



**2016 Labor Market Information for Lake Houston Area Economic
Development Partnership**



Prepared By: Cici Choi, Senior Market Analyst
Prepared For: Michael Prats, Vice President

Parameters

Regions

Code	Description
77044	Houston, TX (in Harris county)
77339	Kingwood, TX (in Harris county)
77345	Kingwood, TX (in Harris county)
77338	Humble, TX (in Harris county)
77346	Humble, TX (in Harris county)
77396	Humble, TX (in Harris county)

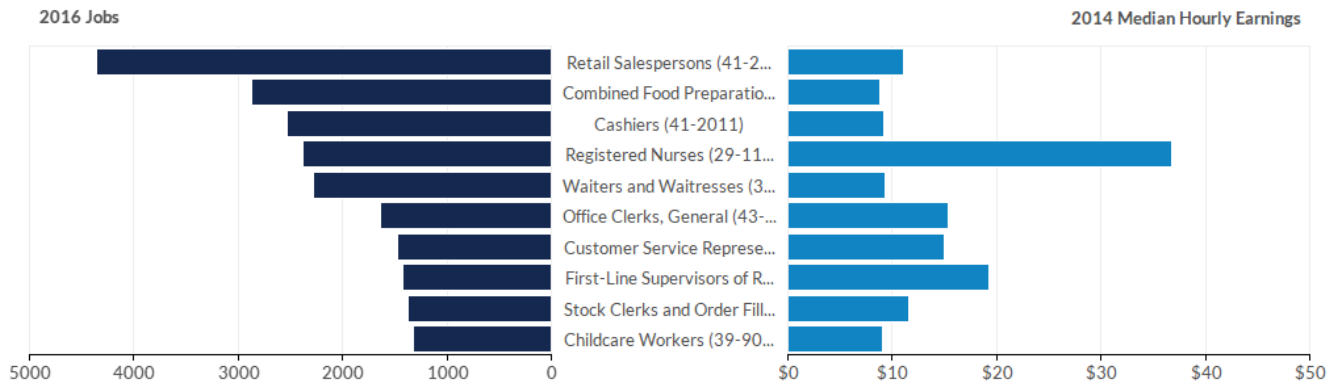
Timeframe

2016 - 2021

Datarun

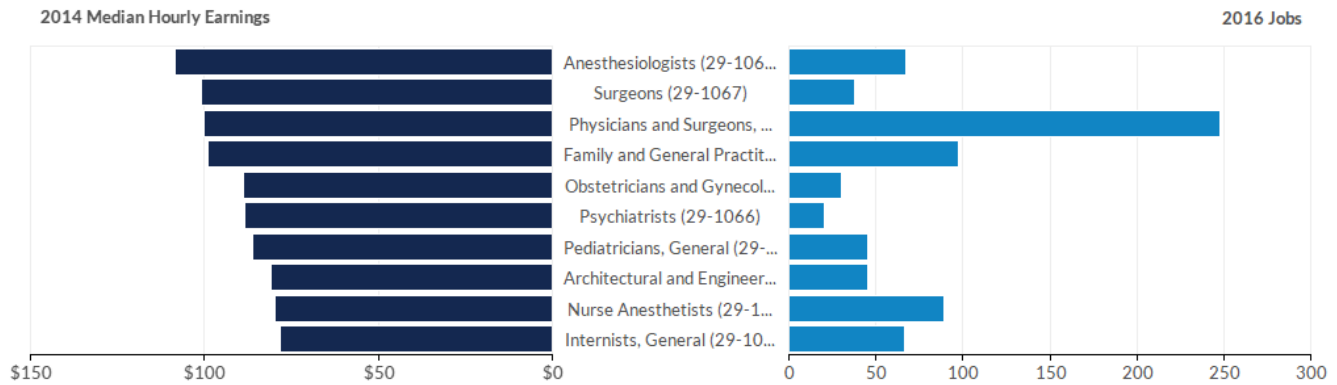
2016.2 – QCEW Employees and Extended Proprietors

Largest Occupations



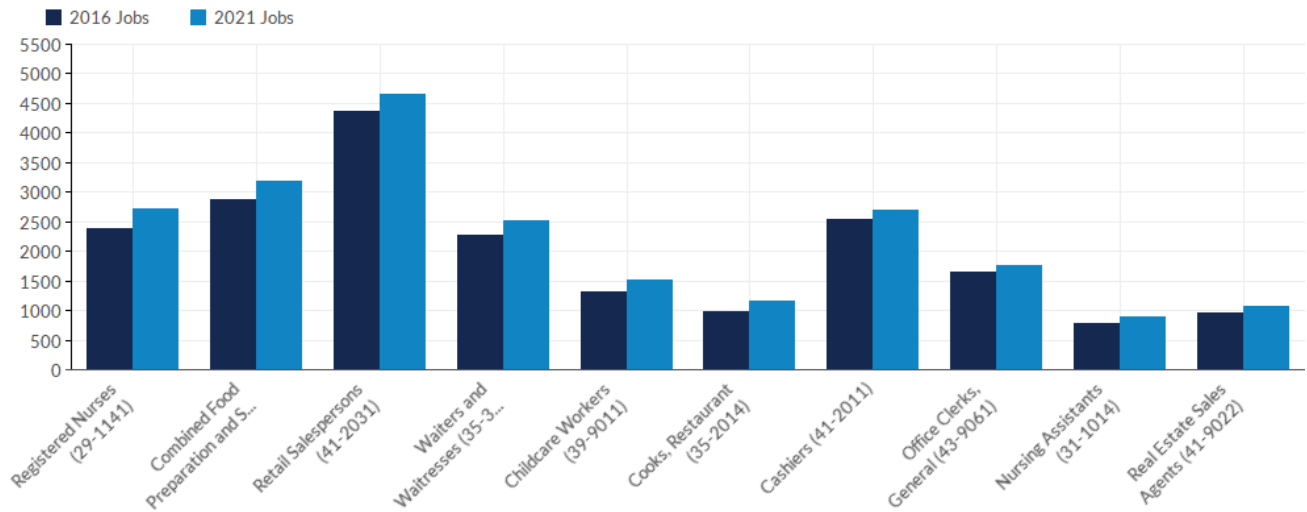
Occupation	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2014 Median Hourly Earnings
Retail Salespersons	4,355	4,647	292	7%	\$11.10
Combined Food Preparation and Serving Workers, Including Fast Food	2,876	3,173	298	10%	\$8.84
Cashiers	2,532	2,691	159	6%	\$9.24
Registered Nurses	2,386	2,719	334	14%	\$36.84
Waiters and Waitresses	2,275	2,516	241	11%	\$9.29
Office Clerks, General	1,642	1,754	112	7%	\$15.39
Customer Service Representatives	1,472	1,543	70	5%	\$14.94
First-Line Supervisors of Retail Sales Workers	1,426	1,481	54	4%	\$19.25
Stock Clerks and Order Fillers	1,370	1,460	90	7%	\$11.58
Childcare Workers	1,320	1,513	193	15%	\$9.12

