Oklahoma Department of Career and Technology Education

Innovative Programs, Research and Development November 2013

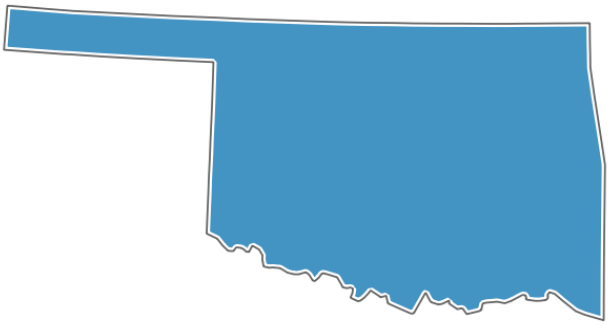
State of Oklahoma

Economic Overview

Report Info

Dataset Version	2013.4 Class of Worker
Class of Worker Categories	QCEW Employees + Non-QCEW Employees
Timeframe	2011 - 2016
Dataset Category	EMSI Complete
Region Name	Oklahoma
States	
Oklahoma (OK)	

Oklahoma



Population (2013)	3,867,962
Jobs (2013)	1,650,169
Average Earnings (2013)	$51,319
Unemployed (8/2013)	92,111
Completions (2011)	53,838
GRP (2012)	$156,767,129,471
Exports (2012)	$217,133,106,307
Imports (2012)	$179,807,200,918

Oklahoma | Population

3,867,962	5.4%
2013 Population	**Population Growth for the Last 5 Years**
1.2% of National	National Growth 4.2%

Age Group	2013 Population	% of Population
Under 5 years	268,143	6.9%
5 to 9 years	269,959	7.0%
10 to 14 years	265,840	6.9%
15 to 19 years	259,842	6.7%
20 to 24 years	278,049	7.2%
25 to 29 years	269,465	7.0%
30 to 34 years	263,334	6.8%
35 to 39 years	233,757	6.0%
40 to 44 years	228,350	5.9%
45 to 49 years	243,055	6.3%
50 to 54 years	264,347	6.8%
55 to 59 years	252,483	6.5%
60 to 64 years	228,156	5.9%
65 to 69 years	178,406	4.6%
70 to 74 years	131,599	3.4%
75 to 79 years	98,416	2.5%
80 to 84 years	70,764	1.8%
85 years and over	63,995	1.7%

Oklahoma | Jobs by Industry

1,650,169	52.1%	47.9%
Total Jobs (2013)	**Male**	**Female**
	(National: 50.4%)	(National: 49.6%)

NAICS	Industry	2013 Jobs
11	Agriculture, Forestry, Fishing and Hunting	13,102
21	Mining, Quarrying, and Oil and Gas Extraction	53,832
22	Utilities	11,718
23	Construction	75,353
31	Manufacturing	135,823
42	Wholesale Trade	62,070
44	Retail Trade	179,678
48	Transportation and Warehousing	41,493
51	Information	22,274
52	Finance and Insurance	59,087
53	Real Estate and Rental and Leasing	21,942
54	Professional, Scientific, and Technical Services	69,583
55	Management of Companies and Enterprises	16,329
56	Administrative and Support and Waste Management and Remediation Services	98,151
61	Educational Services (Private)	21,582
62	Health Care and Social Assistance	185,268
71	Arts, Entertainment, and Recreation	14,976
72	Accommodation and Food Services	139,288
81	Other Services (except Public Administration)	61,079
90	Government	367,529
99	Unclassified Industry	10

Oklahoma | Average Earnings by Industry

$51,319	$62,654	$38,995
Avg. Earnings (2013)	**Male Avg. Earnings (2013)**	**Female Avg. Earnings (2013)**
86% of Nation Avg.	86% of Nation Avg.	84% of Nation Avg.

