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October 2017

**Mid-America Technology Center  
Highest Ranked Occupations Report**



Providing Valid and Reliable Data

Information  
Management  
Division

# Parameters

## Regions

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Code	Description
40027	Cleveland County, OK
40049	Garvin County, OK
40051	Grady County, OK
40087	McClain County, OK
40125	Pottawatomie County, OK

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## Education Levels

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Description
Less than high school
High school diploma or equivalent
Some college, no degree
Postsecondary non-degree award
Associate's degree

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## Timeframe

2017 - 2027

## Datarun

2017.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

# Largest Occupations

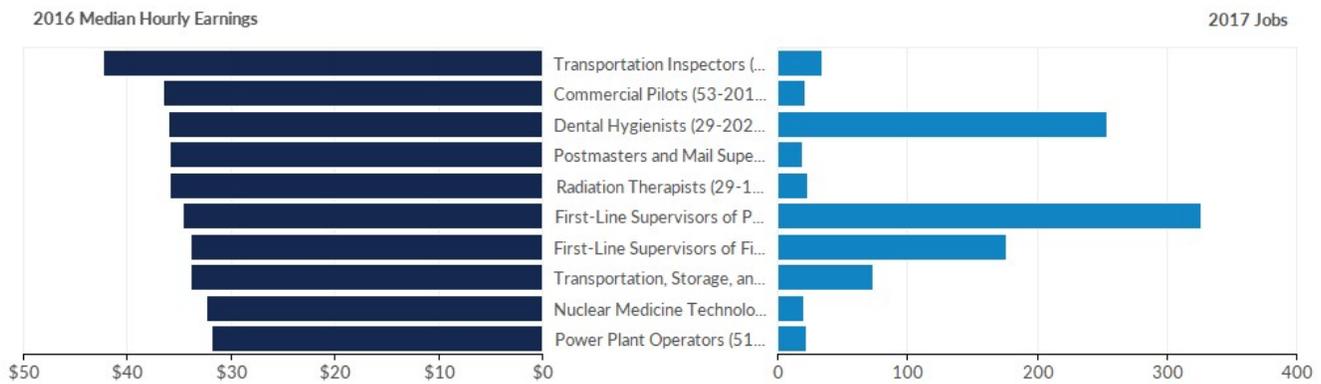


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Retail Salespersons	5,162	6,203	1,041	20%	\$9.83
Combined Food Preparation and Serving Workers, Including Fast Food	4,345	4,969	624	14%	\$8.41
Cashiers	4,274	4,765	491	11%	\$8.84
Office Clerks, General	3,248	3,386	139	4%	\$12.35
Waiters and Waitresses	2,999	3,127	128	4%	\$8.59
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	2,944	3,073	129	4%	\$14.07
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,372	2,597	225	9%	\$10.52
Stock Clerks and Order Fillers	2,228	2,636	408	18%	\$10.67
Customer Service Representatives	2,170	2,173	2	0%	\$13.30
Heavy and Tractor-Trailer Truck Drivers	2,064	2,376	312	15%	\$17.62
First-Line Supervisors of Retail Sales Workers	2,063	2,312	250	12%	\$14.97
Laborers and Freight, Stock, and Material Movers, Hand	2,047	2,358	312	15%	\$13.07
Bookkeeping, Accounting, and Auditing Clerks	1,960	1,902	-59	-3%	\$15.82
Cooks, Fast Food	1,951	1,777	-175	-9%	\$8.46
First-Line Supervisors of Office	1,706	1,897	191	11%	\$22.10

