

September 2017

Eastern Oklahoma County Technology Center
Economy Overview



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40109	Oklahoma County, OK

Timeframe

2001 - 2016

Datarun

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

Economy Overview



Population (2016)	783.0K
Jobs (2016)	494.9K
Average Earnings (2016)	\$58.6K
Unemployed (1/2017)	15.6K
Completions (2016)	14.2K
GRP (2016)	\$58.7B
Exports (2016)	\$101.3B
Imports (2016)	\$56.4B

Population

783.0K 2016 Population 20.0% of State	7.3% Population Growth for the Last 5 Years State Growth 3.6%
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Age Group	2016 Population	% of Population	
Under 5 years	60,791	7.8%	
5 to 9 years	57,506	7.3%	
10 to 14 years	53,453	6.8%	
15 to 19 years	48,616	6.2%	
20 to 24 years	52,788	6.7%	
25 to 29 years	64,040	8.2%	
30 to 34 years	60,637	7.7%	
35 to 39 years	53,009	6.8%	
40 to 44 years	46,241	5.9%	
45 to 49 years	44,747	5.7%	
50 to 54 years	46,916	6.0%	
55 to 59 years	49,406	6.3%	
60 to 64 years	43,716	5.6%	
65 to 69 years	35,587	4.5%	
70 to 74 years	23,378	3.0%	
75 to 79 years	16,912	2.2%	
80 to 84 years	12,264	1.6%	
85 years and over	12,971	1.7%	

Jobs by Industry

494,891 Total Jobs (2016)		52.0% Male (National: 51.4%)		48.0% Female (National: 48.6%)	
NAICS	Industry	2016 Jobs			
11	Crop and Animal Production	435			
21	Mining, Quarrying, and Oil and Gas Extraction	12,758			
22	Utilities	2,292			
23	Construction	25,028			
31	Manufacturing	24,788			
42	Wholesale Trade	20,793			
44	Retail Trade	48,325			
48	Transportation and Warehousing	15,570			
51	Information	6,853			
52	Finance and Insurance	20,173			
53	Real Estate and Rental and Leasing	8,006			
54	Professional, Scientific, and Technical Services	29,598			
55	Management of Companies and Enterprises	8,818			
56	Administrative and Support and Waste Management and Remediation Services	34,761			
61	Educational Services	9,162			
62	Health Care and Social Assistance	60,912			
71	Arts, Entertainment, and Recreation	7,649			
72	Accommodation and Food Services	43,708			
81	Other Services (except Public Administration)	23,464			
90	Government	91,798			
99	Unclassified Industry	<10			

Average Earnings by Industry

\$58.6K

Avg. Earnings (2016)

94% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	\$31,087	
21	Mining, Quarrying, and Oil and Gas Extraction	\$152,482	
22	Utilities	\$130,864	
23	Construction	\$53,825	
31	Manufacturing	\$69,297	
42	Wholesale Trade	\$65,762	
44	Retail Trade	\$35,137	
48	Transportation and Warehousing	\$56,205	
51	Information	\$73,732	
52	Finance and Insurance	\$77,335	
53	Real Estate and Rental and Leasing	\$48,911	
54	Professional, Scientific, and Technical Services	\$73,115	
55	Management of Companies and Enterprises	\$101,090	
56	Administrative and Support and Waste Management and Remediation Services	\$39,546	
61	Educational Services	\$37,894	
62	Health Care and Social Assistance	\$62,991	
71	Arts, Entertainment, and Recreation	\$47,414	
72	Accommodation and Food Services	\$20,163	
81	Other Services (except Public Administration)	\$29,986	
90	Government	\$73,140	
99	Unclassified Industry	\$47,355	

Unemployment by Industry

15,601

Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	2	0%	
21	Mining, Quarrying, and Oil and Gas Extraction	387	2%	■
22	Utilities	62	0%	
23	Construction	1,010	6%	■
31	Manufacturing	775	5%	■
42	Wholesale Trade	482	3%	■
44	Retail Trade	1,719	11%	■
48	Transportation and Warehousing	354	2%	■
51	Information	199	1%	■
52	Finance and Insurance	360	2%	■
53	Real Estate and Rental and Leasing	267	2%	■
54	Professional, Scientific, and Technical Services	805	5%	■
55	Management of Companies and Enterprises	108	1%	■
56	Administrative and Support and Waste Management and Remediation Services	1,420	9%	■
61	Educational Services	665	4%	■
62	Health Care and Social Assistance	1,304	8%	■
71	Arts, Entertainment, and Recreation	314	2%	■
72	Accommodation and Food Services	1,232	8%	■
81	Other Services (except Public Administration)	639	4%	■
90	Government	1,433	9%	■
99	No Previous Work Experience/Unspecified	2,064	13%	■

