

# Quad City Economic & Workforce Analysis 2017

A Report by the Regional Economic Development Center



# Greater Quad City Industry Analysis

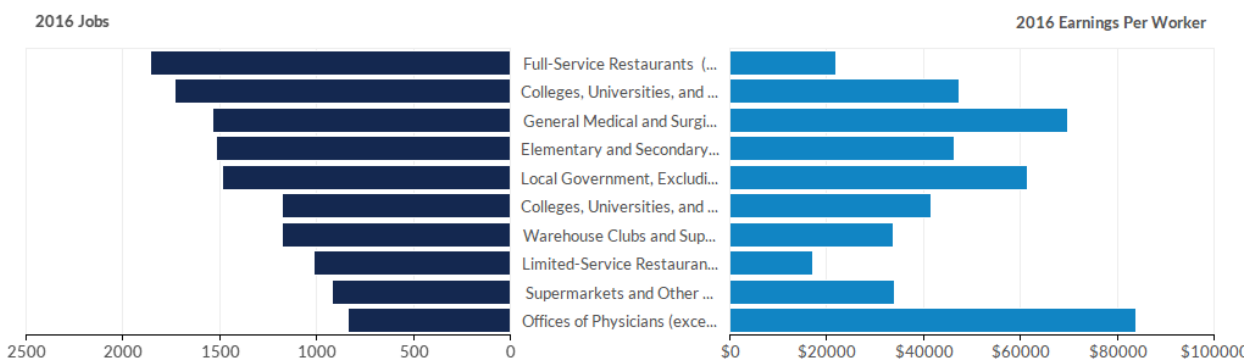
Jobs (2016)	44.2K
Average Earnings (2016)	\$41.5K
Completions (2015)	3.6K
GRP (2016)	\$2.9B
Exports (2016)	\$5.2B
Imports (2016)	\$6.9B

## Gross Regional Product

\$1,754.8M	\$841.9M	\$265.3M	\$2,861.9M
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

Imports 2016 \$6.9B 85% of Demand	\$1.2B Locally Produced & Consumed (2016) 15% of Demand
Exports 2016 \$5.2B	81% of Supply

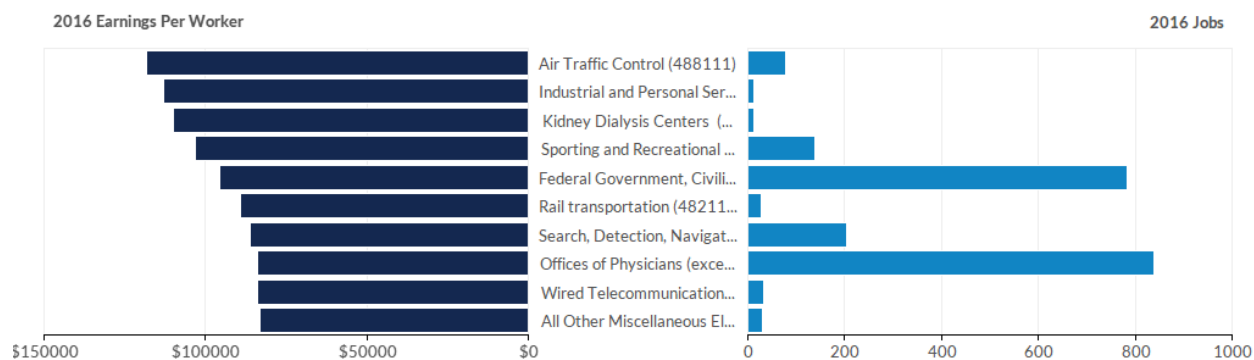
# Largest Industries



Industry	2016 Jobs	2017 Jobs	Change in Jobs (2016-2017)	% Change	2016 Earnings Per Worker
Full-Service Restaurants	1,860	1,915	55	3%	\$22,019
Colleges, Universities, and Professional Schools	1,729	1,852	123	7%	\$47,243
General Medical and Surgical Hospitals	1,537	1,565	28	2%	\$69,702
Elementary and Secondary Schools (Local Government)	1,521	1,507	-14	-1%	\$46,365
Local Government, Excluding Education and Hospitals	1,489	1,492	3	0%	\$61,399
Colleges, Universities, and Professional Schools (Local Government)	1,178	1,182	4	0%	\$41,636
Warehouse Clubs and Supercenters	1,176	1,241	65	6%	\$33,634
Limited-Service Restaurants	1,015	1,063	48	5%	\$17,165
Supermarkets and Other Grocery (except Convenience) Stores	918	912	-6	-1%	\$34,043
Offices of Physicians (except Mental Health Specialists)	839	848	8	1%	\$83,931
Beer and Ale Merchant Wholesalers	837	872	35	4%	\$57,563