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
and Administrative Support Workers					
Construction Laborers	1,596	1,833	237	15%	\$13.26
Childcare Workers	1,546	1,480	-65	-4%	\$8.08
Nursing Assistants	1,503	1,603	100	7%	\$11.05
First-Line Supervisors of Food Preparation and Serving Workers	1,479	1,646	168	11%	\$12.15
Cooks, Restaurant	1,477	1,676	199	13%	\$10.40
Personal Care Aides	1,443	1,777	334	23%	\$9.69
Maintenance and Repair Workers, General	1,419	1,555	136	10%	\$14.83
Teacher Assistants	1,390	1,466	76	5%	\$8.81
Landscaping and Groundskeeping Workers	1,226	1,313	87	7%	\$8.77
Carpenters	1,168	1,177	9	1%	\$14.50
Maids and Housekeeping Cleaners	1,156	1,181	25	2%	\$8.63
Cooks, Institution and Cafeteria	1,096	1,076	-20	-2%	\$9.00
Automotive Service Technicians and Mechanics	1,030	1,129	99	10%	\$14.50
Licensed Practical and Licensed Vocational Nurses	1,026	1,115	89	9%	\$18.68
First-Line Supervisors of Construction Trades and Extraction Workers	985	1,047	62	6%	\$23.48
Security Guards	969	1,025	56	6%	\$12.24
Hairdressers, Hairstylists, and Cosmetologists	946	998	52	6%	\$11.60
Plumbers, Pipefitters, and Steamfitters	939	1,119	180	19%	\$19.46
Food Preparation Workers	930	1,040	110	12%	\$8.80
Executive Secretaries and Executive Administrative Assistants	907	868	-39	-4%	\$19.35
Receptionists and Information Clerks	852	969	117	14%	\$11.46

<b>Occupation</b>	<b>2017 Jobs</b>	<b>2027 Jobs</b>	<b>Change in Jobs (2017-2027)</b>	<b>% Change</b>	<b>2016 Median Hourly Earnings</b>
Sales Representatives, Services, All Other	749	832	83	11%	\$18.51
Medical Assistants	742	847	105	14%	\$12.63
Computer User Support Specialists	720	757	37	5%	\$19.16
Home Health Aides	708	944	236	33%	\$11.65
Welders, Cutters, Solderers, and Brazers	703	742	38	5%	\$17.83
Medical Secretaries	693	789	96	14%	\$13.43
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	692	774	82	12%	\$8.58
Light Truck or Delivery Services Drivers	659	748	89	14%	\$14.63
Police and Sheriff's Patrol Officers	659	799	140	21%	\$18.84
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	655	778	123	19%	\$22.13
Pharmacy Technicians	647	796	149	23%	\$14.59
Electricians	622	687	65	10%	\$19.28
Preschool Teachers, Except Special Education	592	628	36	6%	\$13.74
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	585	616	30	5%	\$8.73

