

Highest Ranked Occupations

Top 50 Occupations (5-Digit) in Cleveland-Elyria, OH

Emsi Q4 2017 Data Set

February 2018

1005 Abbe Road North
Elyria, Ohio 44035

Parameters

Regions

Code	Description
17460	Cleveland-Elyria, OH

Education Levels

Description
Bachelor's degree

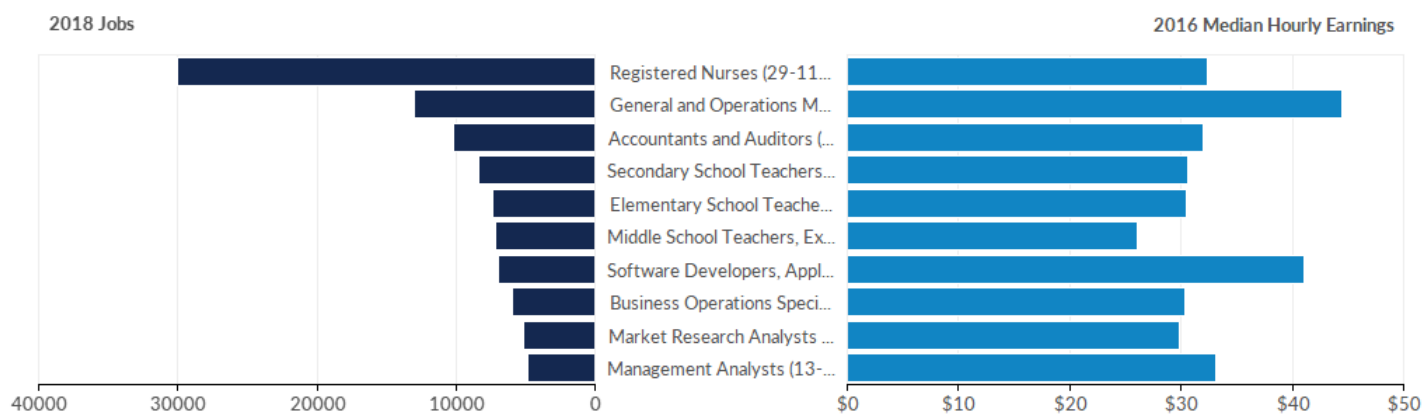
Timeframe

2018 - 2022

Datarun

2017.4 - QCEW Employees and Self-Employed

Largest Occupations

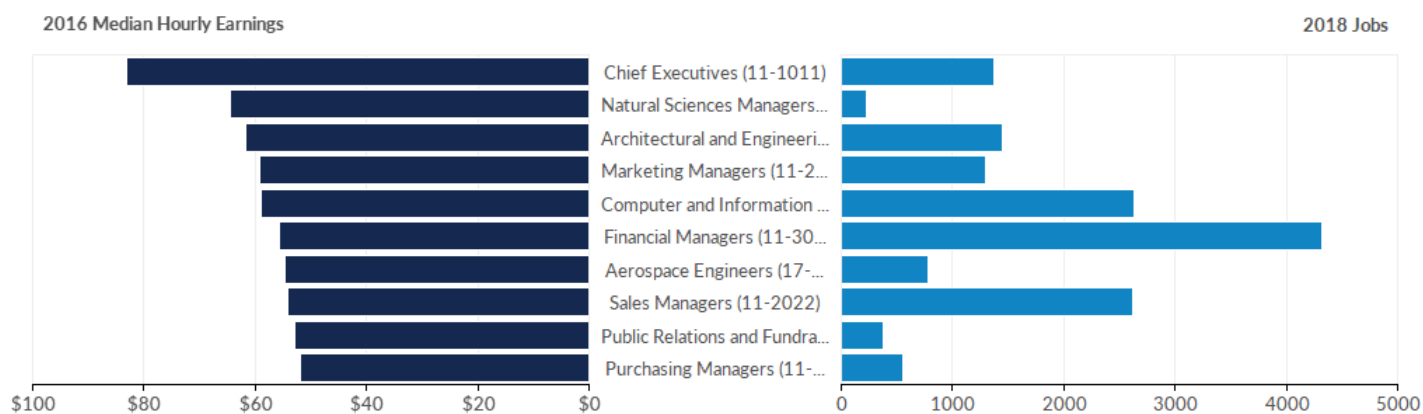


Occupation	2018 Jobs	2022 Jobs	Change in Jobs (2018-2022)	% Change	2016 Median Hourly Earnings
Registered Nurses	29,975	31,584	1,609	5%	\$32.40
General and Operations Managers	13,007	13,099	92	1%	\$44.47
Accountants and Auditors	10,158	10,267	109	1%	\$32.05
Secondary School Teachers, Except Special and Career/Technical Education	8,377	8,109	-268	-3%	\$30.62
Elementary School Teachers, Except Special Education	7,323	7,135	-188	-3%	\$30.43
Middle School Teachers, Except Special and Career/Technical Education	7,166	6,905	-261	-4%	\$26.09
Software Developers, Applications	6,957	7,276	319	5%	\$41.11
Business Operations Specialists, All Other	5,913	5,963	50	1%	\$30.38
Market Research Analysts and Marketing Specialists	5,107	5,269	162	3%	\$29.89
Management Analysts	4,824	4,962	138	3%	\$33.18
Computer Systems Analysts	4,725	4,965	240	5%	\$36.37
Managers, All Other	4,576	4,697	121	3%	\$22.29
Financial Managers	4,322	4,286	-36	-1%	\$55.64
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	3,766	3,710	-56	-1%	\$34.46
Human Resources Specialists	3,736	3,731	-5	0%	\$26.64
Medical and Health Services Managers	3,239	3,348	109	3%	\$43.46
