

Industry Cluster Identification

for 2 Michigan Counties

Emsi Q3 2021 Data Set

August 2021



Michigan

Parameters

Regions:

Code	Description	Code	Description
26005	Allegan County, MI	26139	Ottawa County, MI

Datarun: 2021.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

Executive Summary

- Your highest ranked cluster is Information Technology and Analytical Instruments, with a score of 90 (out of 100) points.
- Your average cluster score is 41 (out of 100) points. This is *not* a benchmark against other regions; it only compares the relative performance of your clusters to each other. Clusters ranked higher than 41 are above average for your region, while clusters ranked lower than 41 are below average.
- Top clusters must have a score of at least 49, while bottom clusters must have a score of 32 or less. These thresholds are determined by applying the average deviation (plus or minus 8) to the average cluster score 41.

■ 8 Top Clusters
 ■ 42 Average Clusters
 ■ 13 Bottom Clusters



Cluster Rankings

Information Technology and Analytical Instruments

90

You have 8 industries in this cluster:

NAICS	Industry	Jobs	Score
334412	Bare Printed Circuit Board Manufacturing	299	39
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing	162	38
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing	5,395	100
334419	Other Electronic Component Manufacturing	22	40
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing	46	52
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use	465	43
334519	Other Measuring and Controlling Device Manufacturing	57	38
511210	Software Publishers	28	39

Local Education and Training

83

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
611110	Elementary and Secondary Schools	1,445	36
611519	Other Technical and Trade Schools	14	34

611610	Fine Arts Schools	165	29
611692	Automobile Driving Schools	75	29
903611	Elementary and Secondary Schools (Local Government)	9,266	92

Biopharmaceuticals

76

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
325411	Medicinal and Botanical Manufacturing	36	47
325412	Pharmaceutical Preparation Manufacturing	3,684	76

Furniture

70

You have 7 industries in this cluster:

NAICS	Industry	Jobs	Score
337110	Wood Kitchen Cabinet and Countertop Manufacturing	70	33
337122	Nonupholstered Wood Household Furniture Manufacturing	162	36
337124	Metal Household Furniture Manufacturing	50	35
337127	Institutional Furniture Manufacturing	342	34
337211	Wood Office Furniture Manufacturing	3,303	87
337214	Office Furniture (except Wood) Manufacturing	3,539	65
337215	Showcase, Partition, Shelving, and Locker Manufacturing	727	45

Electric Power Generation and Transmission

68

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
221111	Hydroelectric Power Generation	26	58

221112	Fossil Fuel Electric Power Generation	546	68
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Lighting and Electrical Equipment

61

You have 4 industries in this cluster:

NAICS	Industry	Jobs	Score
335121	Residential Electric Lighting Fixture Manufacturing	53	36
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	47	32
335311	Power, Distribution, and Specialty Transformer Manufacturing	126	40
335911	Storage Battery Manufacturing	1,128	66

Recreational and Small Electric Goods

53

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
339920	Sporting and Athletic Goods Manufacturing	55	34
339999	All Other Miscellaneous Manufacturing	769	55

Automotive

53

You have 11 industries in this cluster:

NAICS	Industry	Jobs	Score
331511	Iron Foundries	16	33
331513	Steel Foundries (except Investment)	28	30
331524	Aluminum Foundries (except Die-Casting)	373	41
332114	Custom Roll Forming	1,587	83
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing	117	42
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing	306	34

336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	168	39
336360	Motor Vehicle Seating and Interior Trim Manufacturing	2,014	43
336370	Motor Vehicle Metal Stamping	777	37
336390	Other Motor Vehicle Parts Manufacturing	735	53
336999	All Other Transportation Equipment Manufacturing	15	34

Local Utilities

47

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
221210	Natural Gas Distribution	86	46
221320	Sewage Treatment Facilities	62	43
454310	Fuel Dealers	60	33
517311	Wired Telecommunications Carriers	217	54
562910	Remediation Services	26	35

Plastics

46

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
325211	Plastics Material and Resin Manufacturing	10	42
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing	205	42
326121	Unlaminated Plastics Profile Shape Manufacturing	78	40
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing	26	33
326199	All Other Plastics Product Manufacturing	2,310	46