NAICS	Industry	Avg. Earnings (2013)
11	Agriculture, Forestry, Fishing and Hunting	$34,287
21	Mining, Quarrying, and Oil and Gas Extraction	$106,567
22	Utilities	$127,237
23	Construction	$54,895
31	Manufacturing	$65,710
42	Wholesale Trade	$62,801
44	Retail Trade	$31,643
48	Transportation and Warehousing	$66,050
51	Information	$65,694
52	Finance and Insurance	$63,860
53	Real Estate and Rental and Leasing	$48,031
54	Professional, Scientific, and Technical Services	$68,791
55	Management of Companies and Enterprises	$103,043
56	Administrative and Support and Waste Management and Remediation Services	$38,381
61	Educational Services (Private)	$34,086
62	Health Care and Social Assistance	$49,232
71	Arts, Entertainment, and Recreation	$33,490
72	Accommodation and Food Services	$17,056
81	Other Services (except Public Administration)	$27,280
90	Government	$56,310
99	Unclassified Industry	$34,664

Oklahoma | Unemployment by Industry

92,111

Total Unemployment (8/2013)

NAICS	Industry	Unemployed (8/2013)	% of Unemployed
11	Agriculture, Forestry, Fishing and Hunting	278	0%
21	Mining, Quarrying, and Oil and Gas Extraction	2,728	3%
22	Utilities	469	1%
23	Construction	5,126	6%
31	Manufacturing	8,777	10%
42	Wholesale Trade	1,767	2%
44	Retail Trade	10,253	11%
48	Transportation and Warehousing	1,957	2%
51	Information	1,301	1%
52	Finance and Insurance	2,165	2%
53	Real Estate and Rental and Leasing	1,297	1%
54	Professional, Scientific, and Technical Services	3,578	4%
55	Management of Companies and Enterprises	121	0%
56	Administrative and Support and Waste Management and Remediation Services	6,489	7%
61	Educational Services (Private)	1,911	2%
62	Health Care and Social Assistance	7,325	8%
71	Arts, Entertainment, and Recreation	1,478	2%
72	Accommodation and Food Services	5,974	6%
81	Other Services (except Public Administration)	3,742	4%
90	Government	12,344	13%
99	No Previous Work Experience/Unspecified	13,029	14%

Oklahoma | Top Program Completions

CIP	Program	Completions (2011)
51	Health professions and related programs	11,495
52	Business, management, marketing, and related support services	8,401
13	Education	4,266
24	Liberal arts and sciences, general studies and humanities	2,852
12	Personal and culinary services	2,160
47	Mechanic and repair technologies/technicians	2,045
15	Engineering technologies and engineering-related fields	1,849
14	Engineering	1,531
42	Psychology	1,458
48	Precision production	1,438

Oklahoma | Gross Regional Product (GRP)

$95,006,883,074	$44,825,011,059	$8,998,417,062	$148,830,311,196
Earnings (2011)	Property Income (2011)	Taxes on Production (2011)	Total GRP (2011)

NAICS	Industry	GRP (2011)	% of Total
11	Agriculture, Forestry, Fishing and Hunting	$3,097,937,687	2%
21	Mining, Quarrying, and Oil and Gas Extraction	$23,219,904,959	16%
22	Utilities	$4,263,959,127	3%
23	Construction	$4,948,693,310	3%
31	Manufacturing	$13,085,423,504	9%
42	Wholesale Trade	$5,924,368,361	4%
44	Retail Trade	$8,614,662,276	6%
48	Transportation and Warehousing	$4,301,284,113	3%
51	Information	$3,614,887,840	2%
52	Finance and Insurance	$8,425,485,734	6%
53	Real Estate and Rental and Leasing	$7,106,098,198	5%
54	Professional, Scientific, and Technical Services	$6,311,757,235	4%
55	Management of Companies and Enterprises	$1,943,879,198	1%
56	Administrative and Support and Waste Management and Remediation Services	$4,509,064,654	3%
61	Educational Services (Private)	$852,507,238	1%
62	Health Care and Social Assistance	$10,454,990,486	7%
71	Arts, Entertainment, and Recreation	$828,692,485	1%

