

Region Info

Region: Tulsa MSA

MSA Areas: Tulsa, OK (46140)

Selected Occupations

Occupation	Education Level
Management occupations (SOC 11-0000)	N/A
Business and financial operations occupations (SOC 13-0000)	N/A
Computer and mathematical science occupations (SOC 15-0000)	N/A
Architecture and engineering occupations (SOC 17-0000)	N/A
Life, physical, and social science occupations (SOC 19-0000)	N/A
Community and social services occupations (SOC 21-0000)	N/A
Legal occupations (SOC 23-0000)	N/A
Education, training, and library occupations (SOC 25-0000)	N/A
Arts, design, entertainment, sports, and media occupations (SOC 27-0000)	N/A
Healthcare practitioners and technical occupations (SOC 29-0000)	N/A
Healthcare support occupations (SOC 31-0000)	N/A
Protective service occupations (SOC 33-0000)	N/A
Food preparation and serving related occupations (SOC 35-0000)	N/A
Building and grounds cleaning and maintenance occupations (SOC 37-0000)	N/A
Personal care and service occupations (SOC 39-0000)	N/A
Sales and related occupations (SOC 41-0000)	N/A
Office and administrative support occupations (SOC 43-0000)	N/A
Farming, fishing, and forestry occupations (SOC 45-0000)	N/A
Construction and extraction occupations (SOC 47-0000)	N/A
Installation, maintenance, and repair occupations (SOC 49-0000)	N/A
Production occupations (SOC 51-0000)	N/A
Transportation and material moving occupations (SOC 53-0000)	N/A
Military Occupations (SOC 55-0000)	N/A

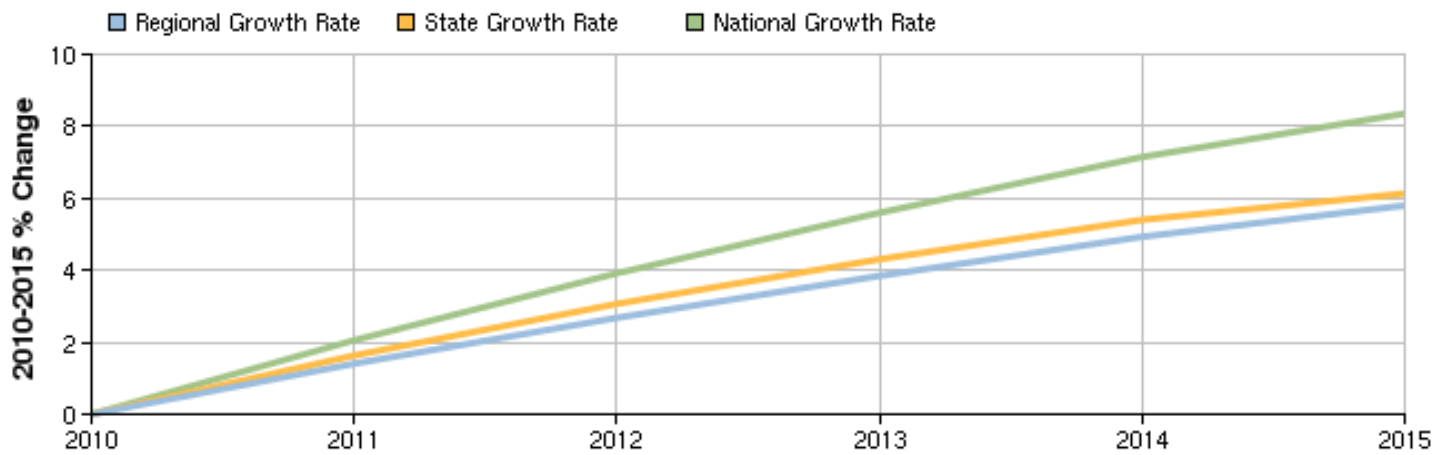
Executive Summary

Basic Information	
2010 Occupational Jobs	547,286
2015 Occupational Jobs	579,027
Total Change	31,741
Total % Change	5.80%
Openings	98,148
Median Hourly Earnings	\$16.42