# Highest Paying Occupations

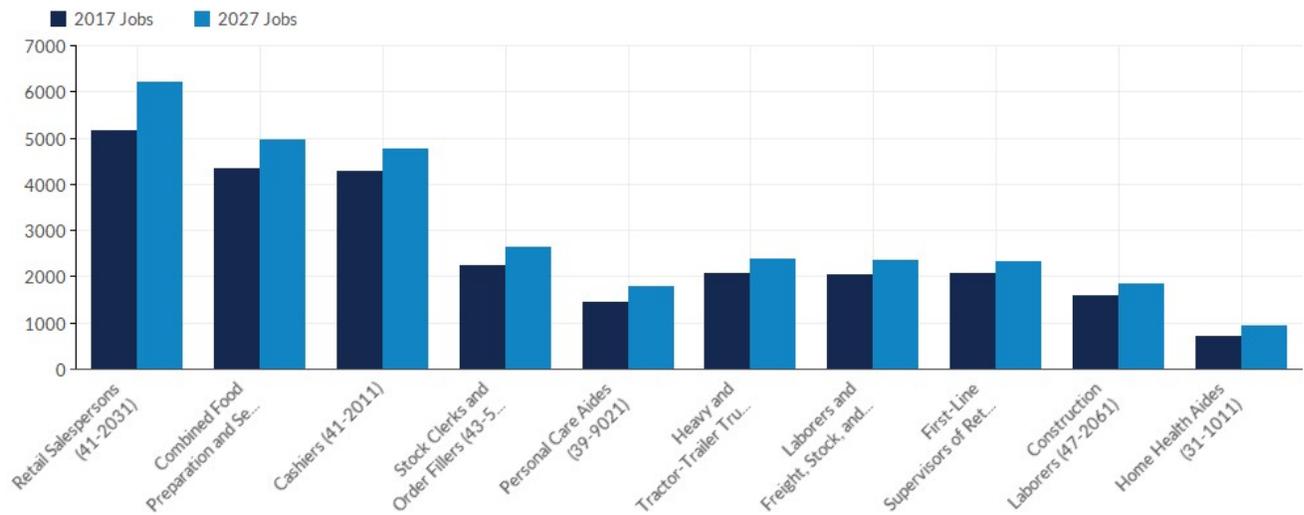


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Transportation Inspectors	34	39	5	15%	\$42.29
Commercial Pilots	21	26	5	24%	\$36.49
Dental Hygienists	254	307	53	21%	\$35.98
Postmasters and Mail Superintendents	19	15	-4	-21%	\$35.93
Radiation Therapists	23	24	1	4%	\$35.91
First-Line Supervisors of Police and Detectives	327	370	43	13%	\$34.68
First-Line Supervisors of Fire Fighting and Prevention Workers	176	203	27	15%	\$33.93
Transportation, Storage, and Distribution Managers	74	88	14	19%	\$33.87
Nuclear Medicine Technologists	20	19	-1	-5%	\$32.41
Power Plant Operators	23	24	1	4%	\$31.88
Diagnostic Medical Sonographers	78	89	11	14%	\$31.05
Industrial Engineering Technicians	57	59	2	4%	\$30.69
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	23	21	-2	-9%	\$30.34
Electrical and Electronics Engineering Technicians	125	133	8	6%	\$30.06
Magnetic Resonance Imaging Technologists	22	23	1	5%	\$29.54
Wellhead Pumpers	61	71	10	16%	\$29.26

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Engineering Technicians, Except Drafters, All Other	45	49	4	9%	\$29.14
First-Line Supervisors of Mechanics, Installers, and Repairers	514	576	62	12%	\$29.01
Petroleum Pump System Operators, Refinery Operators, and Gaugers	148	180	32	22%	\$28.72
Funeral Service Managers	23	26	3	13%	\$27.92
Gas Compressor and Gas Pumping Station Operators	16	18	2	13%	\$27.69
Occupational Therapy Assistants	46	60	14	30%	\$27.58
Gas Plant Operators	52	59	7	13%	\$27.55
Cargo and Freight Agents	22	31	9	41%	\$27.37
Computer Network Support Specialists	147	155	8	5%	\$27.24
First-Line Supervisors of Farming, Fishing, and Forestry Workers	34	35	1	3%	\$27.03
Chemical Plant and System Operators	15	21	6	40%	\$26.83
Rail Car Repairers	13	15	2	15%	\$26.83
Boilermakers	22	25	3	14%	\$26.81
Tool and Die Makers	22	22	0	0%	\$26.80
Locomotive Engineers	27	30	3	11%	\$26.61
Detectives and Criminal Investigators	49	58	9	18%	\$26.46
Life, Physical, and Social Science Technicians, All Other	60	60	0	0%	\$26.16
Electrical and Electronics Repairers, Commercial and Industrial Equipment	67	71	4	6%	\$26.14
Postal Service Mail Carriers	318	278	-40	-13%	\$26.10
Electrical and Electronics Drafters	29	34	5	17%	\$26.08
Physical Therapist Assistants	90	119	29	32%	\$26.05
Telecommunications Line Installers and Repairers	147	151	4	3%	\$25.81
Electrical Power-Line Installers and	88	88	0	0%	\$25.56

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Repairers					
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	194	226	32	16%	\$25.36
Respiratory Therapists	89	98	9	10%	\$25.35
Mechanical Engineering Technicians	54	61	7	13%	\$25.33
Brokerage Clerks	15	20	5	33%	\$25.29
Claims Adjusters, Examiners, and Investigators	49	53	4	8%	\$24.98
Fire Inspectors and Investigators	27	32	5	19%	\$24.78
Sheet Metal Workers	501	550	49	10%	\$24.78
Stationary Engineers and Boiler Operators	24	25	1	4%	\$24.66
Postal Service Mail Sorters, Processors, and Processing Machine Operators	82	71	-11	-13%	\$24.63
Postal Service Clerks	78	66	-12	-15%	\$24.57
Railroad Brake, Signal, and Switch Operators	12	13	1	8%	\$24.40

