6	0.1				
Therapeutic Services	31-1014	Nursing Assistants	1491	134	9	1.8	\$24,449	Postsecondary non-degree award	None	None
				364	24.4	6.6				
Therapeutic Services	31-2011	Occupational Therapist Assistants	61	804	53.9	24.4	\$61,757	Associate's degree	None	None
				28	1.9	1				
Therapeutic Services	31-2021	Physical Therapist Assistants	119	31	50.8	0.2	\$55,267	Associate's degree	None	None
				11	17.8	0.1				
Therapeutic Services	31-2022	Physical Therapist Aides	106	13	20.5	0.2	\$26,292	High school diploma or equivalent	None	Moderate-term on-the-job training
				2	3.1	0				
Health Informatics	31-9011	Massage Therapists	152	73	61.2	0.7	\$26,951	Postsecondary non-degree award	None	None
				27	22.9	0.3				
Therapeutic Services	31-9091	Dental Assistants	247	14	12.1	0.3	\$37,044	Postsecondary non-degree award	None	None
				1	0.7	0				
Health Informatics	31-9092	Medical Assistants	481	72	67.9	0.5	\$31,227	High school diploma or equivalent	None	Moderate-term on-the-job training
				8	7.3	0.1				
Health Informatics	31-9097	Phlebotomists	66	37	24.6	0.5	\$34,874	Postsecondary non-degree award	None	None
				37	24.6	0.5				
Health Informatics	31-9099	Healthcare Support Workers, All Other	217	1	0.6	0	\$35,762	High school diploma or equivalent	None	Short-term on-the-job training
				1	0.6	0				
Support Services	35-1012	1st-Line Svcs/Mgrs, Food Prep/Serv ** USE EMP	877	236	95.4	4.1	\$27,939	High school diploma or equivalent	1 to 5 years	None
				2	0.7	0				
Health Informatics	43-3011	Bill and Account Collectors**	468	383	79.7	6.6	\$36,378	High school diploma or equivalent	None	Moderate-term on-the-job training
				60	12.4	1.4				
Health Informatics	43-4171	Receptionists & Information Clerks **	907	10	2	0.4	\$27,591	High school diploma or equivalent	None	Short-term on-the-job training
				39	58.9	0.9				
				24	36.9	0.7				
				49	22.5	0.3				
				74	33.9	0.6				
				18	8.5	0.3				
				3	1.6	0.1				
				11	1.2	0.2				
				24	2.7	0.7				
				4	0.5	0.1				
				55	11.8	0.6				
				22	4.6	0.3				
				4	0.8	0.1				
				1	0.2	0				
				368	40.6	5.3				
				34	3.7	0.6				
				26	2.9	0.8				
				18	2	0.6				

**INFORMATION TECHNOLOGY
INDUSTRIES FOR PRINCIPAL OCCUPATIONS IN THE NORTHEAST REGION**

SOC Code	SOC Title	Average Annual Employment	NAICS	DESCRIPTION	Annual Occupational Employment in Industry				
					2017	2022 Percent of occupation			
15-1121	Computer Systems Analysts	574	522	Credit intermediation and related activities	24	4.1			
			524	Insurance carriers and related activities	47	8.2			
			551	Management of companies and enterprises	42	7.3			
			611	Educational services, state, local, and private	26	4.5			
			5241	Insurance carriers	42	7.4			
			5415	Computer systems design and related services	166	28.9			
			5416	Management, scientific, and technical consulting services	22	3.9			
			9992	State government, excluding education and hospitals	21	3.6			
			522	Credit intermediation and related activities	5	0.8			
			523	Securities, commodity contracts, and other financial investments and	3	0.4			
15-1122	Information Security Analysts	64	524	Insurance carriers and related activities	2	3.9			
			551	Management of companies and enterprises	4	6.7			
			5221	Depository credit intermediation	4	5.9			
			5231	Securities and commodity contracts intermediation and brokerage	2	3.8			
			5415	Computer systems design and related services	21	32.1			
			5416	Management, scientific, and technical consulting services	4	6.3			
			524	Insurance carriers and related activities	26	3.6			
			551	Management of companies and enterprises	25	3.5			
			5112	Software publishers	39	5.4			
			5415	Computer systems design and related services	292	40.6			
15-1131	Computer Programmers	718	5613	Employment services	28	3.9			
			334	Computer and electronic product manufacturing	28	3.5			
			524	Insurance carriers and related activities	42	5.2			
			551	Management of companies and enterprises	35	4.3			
			5112	Software publishers	65	8.0			
			5241	Insurance carriers	36	4.4			
			5415	Computer systems design and related services	316	38.9			
			5416	Management, scientific, and technical consulting services	33	4.1			
			423	Merchant wholesalers, durable goods	17	3.7			
			15-1132	Software Developers, Applications	812	5112	Software publishers	32	6.9
5413	Architectural, engineering, and related services	21				4.5			
5416	Computer systems design and related services	177				37.8			
5417	Management, scientific, and technical consulting services	23				4.9			
5417	Scientific research and development services	16				3.5			
519	Other information services	6				0.7			
611	Educational services, state, local, and private	6				0.7			
813	Religious, grantmaking, civic, professional, and similar organizations	5				0.8			
5415	Computer systems design and related services	21				19.1			
15-1133	Software Developers, Systems Software	467				5416	Management, scientific, and technical consulting services	5	1.1
			522	Credit intermediation and related activities	5	0.9			
			524	Insurance carriers and related activities	8	0.7			
			551	Management of companies and enterprises	8	0.6			
			611	Educational services, state, local, and private	11	0.8			
			5241	Insurance carriers	6	0.4			
			5415	Computer systems design and related services	24	20.4			
			5416	Management, scientific, and technical consulting services	5	0.4			
			517	Telecommunications	11	3.9			
			15-1134	Web Developers	110	524	Insurance carriers and related activities	12	4.4
551	Management of companies and enterprises	15				5.2			
611	Educational services, state, local, and private	30				10.4			
5415	Computer systems design and related services	53				18.8			
5416	Management, scientific, and technical consulting services	10				3.5			
517	Telecommunications	12				9.4			
518	Data processing, hosting and related services	5				3.9			
524	Insurance carriers and related activities	7				5.1			
551	Management of companies and enterprises	6				4.9			
15-1142	Network & Computer Sys. Administrators	284				611	Educational services, state, local, and private	30	10.4
			5415	Computer systems design and related services	53	18.8			
			5416	Management, scientific, and technical consulting services	10	3.5			
			517	Telecommunications	12	9.4			
			518	Data processing, hosting and related services	5	3.9			
			524	Insurance carriers and related activities	7	5.1			
			551	Management of companies and enterprises	6	4.9			
			611	Educational services, state, local, and private	5	3.9			
			5171	Wired telecommunications carriers	9	6.6			
			15-1143	Computer Network Architects	129	5241	Insurance carriers	6	4.6
5413	Architectural, engineering, and related services	5				3.5			
5415	Computer systems design and related services	41				31.8			
5416	Management, scientific, and technical consulting services	6				5.0			
423	Merchant wholesalers, durable goods	26				5.2			
551	Management of companies and enterprises	22				4.4			
611	Educational services, state, local, and private	22				12.7			
5112	Software publishers	2				4.3			
5415	Computer systems design and related services	123				24.6			
5613	Employment services	18				3.6			
15-1151	Computer User Support Specialists	502	423	Merchant wholesalers, durable goods	4	4.3			
			517	Telecommunications	8	7.3			
			551	Management of companies and enterprises	5	4.8			
			611	Educational services, state, local, and private	7	7.0			
			622	Hospitals, state, local, and private	4	3.7			
			5171	Wired telecommunications carriers	5	5.1			
			5415	Computer systems design and related services	26	25.2			
			15-1152	Computer Network Support Specialists	103	5415	Computer systems design and related services	26	25.2