Economic Indicators	
2010 Location Quotient	1.00
2015 Location Quotient	1.00
Shift Share: Regional Competitiveness Effect	-12,757
Shift Share: Occupational Mix Effect	-1,216
Shift Share: National Effect	45,713

Source: EMSI Complete Employment - 3rd Quarter 2010

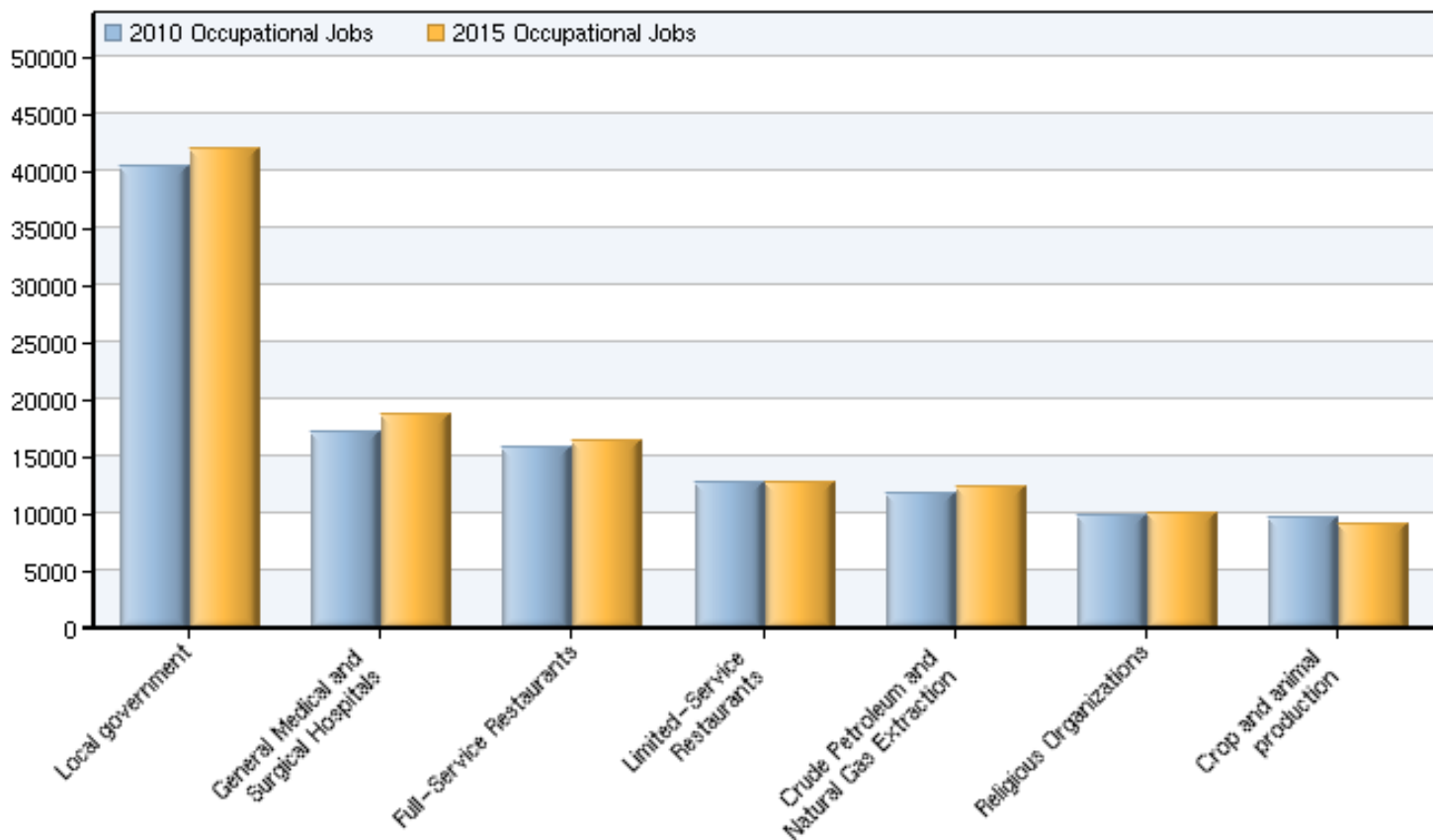
Occupational Change Summary



Region	2010 Jobs	2015 Jobs	Change	% Change	Openings	Median Hourly Earnings
Regional Total	547,286	579,027	31,741	6%	98,148	\$16.42
State Total	2,099,451	2,228,214	128,763	6%	385,515	\$15.14
National Total	172,073,593	186,446,413	14,372,820	8%	35,343,421	\$17.96