## Fastest Growing Occupations

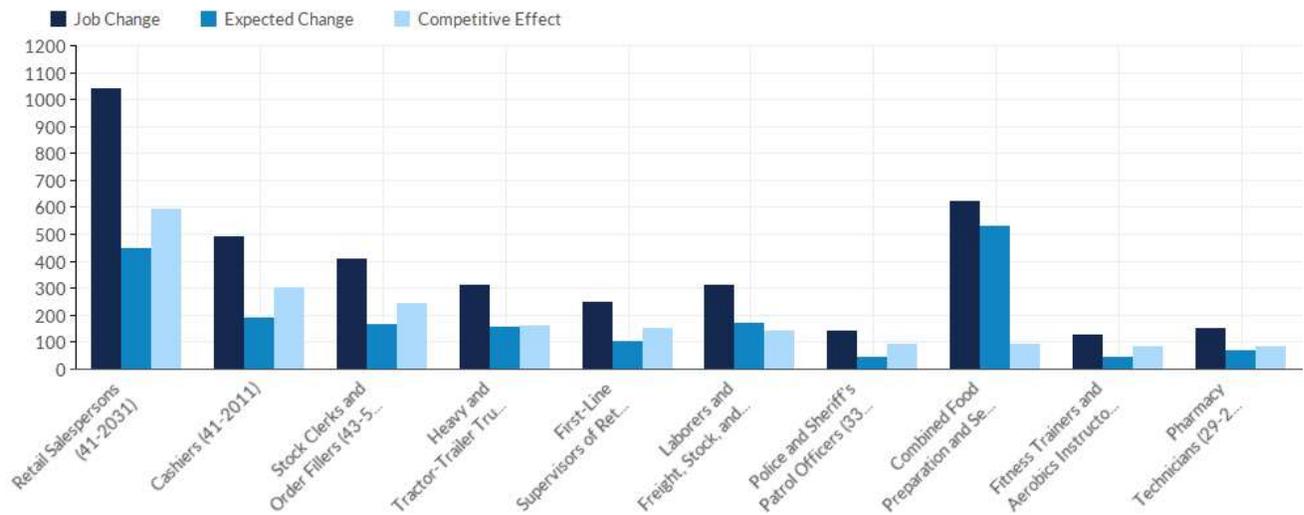


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Stock Clerks and Order Fillers	2,228	2,636	408	18%	\$10.67
Personal Care Aides	1,443	1,777	334	23%	\$9.69
Heavy and Tractor-Trailer Truck Drivers	2,064	2,376	312	15%	\$17.62
Laborers and Freight, Stock, and Material Movers, Hand	2,047	2,358	312	15%	\$13.07
First-Line Supervisors of Retail Sales Workers	2,063	2,312	250	12%	\$14.97
Construction Laborers	1,596	1,833	237	15%	\$13.26
Home Health Aides	708	944	236	33%	\$11.65
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,372	2,597	225	9%	\$10.52
Cooks, Restaurant	1,477	1,676	199	13%	\$10.40
First-Line Supervisors of Office and Administrative Support Workers	1,706	1,897	191	11%	\$22.10
Plumbers, Pipefitters, and	939	1,119	180	19%	\$19.46

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Steamfitters					
First-Line Supervisors of Food Preparation and Serving Workers	1,479	1,646	168	11%	\$12.15
Pharmacy Technicians	647	796	149	23%	\$14.59
Police and Sheriff's Patrol Officers	659	799	140	21%	\$18.84
Office Clerks, General	3,248	3,386	139	4%	\$12.35
Maintenance and Repair Workers, General	1,419	1,555	136	10%	\$14.83
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	2,944	3,073	129	4%	\$14.07
Waiters and Waitresses	2,999	3,127	128	4%	\$8.59
Fitness Trainers and Aerobics Instructors	351	475	125	36%	\$17.30
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	655	778	123	19%	\$22.13
Receptionists and Information Clerks	852	969	117	14%	\$11.46
Food Preparation Workers	930	1,040	110	12%	\$8.80
Industrial Machinery Mechanics	384	490	106	28%	\$22.52
Medical Assistants	742	847	105	14%	\$12.63
Nursing Assistants	1,503	1,603	100	7%	\$11.05
Automotive Service Technicians and Mechanics	1,030	1,129	99	10%	\$14.50
Medical Secretaries	693	789	96	14%	\$13.43
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	445	535	90	20%	\$20.03
Light Truck or Delivery Services Drivers	659	748	89	14%	\$14.63
Licensed Practical and Licensed Vocational Nurses	1,026	1,115	89	9%	\$18.68
Industrial Truck and Tractor Operators	441	529	88	20%	\$15.10