Industry	2016 Jobs	2017 Jobs	Change in Jobs (2016-2017)	% Change	2016 Earnings Per Worker
Federal Government, Civilian, Excluding Postal Service	783	806	23	3%	\$95,643
Landscaping Services	596	612	17	3%	\$23,420
Outpatient Mental Health and Substance Abuse Centers	593	653	60	10%	\$55,571
Professional Employer Organizations	569	619	51	9%	\$29,821
Religious Organizations	564	581	17	3%	\$17,116
Hotels (except Casino Hotels) and Motels	550	572	21	4%	\$28,805
Nursing Care Facilities (Skilled Nursing Facilities)	541	599	58	11%	\$42,606
Federal Government, Military	507	521	14	3%	\$22,026
New Single-Family Housing Construction (except For-Sale Builders)	478	464	-13	-3%	\$40,742
New Car Dealers	456	452	-4	-1%	\$53,274
Home Health Care Services	421	456	34	8%	\$26,329
Home Centers	417	430	13	3%	\$28,571
Elementary and Secondary Schools	415	410	-5	-1%	\$33,645
Services for the Elderly and Persons with Disabilities	414	426	11	3%	\$22,206
Highway, Street, and Bridge Construction	405	386	-19	-5%	\$58,764
Plumbing, Heating, and Air-Conditioning Contractors	388	388	0	0%	\$45,075
Discount Department Stores	366	366	0	0%	\$17,879
Offices of Dentists	353	358	5	1%	\$56,895
Assisted Living Facilities for the Elderly	338	356	18	5%	\$31,909

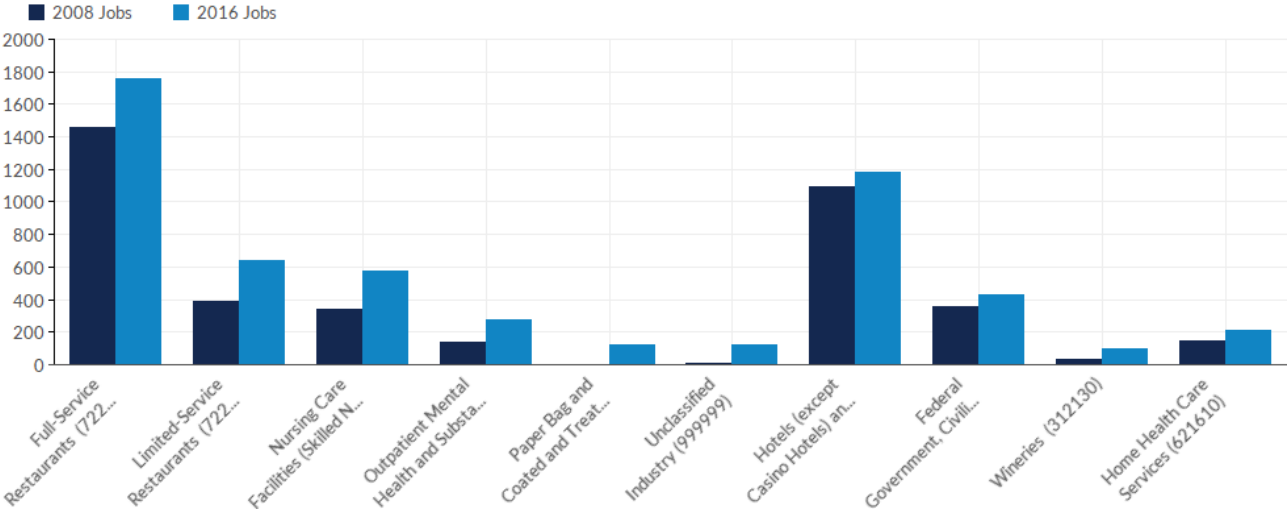
## Highest Paying Industries



Industry	2016 Jobs	2017 Jobs	Change in Jobs (2016-2017)	% Change	2016 Earnings Per Worker
Air Traffic Control	78	85	7	9%	\$118,349
Industrial and Personal Service Paper Merchant Wholesalers	12	13	1	8%	\$113,080
Kidney Dialysis Centers	14	15	1	7%	\$110,034
Sporting and Recreational Goods and Supplies Merchant Wholesalers	138	147	9	7%	\$102,974
Federal Government, Civilian, Excluding Postal Service	783	806	23	3%	\$95,643
Rail transportation	28	29	1	4%	\$89,276
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	204	211	7	3%	\$86,070
Offices of Physicians (except Mental Health Specialists)	839	848	9	1%	\$83,931
Wired Telecommunications Carriers	32	27	-5	-16%	\$83,752
All Other Miscellaneous Electrical Equipment and Component Manufacturing	30	31	1	3%	\$83,303
Securities Brokerage	20	18	-2	-10%	\$81,886
All Other Insurance Related Activities	15	16	1	7%	\$81,777