Source: EMSI Complete Employment - 3rd Quarter 2010

Top Industries for Selected Occupations

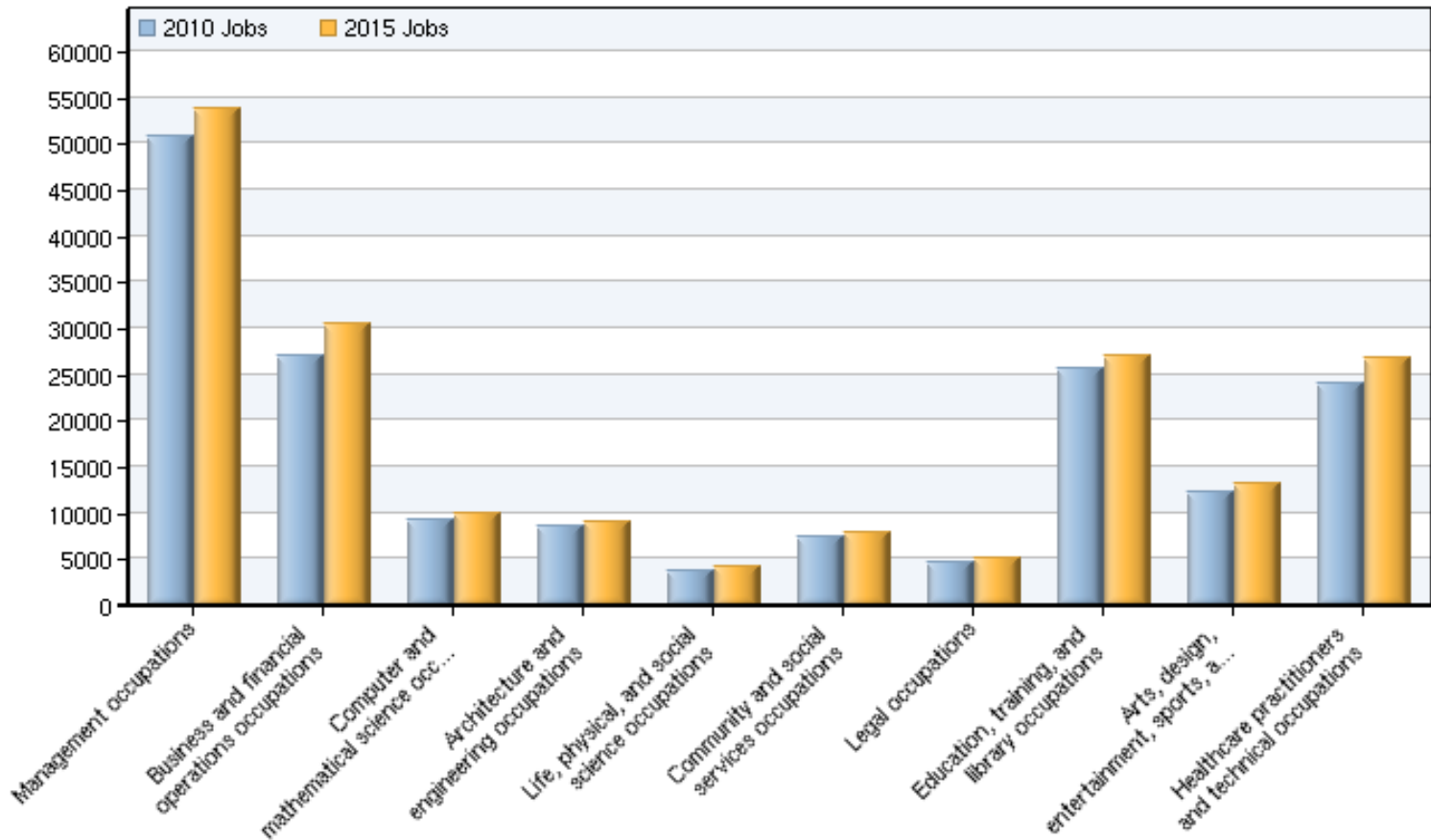


NAICS Code	Name	2010 Jobs	2015 Jobs	Change	% Change
930000	Local government	40,377	41,910	1,533	4%
622110	General Medical and Surgical Hospitals	17,207	18,603	1,396	8%
722110	Full-Service Restaurants	15,709	16,261	552	4%
722211	Limited-Service Restaurants	12,644	12,611	-33	0%

211111	Crude Petroleum and Natural Gas Extraction	11,776	12,398	622	5%
813110	Religious Organizations	9,799	9,989	190	2%
11A000	Crop and animal production	9,705	9,122	-583	-6%