Highest Paying Occupations



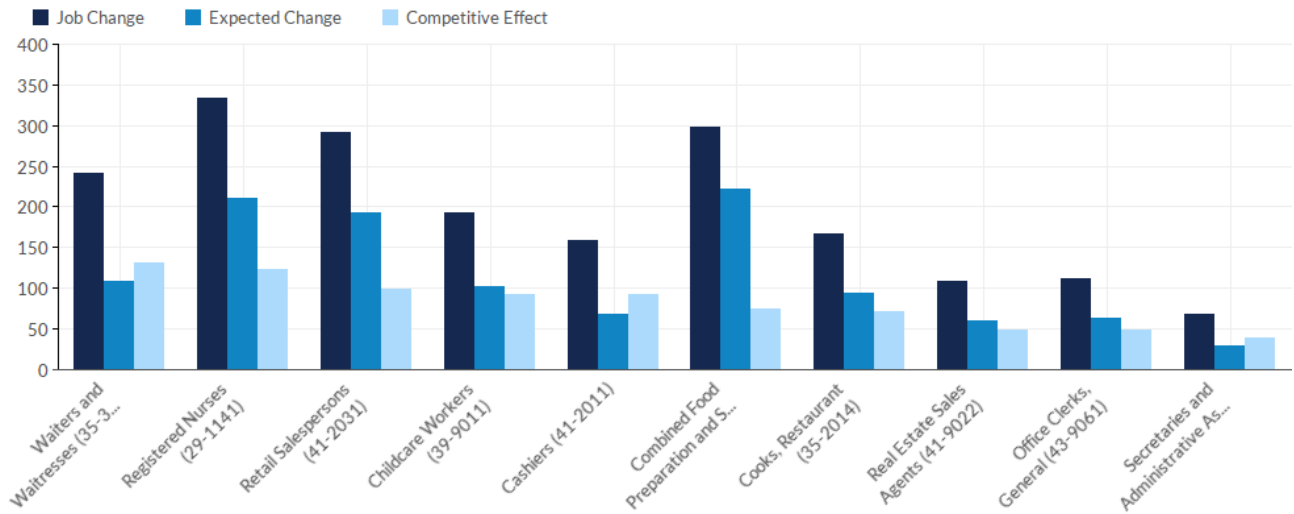
Occupation	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2014 Earnings Per Worker
Anesthesiologists	67	74	7	10%	\$108
Surgeons	38	43	5	13%	\$101
Physicians and Surgeons, All Other	248	283	35	14%	\$100
Family and General Practitioners	97	109	12	12%	\$99
Obstetricians and Gynecologists	30	33	3	10%	\$89
Psychiatrists	20	23	3	15%	\$89
Pediatricians, General	45	49	4	9%	\$86
Architectural and Engineering Managers	45	51	6	13%	\$81
Nurse Anesthetists	89	98	9	10%	\$80
Internists, General	67	72	5	7%	\$78

Fastest Growing Occupations



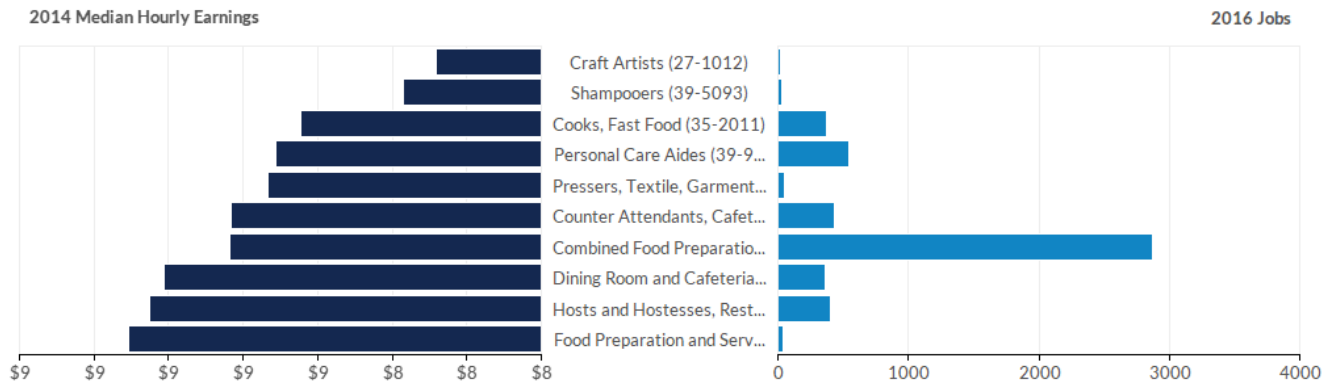
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Retail Salespersons	4,355	4,647	292	7%	\$11.10
Waiters and Waitresses	2,275	2,516	241	11%	\$9.29
Childcare Workers	1,320	1,513	193	15%	\$9.12
Cooks, Restaurant	981	1,147	166	17%	\$10.68
Cashiers	2,532	2,691	159	6%	\$9.24
Office Clerks, General	1,642	1,754	112	7%	\$15.39
Nursing Assistants	778	887	109	14%	\$12.19
Real Estate Sales Agents	955	1,064	109	11%	\$21.42