Industry	2016 Jobs	2017 Jobs	Change in Jobs (2016-2017)	% Change	2016 Earnings Per Worker
Offices of Physicians, Mental Health Specialists	51	56	5	10%	\$81,590
Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	35	37	2	6%	\$81,297
Solid Waste Landfill	16	17	1	6%	\$80,764
Specialty (except Psychiatric and Substance Abuse) Hospitals	17	15	-2	-12%	\$79,976
Portfolio Management	24	22	-2	-8%	\$78,149
Office Administrative Services	63	58	-5	-8%	\$77,833
Other Scientific and Technical Consulting Services	18	19	1	6%	\$76,708
Wholesale Trade Agents and Brokers	81	84	3	4%	\$74,530
Other Support Activities for Air Transportation	31	28	-3	-10%	\$73,917
Natural Gas Distribution	73	86	13	18%	\$73,891
Other Aluminum Rolling, Drawing, and Extruding	36	39	3	8%	\$73,270
Other Chemical and Allied Products Merchant Wholesalers	11	11	0	0%	\$71,167
Engineering Services	132	128	-4	-3%	\$69,853
General Medical and Surgical Hospitals	1,537	1,565	28	2%	\$69,702
Other Aircraft Parts and Auxiliary Equipment Manufacturing	24	20	-4	-17%	\$69,600
Investment Advice	54	58	4	7%	\$69,205
Ready-Mix Concrete Manufacturing	48	49	1	2%	\$69,079
Drugs and Druggists' Sundries Merchant Wholesalers	32	37	5	16%	\$68,892

# Fastest Growing Industries



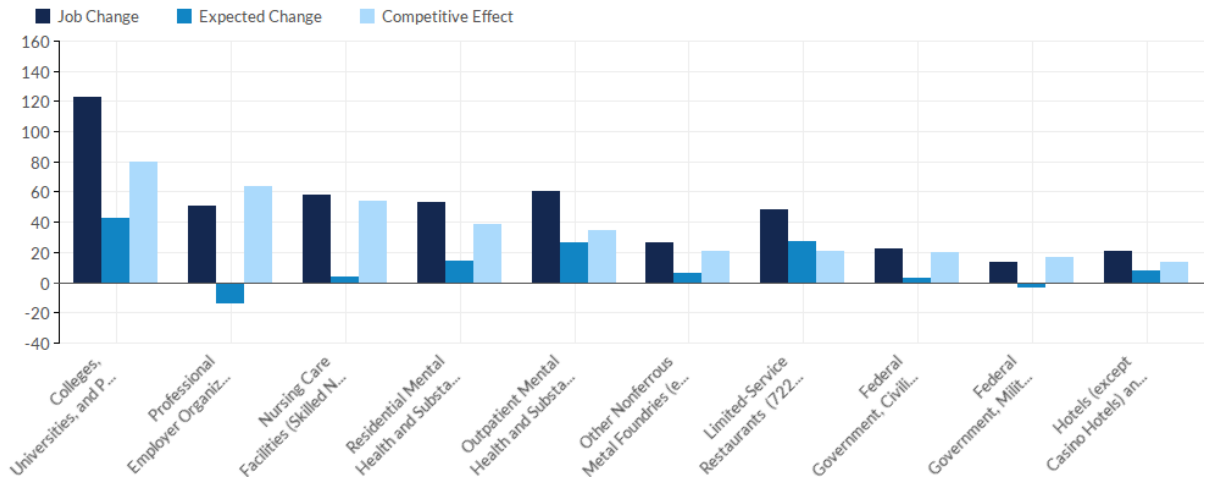
Industry	2008 Jobs	2017 Jobs	Change in Jobs (2008-2017)	% Change	2016 Earnings Per Worker
Colleges, Universities, and Professional Schools	983	1,852	869	88%	\$47,243
Limited-Service Restaurants	614	1,063	450	73%	\$17,165
Full-Service Restaurants	1,547	1,915	369	24%	\$22,019
Outpatient Mental Health and Substance Abuse Centers	303	653	351	116%	\$55,571
Residential Mental Health and Substance Abuse Facilities	36	380	344	969%	\$44,515
Nursing Care Facilities (Skilled Nursing Facilities)	320	599	279	87%	\$42,606
Unclassified Industry	17	285	268	1,627%	\$31,770
Other Nonferrous Metal Foundries (except Die-Casting)	92	353	261	284%	\$51,345
Beer and Ale Merchant Wholesalers	663	872	209	32%	\$57,563
Services for the Elderly and Persons with Disabilities	241	426	184	76%	\$22,206