Source: EMSI Complete Employment - 3rd Quarter 2010

Occupational Breakdown

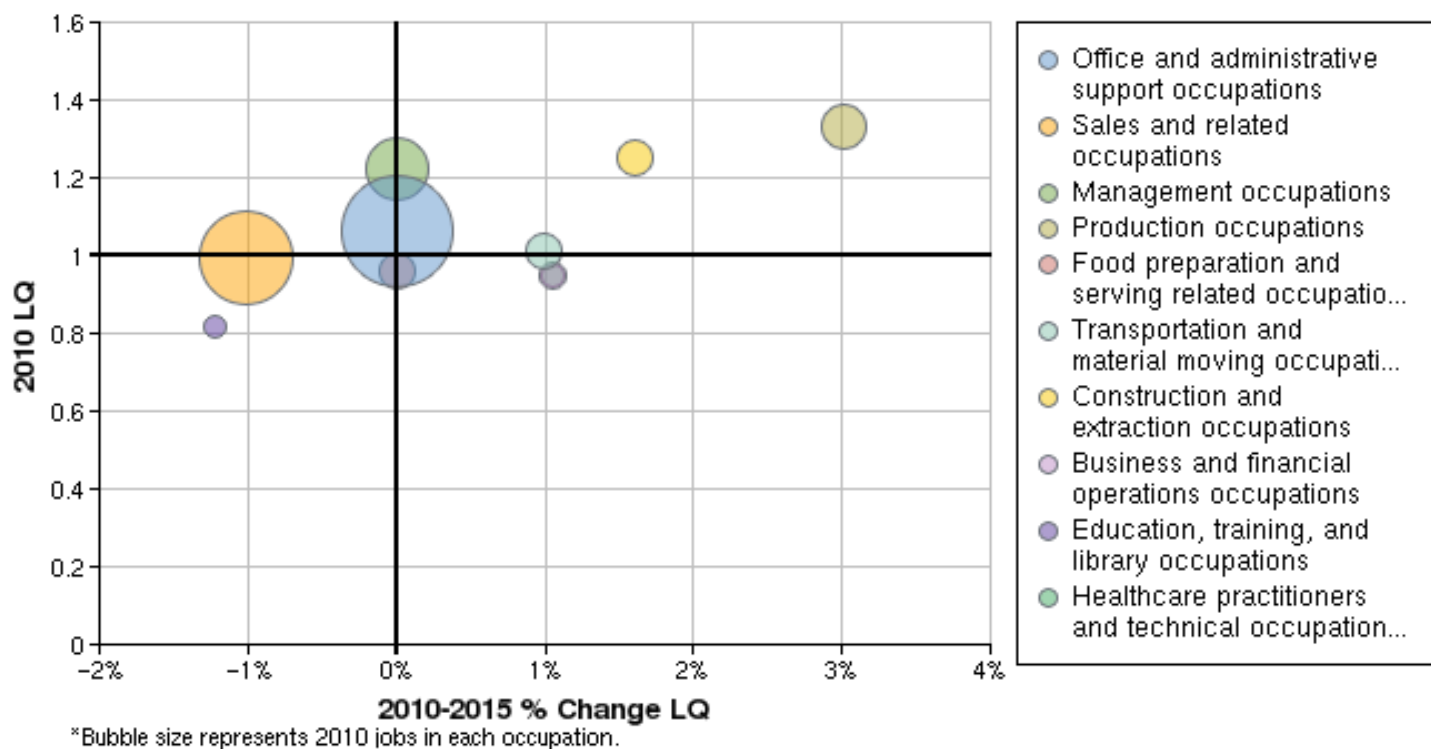


SOC Code	Description	2010 Jobs	2015 Jobs	Openings	Median Hourly Earnings
11-0000	Management occupations	50,844	53,735	8,874	\$23.88
13-0000	Business and financial operations occupations	26,980	30,406	6,054	\$20.88
15-0000	Computer and mathematical science occupations	9,185	9,844	1,567	\$25.64
17-0000	Architecture and engineering occupations	8,576	9,081	1,466	\$30.43
19-0000	Life, physical, and social science occupations	3,679	4,059	950	\$25.38
21-0000	Community and social services occupations	7,318	7,842	1,308	\$12.97
23-0000	Legal occupations	4,601	5,027	811	\$27.59
25-0000	Education, training, and library occupations	25,623	27,024	4,209	\$20.51
27-0000	Arts, design, entertainment, sports, and media occupations	12,221	13,134	2,445	\$12.01
29-0000	Healthcare practitioners and technical occupations	24,085	26,817	5,287	\$27.37
31-0000	Healthcare support occupations	14,143	15,992	2,666	\$11.28
33-0000	Protective service occupations	9,255	10,147	2,186	\$13.56
35-0000	Food preparation and serving related occupations	34,823	35,966	7,431	\$8.75
37-0000	Building and grounds cleaning and maintenance occupations	17,982	19,067	2,715	\$8.85
39-0000	Personal care and service occupations	14,542	15,208	2,853	\$10.90
41-0000	Sales and related occupations	70,390	74,613	14,128	\$13.10
43-0000	Office and administrative support occupations	81,485	85,053	12,848	\$13.30
45-0000	Farming, fishing, and forestry occupations	1,283	1,301	241	\$9.64
47-0000	Construction and extraction occupations	32,065	35,683	6,540	\$17.73
49-0000	Installation, maintenance, and repair occupations	22,452	23,039	3,251	\$18.28

51-0000	Production occupations	39,391	38,845	4,837	\$15.16
53-0000	Transportation and material moving occupations	32,171	33,062	5,005	\$16.34
55-0000	Military Occupations	4,190	4,082	476	\$9.14
Total		547,286	579,027	98,148	\$16.42