Most Competitive Occupations



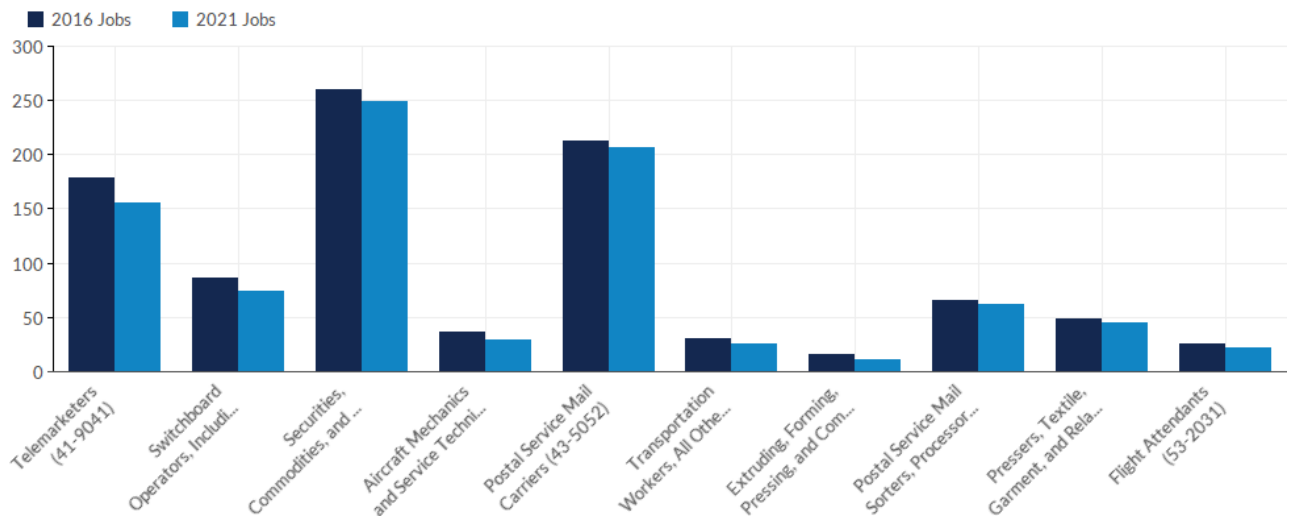
Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Waiters and Waitresses	241	-25	135	110	132
Registered Nurses	334	69	141	210	124
Retail Salespersons	292	-65	258	193	99
Childcare Workers	193	23	78	101	92
Cashiers	159	-83	150	67	92
Combined Food Preparation and Serving Workers, Including Fast Food	298	52	170	222	75
Cooks, Restaurant	166	36	58	94	72
Real Estate Sales Agents	109	3	57	60	49
Office Clerks, General	112	-34	97	63	48
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	69	-16	45	29	39

Lowest Paying Occupations



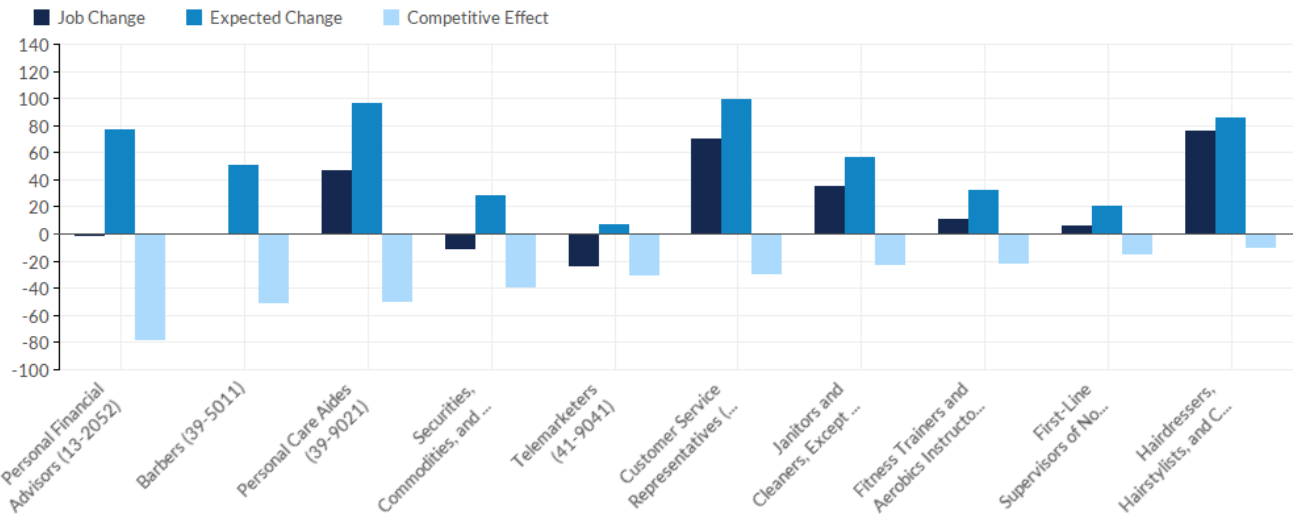
Occupation	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2014 Earnings Per Worker
Craft Artists	25	27	2	8%	\$8
Shampooers	32	38	6	19%	\$8
Cooks, Fast Food	369	375	6	2%	\$9
Personal Care Aides	546	592	46	8%	\$9
Pressers, Textile, Garment, and Related Materials	48	44	-4	-8%	\$9
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	429	465	36	8%	\$9
Combined Food Preparation and Serving Workers, Including Fast Food	2,876	3,173	297	10%	\$9
Dining Room and Cafeteria Attendants and Bartender Helpers	359	398	39	11%	\$9
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	407	452	45	11%	\$9
Food Preparation and Serving Related Workers, All Other	42	45	3	7%	\$9