Vulcanized and Fired Materials

45

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
327215	Glass Product Manufacturing Made of Purchased Glass	1,275	45

Financial Services

45

You have 8 industries in this cluster:

NAICS	Industry	Jobs	Score
522120	Savings Institutions	19	37
522190	Other Depository Credit Intermediation	100	42
522292	Real Estate Credit	51	38
523120	Securities Brokerage	181	55
523910	Miscellaneous Intermediation	18	40
523920	Portfolio Management	81	42
523930	Investment Advice	134	42
523999	Miscellaneous Financial Investment Activities	30	41

Footwear

44

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
316110	Leather and Hide Tanning and Finishing	63	44

Metalworking Technology

44

You have 10 industries in this cluster:

NAICS	Industry	Jobs	Score
332313	Plate Work Manufacturing	80	33
332721	Precision Turned Product Manufacturing	276	36
332811	Metal Heat Treating	19	33

332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	564	32
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	185	35
333511	Industrial Mold Manufacturing	164	37
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	738	42
333515	Cutting Tool and Machine Tool Accessory Manufacturing	30	37
333517	Machine Tool Manufacturing	252	39
333519	Rolling Mill and Other Metalworking Machinery Manufacturing	882	61

Food Processing and Manufacturing

44

You have 13 industries in this cluster:

NAICS	Industry	Jobs	Score
311119	Other Animal Food Manufacturing	139	40
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	381	41
311412	Frozen Specialty Food Manufacturing	591	41
311421	Fruit and Vegetable Canning	58	33
311511	Fluid Milk Manufacturing	438	43
311513	Cheese Manufacturing	55	41
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	775	56
311520	Ice Cream and Frozen Dessert Manufacturing	26	41
311920	Coffee and Tea Manufacturing	151	35
312111	Soft Drink Manufacturing	199	37
312120	Breweries	303	36
312130	Wineries	121	32
424510	Grain and Field Bean Merchant Wholesalers	38	61

Printing Services

43

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
323111	Commercial Printing (except Screen and Books)	632	44
323113	Commercial Screen Printing	49	30

Paper and Packaging

43

You have 3 industries in this cluster:

NAICS	Industry	Jobs	Score
322130	Paperboard Mills	265	48
322211	Corrugated and Solid Fiber Box Manufacturing	262	34
322212	Folding Paperboard Box Manufacturing	429	46

Downstream Chemical Products

43

You have 4 industries in this cluster:

NAICS	Industry	Jobs	Score
325510	Paint and Coating Manufacturing	309	45
325612	Polish and Other Sanitation Good Manufacturing	74	38
325991	Custom Compounding of Purchased Resins	41	37
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	30	34

Transportation and Logistics

42

You have 11 industries in this cluster:

NAICS	Industry	Jobs	Score
482110	Rail transportation	37	39
484121	General Freight Trucking, Long-Distance, Truckload	1,564	45
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	348	42
485210	Interurban and Rural Bus Transportation	27	28

485510	Charter Bus Industry	35	34
488190	Other Support Activities for Air Transportation	60	36
488490	Other Support Activities for Road Transportation	99	38
488510	Freight Transportation Arrangement	72	35
488991	Packing and Crating	84	38
488999	All Other Support Activities for Transportation	16	32
491110	Postal Service	23	31

Production Technology and Heavy Machinery

41

You have 16 industries in this cluster:

NAICS	Industry	Jobs	Score
332912	Fluid Power Valve and Hose Fitting Manufacturing	541	43
332991	Ball and Roller Bearing Manufacturing	53	40
333111	Farm Machinery and Equipment Manufacturing	136	38
333243	Sawmill, Woodworking, and Paper Machinery Manufacturing	15	37
333249	Other Industrial Machinery Manufacturing	372	38
333318	Other Commercial and Service Industry Machinery Manufacturing	362	38
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	129	34
333611	Turbine and Turbine Generator Set Units Manufacturing	37	43
333912	Air and Gas Compressor Manufacturing	20	36
333922	Conveyor and Conveying Equipment Manufacturing	515	47
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing	29	39
333993	Packaging Machinery Manufacturing	384	45
333994	Industrial Process Furnace and Oven Manufacturing	30	39
333995	Fluid Power Cylinder and Actuator Manufacturing	96	38
333999	All Other Miscellaneous General Purpose Machinery Manufacturing	244	38
339991	Gasket, Packing, and Sealing Device Manufacturing	61	35