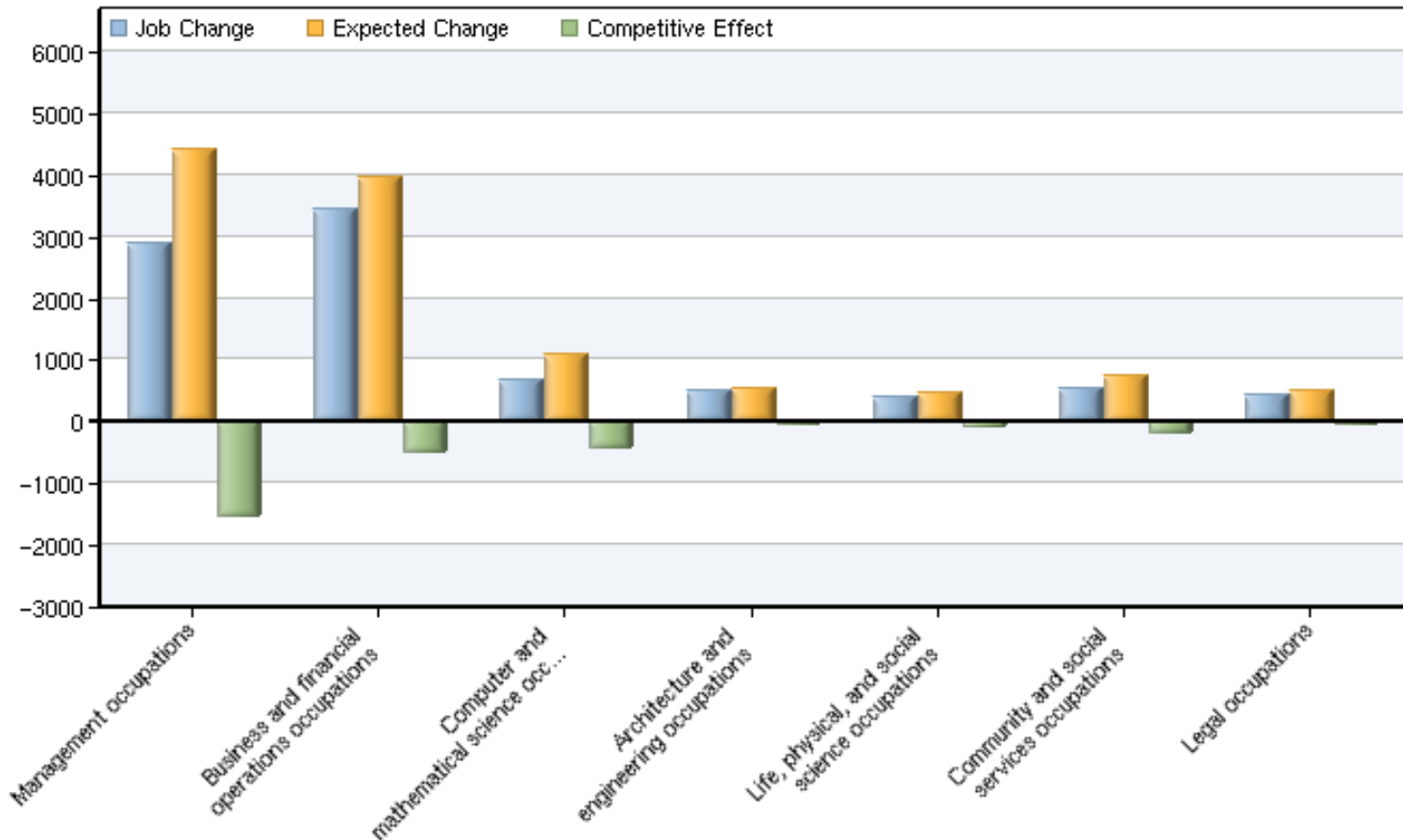
Source: EMSI Complete Employment - 3rd Quarter 2010