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Landscaping and Groundskeeping Workers	1,226	1,313	87	7%	\$8.77
Emergency Medical Technicians and Paramedics	278	364	86	31%	\$12.50
Cleaners of Vehicles and Equipment	509	594	86	17%	\$11.52
Sales Representatives, Services, All Other	749	832	83	11%	\$18.51
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	692	774	82	12%	\$8.58
Bartenders	566	647	81	14%	\$9.10
Dental Assistants	401	482	81	20%	\$16.52
Operating Engineers and Other Construction Equipment Operators	486	565	78	16%	\$16.90
Teacher Assistants	1,390	1,466	76	5%	\$8.81
Packers and Packagers, Hand	362	435	74	20%	\$9.70
Self-Enrichment Education Teachers	335	407	72	21%	\$16.80
Firefighters	331	402	71	21%	\$22.55
Electricians	622	687	65	10%	\$19.28
Driver/Sales Workers	440	504	64	15%	\$11.11
First-Line Supervisors of Mechanics, Installers, and Repairers	514	576	62	12%	\$29.01
First-Line Supervisors of Construction Trades and Extraction Workers	985	1,047	62	6%	\$23.48

## Most Competitive Occupations

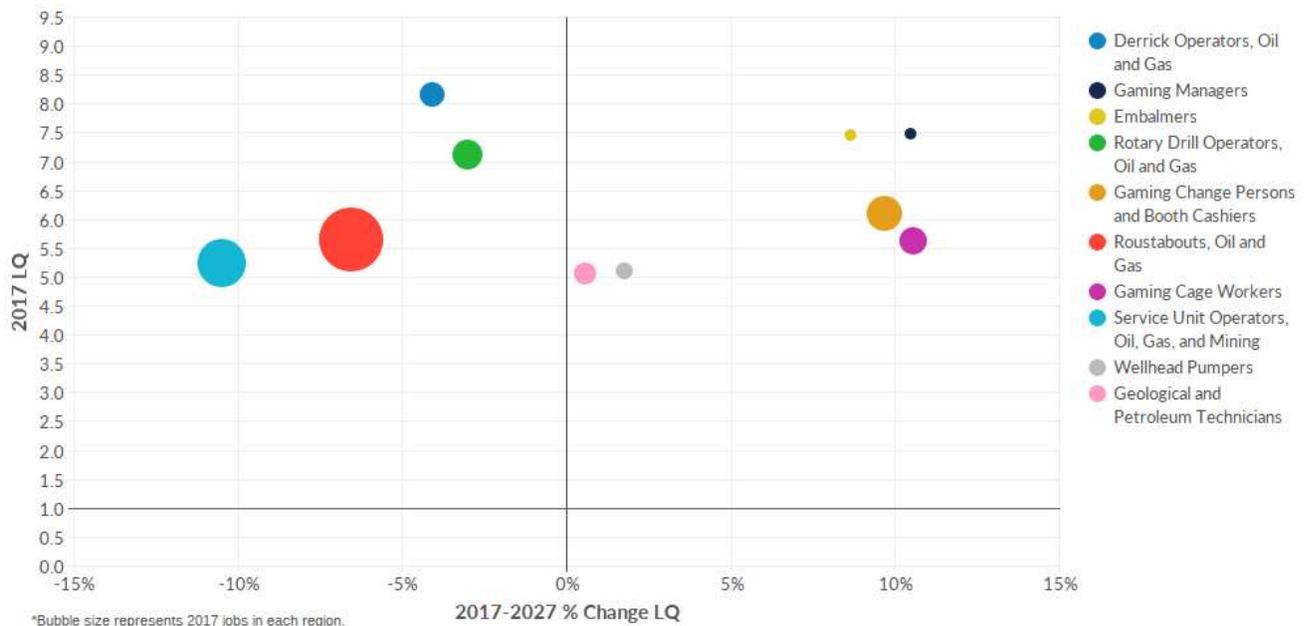


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Retail Salespersons	1,041	15	434	449	592
Cashiers	491	-169	359	190	300
Stock Clerks and Order Fillers	408	-21	187	166	241
Heavy and Tractor-Trailer Truck Drivers	312	-20	174	154	158
First-Line Supervisors of Retail Sales Workers	250	-73	173	100	150
Laborers and Freight, Stock, and Material Movers, Hand	312	-2	172	170	142
Police and Sheriff's Patrol Officers	140	-10	55	45	95
Combined Food Preparation and Serving Workers, Including Fast Food	624	165	365	530	94
Fitness Trainers and Aerobics Instructors	125	12	29	41	83
Pharmacy Technicians	149	12	54	66	82
Plumbers, Pipefitters, and Steamfitters	180	24	79	103	77
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	123	-4	55	51	71
Industrial Truck and Tractor	88	-7	37	30	57

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Operators					
Packers and Packagers, Hand	74	-7	30	23	50
Firefighters	71	-5	28	23	48
Light Truck or Delivery Services Drivers	89	-10	55	45	44
Shipping, Receiving, and Traffic Clerks	56	-26	39	13	43
Construction Laborers	237	62	134	196	41
Industrial Machinery Mechanics	106	35	32	67	39
Automotive Service Technicians and Mechanics	99	-25	87	62	38