NAICS	Industry	GRP (2011)	% of Total
72	Accommodation and Food Services	$3,341,338,059	2%
81	Other Services (except Public Administration)	$2,706,899,462	2%
90	Government	$23,068,068,354	15%
	Other non-industries	$8,210,408,914	6%

Oklahoma | Region Exports

$203,801,201,347.90

Exports (2011)

58% of Supply

NAICS	Industry	Exports (2011)
11	Agriculture, Forestry, Fishing and Hunting	$9,428,050,826
21	Mining, Quarrying, and Oil and Gas Extraction	$41,820,025,551
22	Utilities	$3,989,994,879
23	Construction	$2,235,694,781
31	Manufacturing	$37,500,774,297
42	Wholesale Trade	$5,426,016,396
44	Retail Trade	$4,299,505,394
48	Transportation and Warehousing	$5,736,968,077
51	Information	$2,106,427,612
52	Finance and Insurance	$3,834,840,937
53	Real Estate and Rental and Leasing	$3,368,252,521
54	Professional, Scientific, and Technical Services	$1,672,114,663
55	Management of Companies and Enterprises	$1,598,150,453
56	Administrative and Support and Waste Management and Remediation Services	$2,989,233,618
61	Educational Services (Private)	$255,014,758
62	Health Care and Social Assistance	$3,571,263,273
71	Arts, Entertainment, and Recreation	$360,904,813

NAICS	Industry	Exports (2011)
72	Accommodation and Food Services	$1,566,672,778
81	Other Services (except Public Administration)	$1,255,905,283
90	Government	$70,785,390,439

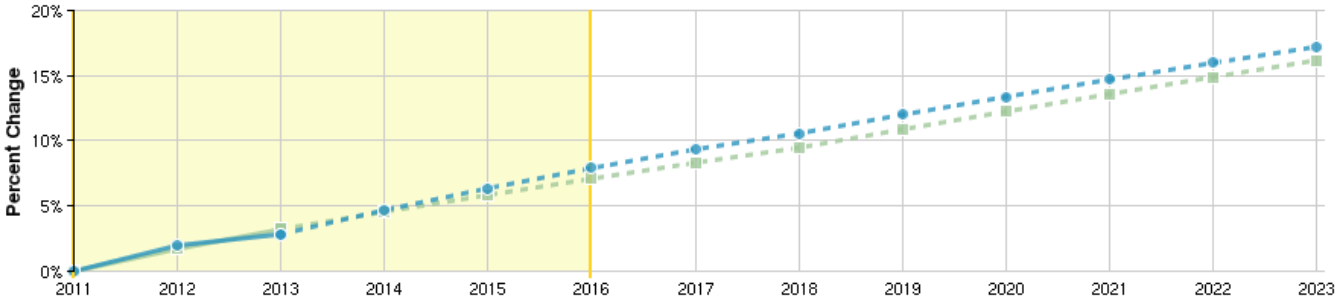
Oklahoma | Region Imports

$170,470,149,394	$147,882,392,360
Imports (2011)	**Locally Produced & Consumed (2011)**
54% of Demand	46% of Demand

NAICS	Industry	Imports (2011)
11	Agriculture, Forestry, Fishing and Hunting	$4,425,828,206
21	Mining, Quarrying, and Oil and Gas Extraction	$3,565,055,327
22	Utilities	$1,012,871,870
23	Construction	$4,388,730,023
31	Manufacturing	$40,377,080,064
42	Wholesale Trade	$7,842,441,338
44	Retail Trade	$4,203,739,124
48	Transportation and Warehousing	$4,645,461,800
51	Information	$6,186,174,672
52	Finance and Insurance	$9,856,824,251
53	Real Estate and Rental and Leasing	$6,054,742,724
54	Professional, Scientific, and Technical Services	$9,259,542,002
55	Management of Companies and Enterprises	$3,252,229,879
56	Administrative and Support and Waste Management and Remediation Services	$2,327,699,876
61	Educational Services (Private)	$1,749,141,865
62	Health Care and Social Assistance	$5,828,103,876
71	Arts, Entertainment, and Recreation	$1,262,052,03