Local Government Services

41

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
903999	Local Government, Excluding Education and Hospitals	5,104	41

Communications Equipment and Services

41

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	218	41

Business Services

40

You have 21 industries in this cluster:

NAICS	Industry	Jobs	Score
485320	Limousine Service	37	28
518210	Data Processing, Hosting, and Related Services	36	37
541199	All Other Legal Services	18	38
541214	Payroll Services	114	34
541310	Architectural Services	164	43
541320	Landscape Architectural Services	30	34
541330	Engineering Services	873	43
541511	Custom Computer Programming Services	428	41
541512	Computer Systems Design Services	386	42
541519	Other Computer Related Services	67	37
541611	Administrative Management and General Management Consulting Services	231	37
541612	Human Resources Consulting Services	65	36
541614	Process, Physical Distribution, and Logistics Consulting Services	186	37

541618	Other Management Consulting Services	65	39
541690	Other Scientific and Technical Consulting Services	44	35
541990	All Other Professional, Scientific, and Technical Services	697	38
551112	Offices of Other Holding Companies	68	41
551114	Corporate, Subsidiary, and Regional Managing Offices	264	58
561210	Facilities Support Services	30	30
561311	Employment Placement Agencies	163	31
561330	Professional Employer Organizations	278	31

Oil and Gas Production and Transportation

40

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
211120	Crude Petroleum Extraction	18	39
486210	Pipeline Transportation of Natural Gas	25	41

Construction Products and Services

39

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
236210	Industrial Building Construction	181	41
237130	Power and Communication Line and Related Structures Construction	178	39
237990	Other Heavy and Civil Engineering Construction	103	37
327331	Concrete Block and Brick Manufacturing	156	41
332996	Fabricated Pipe and Pipe Fitting Manufacturing	74	34

Local Financial Services

39

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
522110	Commercial Banking	930	36
522130	Credit Unions	151	36
524210	Insurance Agencies and Brokerages	1,107	42
541213	Tax Preparation Services	133	32
561440	Collection Agencies	34	37

Education and Knowledge Creation

39

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	165	43
611310	Colleges, Universities, and Professional Schools	2,051	30
611699	All Other Miscellaneous Schools and Instruction	59	29
611710	Educational Support Services	94	30
902612	Colleges, Universities, and Professional Schools (State Government)	4,408	43

Insurance Services

39

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
524126	Direct Property and Casualty Insurance Carriers	31	43
524298	All Other Insurance Related Activities	41	35

Distribution and Electronic Commerce

38

You have 35 industries in this cluster:

NAICS	Industry	Jobs	Score
423210	Furniture Merchant Wholesalers	155	36

423220	Home Furnishing Merchant Wholesalers	21	30
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	43	39
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	30	36
423510	Metal Service Centers and Other Metal Merchant Wholesalers	50	34
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	255	40
423690	Other Electronic Parts and Equipment Merchant Wholesalers	20	37
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	101	39
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	353	39
423830	Industrial Machinery and Equipment Merchant Wholesalers	246	37
423840	Industrial Supplies Merchant Wholesalers	61	41
423850	Service Establishment Equipment and Supplies Merchant Wholesalers	36	41
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	24	42
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	29	35
424120	Stationery and Office Supplies Merchant Wholesalers	31	35
424130	Industrial and Personal Service Paper Merchant Wholesalers	41	44
424210	Drugs and Druggists' Sundries Merchant Wholesalers	123	48
424470	Meat and Meat Product Merchant Wholesalers	12	34
424480	Fresh Fruit and Vegetable Merchant Wholesalers	58	36
424590	Other Farm Product Raw Material Merchant Wholesalers	93	37
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers	19	44
424690	Other Chemical and Allied Products Merchant Wholesalers	15	47
424710	Petroleum Bulk Stations and Terminals	95	48
424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)	252	55
424910	Farm Supplies Merchant Wholesalers	237	38
424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers	381	36
424950	Paint, Varnish, and Supplies Merchant Wholesalers	35	33
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers	91	34
425120	Wholesale Trade Agents and Brokers	342	33