Network and Computer Systems Administrators	2,713	2,735	22	1%	\$35.52

Occupation	2018 Jobs	2022 Jobs	Change in Jobs (2018-2022)	% Change	2016 Median Hourly Earnings
Industrial Engineers	2,645	2,602	-43	-2%	\$38.88
Computer and Information Systems Managers	2,630	2,744	114	4%	\$58.83
Sales Managers	2,624	2,625	1	0%	\$54.26
Medical and Clinical Laboratory Technologists	2,616	2,692	76	3%	\$29.05
Securities, Commodities, and Financial Services Sales Agents	2,560	2,394	-166	-6%	\$31.01
Construction Managers	2,452	2,322	-130	-5%	\$34.60
Loan Officers	2,374	2,285	-89	-4%	\$34.34
Mechanical Engineers	2,322	2,310	-12	-1%	\$36.50
Child, Family, and School Social Workers	2,292	2,350	58	3%	\$22.29
Purchasing Agents, Except Wholesale, Retail, and Farm Products	2,281	2,260	-21	-1%	\$29.36
Industrial Production Managers	2,157	2,090	-67	-3%	\$42.56
Cost Estimators	2,058	2,025	-33	-2%	\$29.50
Financial Analysts	2,045	2,050	5	0%	\$35.15
Graphic Designers	1,909	1,865	-44	-2%	\$19.08
Personal Financial Advisors	1,895	1,936	41	2%	\$40.04
Teachers and Instructors, All Other	1,887	1,960	73	4%	\$17.46
Training and Development Specialists	1,817	1,839	22	1%	\$27.16
Coaches and Scouts	1,740	1,783	43	2%	\$13.57
Administrative Services Managers	1,685	1,710	25	1%	\$39.91
Substitute Teachers	1,627	1,655	28	2%	\$10.69
Architectural and Engineering Managers	1,449	1,436	-13	-1%	\$61.63
Engineers, All Other	1,434	1,426	-8	-1%	\$44.50
Special Education Teachers, Kindergarten and Elementary School	1,431	1,387	-44	-3%	\$30.18
Civil Engineers	1,398	1,404	6	0%	\$35.22
Chief Executives	1,372	1,362	-10	-1%	\$83.00
Compliance Officers	1,369	1,384	15	1%	\$27.84