Industry	2008 Jobs	2017 Jobs	Change in Jobs (2008-2017)	% Change	2016 Earnings Per Worker
Small Arms, Ordnance, and Ordnance Accessories Manufacturing	64	223	158	247%	\$60,916
Federal Government, Civilian, Excluding Postal Service	649	806	157	24%	\$95,643
Home Health Care Services	300	456	156	52%	\$26,329
Discount Department Stores	240	366	126	53%	\$17,879
Diagnostic Imaging Centers	70	193	123	175%	\$50,569
Snack and Nonalcoholic Beverage Bars	159	270	110	69%	\$18,924
Religious Organizations	483	581	98	20%	\$17,116
Professional Employer Organizations	524	619	95	18%	\$29,821
Landscaping Services	518	612	94	18%	\$23,420
Food Service Contractors	170	262	92	54%	\$21,672
Automotive Parts and Accessories Stores	99	188	89	89%	\$35,725
Colleges, Universities, and Professional Schools (State Government)	0	85	85	0%	\$27,510
Natural Gas Distribution	8	86	77	939%	\$73,891
Veterinary Services	177	254	77	43%	\$39,637
Warehouse Clubs and Supercenters	1,167	1,241	74	6%	\$33,634
Offices of All Other Miscellaneous Health Practitioners	47	118	70	149%	\$41,293
Conveyor and Conveying Equipment Manufacturing	8	77	68	830%	\$40,150
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument	143	211	68	48%	\$86,070



Industry	2008 Jobs	2017 Jobs	Change in Jobs (2008-2017)	% Change	2016 Earnings Per Worker
Manufacturing					
Solid Waste Collection	58	126	67	116%	\$35,703
Department Stores (except Discount Department Stores)	110	176	65	59%	\$17,935

## Most Competitive Industries



Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Colleges, Universities, and Professional Schools	123	14	28	42	80	\$47,243
Professional Employer Organizations	51	-23	9	-14	64	\$29,821
Nursing Care Facilities (Skilled Nursing Facilities)	58	-5	9	4	54	\$42,606
Residential Mental Health and Substance Abuse Facilities	53	9	5	14	39	\$44,515
Outpatient Mental Health and Substance Abuse Centers	60	16	10	26	34	\$55,571

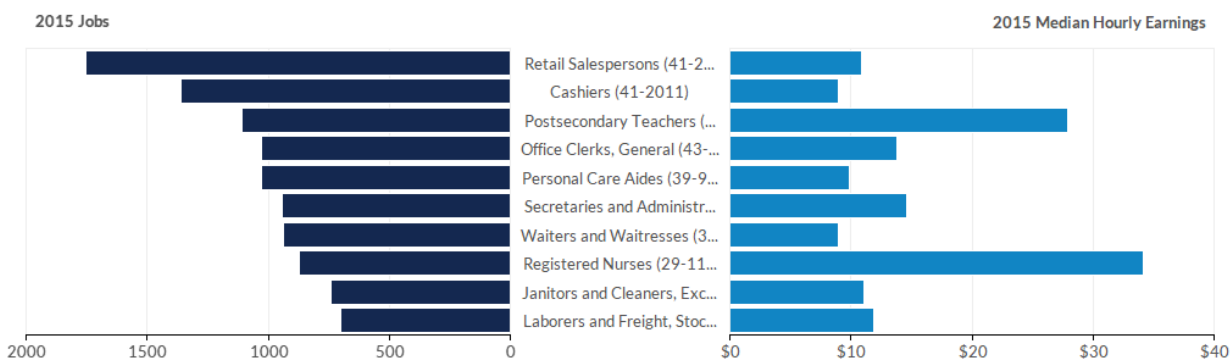
Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Other Nonferrous Metal Foundries (except Die-Casting)	27	1	5	6	21	\$51,345
Limited-Service Restaurants	48	11	17	28	21	\$17,165
Federal Government, Civilian, Excluding Postal Service	23	-10	13	3	20	\$95,643
Federal Government, Military	14	-11	8	-3	17	\$22,026
Hotels (except Casino Hotels) and Motels	21	-2	9	7	14	\$28,805
Full-Service Restaurants	55	12	31	43	13	\$22,019
Department Stores (except Discount Department Stores)	6	-10	3	-7	13	\$17,935
Religious Organizations	17	-5	9	4	13	\$17,116
Warehouse Clubs and Supercenters	65	34	19	53	12	\$33,634
Natural Gas Distribution	12	-1	1	0	12	\$73,891
Diagnostic Imaging	16	2	3	5	11	\$50,569