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	90	17	37	54	36
Correctional Officers and Jailers	52	-11	27	16	36
Sewing Machine Operators	10	-35	13	-22	32
Social and Human Service Assistants	58	9	17	26	32
Amusement and Recreation Attendants	48	3	14	17	31
Packaging and Filling Machine Operators and Tenders	41	-6	16	10	31
Cleaners of Vehicles and Equipment	86	12	43	55	30
Operating Engineers and Other Construction Equipment Operators	78	7	41	48	30
Parts Salespersons	59	1	29	30	30
Real Estate Sales Agents	20	-56	46	-10	29
Driver/Sales Workers	64	0	37	37	27
Emergency Medical Technicians and Paramedics	86	36	23	59	27
Paralegals and Legal Assistants	46	0	19	19	27
Receptionists and Information Clerks	117	19	72	91	27
Automotive Body and Related Repairers	46	1	19	20	27

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Highway Maintenance Workers	38	-6	18	12	26
Telecommunications Equipment Installers and Repairers, Except Line Installers	28	-10	12	2	26
First-Line Supervisors of Production and Operating Workers	33	-37	44	7	26
First-Line Supervisors of Police and Detectives	44	-9	27	18	25
Petroleum Pump System Operators, Refinery Operators, and Gaugers	31	-5	12	7	24
Bakers	42	2	16	18	24
Food Preparation Workers	110	8	78	86	23
Bus and Truck Mechanics and Diesel Engine Specialists	50	10	18	28	23
Butchers and Meat Cutters	33	-1	12	11	23
Cabinetmakers and Bench Carpenters	25	-4	7	3	22
First-Line Supervisors of Mechanics, Installers, and Repairers	62	-3	43	40	22
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	82	1	58	59	22
Tellers	-2	-72	48	-24	22
Gaming Dealers	34	-1	13	12	22
Construction and Building Inspectors	38	-1	17	16	22

## Highest Occupation Location Quotient



Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Derrick Operators, Oil and Gas	87	96	10%	8.16	7.83	-4%	\$23.01
Gaming Managers	33	39	18%	7.48	8.26	10%	\$22.64
Embalmers	27	28	5%	7.47	8.12	9%	\$20.98
Rotary Drill Operators, Oil and Gas	116	128	10%	7.12	6.90	-3%	\$23.27
Gaming Change Persons and Booth Cashiers	144	161	12%	6.11	6.70	10%	\$9.16
Roustabouts, Oil and Gas	282	295	5%	5.65	5.28	-7%	\$17.70
Gaming Cage Workers	111	136	22%	5.64	6.23	11%	\$10.55
Service Unit Operators, Oil, Gas, and Mining	213	207	-3%	5.25	4.69	-11%	\$19.62