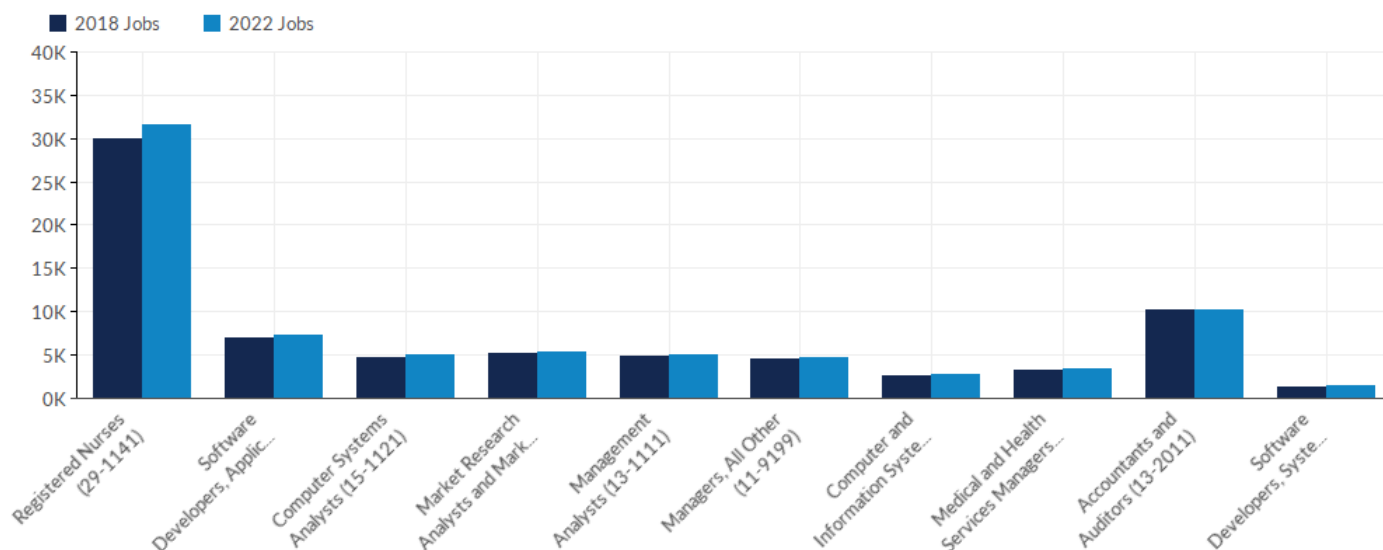
Occupation	2018 Jobs	2022 Jobs	Change in Jobs (2018-2022)	% Change	2016 Median Hourly Earnings
Software Developers, Systems Software	1,298	1,406	108	8%	\$41.78
Marketing Managers	1,293	1,322	29	2%	\$59.08
Operations Research Analysts	1,291	1,372	81	6%	\$33.64
Labor Relations Specialists	1,281	1,140	-141	-11%	\$9.81
Computer Programmers	1,265	1,236	-29	-2%	\$32.78
Public Relations Specialists	1,253	1,252	-1	0%	\$26.82
Chemists	1,239	1,205	-34	-3%	\$34.22

Highest Paying Occupations



Occupation	2018 Jobs	2022 Jobs	Change in Jobs (2018-2022)	% Change	2016 Median Hourly Earnings
Chief Executives	1,372	1,362	-10	-1%	\$83.00
Natural Sciences Managers	231	231	0	0%	\$64.50
Architectural and Engineering Managers	1,449	1,436	-13	-1%	\$61.63
Marketing Managers	1,293	1,322	29	2%	\$59.08
Computer and Information Systems Managers	2,630	2,744	114	4%	\$58.83
Financial Managers	4,322	4,286	-36	-1%	\$55.64
Aerospace Engineers	784	797	13	2%	\$54.77
Sales Managers	2,624	2,625	1	0%	\$54.26
Public Relations and Fundraising Managers	374	378	4	1%	\$52.94
Purchasing Managers	553	550	-3	-1%	\$51.82

