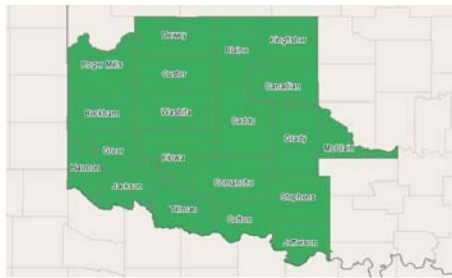# SOIC
Economic Impact Report

Southwestern Oklahoma State University

Center for Economic and Business Development

Suggest Industries Report

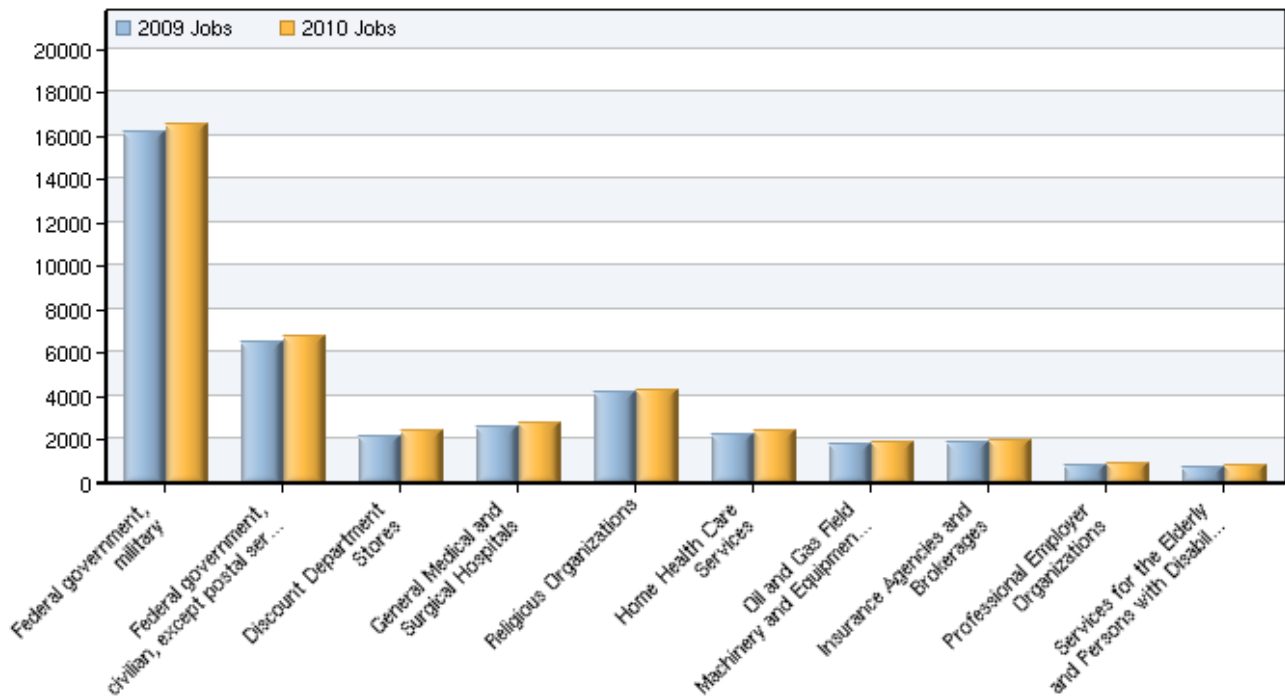## Region Info

Region: SOIC

County Areas: Beckham, Oklahoma (40009), Blaine, Oklahoma (40011), Caddo, Oklahoma (40015), Canadian, Oklahoma (40017), Comanche, Oklahoma (40031), Cotton, Oklahoma (40033), Custer, Oklahoma (40039), Dewey, Oklahoma (40043), Grady, Oklahoma (40051), Greer, Oklahoma (40055), Harmon, Oklahoma (40057), Jackson, Oklahoma (40065), Jefferson, Oklahoma (40067), Kingfisher, Oklahoma (40073), Kiowa, Oklahoma (40075), McClain, Oklahoma (40087), Roger Mills, Oklahoma (40129), Stephens, Oklahoma (40137), Tillman, Oklahoma (40141), Washita, Oklahoma (40149)