Top Program Completions

CIP	Program	Completions (2016)	
51	Health professions and related programs	3,874	
52	Business, management, marketing, and related support services	2,017	
24	Liberal arts and sciences, general studies and humanities	1,465	
13	Education	699	
30	Multi/interdisciplinary studies	602	
12	Personal and culinary services	503	
43	Homeland security, law enforcement, firefighting and related protective services	439	
50	Visual and performing arts	422	
15	Engineering technologies and engineering-related fields	400	
11	Computer and information sciences and support services	388	

Gross Regional Product (GRP)

\$33.9B	\$21.1B	\$3.6B	\$58.7B
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

NAICS	Industry	GRP (2016)	% of Total
11	Crop and Animal Production	\$53,813,577.7 1	0% 
21	Mining, Quarrying, and Oil and Gas Extraction	\$8,391,514,70 5.24	14% 
22	Utilities	\$1,184,023,56 2.65	2% 
23	Construction	\$2,183,283,77 9.02	4% 
31	Manufacturing	\$3,368,801,25 8.94	6% 
42	Wholesale Trade	\$3,231,450,52 1.12	6% 
44	Retail Trade	\$2,645,716,11 3.92	5% 
48	Transportation and Warehousing	\$1,247,641,40 5.36	2% 
51	Information	\$1,434,794,09 2.29	2% 
52	Finance and Insurance	\$3,805,450,28 1.00	6% 
53	Real Estate and Rental and Leasing	\$2,953,581,56 0.84	5% 
54	Professional, Scientific, and Technical Services	\$2,985,039,09 4.96	5% 
55	Management of Companies and Enterprises	\$1,308,228,90 1.49	2% 
56	Administrative and Support and Waste Management and Remediation Services	\$1,985,044,23 1.05	3% 

NAICS	Industry	GRP (2016)	% of Total
61	Educational Services	\$398,242,968.13	1% 
62	Health Care and Social Assistance	\$4,381,094,817.44	7% 
71	Arts, Entertainment, and Recreation	\$548,689,741.61	1% 
72	Accommodation and Food Services	\$1,367,947,445.43	2% 
81	Other Services (except Public Administration)	\$978,278,897.40	2% 
90	Government	\$9,244,741,935.96	16% 
	Other Non-Industries	\$4,995,155,399.58	9% 

Region Exports

\$101.3B

Exports (2016)

74% of Supply

NAICS	Industry	Exports (2016)
11	Crop and Animal Production	\$69,375,166
21	Mining, Quarrying, and Oil and Gas Extraction	\$10,102,636,174 
22	Utilities	\$991,439,696
23	Construction	\$683,455,497
31	Manufacturing	\$6,393,574,442 
42	Wholesale Trade	\$2,463,287,283 
44	Retail Trade	\$2,544,200,762 
48	Transportation and Warehousing	\$1,265,833,312
51	Information	\$1,443,273,785 
52	Finance and Insurance	\$3,652,577,857 
53	Real Estate and Rental and Leasing	\$4,356,493,635 
54	Professional, Scientific, and Technical Services	\$1,675,315,189 
55	Management of Companies and Enterprises	\$1,503,294,017 
56	Administrative and Support and Waste Management and Remediation Services	\$1,518,995,190 
61	Educational Services	\$183,735,597
62	Health Care and Social Assistance	\$4,226,045,341 
71	Arts, Entertainment, and Recreation	\$399,900,935
72	Accommodation and Food Services	\$1,982,174,265 

NAICS	Industry	Exports (2016)
81	Other Services (except Public Administration)	\$669,017,587
90	Government	\$55,202,010,287 