Slowest Growing Occupations



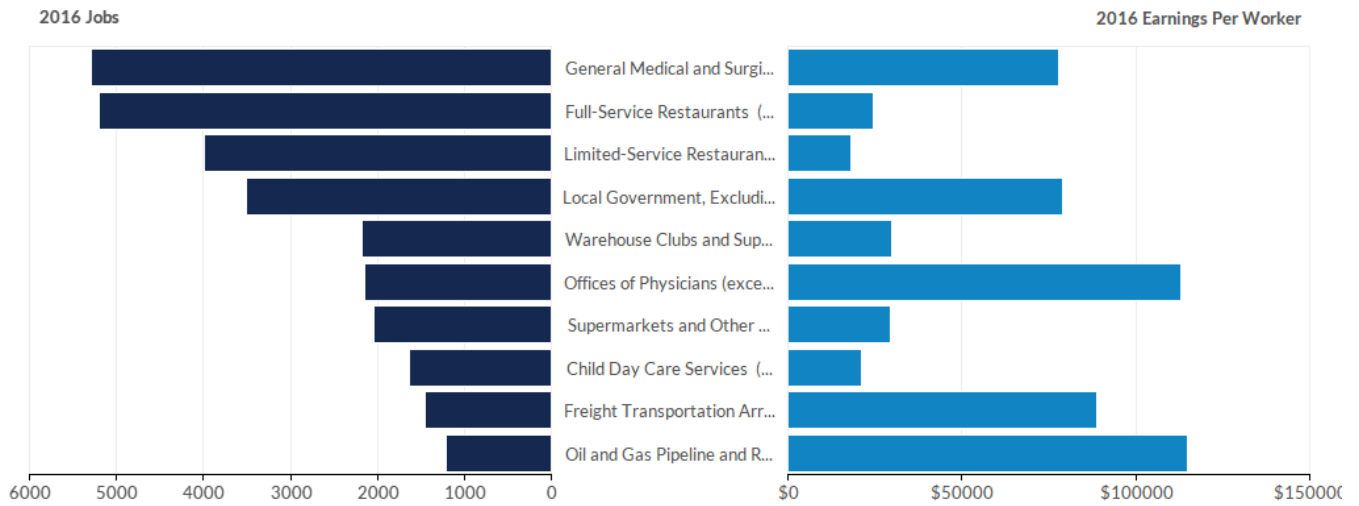
Occupation	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2014 Median Hourly Earnings
Telemarketers	178	155	-23	-13%	\$11.75
Switchboard Operators, Including Answering Service	86	74	-12	-14%	\$13.11
Securities, Commodities, and Financial Services Sales Agents	260	249	-10	-4%	\$29.02
Aircraft Mechanics and Service Technicians	36	29	-7	-20%	\$29.71
Postal Service Mail Carriers	212	207	-5	-3%	\$28.03
Transportation Workers, All Other	30	25	-5	-17%	\$12.61
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	16	11	-5	-30%	\$11.23
Postal Service Mail Sorters, Processors, and Processing Machine Operators	66	62	-4	-6%	\$26.71
Pressers, Textile, Garment, and Related Materials	48	44	-4	-8%	\$8.73
Flight Attendants	25	21	-4	-16%	\$19.41

Least Competitive Occupations



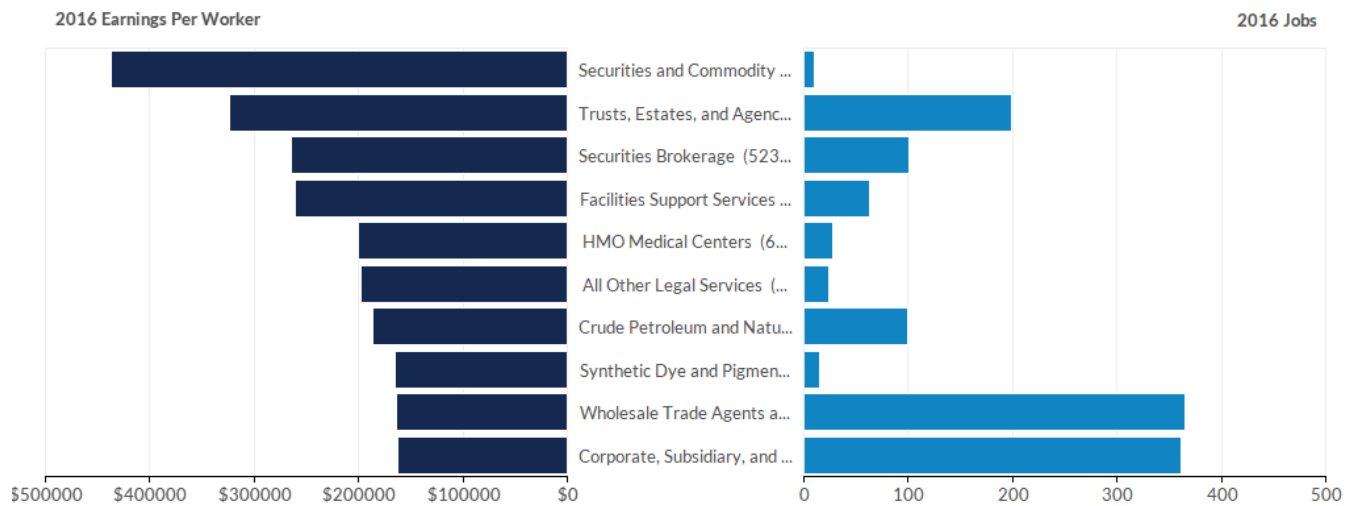
Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Personal Financial Advisors	-1	57	19	76	-77
Barbers	0	33	17	50	-50
Personal Care Aides	47	64	32	96	-49
Securities, Commodities, and Financial Services Sales Agents	-10	13	15	28	-39
Telemarketers	-23	-4	11	7	-30
Customer Service Representatives	70	12	87	99	-29
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	35	7	50	57	-22
Fitness Trainers and Aerobics Instructors	11	10	22	32	-21
First-Line Supervisors of Non-Retail Sales Workers	6	5	15	20	-15
Hairdressers, Hairstylists, and Cosmetologists	76	49	37	86	-9