454110	Electronic Shopping and Mail-Order Houses	260	34
493110	General Warehousing and Storage	356	38
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing	48	43
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing	17	34
561499	All Other Business Support Services	244	33
561910	Packaging and Labeling Services	405	38

State Government Services

38

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
902999	State Government, Excluding Education and Hospitals	343	38

Livestock Processing

38

You have 4 industries in this cluster:

NAICS	Industry	Jobs	Score
311611	Animal (except Poultry) Slaughtering	1,471	47
311612	Meat Processed from Carcasses	1,791	31
311615	Poultry Processing	134	35
424520	Livestock Merchant Wholesalers	125	35

Upstream Metal Manufacturing

38

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	12	36
331221	Rolled Steel Shape Manufacturing	10	36

331318	Other Aluminum Rolling, Drawing, and Extruding	359	36
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive)	790	41
332613	Spring Manufacturing	336	34

Water Transportation

38

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
336612	Boat Building	222	38

Medical Devices

38

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
339114	Dental Equipment and Supplies Manufacturing	78	38

Downstream Metal Products

38

You have 6 industries in this cluster:

NAICS	Industry	Jobs	Score
332216	Saw Blade and Handtool Manufacturing	189	38
332311	Prefabricated Metal Building and Component Manufacturing	173	38
332312	Fabricated Structural Metal Manufacturing	172	38
332323	Ornamental and Architectural Metal Work Manufacturing	33	36
332510	Hardware Manufacturing	118	38
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	328	37

Environmental Services

37

You have 4 industries in this cluster:

NAICS	Industry	Jobs	Score
562119	Other Waste Collection	53	36
562211	Hazardous Waste Treatment and Disposal	35	35
562219	Other Nonhazardous Waste Treatment and Disposal	39	44
562920	Materials Recovery Facilities	15	30

Local Real Estate, Construction, and Development

37

You have 50 industries in this cluster:

NAICS	Industry	Jobs	Score
236115	New Single-Family Housing Construction (except For-Sale Builders)	854	36
236116	New Multifamily Housing Construction (except For-Sale Builders)	37	34
236117	New Housing For-Sale Builders	192	36
236118	Residential Remodelers	956	37
236220	Commercial and Institutional Building Construction	617	41
237110	Water and Sewer Line and Related Structures Construction	142	33
237210	Land Subdivision	27	32
237310	Highway, Street, and Bridge Construction	232	41
238110	Poured Concrete Foundation and Structure Contractors	756	40
238120	Structural Steel and Precast Concrete Contractors	36	34
238130	Framing Contractors	137	33
238140	Masonry Contractors	217	34
238150	Glass and Glazing Contractors	72	35
238160	Roofing Contractors	347	36
238170	Siding Contractors	121	32
238190	Other Foundation, Structure, and Building Exterior Contractors	62	38
238210	Electrical Contractors and Other Wiring Installation Contractors	1,257	38
238220	Plumbing, Heating, and Air-Conditioning Contractors	993	38

238290	Other Building Equipment Contractors	60	36
238310	Drywall and Insulation Contractors	302	33
238320	Painting and Wall Covering Contractors	456	34
238330	Flooring Contractors	188	34
238340	Tile and Terrazzo Contractors	115	32
238350	Finish Carpentry Contractors	282	34
238390	Other Building Finishing Contractors	144	35
238910	Site Preparation Contractors	947	38
238990	All Other Specialty Trade Contractors	817	42
327320	Ready-Mix Concrete Manufacturing	110	40
327390	Other Concrete Product Manufacturing	161	37
332322	Sheet Metal Work Manufacturing	482	39
337212	Custom Architectural Woodwork and Millwork Manufacturing	39	33
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers	301	40
423320	Brick, Stone, and Related Construction Material Merchant Wholesalers	17	37
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	70	44
423390	Other Construction Material Merchant Wholesalers	45	36
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers	99	35
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers	65	40
444110	Home Centers	981	36
444120	Paint and Wallpaper Stores	16	36
444190	Other Building Material Dealers	156	37
531110	Lessors of Residential Buildings and Dwellings	278	35
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)	98	37
531190	Lessors of Other Real Estate Property	100	35
531210	Offices of Real Estate Agents and Brokers	326	36
531311	Residential Property Managers	314	36
531312	Nonresidential Property Managers	61	33
531320	Offices of Real Estate Appraisers	28	33