Fastest Growing Occupations

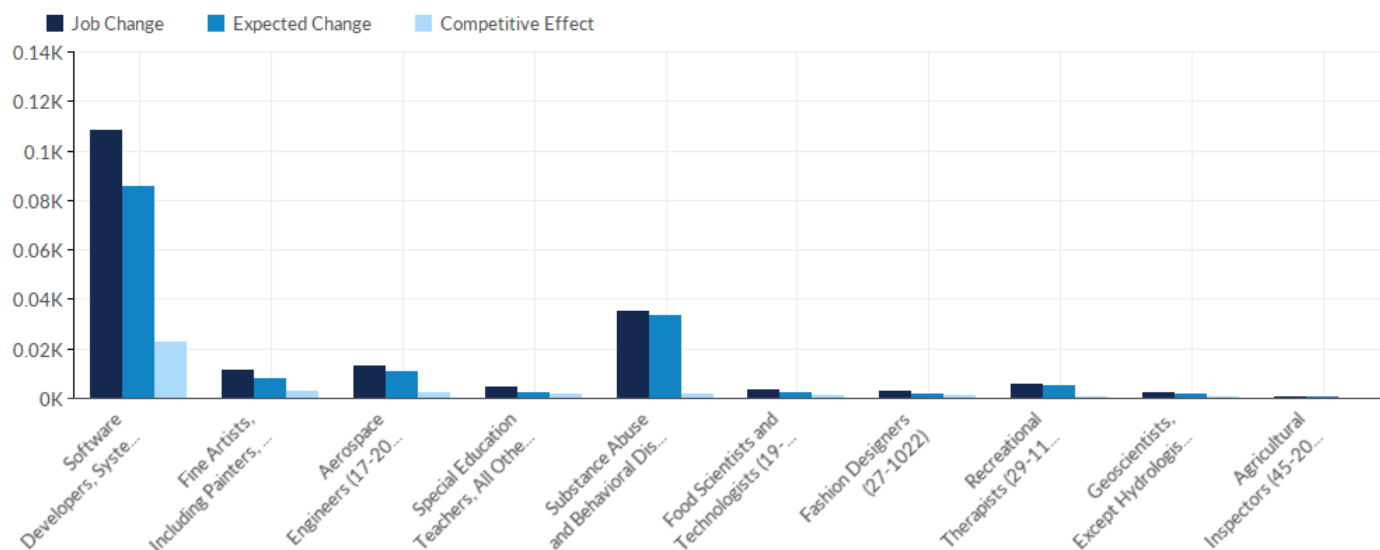


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Market Research Analysts and Marketing Specialists	5,107	5,269	162	3%	\$29.89
Management Analysts	4,824	4,962	138	3%	\$33.18
Managers, All Other	4,576	4,697	121	3%	\$22.29
Computer and Information Systems Managers	2,630	2,744	114	4%	\$58.83
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General and Operations Managers	13,007	13,099	92	1%	\$44.47
Operations Research Analysts	1,291	1,372	81	6%	\$33.64
Medical and Clinical Laboratory Technologists	2,616	2,692	76	3%	\$29.05
Teachers and Instructors, All Other	1,887	1,960	73	4%	\$17.46
Mental Health and Substance Abuse Social Workers	1,082	1,141	59	5%	\$18.20
Child, Family, and School Social Workers	2,292	2,350	58	3%	\$22.29

Occupation	2018 Jobs	2022 Jobs	Change in Jobs (2018-2022)	% Change	2016 Median Hourly Earnings
Clergy	383	438	55	14%	\$17.82
Business Operations Specialists, All Other	5,913	5,963	50	1%	\$30.38
Coaches and Scouts	1,740	1,783	43	2%	\$13.57
Personal Financial Advisors	1,895	1,936	41	2%	\$40.04
Social and Community Service Managers	886	926	40	5%	\$33.45
Substance Abuse and Behavioral Disorder Counselors	356	391	35	10%	\$20.60
Interpreters and Translators	488	521	33	7%	\$18.30
Computer Occupations, All Other	1,205	1,234	29	2%	\$35.28
Marketing Managers	1,293	1,322	29	2%	\$59.08
Substitute Teachers	1,627	1,655	28	2%	\$10.69
Information Security Analysts	378	404	26	7%	\$42.04
Administrative Services Managers	1,685	1,710	25	1%	\$39.91
Human Resources Managers	857	881	24	3%	\$48.23
Training and Development Specialists	1,817	1,839	22	1%	\$27.16
Network and Computer Systems Administrators	2,713	2,735	22	1%	\$35.52
Dietitians and Nutritionists	557	578	21	4%	\$28.70
Writers and Authors	848	867	19	2%	\$14.67
Meeting, Convention, and Event Planners	540	558	18	3%	\$20.54
Education, Training, and Library Workers, All Other	441	457	16	4%	\$20.80
Compliance Officers	1,369	1,384	15	1%	\$27.84
Architects, Except Landscape and Naval	878	893	15	2%	\$31.49
Health Educators	357	371	14	4%	\$27.80
Fundraisers	780	794	14	2%	\$26.29
Biomedical Engineers	310	324	14	5%	\$32.78
Adult Basic and Secondary Education and Literacy Teachers and Instructors	716	729	13	2%	\$24.12
Aerospace Engineers	784	797	13	2%	\$54.77