Largest Industries



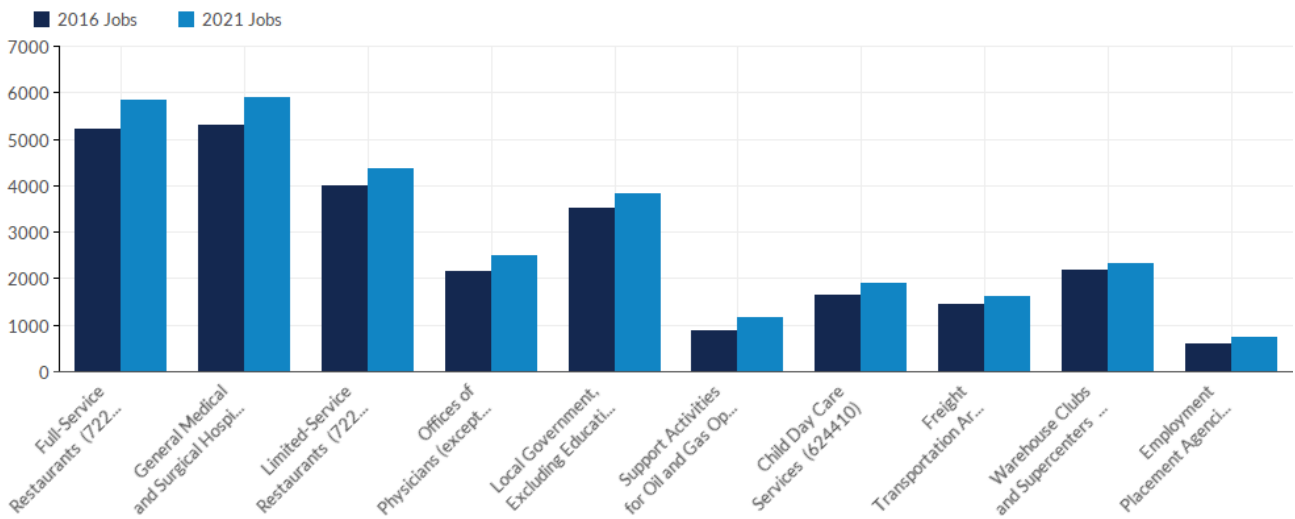
Industry	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2016 Earnings Per Worker
General Medical and Surgical Hospitals	5,297	5,897	600	11%	\$77,856
Full-Service Restaurants	5,201	5,827	626	12%	\$24,492
Limited-Service Restaurants	3,984	4,378	394	10%	\$18,037
Local Government, Excluding Education and Hospitals	3,513	3,828	315	9%	\$78,929
Warehouse Clubs and Supercenters	2,184	2,328	145	7%	\$29,840
Offices of Physicians (except Mental Health Specialists)	2,145	2,491	347	16%	\$113,089
Supermarkets and Other Grocery (except Convenience) Stores	2,038	2,152	115	6%	\$29,327
Child Day Care Services	1,634	1,895	261	16%	\$21,010
Freight Transportation Arrangement	1,445	1,613	168	12%	\$88,661
Oil and Gas Pipeline and Related Structures Construction	1,205	1,298	93	8%	\$114,922

Highest Paying Industries



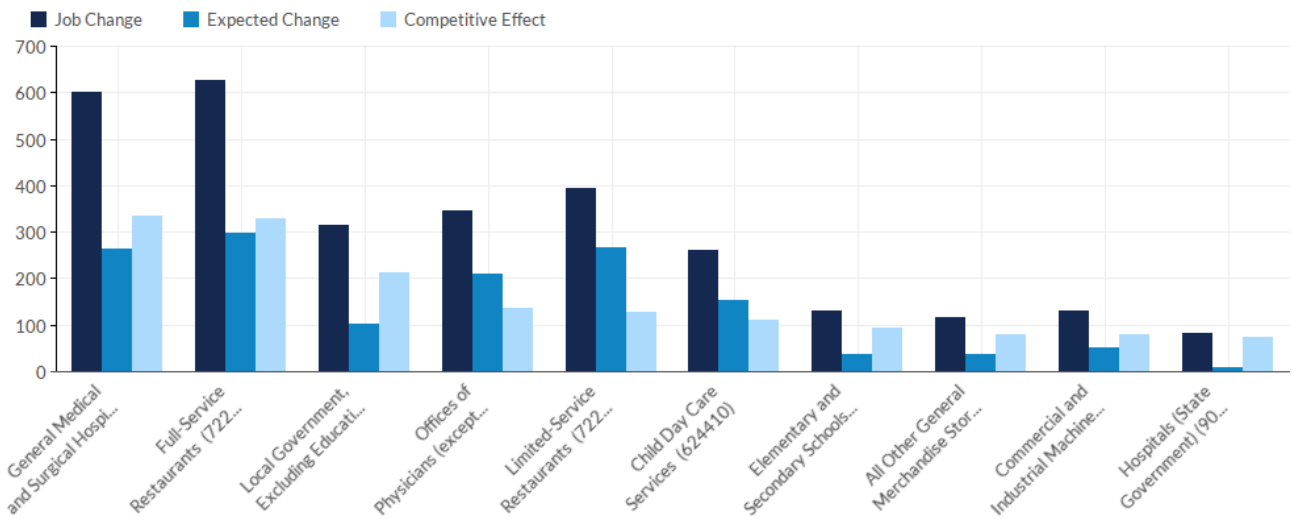
Industry	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2016 Earnings Per Worker
Securities and Commodity Exchanges	10	12	2	20%	\$437,069
Trusts, Estates, and Agency Accounts	199	299	100	50%	\$323,641
Securities Brokerage	100	108	8	8%	\$264,242
Facilities Support Services	64	59	-5	-8%	\$261,092
HMO Medical Centers	28	34	6	21%	\$200,576
All Other Legal Services	24	31	7	29%	\$198,194
Crude Petroleum and Natural Gas Extraction	99	116	17	17%	\$185,873
Synthetic Dye and Pigment Manufacturing	15	17	2	13%	\$164,875
Wholesale Trade Agents and Brokers	366	450	84	23%	\$163,356
Corporate, Subsidiary, and Regional Managing Offices	361	445	84	23%	\$162,029

Fastest Growing Industries



Industry	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2016 Earnings Per Worker
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General Medical and Surgical Hospitals	5,297	5,897	600	11%	\$77,856
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Offices of Physicians (except Mental Health Specialists)	2,145	2,491	347	16%	\$113,089
Local Government, Excluding Education and Hospitals	3,513	3,828	315	9%	\$78,929
Support Activities for Oil and Gas Operations	890	1,164	274	31%	\$136,337
Child Day Care Services	1,634	1,895	261	16%	\$21,010
Freight Transportation Arrangement	1,445	1,613	168	12%	\$88,661
Warehouse Clubs and Supercenters	2,184	2,328	145	7%	\$29,840
Employment Placement Agencies	594	727	133	22%	\$52,919