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531390	Other Activities Related to Real Estate	119	35
541370	Surveying and Mapping (except Geophysical) Services	110	39
562991	Septic Tank and Related Services	55	35

Nonmetal Mining

37

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
212321	Construction Sand and Gravel Mining	42	37

Aerospace Vehicles and Defense

36

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
336412	Aircraft Engine and Engine Parts Manufacturing	179	36

Local Industrial Products and Services

36

You have 5 industries in this cluster:

NAICS	Industry	Jobs	Score
332710	Machine Shops	938	31
423930	Recyclable Material Merchant Wholesalers	625	43
423990	Other Miscellaneous Durable Goods Merchant Wholesalers	168	38
532310	General Rental Centers	39	31
811219	Other Electronic and Precision Equipment Repair and Maintenance	25	35

Local Retailing of Clothing and General Merchandise

35

You have 12 industries in this cluster:

NAICS	Industry	Jobs	Score
448120	Women's Clothing Stores	218	33
448130	Children's and Infants' Clothing Stores	32	28
448140	Family Clothing Stores	83	27
448150	Clothing Accessories Stores	37	29
448190	Other Clothing Stores	45	31
448210	Shoe Stores	22	29
448310	Jewelry Stores	71	30
451130	Sewing, Needlework, and Piece Goods Stores	50	28
452210	Department Stores	339	31
452311	Warehouse Clubs and Supercenters	2,501	37
452319	All Other General Merchandise Stores	400	32
453310	Used Merchandise Stores	375	33

I Marketing, Design, and Publishing

35

You have 11 industries in this cluster:

NAICS	Industry	Jobs	Score
511120	Periodical Publishers	31	33
511130	Book Publishers	151	43
541410	Interior Design Services	69	31
541420	Industrial Design Services	123	34
541430	Graphic Design Services	87	30
541490	Other Specialized Design Services	24	30
541613	Marketing Consulting Services	128	35
541810	Advertising Agencies	61	33
541820	Public Relations Agencies	35	33
541850	Outdoor Advertising	19	32

541890	Other Services Related to Advertising	38	34
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Local Motor Vehicle Products and Services

35

You have 22 industries in this cluster:

NAICS	Industry	Jobs	Score
423110	Automobile and Other Motor Vehicle Merchant Wholesalers	144	35
423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers	203	39
423130	Tire and Tube Merchant Wholesalers	117	37
423140	Motor Vehicle Parts (Used) Merchant Wholesalers	96	35
441110	New Car Dealers	789	37
441120	Used Car Dealers	216	35
441210	Recreational Vehicle Dealers	147	38
441222	Boat Dealers	291	37
441228	Motorcycle, ATV, and All Other Motor Vehicle Dealers	65	33
441310	Automotive Parts and Accessories Stores	345	32
441320	Tire Dealers	79	34
447110	Gasoline Stations with Convenience Stores	823	29
447190	Other Gasoline Stations	77	30
488410	Motor Vehicle Towing	60	32
811111	General Automotive Repair	945	39
811113	Automotive Transmission Repair	58	33
811118	Other Automotive Mechanical and Electrical Repair and Maintenance	36	33
811121	Automotive Body, Paint, and Interior Repair and Maintenance	298	33
811122	Automotive Glass Replacement Shops	40	33
811191	Automotive Oil Change and Lubrication Shops	220	31
811192	Car Washes	347	32
811198	All Other Automotive Repair and Maintenance	97	33

You have 6 industries in this cluster:

NAICS	Industry	Jobs	Score
321113	Sawmills	22	33
321211	Hardwood Veneer and Plywood Manufacturing	42	34
321219	Reconstituted Wood Product Manufacturing	25	35
321918	Other Millwork (including Flooring)	65	32
321920	Wood Container and Pallet Manufacturing	334	34
321999	All Other Miscellaneous Wood Product Manufacturing	166	37

Local Household Goods and Services

You have 13 industries in this cluster:

NAICS	Industry	Jobs	Score
423710	Hardware Merchant Wholesalers	65	34
442110	Furniture Stores	250	35
442210	Floor Covering Stores	211	37
442291	Window Treatment Stores	23	32
442299	All Other Home Furnishings Stores	105	29
443141	Household Appliance Stores	137	35
444130	Hardware Stores	423	35
444210	Outdoor Power Equipment Stores	51	31
444220	Nursery, Garden Center, and Farm Supply Stores	141	28
453110	Florists	104	28
561730	Landscaping Services	1,505	35
561740	Carpet and Upholstery Cleaning Services	44	32
811420	Reupholstery and Furniture Repair	25	30

Local Logistical Services

You have 10 industries in this cluster:

NAICS	Industry	Jobs	Score
484110	General Freight Trucking, Local	626	28
484122	General Freight Trucking, Long-Distance, Less Than Truckload	430	37
484210	Used Household and Office Goods Moving	23	33
484220	Specialized Freight (except Used Goods) Trucking, Local	174	38
492110	Couriers and Express Delivery Services	96	32
492210	Local Messengers and Local Delivery	27	28
531130	Lessors of Miniwarehouses and Self-Storage Units	63	33
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	50	34
562111	Solid Waste Collection	299	39
621910	Ambulance Services	88	33

Federal Government Services

34

You have 3 industries in this cluster:

NAICS	Industry	Jobs	Score
901149	US Postal Service	507	36
901199	Federal Government, Civilian, Excluding Postal Service	141	38
901200	Federal Government, Military	711	31

Local Community and Civic Organizations

33

You have 15 industries in this cluster:

NAICS	Industry	Jobs	Score
624110	Child and Youth Services	174	31
624120	Services for the Elderly and Persons with Disabilities	854	32
624190	Other Individual and Family Services	272	32
624210	Community Food Services	47	30

624230	Emergency and Other Relief Services	31	34
813110	Religious Organizations	3,136	34
813211	Grantmaking Foundations	67	39
813219	Other Grantmaking and Giving Services	52	33
813311	Human Rights Organizations	22	30
813312	Environment, Conservation and Wildlife Organizations	48	30
813319	Other Social Advocacy Organizations	95	30
813410	Civic and Social Organizations	227	29
813910	Business Associations	105	39
813930	Labor Unions and Similar Labor Organizations	71	31
813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)	65	37

Textile Manufacturing

33

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
314120	Curtain and Linen Mills	24	34
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills	16	33

Local Health Services

33

You have 30 industries in this cluster:

NAICS	Industry	Jobs	Score
339116	Dental Laboratories	17	31
446110	Pharmacies and Drug Stores	586	36
621111	Offices of Physicians (except Mental Health Specialists)	723	28
621112	Offices of Physicians, Mental Health Specialists	81	39
621210	Offices of Dentists	1,184	39

621310	Offices of Chiropractors	280	32
621320	Offices of Optometrists	151	34
621330	Offices of Mental Health Practitioners (except Physicians)	147	35
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	385	32
621391	Offices of Podiatrists	29	34
621399	Offices of All Other Miscellaneous Health Practitioners	75	35
621410	Family Planning Centers	38	32
621420	Outpatient Mental Health and Substance Abuse Centers	71	32
621492	Kidney Dialysis Centers	72	35
621493	Freestanding Ambulatory Surgical and Emergency Centers	66	44
621498	All Other Outpatient Care Centers	79	31
621511	Medical Laboratories	11	36
621512	Diagnostic Imaging Centers	21	34
621610	Home Health Care Services	450	31
621999	All Other Miscellaneous Ambulatory Health Care Services	63	42
622110	General Medical and Surgical Hospitals	1,391	39
623110	Nursing Care Facilities (Skilled Nursing Facilities)	1,113	34
623210	Residential Intellectual and Developmental Disability Facilities	63	29
623220	Residential Mental Health and Substance Abuse Facilities	28	31
623311	Continuing Care Retirement Communities	524	28
623312	Assisted Living Facilities for the Elderly	1,804	32
623990	Other Residential Care Facilities	145	33
812210	Funeral Homes and Funeral Services	95	32
812220	Cemeteries and Crematories	23	33
903622	Hospitals (Local Government)	762	20