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Centers						
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	7	-8	3	-5	11	\$86,070
Newspaper Publishers	0	-14	3	-11	11	\$35,450
Home Health Care Services	34	16	7	23	11	\$26,329
Beer and Ale Merchant Wholesalers	35	11	14	25	10	\$57,563
Unclassified Industry	27	13	4	17	10	\$31,770
Automotive Parts and Accessories Stores	12	0	3	3	9	\$35,725
Snack and Nonalcoholic Beverage Bars	20	6	4	10	9	\$18,924
Office Supplies and Stationery Stores	5	-5	1	-4	9	\$27,785
Semiconductor Machinery Manufacturing	9	0	1	1	9	\$48,514
General Medical and Surgical	28	-6	25	19	9	\$69,702

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Hospitals						
Colleges, Universities, and Professional Schools (State Government)	9	0	1	1	8	\$27,510
Conveyor and Conveying Equipment Manufacturing	10	0	1	1	8	\$40,150
Veterinary Services	14	3	4	7	7	\$39,637
Other Commercial and Service Industry Machinery Manufacturing	7	-1	1	0	7	\$57,387

## Greater Quad City Occupation Analysis

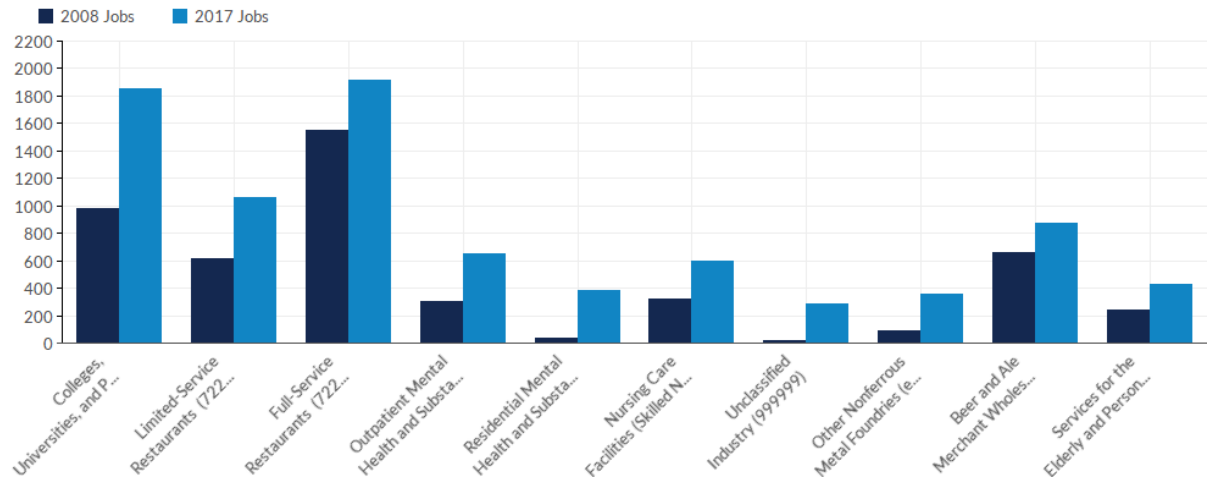
## Largest Occupations & Wages



Occupation	2015 Jobs	2017 Jobs	Change in Jobs (2015-2017)	% Change	2015 Median Hourly Earnings
Retail Salespersons	1,755	1,800	45	3%	\$10.87
Cashiers	1,358	1,400	42	3%	\$9.00
Postsecondary Teachers	1,108	1,144	37	3%	\$27.87
Office Clerks, General	1,027	1,048	20	2%	\$13.78
Personal Care Aides	1,026	1,046	20	2%	\$9.90
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	941	960	19	2%	\$14.61
Waiters and Waitresses	939	1,000	61	6%	\$9.00
Registered Nurses	870	912	42	5%	\$34.16
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	740	750	10	1%	\$11.06
Laborers and Freight, Stock, and Material Movers, Hand	700	693	-7	-1%	\$11.90
Stock Clerks and Order Fillers	657	680	24	4%	\$10.09
First-Line Supervisors of Retail Sales Workers	650	663	13	2%	\$15.71
Combined Food Preparation and Serving Workers, Including Fast Food	631	688	57	9%	\$9.13