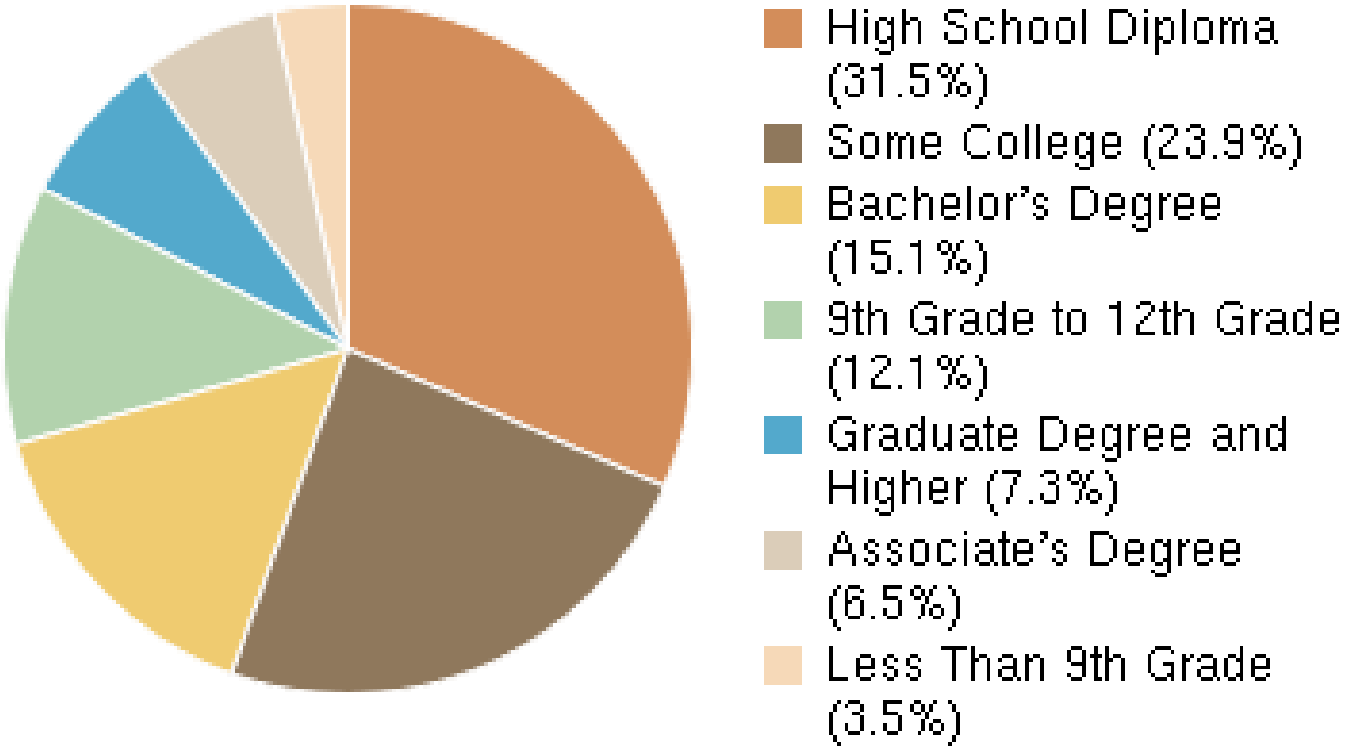
NAICS	Industry	Imports (2011)
		3
72	Accommodation and Food Services	$2,838,053,136
81	Other Services (except Public Administration)	$1,759,508,606
90	Government	$49,634,868,724

Regional Trends



	Region	2011 Jobs	2016 Jobs	% Change
●	Oklahoma	1,604,663	1,731,482	7.9%
●	Nation	136,180,421	145,842,854	7.1%