MANUFACTURING

NORTHEAST REGION EDUCATIONAL SUPPLY DATA -- TOP OCCUPATIONS WITH OPENINGS IN COMBINED INDUSTRIES

Occupation	Program Code (CIP)	Program Title	FY 2014 Completers	Degree Type	
Team Assemblers	No Related Program of Study for This Occupation				
Machinists** Computer-Controlled Machine Tool Operators**	48.0501	Machine Tool Technology			
		College of Lake County	6	< 1Yr Cert	
			1	Associate	
		Elgin CC	2	1-2 Yr Cert	
			1	Associate	
		Kankakee CC	2	1-2 Yr Cert	
		Prairie State College	2	1-2 Yr Cert	
		48.0503	Mach Shop Technology		
		No Programs in this EDR*			
		No Related Program of Study for This Occupation			
No Related Program of Study for This Occupation					
Food Batchmakers	No Related Program of Study for This Occupation				
Software Developers, Systems Software**	11.0102	Artificial Intelligence	No Programs in this EDR*		
	11.0103	Information Technology			
		CCC-Harold Washington College	4	Associate	
		CCC-Truman College	6	Associate	
		CCC-Kennedy-King College	4	Associate	
		CCC-Olive Harvey College	7	Associate	
		CCC-Daley College	3	Associate	
		CCC_Wright College	6	Associate	
		College of Lake County	3	Associate	
		Kankakee CC	1	Associate	
		MChenry County College	6	Associate	
		Morton College	1	Associate	
		Oakton CC	2	Associate	
Prairie State College	7	Associate			
Public Universities	Northern IL University			36	Masters

Independent Not For Profit Universities	DePaul University	24	Bachelor
	Elmhurst College	8	Bachelor
	IL Institute of Technology	24	Bachelor
	"	95	Masters
	Loyola University of Chicago	22	Masters
Independent For Profit Universities	Robert Morris of IL	32	Bachelor
	University of St. Francis	5	Bachelor
Community Colleges	American Intercontinental University Online	220	Bachelor
		102	Masters
	Sanford Brown-Chicago	3	Associate
		5	Bachelor
11.0102	Artificial Intelligence	No Programs in this EDR*	
11.0201	Computer Programming, General		
Independent Not For Profit Universities	Harper College	25	< 1 Yr Cert
	Joliet Junior College	10	Associate
	Kishwaukee College	1	< 1 Yr Cert
	MCHenry County College	1	1-2 Yr Cert
	Moraine Valley CC	7	< 1 Yr Cert
	Oakton CC	1	Associate
	Prairie State College	3	< 1 Yr Cert
		4	< 1 Yr Cert
		3	< 1 Yr Cert
	Waubensee CC	3	< 1 Yr Cert
Out of State Universities	DePaul University	42	Bachelor
	University of Phoenix (AZ)	10	Masters
11.0202	Computer Programming, Specific Applications	3	Bachelor
		22	< 1 Yr Cert
		5	Associate
Community	College of DuPage	5	Associate
		5	< 1 Yr Cert

Colleges:	College of Lake County	2	Associate
	Mchenry County College	2	< 1 Yr Cert
	Moraine Valley CC	11	< 1 Yr Cert
Independent Not For Profit Universities	DePaul University	1	Bachelor
		12	Masters
11.0401	Information Science/Studies		
Community Colleges	CCC-Washington College	27	< 1 Yr Cert
	CCC-Truman College	32	< 1 Yr Cert
		6	1-2 Yr Cert
	CCC-Kennedy-King College	17	< 1 Yr Cert
	CCC-Malcolm X College	3	< 1 Yr Cert
	CCC-Olive-Harvey College	17	< 1 Yr Cert
		6	1-2 Yr Cert
	CCC-Daley College	25	< 1 Yr Cert
	CCC-Wright College	39	< 1 Yr Cert
		6	1-2 Yr Cert
	Harper College	11	Associate
	Oakton CC	9	< 1 Yr Cert
	So. Suburban Coll of Cook County	27	< 1 Yr Cert
		4	Associate
	Triton College	2	< 1 Yr Cert
		2	Associate
	Benedictine University	4	Bachelor
		18	Bachelor
	DePaul University	154	Masters
4		Bachelor	
Independent Not For Profit Universities	National-Louis University	1	Bachelor
	Northwestern University	5	Bachelor
		57	Masters

	Oliver Nazarene University	5	Bachelor
	University of Illinois Chicago	33	Bachelor
11.0701	Computer Science		
	Chicago State University	6	Bachelor
		18	Masters
	Governors State University	27	Bachelor
		10	Masters
	Northeastern IL University	49	Bachelor
		15	Masters
	Northern IL University	64	Bachelor
		62	Masters
		73	Bachelor
	University of IL Chicago	110	Masters
		11	Dr Research
	Aurora University	10	Bachelor
	Benedictine University	3	Bachelor
		56	Bachelor
		66	Masters
	DePaul University	4	Dr Research
		9	Bachelor
	Elmhurst College	9	Bachelor
		26	Bachelor
	IL Institute of Technology	177	Masters
		3	Dr Research
	Lake Forest College	5	Bachelor
	Lewis University	24	Bachelor
	Loyola University of Chicago	11	Masters
	North Central College	13	Bachelor
		29	Bachelor

Independent
Not For Profit

Software Developers, Systems Software**	Independent Not For Profit Universities	Northwestern University	45	Masters																		
			9	Dr Research																		
			4	Bachelor																		
			24	Bachelor																		
			2	Masters																		
			12	Bachelor																		
			2	Bachelor																		
			18	Bachelor																		
			76	Masters																		
			5	Dr Research																		
			2	Bachelor																		
			1	Bachelor																		
			Software Developers, Systems Software**	Public Universities	IL Institute of Technology	22	Bachelor															
						31	Bachelor															
16	Masters																					
2	Dr Research																					
15	Bachelor																					
16	Masters																					
2	Dr Research																					
Software Developers, Systems Software**	Community Colleges	Northwestern University				15	Bachelor															
						16	Masters															
						2	Dr Research															
						Software Developers, Systems Software**	Community Colleges	Oakton Community College	3	< 1 Yr Cert												
									Software Developers, Systems Software**	Community Colleges	Prairie State College	2	< 1 Yr Cert									
												Software Developers, Systems Software**	Community Colleges	CCC-Truman College	1	Associate						
															Chemical Plant & System Operators**	Community Colleges	Quality Control Technology	2	< 1 Yr Cert			
			Inspectors, Testers, Sorters & Weighers	Community Colleges	CCC-Daley College													2	< 1 Yr Cert			
																		Inspectors, Testers, Sorters & Weighers	Community Colleges	Industrial Mechanics & Maint Technology	2	< 1 Yr Cert

Industrial Machinery Mechanics**			
Community Colleges	CCC-Daley College	1	< 1 Yr Cert
		3	Associate
		1	< 1 Yr Cert
	College of Lake County	39	< 1 Yr Cert
		2	Associate
		6	< 1 Yr Cert
	Elgin Community College	6	< 1 Yr Cert
		7	Associate
		6	1-2 Yr Cert
	Joliet Junior College	2	< 1 Yr Cert
		1	1-2 Yr Cert
		1	1-2 Yr Cert
	Kankakee CC	1	1-2 Yr Cert
		1	1-2 Yr Cert
5		1-2 Yr Cert	
Moraine Valley CC	36	< 1 Yr Cert	
	1	1-2 Yr Cert	
	1	Associate	
Prairie State College	1	Associate	
	1	Associate	
	1	Associate	
Waubonsee Community College	1	Associate	
	1	Associate	
	1	Associate	