Occupation	2015 Jobs	2017 Jobs	Change in Jobs (2015-2017)	% Change	2015 Median Hourly Earnings
Landscaping and Groundskeeping Workers	614	644	30	5%	\$11.74
General and Operations Managers	599	621	22	4%	\$35.19
Medical Secretaries	520	540	19	4%	\$14.59
First-Line Supervisors of Office and Administrative Support Workers	513	528	15	3%	\$20.70
Bookkeeping, Accounting, and Auditing Clerks	508	510	2	0%	\$17.38
Military occupations	500	521	21	4%	\$17.90
Customer Service Representatives	492	517	25	5%	\$13.69
Heavy and Tractor-Trailer Truck Drivers	481	502	21	4%	\$16.87
Carpenters	477	464	-13	-3%	\$16.36
Maids and Housekeeping Cleaners	434	447	13	3%	\$9.85
Construction Laborers	424	424	0	0%	\$12.92
Maintenance and Repair Workers, General	412	426	14	3%	\$15.80
Cooks, Restaurant	385	421	36	9%	\$11.12
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	369	391	23	6%	\$23.47
Automotive Service Technicians and Mechanics	363	381	18	5%	\$16.12
Light Truck or Delivery Services Drivers	352	365	12	3%	\$16.44
Teacher Assistants	336	336	0	0%	\$11.22

## Fastest Growing Occupations



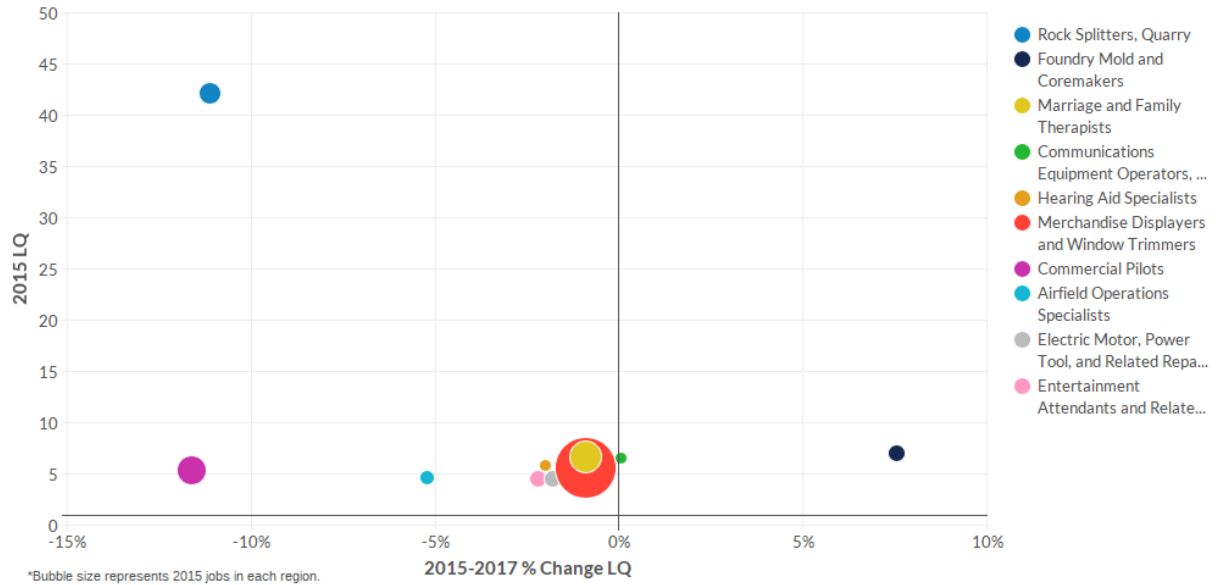
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Conveyor and Conveying Equipment Manufacturing	8	77	68	830%	\$40,150
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	143	211	68	48%	\$86,070
Solid Waste Collection	58	126	67	116%	\$35,703
Department Stores (except	110	176	65	59%	\$17,935

Industry	2008 Jobs	2017 Jobs	Change in Jobs (2008-2017)	% Change	2016 Earnings Per Worker
Discount Department Stores)					

