

October 2017

Kiamichi Technology Centers

Economy Overview



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

14 items selected. See Appendix A for details.

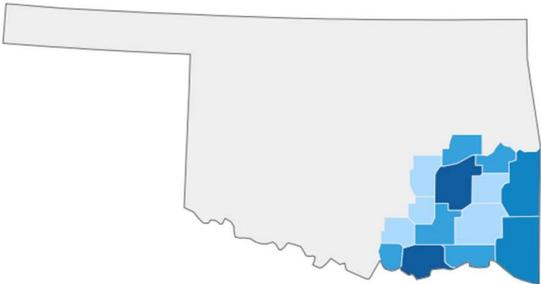
Timeframe

2001 - 2016

Datarun

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

Economy Overview



Population (2016)	301.7K
Jobs (2016)	101.4K
Average Earnings (2016)	\$42.0K
Unemployed (1/2017)	7.9K
Completions (2016)	2.8K
GRP (2016)	\$9.1B
Exports (2016)	\$16.5B
Imports (2016)	\$17.2B

Population

301.7K 2016 Population 7.7% of State	-0.7% Population Growth for the Last 5 Years State Growth 3.6%
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Age Group	2016 Population	% of Population	
Under 5 years	19,015	6.3%	
5 to 9 years	19,454	6.4%	
10 to 14 years	19,690	6.5%	
15 to 19 years	19,210	6.4%	
20 to 24 years	17,817	5.9%	
25 to 29 years	18,951	6.3%	
30 to 34 years	17,901	5.9%	
35 to 39 years	17,536	5.8%	
40 to 44 years	16,760	5.6%	
45 to 49 years	17,804	5.9%	
50 to 54 years	19,803	6.6%	
55 to 59 years	20,666	6.9%	
60 to 64 years	19,544	6.5%	
65 to 69 years	18,512	6.1%	
70 to 74 years	14,692	4.9%	
75 to 79 years	10,835	3.6%	
80 to 84 years	7,250	2.4%	
85 years and over	6,225	2.1%	

Jobs by Industry

101,389 Total Jobs (2016)		52.0% Male (National: 51.4%)	48.0% Female (National: 48.6%)
NAICS	Industry	2016 Jobs	
11	Crop and Animal Production	2,015	
21	Mining, Quarrying, and Oil and Gas Extraction	2,730	
22	Utilities	683	
23	Construction	5,377	
31	Manufacturing	9,316	
42	Wholesale Trade	1,627	
44	Retail Trade	11,268	
48	Transportation and Warehousing	3,443	
51	Information	669	
52	Finance and Insurance	2,490	
53	Real Estate and Rental and Leasing	707	
54	Professional, Scientific, and Technical Services	2,344	
55	Management of Companies and Enterprises	476	
56	Administrative and Support and Waste Management and Remediation Services	3,422	
61	Educational Services	134	
62	Health Care and Social Assistance	12,271	
71	Arts, Entertainment, and Recreation	571	
72	Accommodation and Food Services	6,800	
81	Other Services (except Public Administration)	4,389	
90	Government	30,658	
99	Unclassified Industry	0	

Average Earnings by Industry

\$42.0K

Avg. Earnings (2016)

68% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)	
11	Crop and Animal Production	\$32,672	
21	Mining, Quarrying, and Oil and Gas Extraction	\$72,034	
22	Utilities	\$103,982	
23	Construction	\$38,841	
31	Manufacturing	\$51,401	
42	Wholesale Trade	\$48,703	
44	Retail Trade	\$29,140	
48	Transportation and Warehousing	\$51,133	
51	Information	\$53,975	
52	Finance and Insurance	\$46,966	
53	Real Estate and Rental and Leasing	\$36,292	
54	Professional, Scientific, and Technical Services	\$45,864	
55	Management of Companies and Enterprises	\$58,218	
56	Administrative and Support and Waste Management and Remediation Services	\$32,341	
61	Educational Services	\$24,952	
62	Health Care and Social Assistance	\$34,965	
71	Arts, Entertainment, and Recreation	\$23,100	
72	Accommodation and Food Services	\$16,306	
81	Other Services (except Public Administration)	\$25,872	
90	Government	\$50,740	
99	Unclassified Industry	\$0	

Unemployment by Industry

7,886

Total Unemployment (1/2017)

NAICS	Industry	Unemployed (1/2017)	% of Regional Unemployment	
11	Crop and Animal Production	25	0%	
21	Mining, Quarrying, and Oil and Gas Extraction	167	2%	■
22	Utilities	55	1%	■
23	Construction	305	4%	■
31	Manufacturing	678	9%	■
42	Wholesale Trade	58	1%	■
44	Retail Trade	1,215	15%	■
48	Transportation and Warehousing	158	2%	■
51	Information	36	0%	
52	Finance and Insurance	109	1%	■
53	Real Estate and Rental and Leasing	44	1%	■
54	Professional, Scientific, and Technical Services	124	2%	■
55	Management of Companies and Enterprises	6	0%	
56	Administrative and Support and Waste Management and Remediation Services	208	3%	■
61	Educational Services	9	0%	
62	Health Care and Social Assistance	703	9%	■
71	Arts, Entertainment, and Recreation	48	1%	■
72	Accommodation and Food Services	555	7%	■
81	Other Services (except Public Administration)	295	4%	■
90	Government	1,666	21%	■
99	No Previous Work Experience/Unspecified	1,423	18%	■