Best Industries To Meet Regional Requirements

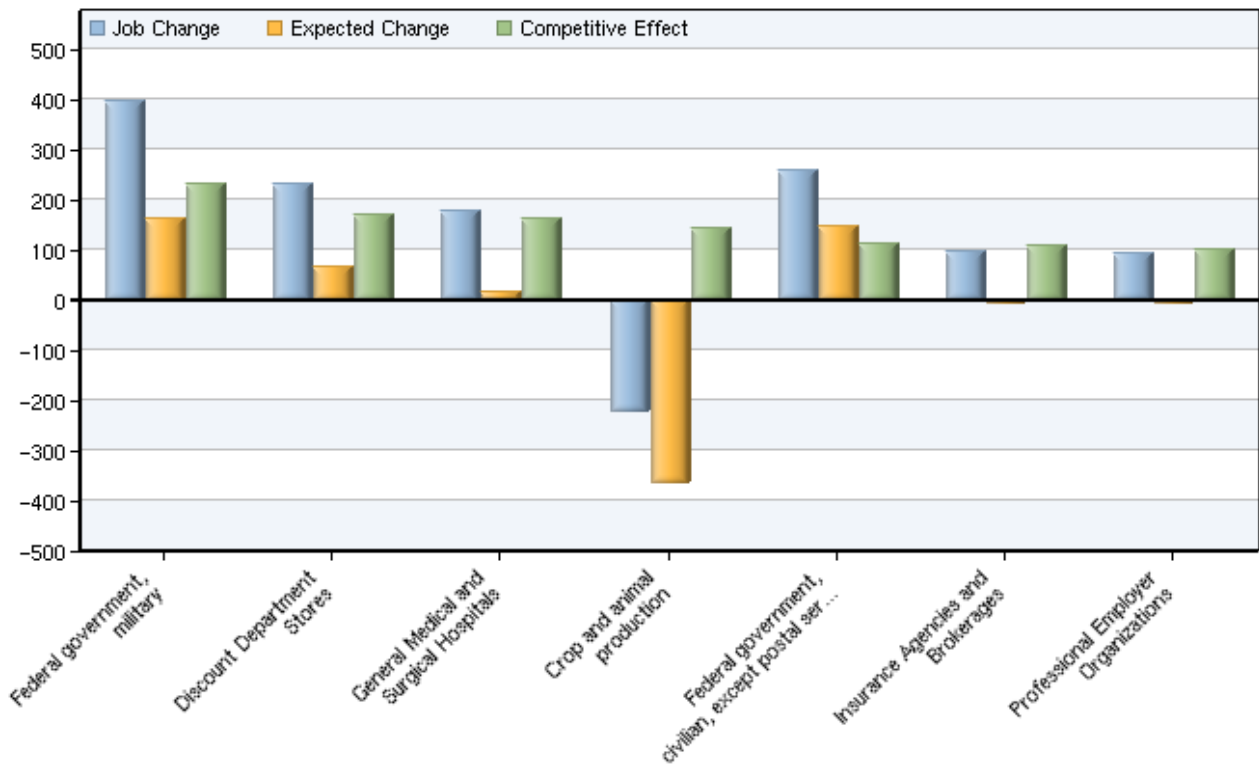| NAICS Code	Description	$ Required(K)	$ Satisfied in Region(K)	Difference(K)	In Region
622110	General Medical and Surgical Hospitals	$785,570	$237,797	$547,772	yes
324110	Petroleum Refineries	$674,174	$162,877	$511,297	yes
551114	Corporate, Subsidiary, and Regional Managing Offices	$531,557	$33,833	$497,723	yes
621111	Offices of Physicians (except Mental Health Specialists)	$558,946	$172,714	$386,231	yes
541330	Engineering Services	$322,897	$1,694	$321,203	yes
541712	Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)	$248,936	$103	$248,834	yes
325412	Pharmaceutical Preparation Manufacturing	$224,890	$0	$224,890	no
541512	Computer Systems Design Services	$231,517	$10,801	$220,716	yes
611310	Colleges, Universities, and Professional Schools	$215,184	$0	$215,184	yes
524126	Direct Property and Casualty Insurance Carriers	$241,130	$27,189	$213,941	yes

Source: EMSI Complete Employment - 2nd Quarter 2010

Fastest Growing Industries

NAICS Code	Description	2009 Jobs	2010 Jobs	Growth	Growth %
912000	Federal government, military	16,151	16,547	396	2%
911000	Federal government, civilian, except postal service	6,506	6,764	258	4%
452112	Discount Department Stores	2,156	2,388	232	11%
622110	General Medical and Surgical Hospitals	2,568	2,745	177	7%
813110	Religious Organizations	4,135	4,267	132	3%
621610	Home Health Care Services	2,263	2,388	125	6%
333132	Oil and Gas Field Machinery and Equipment Manufacturing	1,798	1,910	112	6%
524210	Insurance Agencies and Brokerages	1,882	1,979	97	5%
561330	Professional Employer Organizations	827	919	92	11%
624120	Services for the Elderly and Persons with Disabilities	728	800	72	10%