Occupation	2018 Jobs	2022 Jobs	Change in Jobs (2018-2022)	% Change	2016 Median Hourly Earnings
Database Administrators	811	823	12	1%	\$31.28
Environmental Scientists and Specialists, Including Health	900	912	12	1%	\$29.11
Athletic Trainers	184	196	12	7%	\$22.17
Therapists, All Other	186	197	11	6%	\$27.73
Fine Artists, Including Painters, Sculptors, and Illustrators	289	300	11	4%	\$7.85
Computer Hardware Engineers	363	373	10	3%	\$42.34
Computer Network Architects	1,064	1,074	10	1%	\$45.59
Technical Writers	234	243	9	4%	\$29.59

Most Competitive Occupations

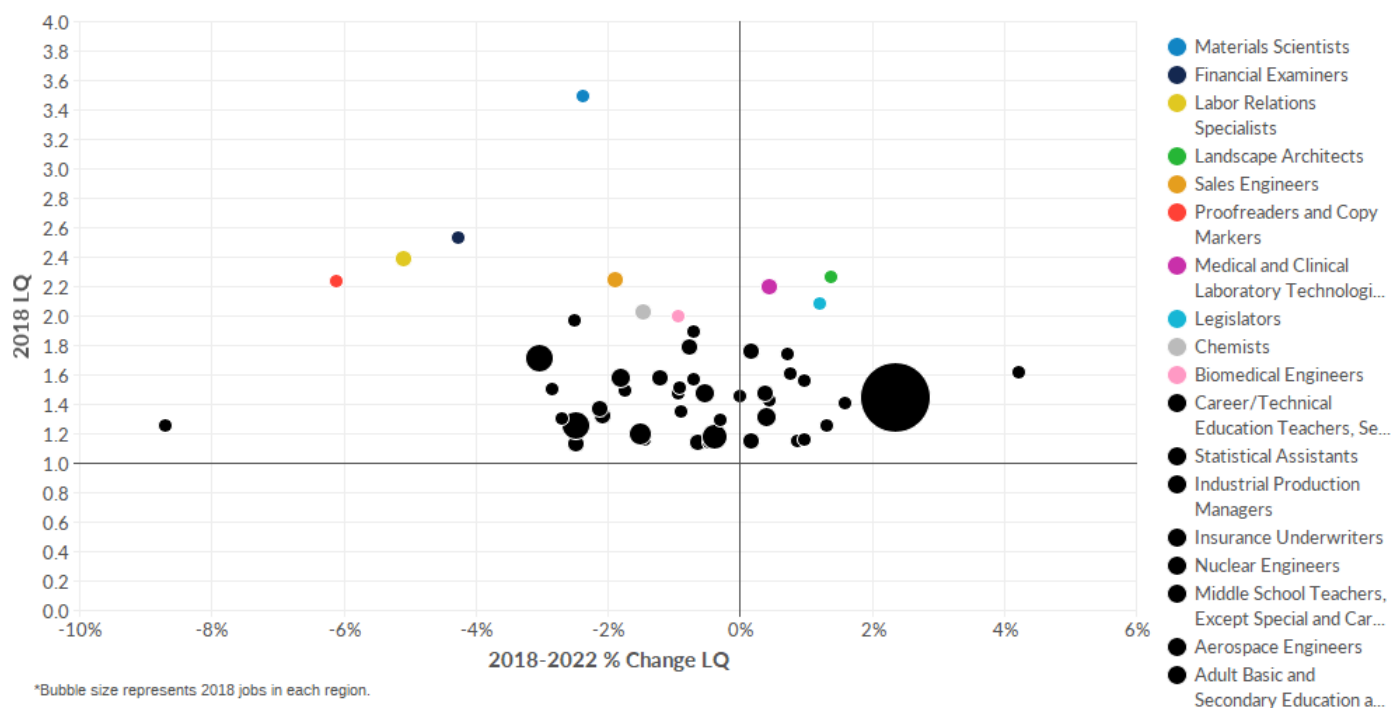


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Median Hourly Earnings
Software Developers, Systems Software	108	31	55	86	22	\$41.78
Fine Artists, Including Painters, Sculptors, and Illustrators	11	-4	12	8	3	\$7.85
Aerospace Engineers	13	-22	33	11	2	\$54.77
Special Education Teachers, All Other	4	-1	3	2	2	\$19.30
Substance Abuse and Behavioral Disorder Counselors	35	18	15	33	2	\$20.60
Food Scientists and Technologists	3	0	2	2	1	\$29.95
Fashion Designers	3	-1	3	2	1	\$22.77
Recreational Therapists	5	1	4	5	1	\$24.23
Geoscientists, Except Hydrologists and Geographers	2	0	2	2	1	\$36.97
Agricultural Inspectors	1	-1	1	0	0	\$18.75
Clergy	55	38	16	54	0	\$17.82
Mathematical Science Occupations, All Other	0	0	0	0	0	\$45.31
Mathematical Technicians	Insf. Data	0	0	0	Insf. Data	Insf. Data
Life Scientists, All Other	1	0	1	1	0	\$37.65
Animal Scientists	Insf. Data	0	0	0	Insf. Data	Insf. Data