Top Program Completions

CIP	Program	Completions (2016)	
51	Health professions and related programs	617	
24	Liberal arts and sciences, general studies and humanities	298	
52	Business, management, marketing, and related support services	298	
13	Education	266	
19	Family and consumer sciences/human sciences	184	
15	Engineering technologies and engineering-related fields	156	
47	Mechanic and repair technologies/technicians	132	
42	Psychology	110	
48	Precision production	94	
12	Personal and culinary services	81	

Gross Regional Product (GRP)

\$5,230.7M	\$3,370.9M	\$478.5M	\$9,080.1M
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRP (2016)

NAICS	Industry	GRP (2016)	% of Total
11	Crop and Animal Production	\$808,089,668.98	9% 
21	Mining, Quarrying, and Oil and Gas Extraction	\$799,633,839.50	9% 
22	Utilities	\$265,454,136.79	3% 
23	Construction	\$365,409,719.18	4% 
31	Manufacturing	\$784,054,082.64	9% 
42	Wholesale Trade	\$203,321,095.79	2% 
44	Retail Trade	\$556,510,758.35	6% 
48	Transportation and Warehousing	\$268,965,768.98	3% 
51	Information	\$125,314,568.08	1% 
52	Finance and Insurance	\$348,075,034.98	4% 
53	Real Estate and Rental and Leasing	\$180,334,890.35	2% 
54	Professional, Scientific, and Technical Services	\$164,829,644.83	2% 
55	Management of Companies and Enterprises	\$40,636,153.63	0% 
56	Administrative and Support and Waste Management and Remediation Services	\$176,598,058.74	2% 

NAICS	Industry	GRP (2016)	% of Total
61	Educational Services	\$4,778,769.23	0%
62	Health Care and Social Assistance	\$500,560,482.73	6% 
71	Arts, Entertainment, and Recreation	\$27,682,778.30	0%
72	Accommodation and Food Services	\$199,088,002.50	2% 
81	Other Services (except Public Administration)	\$164,874,010.51	2% 
90	Government	\$1,834,055,422.91	20% 
	Other Non-Industries	\$1,261,862,109.37	14% 

Region Exports

\$16.5B

Exports (2016)

81% of Supply

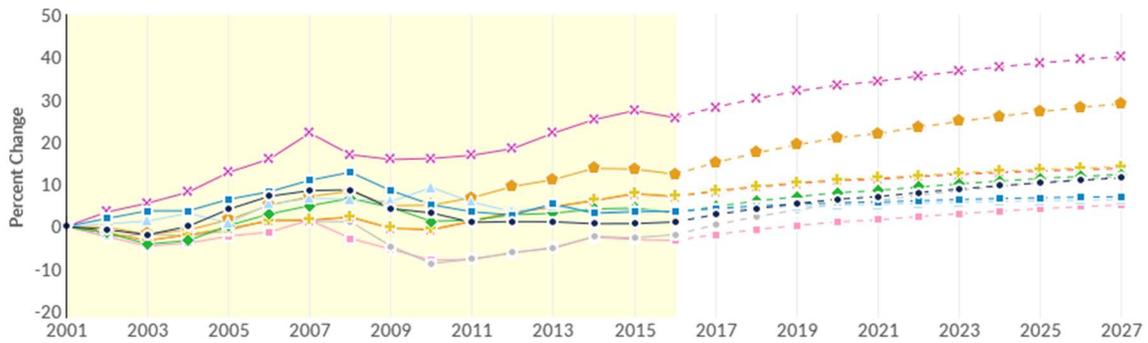
NAICS	Industry	Exports (2016)	
11	Crop and Animal Production	\$1,879,394,779	
21	Mining, Quarrying, and Oil and Gas Extraction	\$1,010,643,002	
22	Utilities	\$268,318,471	
23	Construction	\$328,485,749	
31	Manufacturing	\$2,766,254,994	
42	Wholesale Trade	\$191,691,455	
44	Retail Trade	\$714,170,936	
48	Transportation and Warehousing	\$365,530,991	
51	Information	\$198,200,622	
52	Finance and Insurance	\$450,278,788	
53	Real Estate and Rental and Leasing	\$278,833,197	
54	Professional, Scientific, and Technical Services	\$152,628,822	
55	Management of Companies and Enterprises	\$65,442,828	
56	Administrative and Support and Waste Management and Remediation Services	\$220,759,460	
61	Educational Services	\$1,460,704	
62	Health Care and Social Assistance	\$556,548,658	
71	Arts, Entertainment, and Recreation	\$17,963,887	
72	Accommodation and Food Services	\$382,739,741	
81	Other Services (except Public Administration)	\$130,104,987	
90	Government	\$6,476,989,639	