Notes: Kankakee Community College overlaps with the East Central EDR

* Potential supply: College of Lake County, Elgin Community College, Kankakee Community College, Moraine Valley Community College, Oakton Community College, Prairie State College, So. Suburban College of Cook County, Triton College, and Waubonsee College reported enrollment in 48,9999 (< 1 Yr Cert) of 130 students

** denotes occupations which occur in multiple clusters/pathways

TRANSPORTATION, DISTRIBUTION & LOGISTICS					
NORTHEAST REGION EDUCATIONAL SUPPLY DATA -- TOP OCCUPATIONS WITH OPENINGS IN COMBINED INDUSTRIES					
Occupation	Program Code (CIP)	Program Title	FY 2014 Completers	Degree Type	WIOA Eligible Training Providers
Truck Drivers, Heavy & Tractor Trailers**	49.0205	Truck/Bus Driver/Comm'l Vehicle Oper			
Truck Drivers, Light & Delivery Services		CCC-Colive Harvey College	2,973*	< 1 Yr Cert	
School Bus Drivers		Egin Community College	38	< 1 Yr Cert	
Flight Attendants	49.0106	Airline Flight Attendant		No Programs in this EDR	
Shipping, Receiving, & Traffic Clerks**	No Related Program of Study for This Occupation				
	52.0408	Gen'l Office Ocs/Clerical Services			
		Kishwaukee	11	1-2 Yr Cert	
		Morton	4	< 1 Yr Cert	
		Egin CC	2	< 1 Yr Cert	
Cargo & Freight Agents (Route Planners)	52.0410	Traffic/Customs/Transp Clerk/Tech		No Programs in the EDR	

HEALTH CARE

NORTHEAST REGION EDUCATIONAL SUPPLY DATA -- TOP OCCUPATIONS WITH OPENINGS IN COMBINED INDUSTRIES

Occupation	Program Code (CIP)	Program Title	FY 2014 Completions	Degree Type	Program Code (CIP)	Program Title	FY 2014 Completions	Degree Type		
Registered Nurse	51.3801	Registered Nursing	143	Associate	DePaul Univ	Nurse Anesthetist	94	Masters		
			62	Associate			51.3804	Nurse Anesthetist	10	Post-Mstr Cert
			74	Associate			51.3805	Family Practice Nursing	1	Dr-Pract Prac
			46	Associate			51.3818	Nursing Practice		
			115	Associate			Einhorn College			
			85	Associate			51.3813	Clinical Nurse Specialist	62	Bachelor
			96	Associate			51.3820	Clinical Nurse Leader	24	Masters
			103	Associate			Loyola Univ Chicago			
			125	Associate			51.3802	Nurse Administration	12	Masters
			49	Associate			51.3803	Adult Health Nursing	15	Masters
Community Colleges			66	Associate	51.3805	Family Practice Nursing	37	Masters		
			35	Associate			6	Post-Mstr Cert		
			82	Associate			51.3808	Nursing Science	5	Dr-Research
			22	Associate			51.3818	Nursing Practice	9	Dr-Research
			80	Associate			51.3813	Clinical Nurse Specialist	9	Masters
			60	Associate			51.3814	Critical Care Nursing	11	Masters
			29	Associate			51.3818	Women's Health Nursing	2	Masters
			72	Associate			51.3822	Women's Health Nursing	2	Masters
			87	Associate			51.3899	Reg Nursing, Nursing Adm, Nursing	3	Post-Mstr Cert
			28	Bachelor			51.9999	Health Prof's & Related Clinical Sciences, Other	1	Masters
Public Universities	Chicago State Univ		1	Masters	Univ of St. Francis	Nurse Administration	26	Masters		
			66	Bachelor			51.3802			
			227	Bachelor			Chamberlain Coll of Nursing			
			212	Bachelor			51.3818	Nursing Practice	2	Doctoral Other
			114	Bachelor			Governors State Univ			
			6	Masters			51.3805	Family Practice Nursing	10	Post-Mstr Cert
			123	Bachelor			51.3808	Nursing Science	73	Masters
			0	Bachelor			51.3818	Nursing Practice	12	Dr-Pract Practice
			94	Masters			Northern Il Univ			
			0	Bachelor			51.3808	Nursing Science	62	Masters
Independent Not For Profit Universities	North Park Univ		208	Bachelor	Univ of Il Chicago	Nursing Science	4	Post-Ba Cert		
			279	Bachelor			393	Masters		
			9	Masters			12	Dr-Research		
			107	Bachelor			51.3818	Nursing Practice	17	Dr-Pract Prac
			191	Bachelor			51.9999	Health Prof's & Related Clinical Sciences, Other	32	Masters
			154	Masters			Lewis Univ		1	Post-Mstr Cert
			158	Bachelor						
			51	Masters			North Park Univ			
			8	Associate			51.3805	Family Practice Nursing	1	Post-Mstr Cert
			126	Bachelor			51.3808	Nursing Science	18	Masters
40	Bachelor	51.3821	Geriatric Nursing	1	Post-Mstr Cert					
111	Bachelor	51.3808	Nursing Science	152	Masters					
1	Post-Ba Cert	Roseland Franklin								
62	Masters	51.3804	Nurse Anesthetist	22	Masters					
38	Associate	51.3805	Family Practice Nursing	16	Post-Mstr Cert					
17	Associate	51.3808	Nursing Science	64	Masters					
4,288	Bachelor	No Shores Health Sys Sch of Nurse-Anesth								
655	Masters	51.3804	Nurse Anesthetist	19	Post-Ba Cert					
79	Associate	ITT Tech Institute-Chand Park								
Independent For Profit Universities	Chamberlain Coll of Nursing*		655	Masters						
			79	Associate						
Out of State										

* Chamberlain College of Nursing offers Illinois sites for a BSN 3 year program. online offerings include RN to BSN, MSN, and DNP programs.

HEALTH CARE

NORTHEAST REGION EDUCATIONAL SUPPLY DATA -- TOP OCCUPATIONS WITH OPENINGS IN COMBINED INDUSTRIES

Occupation	Program Code (CIP)	Program Title	FY 2014 Completers	Degree Type		
Nursing Assistants	51.2601	Health Aide				
		Coll of Dupage	47	< 1Yr Cert		
	Community Colleges	Moraine Valley CC	14	< 1Yr Cert		
	Oakton CC	1	< 1Yr Cert			
	51.3902	Nurse Aide				
		Community Colleges	Coll of Dupage	334	< 1Yr Cert	
			Coll of Lake County	670	< 1Yr Cert	
			Elgin CC	57	< 1Yr Cert	
			Harper College	696	< 1Yr Cert	
			Joliet	4	< 1Yr Cert	
				10	< 1Yr Cert	
			Kankakee CC	37	1-2 Yr Cert	
			Kishwaukee College	181	1-2 Yr Cert	
			McHenry Co. Coll	287	1-2 Yr Cert	
			Morton College	39	1-2 Yr Cert	
			Oakton CC	147	1-2 Yr Cert	
			Prairie State College	104	1-2 Yr Cert	
			Triton College	123	1-2 Yr Cert	
			Waubonsee CC	279	1-2 Yr Cert	
			Midwestern Career Coll	10	1-2 Yr Cert	
Indep For Profit			Solex College	16	1-2 Yr Cert	
51.0710			Med Office Asst./Specialist			No Programs in this EDR
51.0712			Medical Reception/Receptionist.			
	Community Colleges	Coll of Lake County	48	<1 Yr Cert		
	Morton College	9	<1 Yr Cert			
51.0713	Medical Insurance Coding Specialist/Coder					