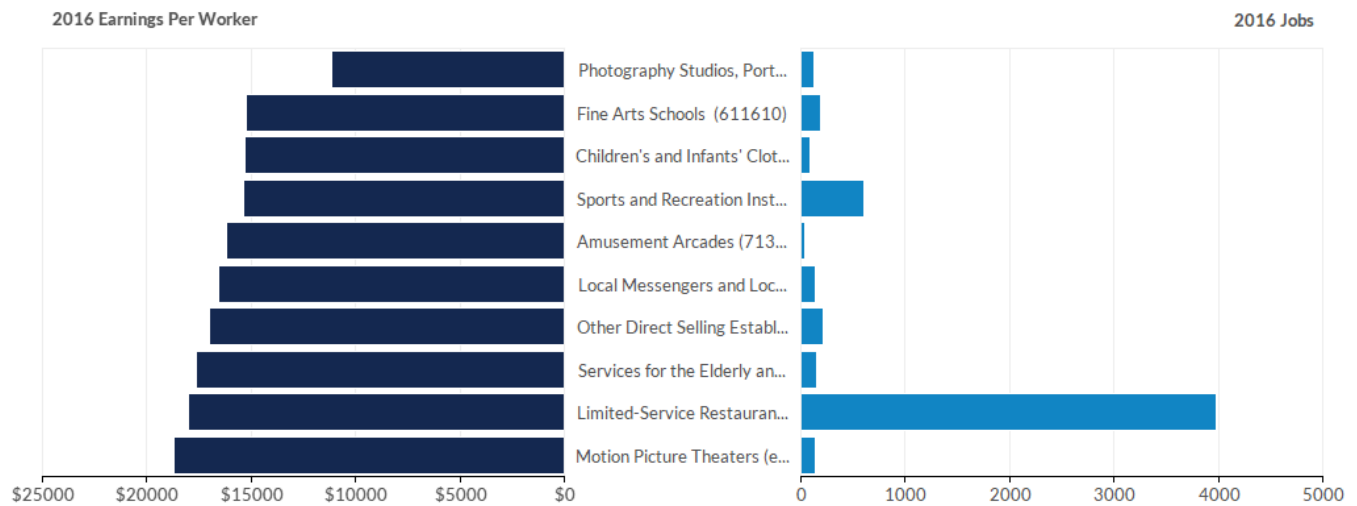
Most Competitive Industries



Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
General Medical and Surgical Hospitals	600	-49	314	265	335	\$77,856
Full-Service Restaurants	626	-11	308	297	329	\$24,492
Local Government, Excluding Education and Hospitals	315	-106	208	102	213	\$78,929
Offices of Physicians (except Mental Health Specialists)	347	83	127	210	137	\$113,089
Limited-Service Restaurants	394	31	236	267	127	\$18,037
Child Day Care Services	261	55	97	152	109	\$21,010
Elementary and Secondary Schools (Local Government)	131	-18	55	37	94	\$59,055
All Other	116	17	21	38	78	\$25,803

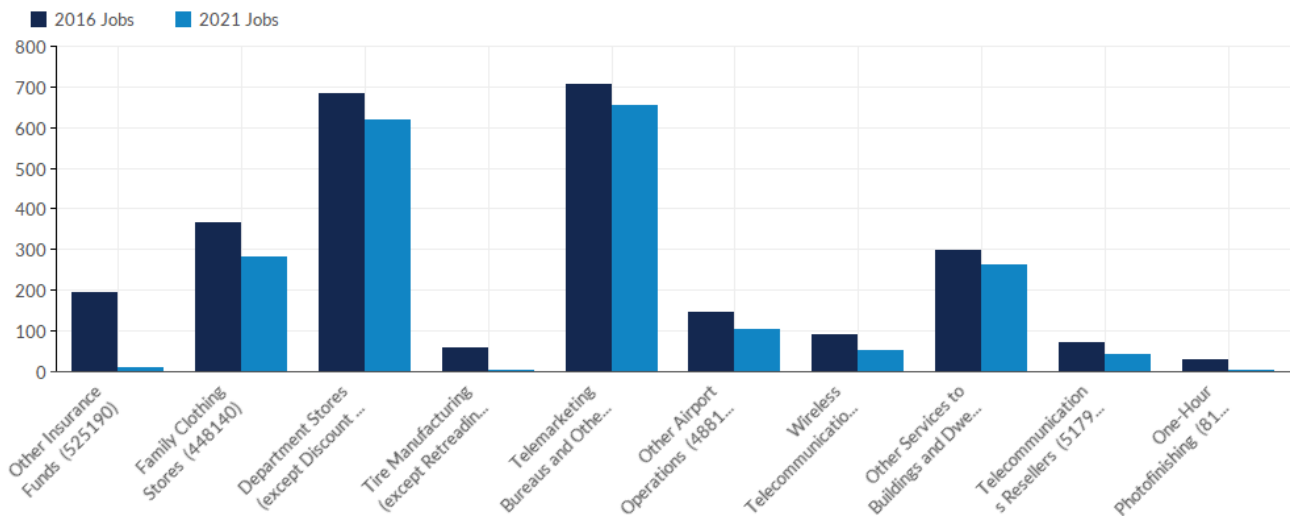
Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
General Merchandise Stores						
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	130	8	44	52	78	\$92,551
Hospitals (State Government)	83	-50	60	10	74	\$142,205