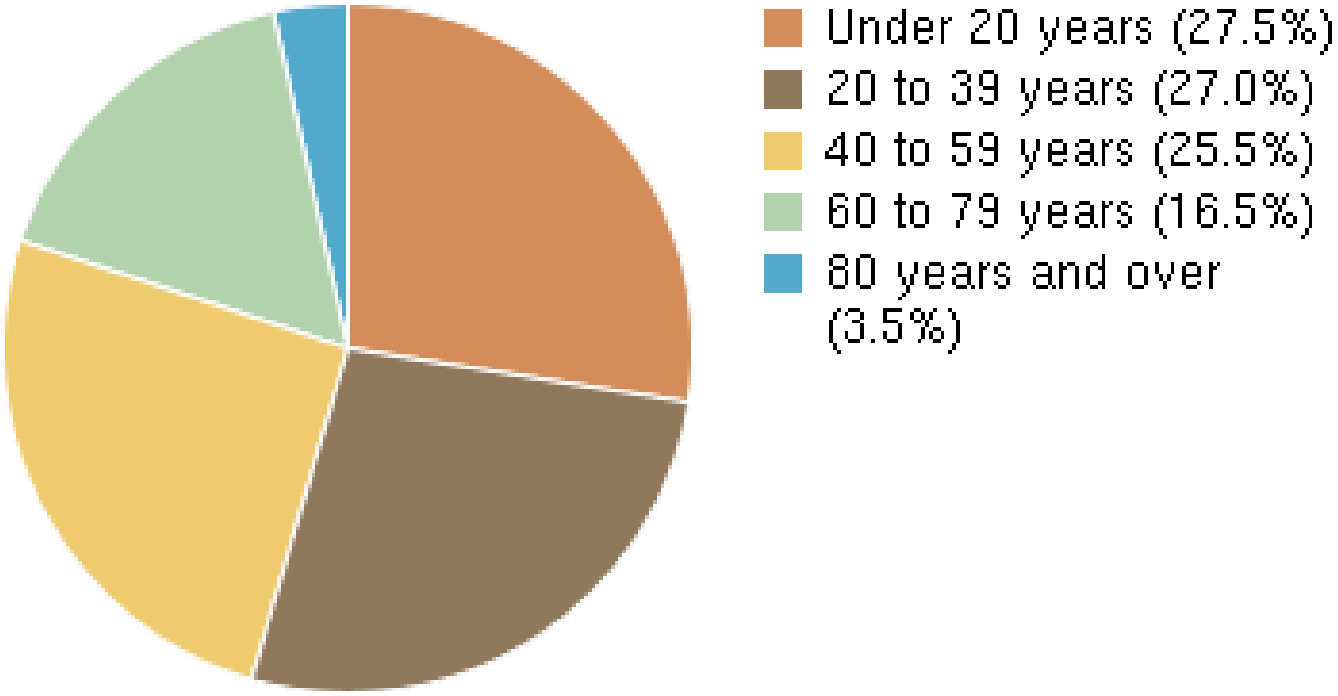
2013 Educational Attainment



Largest Openings/Completions Gaps

Occupation	Related Completions (2011)	Annual Openings (2013)
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products (41-4011)	49	223
Substitute Teachers (25-3098)	41	210
Compliance Officers (13-1041)	0	126
Training and Development Specialists (13-1151)	20	141
Securities, Commodities, and Financial Services Sales Agents (41-3031)	1	82