Medical Assistants				Community Colleges	CCC-Truman College	40	<1 Yr Cert						
					CCC-Daley College	16	<1 Yr Cert						
					College of DuPage	18	<1 Yr Cert						
					Harper College	27	1-2 Yr Cert						
					Joliet Jr. College	29	1-2 Yr Cert						
					Kankakee CC	16	1-2 Yr Cert						
					Kishwaukee College	4	<1 Yr Cert						
					McHenry Co. College	23	<1 Yr Cert						
					Moraine Valley CC	25	1-2 Yr Cert						
					Oakton CC	19	<1 Yr Cert						
So. Suburban Coll of Cook Co.				20	1-2 Yr Cert								
				Waubonsee CC				9	1-2 Yr Cert				
								51.0716 Med Admin/Exec Assistant & Med Secretary.					
Community Colleges				51.0801 Med/Clinical Assistant									
				CCC-Truman College				3	<1 Yr Cert				
								Harper College				12	<1 Yr Cert
Waubonsee CC				20	Associate								
				Waubonsee CC				17	<1 Yr Cert				
Community Colleges								51.0801 Med/Clinical Assistant					
				CCC-Olive Harvey				23	<1 Yr Cert				
								CCC-Wright				12	1-2 Yr Cert
												Coll of DuPage	
				Coll of Lake County				18	1-2 Yr Cert				
								Harper College				10	Associate
				Harper College								38	1-2 Yr Cert
								Moraine Valley CC				25	1-2 Yr Cert
				So. Suburban Coll of Cook Co.								17	1-2 Yr Cert
								Waubonsee CC				6	1-2 Yr Cert
Robert Morris Univ				66	Associate								
				Indep Not For				28	1-2 Yr Cert				

Cynthia Calliana

Licensed Practical Nurses	Community Colleges	Coyne College	33	Associate		
		Fox College	1	1-2 Yr Cert		
			29	Associate		
		Lincoln Coll of Technology	91	1-2 Yr Cert		
		Midwestern Career Coll	21	Associate		
		Northwestern Coll- Chicago	21	Associate		
		Northwestern Coll-Southwest	24	Associate		
		Westwood Coll-Chicago Loop	49	1-2 Yr Cert		
		Westwood Coll-DuPage	37	1-2 Yr Cert		
		Westwood Coll-O'Hare	49	1-2 Yr Cert		
		Westwood Coll-River Oaks	89	1-2 Yr Cert		
		Out of State	16	<1 Yr Cert		
		51.0809	Anesthesiologist Asst	No Programs in this EDR		
		51.0813	Chiropractic Assf/Technician	No Programs in this EDR		
51.3901	Licensed Practical Nursing					
Licensed Practical Nurses	Community Colleges	CCC-Wright Coll	81	1-2 Yr Cert		
		Coll of Dupage	37	1-2 Yr Cert		
		Elgin CC	107	1-2 Yr Cert		
		Harper College	17	1-2 Yr Cert		
		Joliet Jr College	98	1-2 Yr Cert		
		Kankakee CC	18	1-2 Yr Cert		
		Moraine Valley CC	18	1-2 Yr Cert		
		Morton College	39	1-2 Yr Cert		
		Ambria Coll of Nursing	95	1-2 Yr Cert		
		Indep For Profit	No Programs in this EDR			
Receptionists & Information Clerks ***	52.0406	Receptionist	No Programs in this EDR			

** denotes occupations which occur in multiple clusters/pathways
WIOA Eligible Training Providers will be provided in a separate document or file.

North East Economic Development Region - Illinois Community College System					
Fiscal Year 2014 Summary of Career and Technical Education Degree and Certificate Graduates					
Dist. No.	College	Associate in Applied Science	Certificates of One Year or More	Certificates of Less Than One Year	Total
508	Chicago	(1,106)	(961)	(6,615)	(8,682)
	Daley	224	258	963	1,445
	Kennedy-King	209	193	608	1,010
	Malcolm X	160	72	427	659
	Olive-Harvey	70	48	3,209	3,327
	Truman	191	148	497	836
	Washington	77	29	363	469
	Wilbur Wright	175	213	548	936
502	DuPage	791	456	1,495	2,742
509	Elgin	366	301	1,097	1,764
512	Harper	458	182	1,792	2,432
525	Joliet	731	299	208	1,238
520	Kankakee	207	138	399	744
523	Kishwaukee	157	112	294	563
532	Lake County	391	360	1,848	2,599
528	McHenry	228	136	755	1,119
524	Moraine Valley	499	242	1,067	1,808
527	Morton	120	78	148	346
535	Oakton	448	121	610	1,179
515	Prairie State	170	103	573	846
510	South Suburban	145	88	191	424
504	Triton	295	89	235	619
516	Waubensee	247	84	689	1,020
North East Total		6,359	3,750	18,016	28,125
State Total		11,555	6,876	28,142	46,573
% of State Total		55.0%	54.5%	64.0%	60.4%

Illinois Community College System

More detailed curriculum-level data about Illinois Community College System students and graduates are available through the ICCB Databook (Table III-3 and Table III-9).

ICCB Databook - <http://iccbdsrv.iccb.org/databook/home.cfm>

Source of Data: ICCB Centralized Data System

North East Economic Development Region - Illinois Community College System
 Fiscal Year 2014 Summary of **Transfer and General Studies** Degree and Certificate **Graduates**

Dist. No.	College	Associate in Arts	Associate in Science	Associate in Arts and Science	Associate of Arts in Teaching	Associate in Engineering Science	Associate in Fine Arts	Associate in Liberal Studies & General Ed	Gen Studies Certificates	Total
508	Chicago	(1,523)	(254)	(0)	(0)	(27)	(11)	(1,429)	(0)	(3,244)
	Daley	184	11	0	0	4	0	43	0	242
	Kennedy-King	148	7	0	0	0	0	108	0	263
	Malcolm X	125	19	0	0	0	0	158	0	302
	Olive-Harvey	114	12	0	0	0	0	70	0	196
	Truman	173	51	0	0	3	1	380	0	608
	Washington	371	58	0	0	1	8	335	0	773
	Wilbur Wright	408	96	0	0	19	2	335	0	860
502	DuPage	930	294	0	1	27	15	390	0	1,657
509	Elgin	466	196	0	0	14	11	41	0	728
512	Harper	937	138	0	0	3	5	231	0	1,314
525	Joliet	590	127	0	1	0	0	153	0	871
520	Kankakee	109	42	0	0	8	4	61	0	224
523	Kishwaukee	76	286	0	0	3	1	0	0	366
532	Lake County	844	127	0	1	23	4	0	0	999
528	McHenry	41	435	0	0	4	12	63	0	555
524	Moraine Valley	425	843	0	1	0	6	0	0	1,275
527	Morton	131	80	0	0	0	4	42	0	257
535	Oakton	854	12	0	1	8	2	0	0	877
515	Prairie State	214	61	0	0	0	1	7	0	283
510	South Suburban	110	110	0	0	0	4	0	0	224
504	Triton	210	143	0	0	0	1	97	0	451
516	Waubensee	234	505	0	0	1	0	54	7	801
North East Total		7,694	3,653	0	5	118	81	2,568	7	14,126
State Total		11,569	6,952	642	13	217	131	3,706	9	23,239
% of State Total		66.5%	52.5%	0.0%	38.5%	54.4%	61.8%	69.3%	77.8%	60.8%

North East Economic Development Region - Illinois Community College System
Fiscal Year 2014 Summary of Unduplicated Headcount Enrollment by Program Classification