Lowest Paying Industries



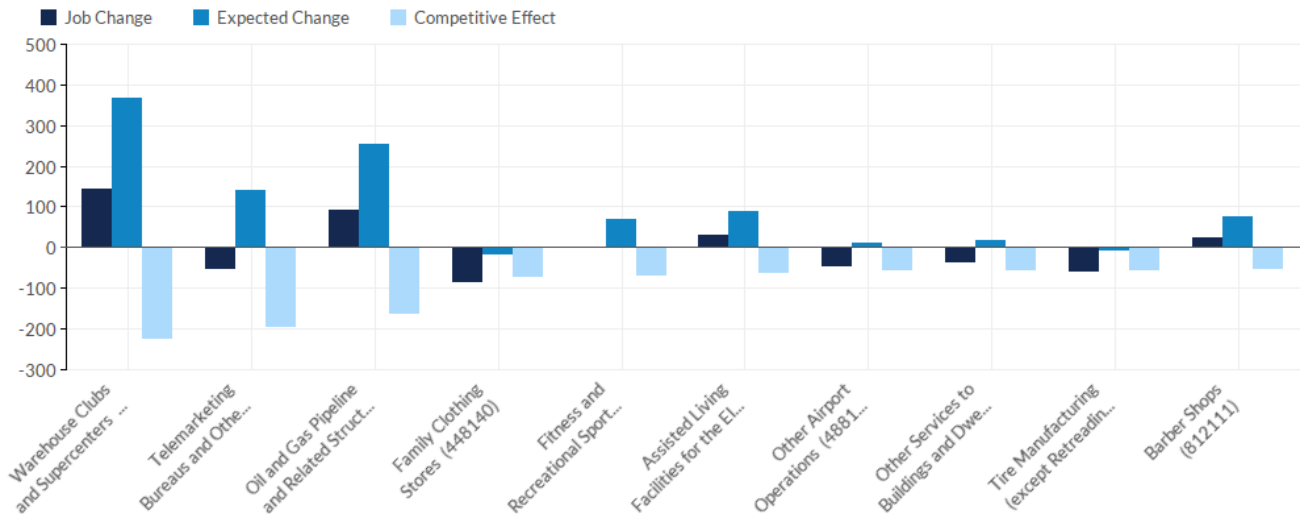
Industry	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2016 Earnings Per Worker
Photography Studios, Portrait	124	125	1	1%	\$11,174
Fine Arts Schools	192	194	2	1%	\$15,229
Children's and Infants' Clothing Stores	90	98	8	9%	\$15,296
Sports and Recreation Instruction	608	727	119	20%	\$15,386
Amusement Arcades	39	39	0	0%	\$16,186
Local Messengers and Local Delivery	134	152	18	13%	\$16,565
Other Direct Selling Establishments	220	231	11	5%	\$17,007
Services for the Elderly and Persons with Disabilities	152	186	34	22%	\$17,622
Limited-Service Restaurants	3,984	4,378	394	10%	\$18,037
Motion Picture Theaters (except Drive-Ins)	137	146	9	7%	\$18,714

Slowest Growing Industries



Industry	2016 Jobs	2021 Jobs	Change in Jobs (2016-2021)	% Change	2016 Earnings Per Worker
Other Insurance Funds	193	9	-184	-95%	\$45,798
Family Clothing Stores	366	282	-84	-23%	\$22,041
Department Stores (except Discount Department Stores)	684	618	-66	-10%	\$29,820
Tire Manufacturing (except Retreading)	60	3	-57	-95%	\$49,159
Telemarketing Bureaus and Other Contact Centers	707	655	-52	-7%	\$34,390
Other Airport Operations	147	102	-45	-30%	\$30,388
Wireless Telecommunications Carriers (except Satellite)	90	52	-38	-42%	\$80,381
Other Services to Buildings and Dwellings	297	261	-36	-12%	\$32,070
Telecommunications Resellers	71	41	-30	-42%	\$79,981
One-Hour Photofinishing	30	4	-27	-87%	\$13,089

Least Competitive Industries

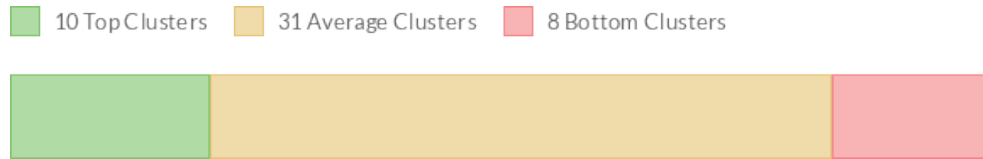


Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Warehouse Clubs and Supercenters	145	237	129	366	-222	\$29,840
Telemarketing Bureaus and Other Contact Centers	-52	100	42	142	-193	\$34,390
Oil and Gas Pipeline and Related Structures Construction	93	181	71	252	-159	\$114,922
Family Clothing Stores	-84	-38	22	-16	-69	\$22,041
Fitness and Recreational Sports Centers	3	15	56	71	-68	\$19,791
Assisted Living Facilities for the Elderly	30	60	29	89	-60	\$31,614
Other Airport Operations	-45	1	9	10	-55	\$30,388
Other Services to Buildings and Dwellings	-36	0	18	18	-53	\$32,070

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Buildings and Dwellings						
Tire Manufacturing (except Retreading)	-57	-8	4	-4	-53	\$49,159
Barber Shops	24	52	22	74	-50	\$25,073

Executive Summary

Your **highest ranked cluster is Food Processing and Manufacturing**, with a score of 65 (out of 100) points. **Top clusters** must have a score of **at least 40**, while **bottom clusters** must have a score of **20 or less**. These thresholds are determined by applying the average deviation (plus or minus 10) to the average cluster score 30.