## Highest Occupation Location Quotient

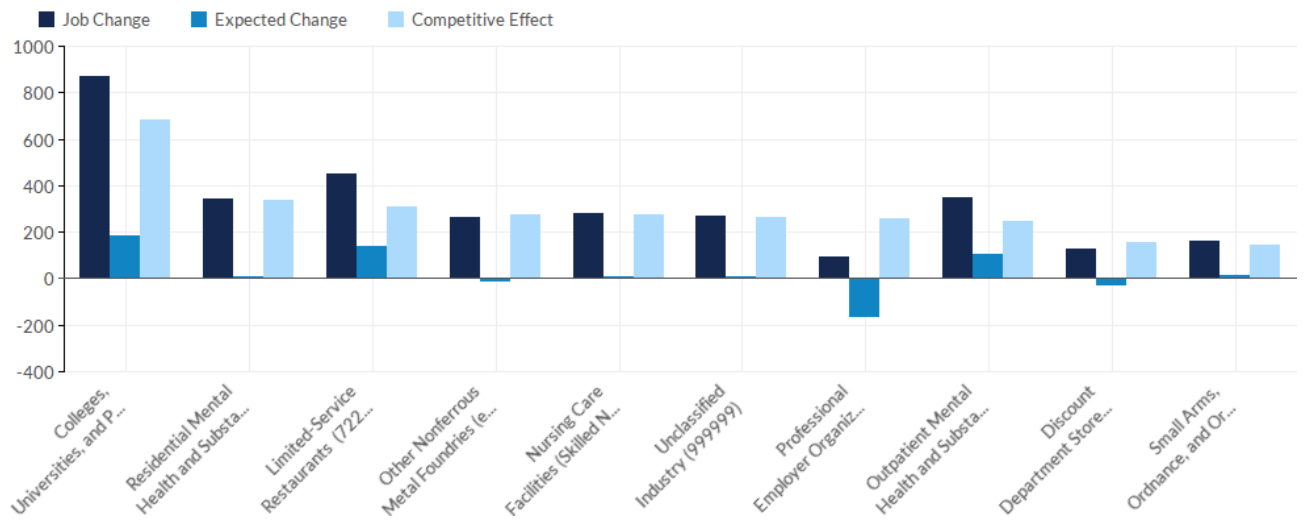


Occupation	2015 Jobs	2017 Jobs	% Change	2015 LQ	2017 LQ	% Change LQ	2015 Median Hourly Earnings
Rock Splitters, Quarry	43	40	-6%	42.12	37.44	-11%	\$16.80
Foundry Mold and Coremakers	25	26	3%	6.99	7.52	8%	\$14.80
Marriage and Family Therapists	74	78	5%	6.65	6.58	-1%	\$28.35
Communication s Equipment Operators, All Other	4	5	2%	6.51	6.52	0%	\$19.21
Hearing Aid Specialists	10	11	4%	5.79	5.68	-2%	\$25.59
Merchandise Displayers and Window Trimmers	167	170	1%	5.59	5.54	-1%	\$16.68
Commercial	63	59	-7%	5.30	4.68	-12%	\$36.83

Occupation	2015 Jobs	2017 Jobs	% Change	2015 LQ	2017 LQ	% Change LQ	2015 Median Hourly Earnings
Pilots							
Airfield Operations Specialists	11	11	-2%	4.69	4.44	-5%	\$26.48
Electric Motor, Power Tool, and Related Repairers	23	23	-1%	4.58	4.50	-2%	\$15.89
Entertainment Attendants and Related Workers, All Other	21	21	2%	4.55	4.45	-2%	\$11.96
Pourers and Casters, Metal	11	12	5%	4.23	4.63	9%	\$16.31
First-Line Supervisors of Fire Fighting and Prevention Workers	66	67	1%	4.05	4.00	-1%	\$35.40
Mathematical Technicians	1	1	-3%	4.03	3.83	-5%	\$15.45
Drywall and Ceiling Tile Installers	127	107	-16%	3.85	3.20	-17%	\$16.52
Education Administrators, Postsecondary	144	147	2%	3.84	3.84	0%	\$40.48
Healthcare Social Workers	182	187	3%	3.83	3.72	-3%	\$27.63
Paving, Surfacing, and Tamping Equipment Operators	54	49	-10%	3.64	3.16	-13%	\$16.91