Dist. No.	College	Bacc / Transfer	Vocational	Career and Technical Ed.	*ABE	*ASE	*ESL	General Studies	General Associates	Total	**Noncredit Total
508	Chicago	(30,026)	(1,075)	(11,576)	(12,098)	(4,323)	(15,274)	(128)	(25,813)	(100,313)	(13,169)
	Daley	3,868	183	1,595	1,407	1,342	5,069	33	2,211	15,708	3,544
	Kennedy-King	2,705	100	2,227	2,920	228	0	4	1,870	10,054	1,178
	Malcolm X	2,267	86	562	2,152	544	488	21	4,886	11,006	1,214
	Olive-Harvey	2,792	316	3,983	1,663	491	542	5	1,738	11,530	1,870
	Truman	5,111	326	1,182	2,380	1,261	5,759	37	3,066	19,122	1,029
	Washington	6,548	0	536	1	0	2	2	6,610	13,699	422
	Wilbur Wright	6,735	64	1,491	1,575	457	3,414	26	5,432	19,194	3,912
502	DuPage	20,390	82	20,529	398	289	3,496	68	1,967	47,219	7,052
509	Elgin	9,432	29	4,308	796	177	1,956	0	339	17,037	4,165
512	Harper	15,533	448	6,750	1,701	0	823	0	257	25,512	7,569
525	Joliet	13,415	102	6,960	470	100	964	70	3,888	25,969	4,554
520	Kankakee	2,692	2,414	2,040	455	252	267	29	1,143	9,292	3,235
523	Kishwaukee	4,662	68	1,455	176	228	281	0	0	6,870	2,284
532	Lake County	15,876	1,141	7,519	287	1,046	2,217	16	0	28,102	24,161
528	McHenry	5,119	0	3,941	104	282	576	0	668	10,690	16,434
524	Moraine Valley	19,018	185	7,162	244	385	935	0	0	27,929	6,132
527	Morton	2,346	0	2,827	487	94	1,264	0	455	7,473	139
535	Oakton	10,987	4,437	5,297	340	184	1,373	1	0	22,619	6,523
515	Prairie State	5,008	1,024	4,007	510	53	445	0	26	11,073	1,329
510	South Suburban	4,125	1,920	4,330	604	77	261	0	0	11,317	240
504	Triton	7,594	2,608	4,924	1,578	168	1,614	0	1,518	20,004	4,017
516	Waubonsee	10,034	14	4,676	688	559	1,887	861	685	19,404	2,074
North East Total		176,257	15,547	98,301	20,936	8,217	33,633	1,173	36,759	390,823	103,077
State Total		287,076	70,776	172,630	27,441	11,382	36,994	2,789	50,624	659,712	193,812
% of State Total		61.4%	22.0%	56.9%	76.3%	72.2%	90.9%	42.1%	72.6%	59.2%	53.2%

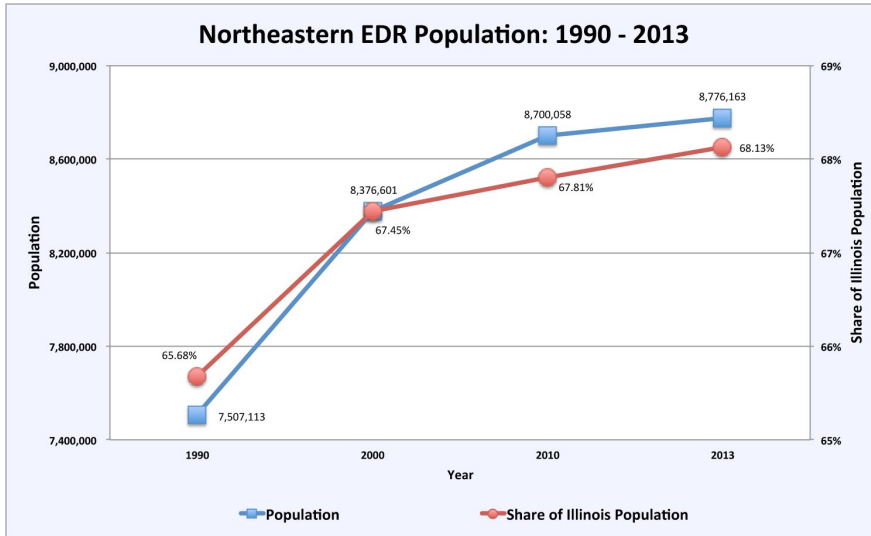
*ABE = Adult Basic Education; ASE = Adult Secondary Education; ESL = English-as-a-Second Language.

** Noncredit instruction provides activities that do not meet ICCB Rules for credit courses, such as those designed for specific employers, professional development, or others offered for hobby, leisure, or recreational purposes.

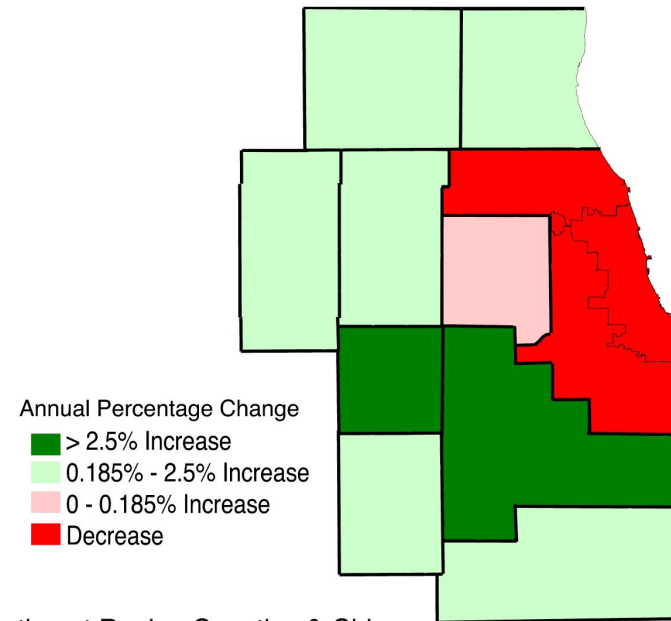
**North East Economic Development Region - Illinois Community College System
Fiscal Year 2014 Summary of Graduates by Career Cluster**