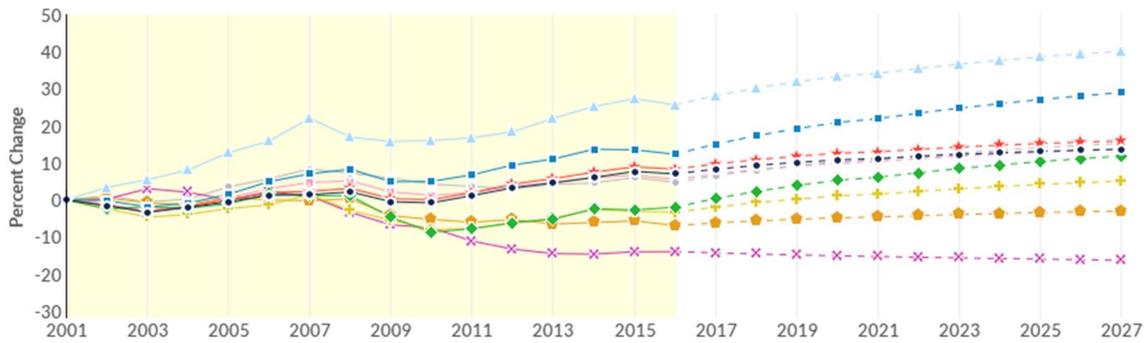
Region Imports

\$56.4B Imports (2016) 57% of Demand	\$43.4B Locally Produced & Consumed (2016) 43% of Demand
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NAICS	Industry	Imports (2016)
11	Crop and Animal Production	\$347,877,206
21	Mining, Quarrying, and Oil and Gas Extraction	\$181,411,513
22	Utilities	\$164,890,416
23	Construction	\$1,389,068,702 ■
31	Manufacturing	\$9,762,699,985 ■■■■■
42	Wholesale Trade	\$1,281,952,672 ■
44	Retail Trade	\$1,700,628,495 ■
48	Transportation and Warehousing	\$1,224,533,788 ■
51	Information	\$2,615,968,504 ■■
52	Finance and Insurance	\$3,510,633,564 ■■
53	Real Estate and Rental and Leasing	\$2,474,497,295 ■■
54	Professional, Scientific, and Technical Services	\$3,640,182,508 ■■
55	Management of Companies and Enterprises	\$971,665,027 ■
56	Administrative and Support and Waste Management and Remediation Services	\$1,057,360,483 ■
61	Educational Services	\$332,558,921
62	Health Care and Social Assistance	\$1,360,702,025 ■
71	Arts, Entertainment, and Recreation	\$278,309,835
72	Accommodation and Food Services	\$1,442,743,71 ■

NAICS	Industry	Imports (2016)
		1
81	Other Services (except Public Administration)	\$278,052,998
90	Government	\$22,340,370,159 

Regional Trends



Region	2001 Jobs	2016 Jobs	Change	% Change
● Region	462,321	494,891	32,570	7.0%
● Autry Technology Center	52,759	59,267	6,508	12.3%
● Moore Norman Technology Center	73,584	92,479	18,895	25.7%
● Chisholm Trail Technology Center	10,850	10,638	-212	-2.0%
● Central Technology Center	82,970	80,203	-2,767	-3.3%
● Canadian Valley Technology Center	505,393	547,357	41,964	8.3%
● Caddo-Kiowa Technology Center	28,086	26,154	-1,932	-6.9%
● Southwest Technology Center	15,629	13,450	-2,179	-13.9%
● Indian Capital Technology Center	90,469	94,772	4,303	4.8%
● Oklahoma	1,692,877	1,786,829	93,952	5.5%

Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Waiters and Waitresses	2,115	
Combined Food Preparation and Serving Workers, Including Fast Food	1,783	
Accountants and Auditors	1,420	
Telecommunications Equipment Installers and Repairers, Except Line Installers	-993	
Military occupations	-1,706	
Team Assemblers	-2,634	

Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Crude Petroleum and Natural Gas Extraction	5,515	
Full-Service Restaurants	5,459	
Corporate, Subsidiary, and Regional Managing Offices	3,873	
Wired Telecommunications Carriers	-3,881	
Telephone Apparatus Manufacturing	-3,918	
Temporary Help Services	-3,943	

2016 Educational Attainment



	Education Level	2016 Population	2016 Percent
●	Less Than 9th Grade	36,205	7.1% 
●	9th Grade to 12th Grade	39,137	7.7% 
●	High School Diploma	131,009	25.7% 
●	Some College	121,568	23.8% 
●	Associate's Degree	30,536	6.0% 
●	Bachelor's Degree	96,330	18.9% 
●	Graduate Degree and Higher	55,038	10.8% 

2016 Age Cohort Demographics



	Age Cohort	2016 Population	2016 Percent	
●	Under 20 years	220,366	28.1%	<div style="width: 28.1%;"></div>
●	20 to 39 years	230,474	29.4%	<div style="width: 29.4%;"></div>
●	40 to 59 years	187,310	23.9%	<div style="width: 23.9%;"></div>
●	60 to 79 years	119,593	15.3%	<div style="width: 15.3%;"></div>
●	80 years and over	25,235	3.2%	<div style="width: 3.2%;"></div>

2016 Race/Ethnicity Demographics



	Race/Ethnicity	2016 Population	2016 Percent
●	All Other Race/ethnicities	72,805	9.3% 
●	Two or More Races, Non-Hispanic	35,544	4.5% 
●	White, Hispanic	112,249	14.3% 
●	Black, Non-Hispanic	119,497	15.3% 
●	White, Non-Hispanic	442,883	56.6% 

Top Regional Businesses

Business Name	Business Size
Tinker Air Force Base	Large (250+)
Health Sciences Ctr	Large (250+)
Us Faa	Large (250+)
Ou Children's Hospital	Large (250+)
Ou Medical Ctr	Large (250+)

Appendix A - Data Sources and Calculations

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.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include annual population estimates and population projections from the US Census Bureau, birth and mortality rates from the US Health Department, and projected regional job growth.

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.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

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.

Educational Attainment Data

Emsi's educational attainment numbers are based on Emsi's demographic data and the American Community Survey. By combining these sources, Emsi interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

Infogroup Business-Level Data

Data for individual businesses is provided by Infogroup, which maintains a database of more than 16 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

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