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Wellhead Pumpers	61	71	16%	5.12	5.21	2%	\$29.26
Geological and Petroleum Technicians	76	87	14%	5.07	5.10	1%	\$22.09
Gaming Surveillance Officers and Gaming Investigators	50	54	8%	4.53	4.81	6%	\$12.49
Gas Compressor and Gas Pumping Station Operators	16	18	13%	4.13	4.61	12%	\$27.69
Helpers--Extraction Workers	68	74	9%	3.86	3.67	-5%	\$15.40
Cooks, Fast Food	1,951	1,777	-9%	3.74	3.64	-3%	\$8.46
Manufactured Building and Mobile Home Installers	13	10	-20%	3.74	3.71	-1%	\$15.59
Explosives Workers, Ordnance Handling Experts, and Blasters	24	26	8%	3.72	3.82	3%	\$20.42
Petroleum Pump System Operators, Refinery Operators, and Gaugers	148	180	21%	3.61	4.14	15%	\$28.72
Gaming Supervisors	84	103	23%	3.55	4.16	17%	\$14.49
Entertainment Attendants and Related Workers, All	53	58	9%	3.51	3.30	-6%	\$10.17

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Other							
Sheet Metal Workers	501	550	10%	3.45	3.47	0%	\$24.78
Forest Fire Inspectors and Prevention Specialists	7	8	19%	3.41	3.63	6%	\$18.41
Mechanical Door Repairers	68	72	7%	3.39	3.21	-5%	\$14.12
Pharmacy Aides	121	131	8%	3.26	3.38	4%	\$10.05
First-Line Supervisors of Police and Detectives	327	370	13%	3.26	3.47	7%	\$34.68
Gas Plant Operators	52	59	15%	3.10	3.49	13%	\$27.55
First-Line Supervisors of Fire Fighting and Prevention Workers	176	203	15%	3.09	3.31	7%	\$33.93
Metal-Refining Furnace Operators and Tenders	47	45	-5%	2.76	2.63	-5%	\$17.85
Motion Picture Projectionists	14	12	-17%	2.73	2.53	-7%	\$11.13
Veterinary Assistants and Laboratory Animal Caretakers	244	273	12%	2.72	2.71	0%	\$10.14
New Accounts Clerks	111	108	-2%	2.72	2.77	2%	\$14.13
Helpers--Electricians	202	216	7%	2.68	2.47	-8%	\$13.74
Funeral	92	107	16%	2.63	2.99	14%	\$9.49

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Attendants							
Pump Operators, Except Wellhead Pumpers	33	36	8%	2.55	2.54	-1%	\$21.14
Cooks, Institution and Cafeteria	1,096	1,076	-2%	2.53	2.27	-10%	\$9.00
Helpers--Roofers	26	29	13%	2.52	2.52	0%	\$13.46
Funeral Service Managers	23	26	15%	2.46	2.66	8%	\$27.92
Respiratory Therapy Technicians	26	22	-16%	2.42	2.18	-10%	\$21.20
Animal Control Workers	31	36	17%	2.40	2.59	8%	\$15.36
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	274	241	-12%	2.34	1.99	-15%	\$15.28
Extraction Workers, All Other	10	11	12%	2.32	2.28	-2%	\$19.64
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	129	155	20%	2.28	2.42	6%	\$13.58
Photographic Process Workers and Processing Machine Operators	59	50	-15%	2.27	2.36	4%	\$13.00
Fire	27	32	16%	2.26	2.42	7%	\$24.78

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Inspectors and Investigators							
Gaming and Sports Book Writers and Runners	28	30	6%	2.26	2.25	0%	\$8.84
Ushers, Lobby Attendants, and Ticket Takers	281	301	7%	2.22	2.16	-3%	\$9.60
Pile-Driver Operators	8	9	12%	2.20	2.19	0%	\$19.67
Community Health Workers	126	146	16%	2.18	2.19	0%	\$18.74
Meter Readers, Utilities	72	60	-17%	2.18	2.01	-8%	\$13.18
Gaming Service Workers, All Other	27	32	17%	2.09	2.26	8%	\$10.63
Coil Winders, Tapers, and Finishers	29	27	-8%	2.04	1.88	-8%	\$13.33

# 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: Oklahoma Employment Security Commission