Apparel

32

You have 2 industries in this cluster:

NAICS	Industry	Jobs	Score
314999	All Other Miscellaneous Textile Product Mills	69	32
315280	Other Cut and Sew Apparel Manufacturing	21	33

Video Production and Distribution

32

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
512110	Motion Picture and Video Production	46	32

Trailers, Motor Homes, and Appliances

32

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
336212	Truck Trailer Manufacturing	78	32

Forestry

31

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
113310	Logging	37	31

Leather and Related Products

31

You have 1 industry in this cluster:

NAICS	Industry	Jobs	Score
314910	Textile Bag and Canvas Mills	84	31

Performing Arts

31

You have 6 industries in this cluster:

NAICS	Industry	Jobs	Score
711110	Theater Companies and Dinner Theaters	26	29
711130	Musical Groups and Artists	20	27
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities	84	34
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities	19	30
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	21	30
711510	Independent Artists, Writers, and Performers	217	30

Local Personal Services (Non-Medical)

31

You have 17 industries in this cluster:

NAICS	Industry	Jobs	Score
446120	Cosmetics, Beauty Supplies, and Perfume Stores	71	29
446199	All Other Health and Personal Care Stores	144	34
453910	Pet and Pet Supplies Stores	28	28
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)	250	32
532289	All Other Consumer Goods Rental	15	32
541921	Photography Studios, Portrait	94	31
541940	Veterinary Services	336	31
611511	Cosmetology and Barber Schools	35	35
624410	Child Day Care Services	844	29
811490	Other Personal and Household Goods Repair and Maintenance	241	34
812111	Barber Shops	59	30
812112	Beauty Salons	681	31
812113	Nail Salons	54	29
812199	Other Personal Care Services	112	27
812310	Coin-Operated Laundries and Drycleaners	29	28
812910	Pet Care (except Veterinary) Services	229	30

812990	All Other Personal Services	238	32
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Local Entertainment and Media

31

You have 9 industries in this cluster:

NAICS	Industry	Jobs	Score
443142	Electronics Stores	206	31
451110	Sporting Goods Stores	197	30
451120	Hobby, Toy, and Game Stores	116	31
451140	Musical Instrument and Supplies Stores	27	31
451211	Book Stores	36	28
511110	Newspaper Publishers	78	31
512131	Motion Picture Theaters (except Drive-Ins)	49	28
515112	Radio Stations	63	33
532282	Video Tape and Disc Rental	23	29

Local Commercial Services

29

You have 23 industries in this cluster:

NAICS	Industry	Jobs	Score
339950	Sign Manufacturing	67	33
453210	Office Supplies and Stationery Stores	37	28
541110	Offices of Lawyers	301	39
541211	Offices of Certified Public Accountants	224	37
541219	Other Accounting Services	214	33
541350	Building Inspection Services	52	37
541380	Testing Laboratories	215	40
541620	Environmental Consulting Services	74	35

541922	Commercial Photography	25	30
561110	Office Administrative Services	102	31
561320	Temporary Help Services	1,631	1
561410	Document Preparation Services	23	28
561612	Security Guards and Patrol Services	28	29
561710	Exterminating and Pest Control Services	79	35
561720	Janitorial Services	3,541	35
561790	Other Services to Buildings and Dwellings	96	30
561990	All Other Support Services	583	46
811212	Computer and Office Machine Repair and Maintenance	46	34
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	337	34
811411	Home and Garden Equipment Repair and Maintenance	29	30
811412	Appliance Repair and Maintenance	15	30
812320	Drycleaning and Laundry Services (except Coin-Operated)	89	28
812332	Industrial Launderers	112	34