Location Quotient Breakdown



SOC Code	Description	2010 Jobs	2010 LQ	2015 LQ
43-0000	Office and administrative support occupations	81,485	1.07	1.07
41-0000	Sales and related occupations	70,390	0.99	0.98
11-0000	Management occupations	50,844	1.22	1.22
51-0000	Production occupations	39,391	1.33	1.37
35-0000	Food preparation and serving related occupations	34,823	0.96	0.96
53-0000	Transportation and material moving occupations	32,171	1.01	1.02
47-0000	Construction and extraction occupations	32,065	1.25	1.27
13-0000	Business and financial operations occupations	26,980	0.95	0.96
25-0000	Education, training, and library occupations	25,623	0.82	0.81
29-0000	Healthcare practitioners and technical occupations	24,085	0.95	0.96
49-0000	Installation, maintenance, and repair occupations	22,452	1.20	1.19
37-0000	Building and grounds cleaning and maintenance occupations	17,982	0.80	0.79
39-0000	Personal care and service occupations	14,542	0.72	0.69
31-0000	Healthcare support occupations	14,143	1.03	1.03
27-0000	Arts, design, entertainment, sports, and media occupations	12,221	0.78	0.78
33-0000	Protective service occupations	9,255	0.90	0.93
15-0000	Computer and mathematical science occupations	9,185	0.77	0.76
17-0000	Architecture and engineering occupations	8,576	1.04	1.06
21-0000	Community and social services occupations	7,318	0.89	0.89
23-0000	Legal occupations	4,601	1.02	1.03
55-0000	Military Occupations	4,190	0.62	0.63
19-0000	Life, physical, and social science occupations	3,679	0.65	0.65
45-0000	Farming, fishing, and forestry occupations	1,283	0.36	0.37
Total		547,286	1.00	1.00

Shift Share Breakdown



SOC Code	Description	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
11-0000	Management occupations	2,891	174	4,247	4,421	-1,531
13-0000	Business and financial operations occupations	3,426	1,697	2,254	3,951	-525
15-0000	Computer and mathematical science occupations	659	332	767	1,099	-441
17-0000	Architecture and engineering occupations	505	-168	716	548	-44
19-0000	Life, physical, and social science occupations	380	158	307	465	-86
21-0000	Community and social services occupations	524	118	611	729	-206
23-0000	Legal occupations	426	98	384	482	-56
25-0000	Education, training, and library occupations	1,401	125	2,140	2,265	-865
27-0000	Arts, design, entertainment, sports, and media occupations	913	354	1,021	1,375	-461
29-0000	Healthcare practitioners and technical occupations	2,732	898	2,012	2,910	-177
31-0000	Healthcare support occupations	1,849	1,086	1,181	2,267	-420
33-0000	Protective service occupations	892	-41	773	732	159
35-0000	Food preparation and serving related occupations	1,143	-751	2,909	2,158	-1,014
37-0000	Building and grounds cleaning and maintenance occupations	1,085	362	1,502	1,864	-779
39-0000	Personal care and service occupations	666	507	1,215	1,722	-1,056
41-0000	Sales and related occupations	4,223	972	5,879	6,851	-2,629
43-0000	Office and administrative support occupations	3,568	-1,873	6,806	4,933	-1,366
45-0000	Farming, fishing, and forestry occupations	18	-97	107	10	8
47-0000	Construction and extraction occupations	3,618	1,193	2,678	3,871	-254
49-0000	Installation, maintenance, and repair occupations	587	-576	1,875	1,299	-712
51-0000	Production occupations	-546	-4,126	3,290	-836	290
53-0000	Transportation and material moving occupations	891	-1,202	2,687	1,485	-594
55-0000	Military Occupations	-108	-458	350	-108	0
	Total	31,743	-1,216	45,713	44,497	-12,757

Source: EMSI Complete Employment - 3rd Quarter 2010

Data Sources and Calculations

Industry Data

In order to capture a complete picture of industry employment, EMSI basically combines covered employment data from Quarterly Census of Employment and Wages (QCEW) produced by the Department of Labor with total employment data in Regional Economic Information System (REIS) published by the Bureau of Economic Analysis (BEA), augmented with County Business Patterns (CBP) and Nonemployer Statistics (NES) published by the U.S. Census Bureau. Projections are based on the latest available EMSI industry data, 15-year past local trends in each industry, growth rates in statewide and (where available) sub-state area industry projections published by individual state agencies, and (in part) growth rates in national projections from the Bureau of Labor Statistics.

Occupation Data

Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

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: Oklahoma Employment Security Commission.