Dist. No.	College	Agriculture, Food, & Natural Resources	Architecture & Construction	Arts, A/V Technology & Communications	Business Management & Administration	Education & Training	Finance	Government & Public Administration	Health Science	Hospitality & Tourism	Human Services	Information Technology	Law, Public Safety, Corrections & Security	Manufacturing	Marketing	Science, Technology, Engineering & Mathematics	Transportation, Distribution & Logistics	Other	Total*
508	Chicago	(10)	(820)	(47)	(369)	(2,955)	(0)	(0)	(2,124)	(350)	(720)	(495)	(419)	(68)	(31)	(282)	(3,119)	(16)	(11,825)
	Daley	9	465	0	94	227	0	0	478	0	146	40	153	32	10	15	0	0	1,669
	Kennedy-King	0	256	27	47	254	0	0	69	348	122	28	52	23	1	7	17	0	1,251
	Malcolm X	0	0	0	0	282	0	0	612	0	27	3	0	0	0	19	0	16	959
	Olive-Harvey	0	0	0	20	184	0	0	23	0	152	30	41	6	0	12	3,041	0	3,509
	Truman	0	3	1	36	548	0	0	416	0	186	68	45	1	7	52	61	0	1,424
	Washington	1	11	17	61	706	0	0	0	2	79	275	15	0	4	62	0	0	1,233
	Wilbur Wright	0	85	2	111	754	0	0	526	0	8	51	113	6	9	115	0	0	1,780
502	DuPage	50	72	132	323	1,355	0	0	1,173	106	149	232	217	79	67	335	36	0	4,326
509	Elgin	0	160	38	110	514	0	0	545	243	104	6	129	129	11	210	268	0	2,467
512	Harper	3	113	71	282	1,180	1	0	1,232	48	65	115	177	169	91	142	34	0	3,723
525	Joliet	41	100	13	103	744	0	0	400	115	28	56	94	130	7	127	78	0	2,036
520	Kankakee	0	23	17	85	171	0	0	263	0	22	1	77	110	0	50	16	0	835
523	Kishwaukee	63	16	1	37	76	0	0	342	0	0	8	11	24	0	289	60	0	927
532	Lake County	31	150	8	135	893	0	0	1,311	169	36	124	174	66	6	150	255	0	3,508
528	McHenry	14	17	40	287	113	0	0	479	38	32	23	87	46	2	439	42	0	1,659
524	Moraine Valley	2	113	29	88	448	0	0	419	67	37	445	112	207	6	842	80	0	2,895
527	Morton	0	24	4	53	173	0	0	135	0	82	5	28	3	0	80	14	0	601
535	Oakton	0	31	10	73	416	2	0	416	0	73	68	48	22	5	13	28	0	1,205
515	Prairie State	0	65	30	19	248	0	0	406	0	81	24	86	33	1	61	70	0	1,124
510	South Suburban	0	10	17	72	124	0	0	171	0	45	34	58	1	3	108	0	0	643
504	Triton	3	44	11	41	313	0	0	363	42	14	17	43	11	0	143	24	0	1,069
516	Waubensee	0	83	29	53	334	0	0	578	0	51	10	33	75	0	506	57	0	1,809
North East Total		217	1,841	497	2,130	10,057	3	0	10,357	1,178	1,539	1,663	1,793	1,173	230	3,777	4,181	16	40,652
State Total		935	2,893	815	3,098	16,744	27	0	18,294	1,729	2,109	2,396	2,918	2,799	331	6,691	5,964	18	67,761
% of State Total		23.2%	63.6%	61.0%	68.8%	60.1%	11.1%	0.0%	56.6%	68.1%	73.0%	69.4%	61.4%	41.9%	69.5%	56.4%	70.1%	88.9%	60.0%

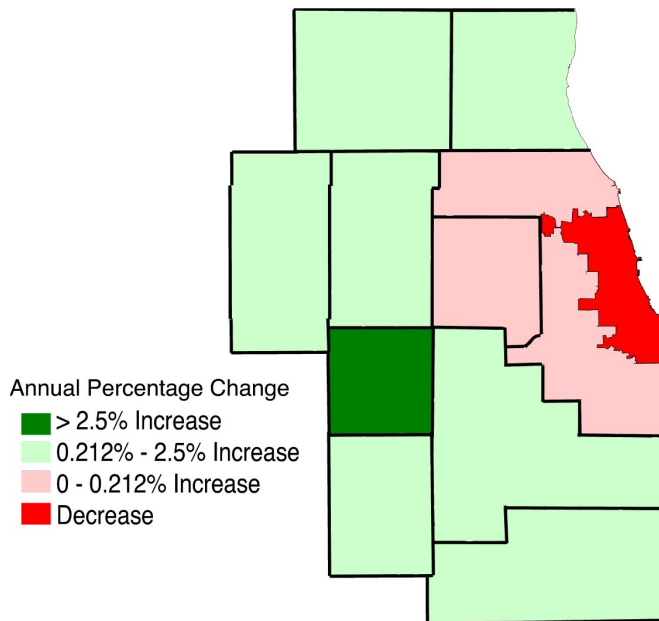
*Career Cluster graduates limited to three credentials within fiscal year 2014. Thus, Career Cluster graduate totals may be slightly less than previous graduate table totals.



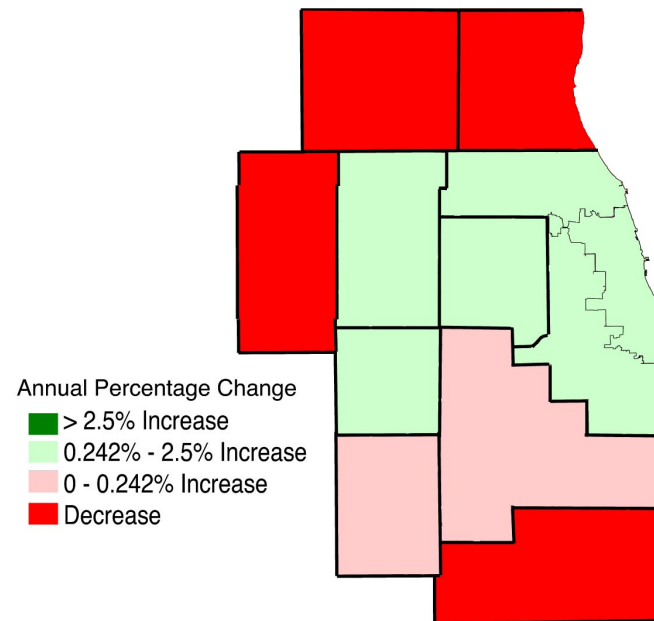
Northeast Region Counties & Chicago
Population Change: 2000-2005