Region Imports

\$17.2B Imports (2016) 80% of Demand	\$4.4B Locally Produced & Consumed (2016) 20% of Demand
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NAICS	Industry	Imports (2016)	
11	Crop and Animal Production	\$695,747,536	
21	Mining, Quarrying, and Oil and Gas Extraction	\$75,529,292	
22	Utilities	\$133,166,074	
23	Construction	\$743,283,014	
31	Manufacturing	\$2,912,106,950	
42	Wholesale Trade	\$899,253,330	
44	Retail Trade	\$842,539,252	
48	Transportation and Warehousing	\$450,534,670	
51	Information	\$699,344,721	
52	Finance and Insurance	\$1,063,566,163	
53	Real Estate and Rental and Leasing	\$556,611,186	
54	Professional, Scientific, and Technical Services	\$823,330,944	
55	Management of Companies and Enterprises	\$281,809,598	
56	Administrative and Support and Waste Management and Remediation Services	\$266,422,130	
61	Educational Services	\$208,146,128	
62	Health Care and Social Assistance	\$1,229,969,062	
71	Arts, Entertainment, and Recreation	\$143,793,118	
72	Accommodation and Food Services	\$559,607,230	
81	Other Services (except Public Administration)	\$190,416,657	
90	Government	\$4,452,789,220	

Regional Trends



Region	2001 Jobs	2016 Jobs	Change	% Change
● Region	100,343	101,389	1,046	1.0%
● Green Country Technology Center	10,807	11,192	385	3.6%
● Great Plains Technology Center	61,823	63,951	2,128	3.4%
● Gordon Cooper Technology Center	43,266	44,630	1,364	3.2%
● Francis Tuttle Technology Center	470,644	504,550	33,906	7.2%
● Eastern Oklahoma County Tech Center	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%

Growing & Declining Occupations

Occupation	Change in Jobs (2001-2016)	
Personal Care Aides	830	
Waiters and Waitresses	279	
Landscaping and Groundskeeping Workers	275	
Maids and Housekeeping Cleaners	-382	
Childcare Workers	-497	
Farmers, Ranchers, and Other Agricultural Managers	-1,178	

Growing & Declining Industries

Industry	Change in Jobs (2001-2016)	
Local Government, Excluding Education and Hospitals	6,833	■
Support Activities for Oil and Gas Operations	878	■
Warehouse Clubs and Supercenters	791	■
Private Households	-1,046	■
Elementary and Secondary Schools (Local Government)	-1,192	■
Drilling Oil and Gas Wells	-1,220	■

2016 Educational Attainment



	Education Level	2016 Population	2016 Percent
●	Less Than 9th Grade	12,854	6.2% 
●	9th Grade to 12th Grade	25,168	12.2% 
●	High School Diploma	78,571	38.1% 
●	Some College	44,206	21.4% 
●	Associate's Degree	14,623	7.1% 
●	Bachelor's Degree	20,852	10.1% 
●	Graduate Degree and Higher	10,205	4.9% 

2016 Age Cohort Demographics



	Age Cohort	2016 Population	2016 Percent	
●	Under 20 years	77,369	25.6%	■
●	20 to 39 years	72,206	23.9%	■
●	40 to 59 years	75,031	24.9%	■
●	60 to 79 years	63,583	21.1%	■
●	80 years and over	13,475	4.5%	■

2016 Race/Ethnicity Demographics



	Race/Ethnicity	2016 Population	2016 Percent
●	All Other Race/ethnicities	16,963	5.6% ■
●	White, Hispanic	12,819	4.2% ■
●	Two or More Races, Non-Hispanic	20,324	6.7% ■
●	American Indian or Alaskan Native, Non-Hispanic	44,498	14.8% ■
●	White, Non-Hispanic	207,061	68.6% ■

Top Regional Businesses

Business Name	Business Size
International Paper Co	Large (250+)
Tyson Foods Inc	Large (250+)
Southeastern Oklahoma St Univ	Large (250+)
Choctaw Idabel	Large (250+)
Mcalester Regional Health Ctr	Large (250+)

Appendix A - Regions

Code	Description
40005	Atoka County, OK
40013	Bryan County, OK
40023	Choctaw County, OK
40029	Coal County, OK
40061	Haskell County, OK
40063	Hughes County, OK
40069	Johnston County, OK
40077	Latimer County, OK
40079	Le Flore County, OK
40089	McCurtain County, OK
40091	McIntosh County, OK
40095	Marshall County, OK
40121	Pittsburg County, OK
40127	Pushmataha County, OK

Appendix B - 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