Hospitality and Tourism

29

You have 16 industries in this cluster:

NAICS	Industry	Jobs	Score
453920	Art Dealers	23	30
487210	Scenic and Sightseeing Transportation, Water	17	29
561510	Travel Agencies	64	31
561591	Convention and Visitors Bureaus	15	33
711211	Sports Teams and Clubs	35	30
711212	Racetracks	39	28
711219	Other Spectator Sports	29	28
712110	Museums	38	30

712120	Historical Sites	33	31
713920	Skiing Facilities	88	29
713930	Marinas	217	35
713990	All Other Amusement and Recreation Industries	126	29
721110	Hotels (except Casino Hotels) and Motels	361	23
721191	Bed-and-Breakfast Inns	23	29
721199	All Other Traveler Accommodation	15	29
721211	RV (Recreational Vehicle) Parks and Campgrounds	99	32

Agricultural Inputs and Services

29

You have 7 industries in this cluster:

NAICS	Industry	Jobs	Score
111000	Crop Production	4,478	21
112000	Animal Production	2,401	41
115112	Soil Preparation, Planting, and Cultivating	23	28
115113	Crop Harvesting, Primarily by Machine	70	37
115114	Postharvest Crop Activities (except Cotton Ginning)	214	33
115115	Farm Labor Contractors and Crew Leaders	694	31
115210	Support Activities for Animal Production	56	30

Local Food and Beverage Processing and Distribution

25

You have 15 industries in this cluster:

NAICS	Industry	Jobs	Score
311811	Retail Bakeries	61	29
311812	Commercial Bakeries	227	34
424410	General Line Grocery Merchant Wholesalers	149	36

424430	Dairy Product (except Dried or Canned) Merchant Wholesalers	202	37
424490	Other Grocery and Related Products Merchant Wholesalers	114	31
445110	Supermarkets and Other Grocery (except Convenience) Stores	1,507	19
445120	Convenience Stores	93	28
445210	Meat Markets	75	29
445291	Baked Goods Stores	19	29
445299	All Other Specialty Food Stores	110	30
445310	Beer, Wine, and Liquor Stores	163	29
446191	Food (Health) Supplement Stores	31	28
453991	Tobacco Stores	36	30
454210	Vending Machine Operators	31	30
454390	Other Direct Selling Establishments	127	30

Local Hospitality Establishments








24

You have 12 industries in this cluster:

NAICS	Industry	Jobs	Score
453220	Gift, Novelty, and Souvenir Stores	153	29
611620	Sports and Recreation Instruction	128	26
713910	Golf Courses and Country Clubs	348	27
713940	Fitness and Recreational Sports Centers	193	32
713950	Bowling Centers	43	29
722310	Food Service Contractors	802	28
722320	Caterers	73	28
722410	Drinking Places (Alcoholic Beverages)	491	34
722511	Full-Service Restaurants	3,390	14
722513	Limited-Service Restaurants	4,207	29
722514	Cafeterias, Grill Buffets, and Buffets	31	28

722515	Snack and Nonalcoholic Beverage Bars	526	26
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Clusters That Don't Appear in Your Region

-  Tobacco
-  Upstream Chemical Products
-  Music and Sound Recording
-  Metal Mining
-  Jewelry and Precious Metals
-  Coal Mining
-  Fishing and Fishing Products



The clusters in this analysis are defined according to the methodology of Harvard Business School's U.S. Cluster Mapping Project. Cluster icons used with permission of the U.S. Cluster Mapping Project (<http://clustermapping.us>).

Source: U.S. Cluster Mapping (<http://clustermapping.us>), Institute for Strategy and Competitiveness, Harvard Business School. Copyright © 2014 President and Fellows of Harvard College. All rights reserved. Research funded in part by the U.S. Department of Commerce, Economic Development Administration.

Emsi has made modifications to the Harvard clusters in order to integrate our additional data.

Appendix A - Data Sources and Calculations

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Shift Share

Shift share is a standard regional analysis method that attempts to determine how much of regional job growth can be attributed to national trends and how much is due to unique regional factors.

State Data Sources

This report uses state data from the following agencies: Michigan Department of Technology, Management and Budget