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Median Hourly Earnings
Marine Engineers and Naval Architects	0	0	1	1	0	\$38.67
Emergency Management Directors	1	0	2	2	0	\$34.04
Agricultural Engineers	Insf. Data	0	0	0	Insf. Data	Insf. Data
Fish and Game Wardens	0	-1	1	0	0	\$23.05
Buyers and Purchasing Agents, Farm Products	1	0	2	2	0	\$23.19
Foresters	0	-1	2	1	0	\$33.11
Petroleum Engineers	2	0	2	2	0	\$35.45
Geographers	0	0	1	1	-1	\$40.12
Career/Technical Education Teachers, Middle School	1	0	1	1	-1	\$26.21
Mining and Geological Engineers, Including Mining Safety Engineers	0	0	1	1	-1	\$34.92
Zoologists and Wildlife Biologists	0	-1	2	1	-1	\$33.88
Cartographers and Photogrammetrists	3	2	2	4	-1	\$33.62
Social Scientists and Related Workers, All Other	2	-3	6	3	-1	\$36.06
Conservation Scientists	1	0	2	2	-1	\$20.67
Directors, Religious Activities and Education	1	-1	3	2	-1	\$23.21
Atmospheric and Space Scientists	1	0	1	1	-1	\$45.95
Arbitrators, Mediators, and Conciliators	0	0	1	1	-1	\$22.55
Social Science Research Assistants	1	0	3	3	-2	\$21.94
Hydrologists	1	0	2	2	-2	\$45.30
Exercise Physiologists	2	0	4	4	-2	\$22.06
Physical Scientists, All Other	-1	-1	3	2	-2	\$33.35
Designers, All Other	-1	0	2	2	-2	\$20.17

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Median Hourly Earnings
Radio and Television Announcers	-11	-17	8	-9	-3	\$17.67
Forensic Science Technicians	5	4	3	7	-3	\$25.25
Soil and Plant Scientists	0	0	3	3	-3	\$32.15
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	0	-1	5	4	-3	\$39.46
Broadcast News Analysts	-4	-3	2	-1	-3	\$25.26
Actuaries	6	4	6	10	-3	\$40.03
Set and Exhibit Designers	1	1	3	4	-3	\$20.60
Religious Workers, All Other	6	7	3	10	-3	\$13.84
Credit Counselors	9	4	8	12	-4	\$20.14
Education, Training, and Library Workers, All Other	16	1	19	20	-4	\$20.80
Compensation and Benefits Managers	1	1	4	5	-4	\$50.11
Education Administrators, All Other	6	0	10	10	-4	\$39.74
Therapists, All Other	11	8	8	16	-4	\$27.73

Highest Occupation Location Quotient



Occupation	2018 Jobs	2022 Jobs	% Change	2018 LQ	2022 LQ	% Change LQ	2016 Median Hourly Earnings
Materials Scientists	191	187	-2%	3.49	3.41	-2%	\$47.04
Financial Examiners	936	909	-3%	2.54	2.43	-4%	\$34.60
Labor Relations Specialists	1,281	1,140	-11%	2.39	2.27	-5%	\$9.81
Landscape Architects	387	388	0%	2.27	2.30	1%	\$25.81
Sales Engineers	1,202	1,187	-1%	2.24	2.20	-2%	\$50.53
Proofreaders and Copy Markers	206	190	-8%	2.24	2.10	-6%	\$15.18
Medical and Clinical Laboratory Technologists	2,616	2,692	3%	2.20	2.21	0%	\$29.05
Legislators	790	771	-2%	2.09	2.11	1%	\$9.57
Chemists	1,239	1,205	-3%	2.03	2.00	-1%	\$34.22
Biomedical Engineers	310	324	5%	2.00	1.98	-1%	\$32.78
Career/Technical Education Teachers, Secondary School	1,032	975	-6%	1.97	1.93	-3%	\$33.98
Statistical Assistants	149	140	-6%	1.89	1.88	-1%	\$18.76
Industrial Production Managers	2,157	2,090	-3%	1.79	1.78	-1%	\$42.56
Insurance Underwriters	1,154	1,090	-6%	1.76	1.77	0%	\$33.15