Northeast Region Counties & Chicago
Population Change: 2005-2010

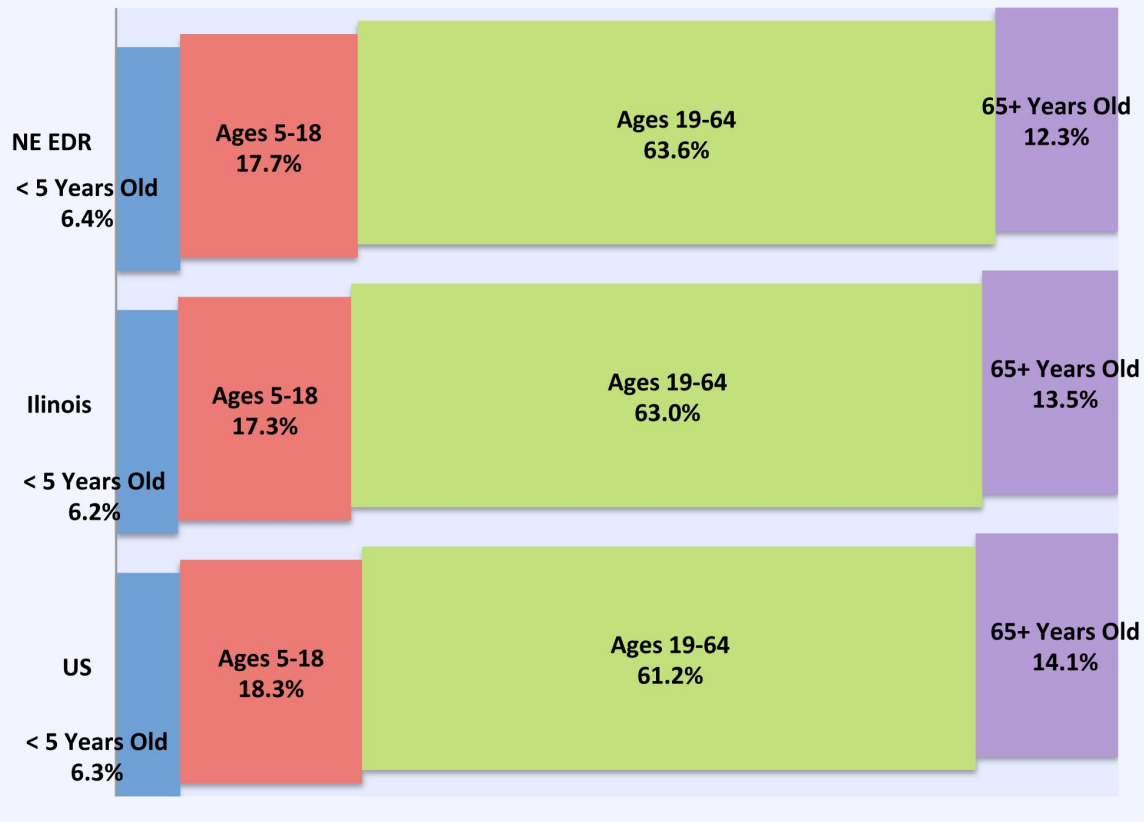


Northeast Region Counties & Chicago
Population Change: 2010-2013

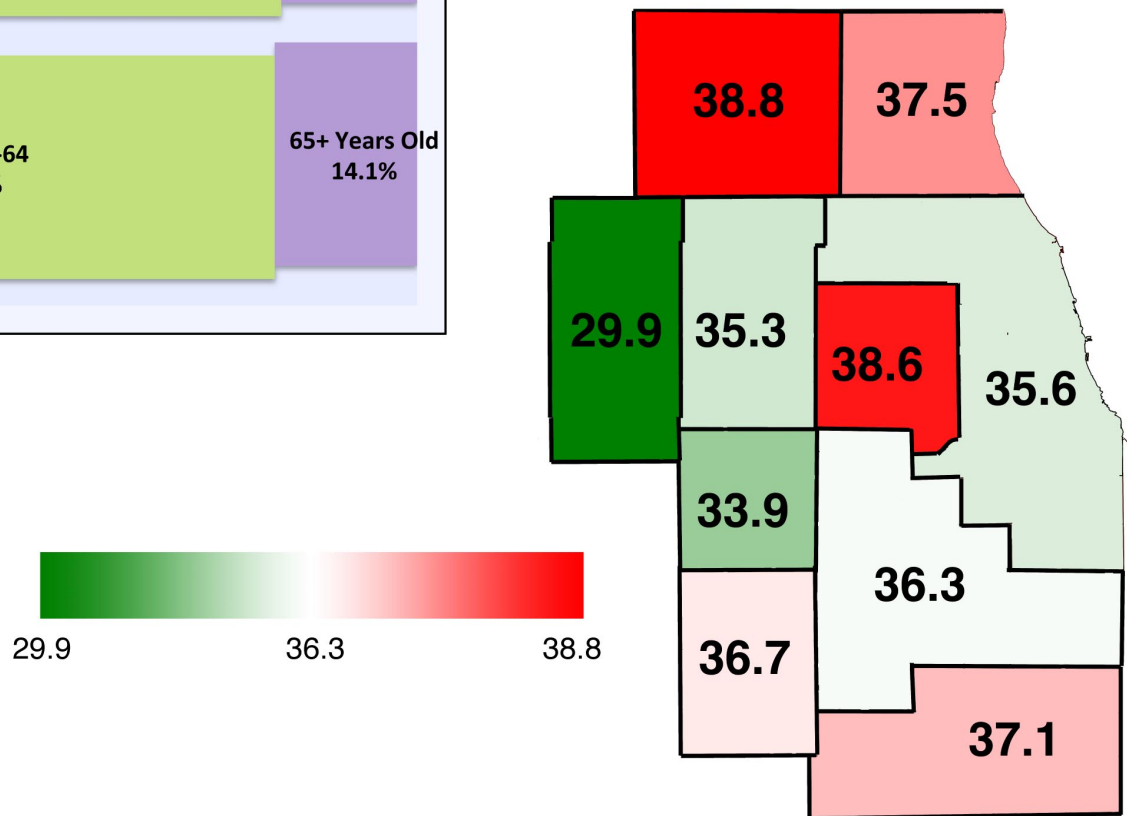


Source for all Information on this Page: US Census Bureau Annual County Resident Population Estimates for 2013

Northeastern EDR vs. Illinois vs. US Population by Age: 2013

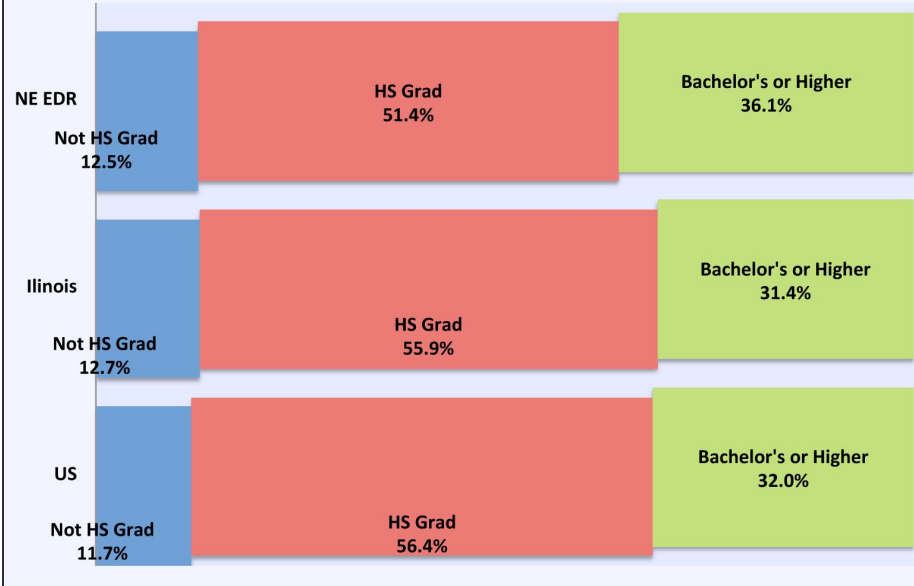


Northeast Region Counties Median Population Age: 2012

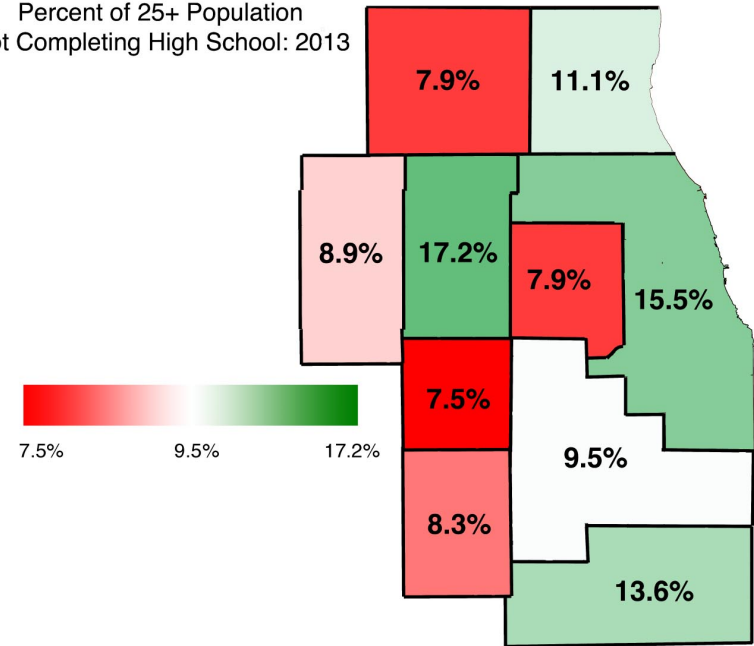


Source for all information on this Page: US Census Bureau Annual County Resident Population Estimates for 2013