Cluster Rankings

Food Processing and Manufacturing: 65

NAICS	Industry	Jobs	Score
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	320	65

Local Hospitality Establishments: 64

NAICS	Industry	Jobs	Score
453220	Gift, Novelty, and Souvenir Stores	235	18
611620	Sports and Recreation Instruction	608	27
713910	Golf Courses and Country Clubs	768	38
713940	Fitness and Recreational Sports Centers	939	19
713950	Bowling Centers	106	19
722310	Food Service Contractors	57	15
722320	Caterers	24	15
722410	Drinking Places (Alcoholic Beverages)	158	16
722511	Full-Service Restaurants	5,201	86
722513	Limited-Service Restaurants	3,984	72
722514	Cafeterias, Grill Buffets, and Buffets	167	19
722515	Snack and Nonalcoholic	502	22

Local Health Services: 61

NAICS	Industry	Jobs	Score
446110	Pharmacies and Drug Stores	428	24
446130	Optical Goods Stores	81	19
621111	Offices of Physicians (except Mental Health Specialists)	2,145	57
621112	Offices of Physicians, Mental Health Specialists	38	26
621210	Offices of Dentists	731	30
621310	Offices of Chiropractors	118	20
621320	Offices of Optometrists	239	25
621330	Offices of Mental Health Practitioners (except Physicians)	40	21
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	235	21
621391	Offices of Podiatrists	44	22
621399	Offices of All Other Miscellaneous Health Practitioners	79	19
621420	Outpatient Mental Health and Substance Abuse Centers	31	26
621491	HMO Medical Centers	28	39
621492	Kidney Dialysis Centers	68	22
621493	Freestanding Ambulatory Surgical and Emergency Centers	170	28
621511	Medical Laboratories	45	22
621512	Diagnostic Imaging Centers	107	23
621610	Home Health Care Services	164	15
621991	Blood and Organ Banks	12	20
622110	General Medical and Surgical Hospitals	5,297	100

622210	Psychiatric and Substance Abuse Hospitals	574	35
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals	253	28
623110	Nursing Care Facilities (Skilled Nursing Facilities)	675	25
623210	Residential Intellectual and Developmental Disability Facilities	22	15
623311	Continuing Care Retirement Communities	39	17
623312	Assisted Living Facilities for the Elderly	494	22
623990	Other Residential Care Facilities	24	16
812210	Funeral Homes and Funeral Services	28	22
812220	Cemeteries and Crematories	61	22
902622	Hospitals (State Government)	1,011	49
903622	Hospitals (Local Government)	586	32

Construction Products and Services: 55

NAICS	Industry	Jobs	Score
221310	Water Supply and Irrigation Systems	18	20
236210	Industrial Building Construction	33	28
237120	Oil and Gas Pipeline and Related Structures Construction	1,205	62
237130	Power and Communication Line and Related Structures Construction	30	24
237990	Other Heavy and Civil Engineering Construction	23	23
332420	Metal Tank (Heavy Gauge) Manufacturing	41	25
332996	Fabricated Pipe and Pipe	211	32

Oil and Gas Production and Transportation: 51

NAICS	Industry	Jobs	Score
211111	Crude Petroleum and Natural Gas Extraction	99	42
213111	Drilling Oil and Gas Wells	27	33
213112	Support Activities for Oil and Gas Operations	890	56
333132	Oil and Gas Field Machinery and Equipment Manufacturing	131	34
541360	Geophysical Surveying and Mapping Services	62	34

Insurance Services: 48

NAICS	Industry	Jobs	Score
524113	Direct Life Insurance Carriers	28	27
524126	Direct Property and Casualty Insurance Carriers	37	28
524291	Claims Adjusting	15	24
524298	All Other Insurance Related Activities	83	28
525190	Other Insurance Funds	193	44
525920	Trusts, Estates, and Agency Accounts	199	69

Local Government Services: 48

NAICS	Industry	Jobs	Score
903999	Local Government, Excluding Education and Hospitals	3,513	48

Upstream Metal Manufacturing: 47

NAICS	Industry	Jobs	Score
332111	Iron and Steel Forging	346	47

Transportation and Logistics: 42

NAICS	Industry	Jobs	Score
481111	Scheduled Passenger Air Transportation	28	26
481112	Scheduled Freight Air Transportation	63	31
484121	General Freight Trucking, Long-Distance, Truckload	204	20
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	35	32
485510	Charter Bus Industry	14	17
488119	Other Airport Operations	147	7
488490	Other Support Activities for Road Transportation	45	23
488510	Freight Transportation Arrangement	1,445	52
488991	Packing and Crating	74	24

Federal Government Services: 41

NAICS	Industry	Jobs	Score
901149	US Postal Service	368	26
901199	Federal Government, Civilian, Excluding Postal Service	888	47
813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)	54	19

Printing Services: 19

NAICS	Industry	Jobs	Score
323113	Commercial Screen Printing	24	19

Local Retailing of Clothing and General Merchandise: 18

NAICS	Industry	Jobs	Score
448110	Men's Clothing Stores	27	17
448120	Women's Clothing Stores	285	18
448130	Children's and Infants' Clothing Stores	90	16
448140	Family Clothing Stores	366	1
448150	Clothing Accessories Stores	168	20
448190	Other Clothing Stores	136	17
448210	Shoe Stores	246	18
448310	Jewelry Stores	208	20
451130	Sewing, Needlework, and Piece Goods Stores	138	19
452111	Department Stores (except Discount Department Stores)	684	28
452112	Discount Department Stores	334	20
452910	Warehouse Clubs and Supercenters	2,184	16
452990	All Other General Merchandise Stores	353	22
453310	Used Merchandise Stores	174	15

Agricultural Inputs and Services: 18

NAICS	Industry	Jobs	Score
111000	Crop Production	100	17
112000	Animal Production and Aquaculture	72	19
115210	Support Activities for Animal Production	35	17






















Performing Arts: 17

NAICS	Industry	Jobs	Score
711130	Musical Groups and Artists	32	18
711320	Promoters of Performing Arts, Sports, and Similar	14	18
711510	Independent Artists, Writers, and Performers	335	17

Apparel: 16

NAICS	Industry	Jobs	Score
315210	Cut and Sew Apparel Contractors	12	16

Clusters That Don't Appear in Your Region

 Jewelry and Precious Metals	 Video Production and Distributi...	 Upstream Chemical Products
 Downstream Chemical Products	 Aerospace Vehicles and Defense	 Coal Mining
 Water Transportation	 Forestry	 Leather and Related Products
 Music and Sound Recording	 Fishing and Fishing Products	 Footwear
 Metal Mining	 Medical Devices	 Electric Power Generation and T..
 Livestock Processing	 Tobacco	 Recreational and Small Electric ...
 Automotive	 Furniture	 Trailers, Motor Homes, and App...



**CLUSTER
MAPPING**

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.

Appendix A - Data Sources and Calculations

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 and Current Employment Statistics. (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.

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.

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.

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.

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: Texas Workforce Commission