Occupation	2015 Jobs	2017 Jobs	% Change	2015 LQ	2017 LQ	% Change LQ	2015 Median Hourly Earnings
Prosthodontists	1	1	4%	3.46	3.49	1%	\$76.29
Tapers	23	19	-15%	3.44	2.89	-16%	\$20.13
Medical Secretaries	520	540	4%	3.38	3.34	-1%	\$14.59
Control and Valve Installers and Repairers, Except Mechanical Door	40	43	9%	3.32	3.53	6%	\$20.24
Stonemasons	16	15	-9%	3.30	2.95	-11%	\$11.38
Tire Repairers and Changers	98	104	7%	3.16	3.27	3%	\$10.51
Adult Basic and Secondary Education and Literacy Teachers and Instructors	64	63	-1%	3.12	2.99	-4%	\$20.07
Plasterers and Stucco Masons	24	20	-16%	3.10	2.56	-18%	\$14.40
Audiologists	11	11	4%	3.04	3.01	-1%	\$32.62
Tour Guides and Escorts	38	47	22%	2.96	3.39	15%	\$14.44
Biomedical Engineers	17	19	9%	2.87	2.90	1%	\$39.39
Cabinetmakers and Bench Carpenters	83	76	-9%	2.84	2.50	-12%	\$15.36
Fire Inspectors and Investigators	10	9	-2%	2.78	2.67	-4%	\$26.15

## Most Competitive Industries



Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Colleges, Universities, and Professional Schools	869	131	54	185	684	\$47,243
Residential Mental Health and Substance Abuse Facilities	344	7	2	9	335	\$44,515
Limited-Service Restaurants	450	106	34	140	309	\$17,165
Other Nonferrous Metal Foundries (except Die-Casting)	261	-16	5	-11	272	\$51,345
Nursing Care	279	-11	18	7	272	\$42,606

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Facilities (Skilled Nursing Facilities)						
Unclassified Industry	268	6	1	7	262	\$31,770
Professional Employer Organizations	95	-192	29	-163	258	\$29,821
Outpatient Mental Health and Substance Abuse Centers	351	89	17	106	245	\$55,571
Discount Department Stores	126	-41	13	-28	154	\$17,879
Small Arms, Ordnance, and Ordnance Accessories Manufacturing	158	11	4	15	144	\$60,916
Diagnostic Imaging Centers	123	0	4	4	119	\$50,569
Federal Government, Civilian, Excluding Postal Service	157	20	36	56	101	\$95,643
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and	68	-39	8	-31	99	\$86,070

Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Instrument Manufacturing						
Department Stores (except Discount Department Stores)	65	-32	6	-26	91	\$17,935
Beer and Ale Merchant Wholesalers	209	86	37	123	87	\$57,563
Full-Service Restaurants	369	197	85	282	87	\$22,019
Religious Organizations	98	-15	27	12	87	\$17,116
Colleges, Universities, and Professional Schools (State Government)	85	0	0	0	85	\$27,510
Federal Government, Military	55	-53	26	-27	82	\$22,026
Natural Gas Distribution	77	0	0	0	77	\$73,891
Automotive Parts and Accessories Stores	89	8	5	13	75	\$35,725
Conveyor and Conveying Equipment Manufacturing	68	0	0	0	68	\$40,150
Snack and Nonalcoholic Beverage	110	34	9	43	68	\$18,924



Industry	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect	2016 Earnings Per Worker
Bars						
Other Commercial and Service Industry Machinery Manufacturing	65	0	0	0	65	\$57,387
Newspaper Publishers	-24	-97	10	-87	63	\$35,450
Semiconductor Machinery Manufacturing	61	0	0	0	61	\$48,514
All Other Travel Arrangement and Reservation Services	65	0	4	4	61	\$39,114
Machine Shops	59	-6	6	0	60	\$45,524
Office Supplies and Stationery Stores	45	-13	2	-11	56	\$27,785
Solid Waste Collection	67	11	3	14	54	\$35,703

## Appendix A Parameters

Code	Description
86301	Prescott, AZ (in Yavapai county)
86302	Prescott, AZ (in Yavapai county)
86303	Prescott, AZ (in Yavapai county)
86304	Prescott, AZ (in Yavapai county)
86305	Prescott, AZ (in Yavapai county)
86312	Prescott Valley, AZ (in Yavapai county)
86313	Prescott, AZ (in Yavapai county)
86314	Prescott Valley, AZ (in Yavapai county)
86315	Prescott Valley, AZ (in Yavapai county)
86323	Chino Valley, AZ (in Yavapai county)
86327	Dewey, AZ (in Yavapai county)
86329	Humboldt, AZ (in Yavapai county)

## Appendix B Sources

### 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.

### State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics

### 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.