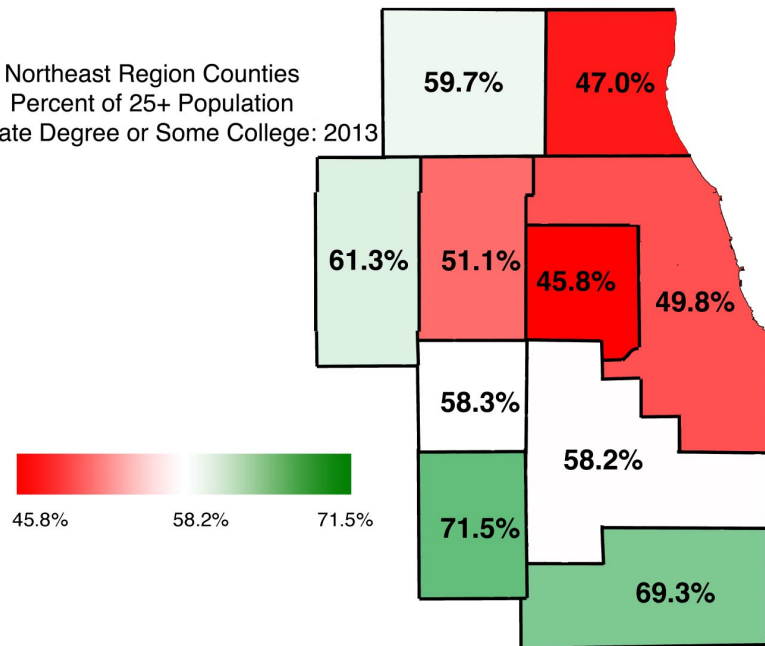
**Northeastern EDR vs. Illinois vs. US
Age 25+ Population by Educational Attainment: 2013**



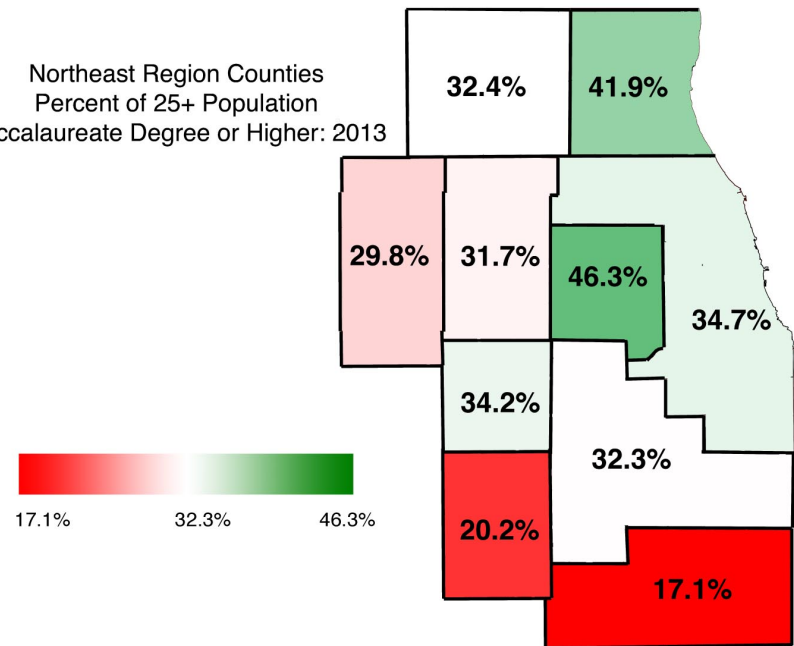
**Northeast Region Counties
Percent of 25+ Population
Not Completing High School: 2013**



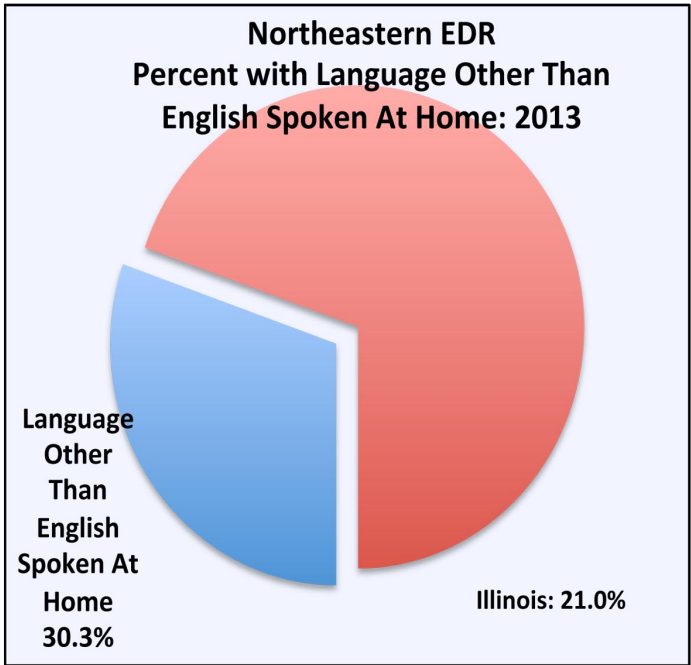
**Northeast Region Counties
Percent of 25+ Population
Associate Degree or Some College: 2013**



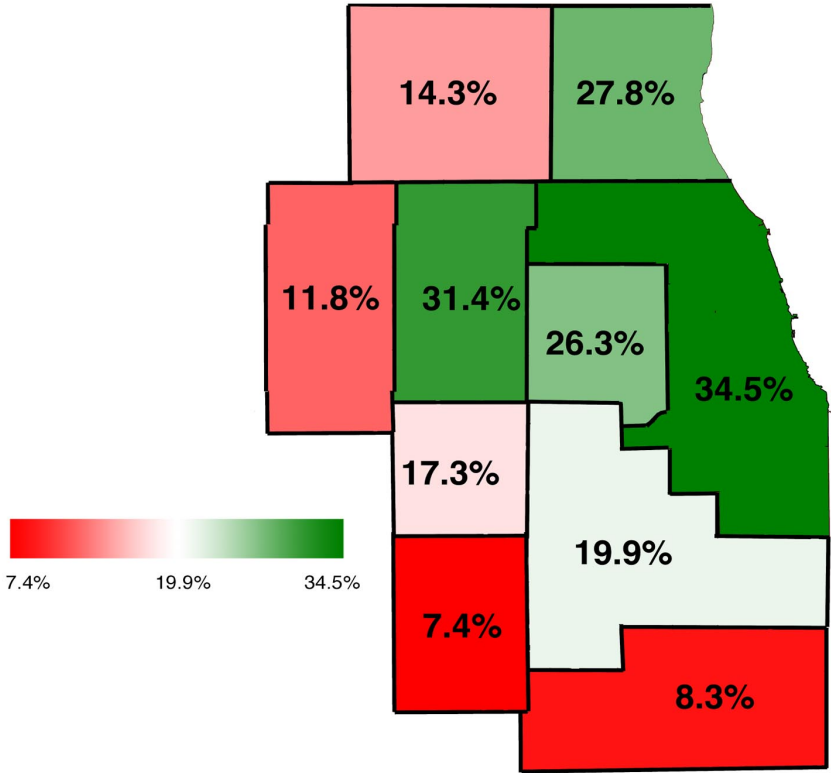
**Northeast Region Counties
Percent of 25+ Population
Baccalaureate Degree or Higher: 2013**



Source for all Information on this Page: US Census Bureau Annual County Resident Population Estimates for 2013



Northeast Region Counties Percent Age 5+ with Language Other Than English Spoken at Home: 2013



Source for all information on this page: US Census Bureau Annual County Resident Population Estimates for 2013

NORTHEAST REGION

SELECTED TARGET POPULATION CHARACTERISTICS

Unemployed	Labor Force	4,533,761
	Employed	4,214,609
	Unemployed	319,152
	Rate	7.0
TANF	Annual 2014	1,098,191
	Monthly Average	91,516
	Corrections	4,716
Persons with Disabilities	Mental Disabilities	4,400
	Adults with Disabilities	767,916
Public Aid	Public Aid Recipients	2,126,867
	Adult Public Aid Recipients	1,120,866