Occupation	2018 Jobs	2022 Jobs	% Change	2018 LQ	2022 LQ	% Change LQ	2016 Median Hourly Earnings
Nuclear Engineers	241	233	-3%	1.75	1.76	1%	\$45.80
Middle School Teachers, Except Special and Career/Technical Education	7,166	6,905	-4%	1.71	1.66	-3%	\$26.09
Aerospace Engineers	784	797	2%	1.62	1.68	4%	\$54.77
Adult Basic and Secondary Education and Literacy Teachers and Instructors	716	729	2%	1.61	1.62	1%	\$24.12
Operations Research Analysts	1,291	1,372	6%	1.58	1.56	-1%	\$33.64
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	3,766	3,710	-1%	1.58	1.55	-2%	\$34.46
Materials Engineers	301	293	-3%	1.57	1.56	-1%	\$45.34
Chemical Engineers	354	353	0%	1.57	1.58	1%	\$46.17
Fundraisers	780	794	2%	1.51	1.50	-1%	\$26.29
Special Education Teachers, Middle School	896	867	-3%	1.50	1.46	-3%	\$31.16
Commercial and Industrial Designers	478	466	-3%	1.50	1.47	-2%	\$25.55
Engineers, All Other	1,434	1,426	-1%	1.48	1.48	0%	\$44.50
Audio-Visual and Multimedia Collections Specialists	104	103	-1%	1.48	1.46	-1%	\$16.61
Industrial Engineers	2,645	2,602	-2%	1.47	1.47	-1%	\$38.88
Environmental Scientists and Specialists, Including Health	900	912	1%	1.46	1.46	0%	\$29.11
Registered Nurses	29,975	31,584	5%	1.45	1.48	2%	\$32.40
Geographers	15	15	0%	1.43	1.43	0%	\$40.12
Social Workers, All Other	623	626	0%	1.41	1.43	2%	\$22.69
Special Education Teachers, Secondary School	1,211	1,180	-3%	1.38	1.35	-2%	\$28.24
Museum Technicians and Conservators	112	112	0%	1.36	1.34	-1%	\$22.56
Cost Estimators	2,058	2,025	-2%	1.32	1.29	-2%	\$29.50
Medical and Health Services Managers	3,239	3,348	3%	1.31	1.32	0%	\$43.46

Occupation	2018 Jobs	2022 Jobs	% Change	2018 LQ	2022 LQ	% Change LQ	2016 Median Hourly Earnings
Broadcast News Analysts	52	48	-8%	1.30	1.27	-3%	\$25.26
Compensation, Benefits, and Job Analysis Specialists	735	733	0%	1.29	1.29	0%	\$27.75
Reporters and Correspondents	391	334	-15%	1.26	1.15	-9%	\$16.83
Mental Health and Substance Abuse Social Workers	1,082	1,141	5%	1.26	1.27	1%	\$18.20
Secondary School Teachers, Except Special and Career/Technical Education	8,377	8,109	-3%	1.26	1.23	-2%	\$30.62
Market Research Analysts and Marketing Specialists	5,107	5,269	3%	1.20	1.18	-2%	\$29.89
Software Developers, Applications	6,957	7,276	5%	1.18	1.18	0%	\$41.11
Music Directors and Composers	262	260	-1%	1.16	1.15	-1%	\$25.69
Hydrologists	54	55	2%	1.16	1.17	1%	\$45.30
Dietitians and Nutritionists	557	578	4%	1.15	1.16	1%	\$28.70
Architectural and Engineering Managers	1,449	1,436	-1%	1.15	1.15	0%	\$61.63
Wholesale and Retail Buyers, Except Farm Products	998	994	0%	1.15	1.14	0%	\$26.58
Mechanical Engineers	2,322	2,310	-1%	1.15	1.14	-1%	\$36.50
Special Education Teachers, Kindergarten and Elementary School	1,431	1,387	-3%	1.13	1.10	-2%	\$30.18

Appendix A - Data Sources and Calculations

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

State Data Sources

This report uses state data from the following agencies: Ohio Department of Job and Family Services, Labor Market Information Division