Source: EMSI Complete Employment - 2nd Quarter 2010

Industries With Top Regional Competitiveness

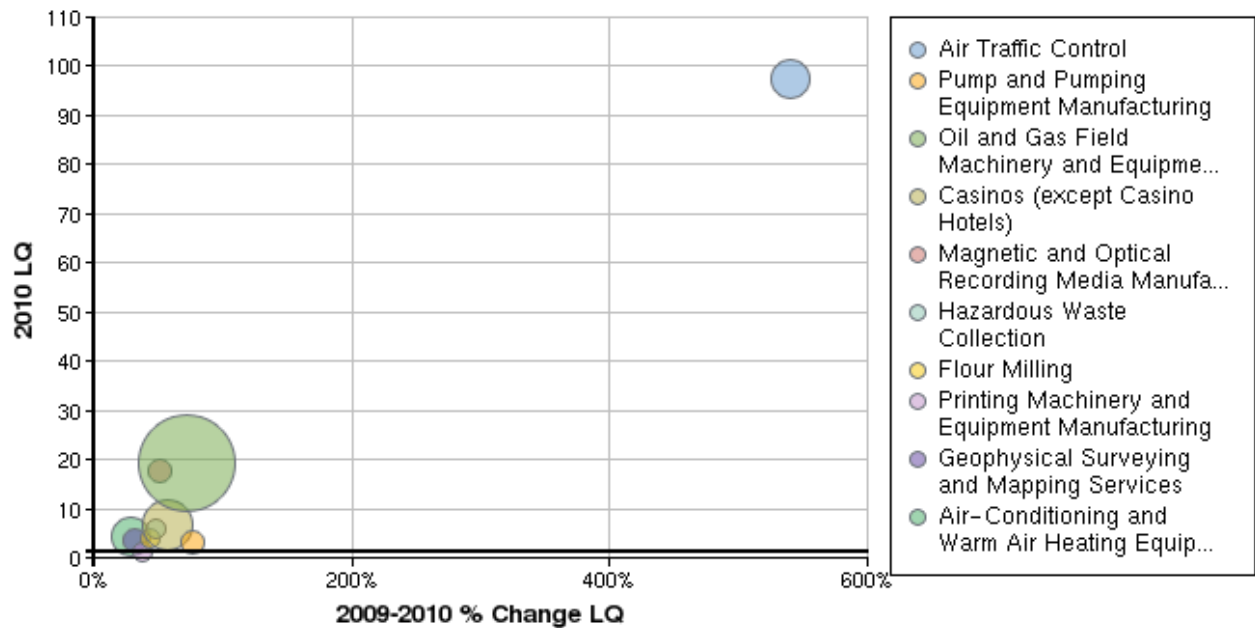| NAICS Code	Description	Job Change	Ind Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
912000	Federal government, military	396	307	-144	163	233
452112	Discount Department Stores	232	83	-19	64	168
622110	General Medical and Surgical Hospitals	177	37	-23	14	163
11A000	Crop and animal production	-224	-187	-178	-365	141
911000	Federal government, civilian, except postal service	258	203	-58	145	113
524210	Insurance Agencies and Brokerages	97	8	-17	-9	106
561330	Professional Employer Organizations	92	-2	-7	-9	102

Source: EMSI Complete Employment - 2nd Quarter 2010

Top Multiplier Effects

NAICS Code	Description	Sales Multiplier	In Region
311222	Soybean Processing	2.07	no
311223	Other Oilseed Processing	2.06	no
311611	Animal (except Poultry) Slaughtering	2.03	yes
311612	Meat Processed from Carcasses	2.03	yes
311613	Rendering and Meat Byproduct Processing	2.02	yes
311313	Beet Sugar Manufacturing	1.90	no
311221	Wet Corn Milling	1.89	no
113110	Timber Tract Operations	1.87	yes
113210	Forest Nurseries and Gathering of Forest Products	1.87	yes
311211	Flour Milling	1.86	yes

Source: EMSI Complete Employment - 2nd Quarter 2010

Fastest Growing Location Quotients

NAICS Code	Description	Size (Jobs)	1 Yr % Change LQ	Current LQ
488111	Air Traffic Control	480	541%	97.60
333911	Pump and Pumping Equipment Manufacturing	141	76%	3.28
333132	Oil and Gas Field Machinery and Equipment Manufacturing	1,910	72%	19.10
713210	Casinos (except Casino Hotels)	826	57%	6.51
334613	Magnetic and Optical Recording Media Manufacturing	125	52%	17.84
562112	Hazardous Waste Collection	83	47%	5.93
311211	Flour Milling	81	44%	4.07
333293	Printing Machinery and Equipment Manufacturing	17	38%	1.03
541360	Geophysical Surveying and Mapping Services	116	32%	3.43
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	560	28%	4.26

Source: EMSI Complete Employment - 2nd Quarter 2010

Data Sources and Calculations

Input-Output Data

The input-output model in this report is created using the national Input-Output matrix provided by the federal Bureau of Economic Analysis.   This is combined with the national Total Gross Output, the regional Total Gross Output, the land area of the subject region, regional DIRT data and regional in/out commuter patterns in order to calculate regional requirements, imports and exports.   After using matrix algebra to calculate the regional multiplier, the resulting matrix is multiplied by the sales vector and converted back to jobs or earnings. Specifically, this data comes from the U.S. Department of Commerce, Bureau of Economic Analysis, Industry Economic Accounts: Benchmark & Annual Input-Output (I-O) Accounts.

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.

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.

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.

State Data Sources

This report uses state data from the following agencies: Oklahoma Employment Security Commission.