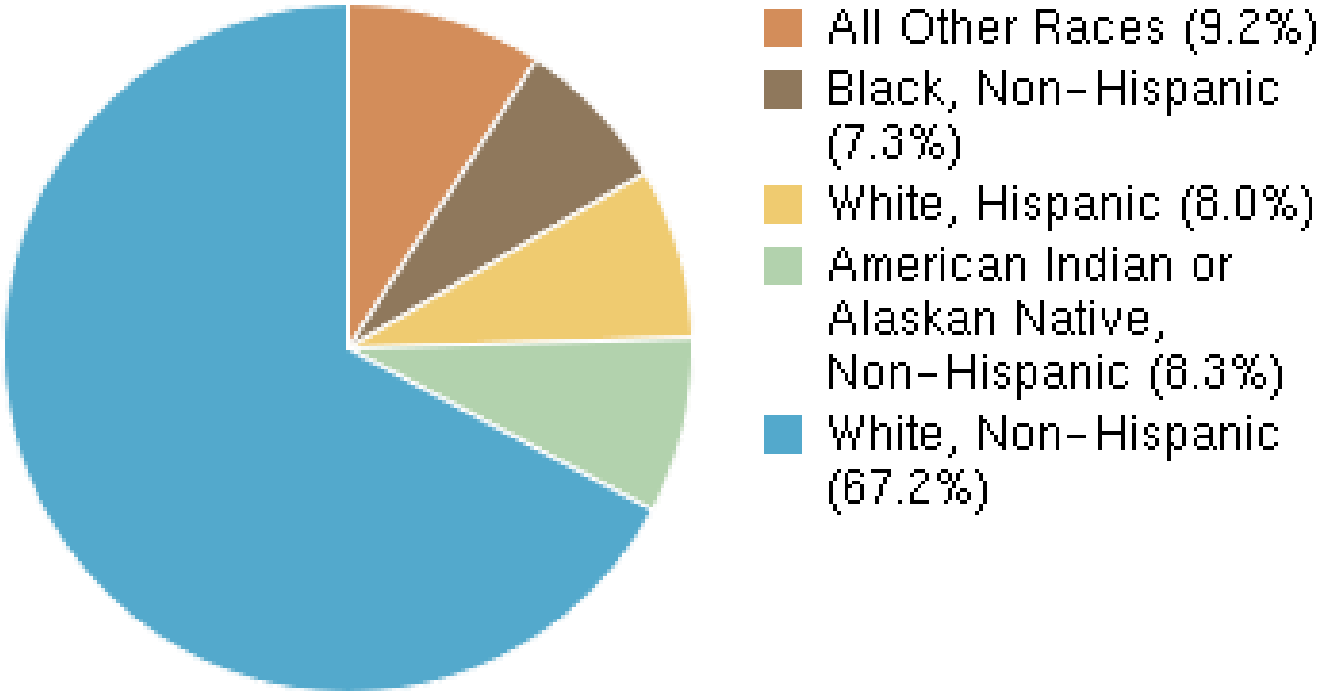
2013 Age Demographics



Growing/Declining Occupations

Occupation	Change in Jobs (2011-2016)
Combined Food Preparation and Serving Workers, Including Fast Food (35-3021)	5,756
Retail Salespersons (41-2031)	5,190
Registered Nurses (29-1141)	3,298
Printing Press Operators (51-5112)	-255
Postal Service Mail Sorters, Processors, and Processing Machine Operators (43-5053)	-257
Aircraft Mechanics and Service Technicians (49-3011)	-370

2013 Race Demographics



Growing/Declining Industries

Industry	Change in Jobs (2011-2016)
Limited-Service Restaurants (722211)	8,297
Local Government, Excluding Education and Hospitals (903999)	7,514
Elementary and Secondary Schools (Local Government) (903611)	6,214
Department Stores (except Discount Department Stores) (452111)	-1,417
Religious Organizations (813110)	-1,519
Professional Employer Organizations (561330)	-2,471

Top Regional Businesses

Business Name	Local Employees
Us Dept Of The Air Force	4,590
Oklahoma City	4,000
United Parcel Service Oh	2,350
Ou Medical Center	2,180
Helmerich & Payne, Inc.	2,022
Pulseline At St John Med Ctr	1,925
Colorado Express Services, Inc	1,800
U S Government Federal Aviation Administration	1,750
State Of Oklahoma - State University	1,750
Integris	1,600
Oneok, Inc.	1,512
International Paper Co - Valliant Containerboard Mill	1,500
York Unitary Products Group	1,500
Oklahoma Tax Commission	1,500
Tyson Hatchery	1,500
Tv Guide International Ipg, Inc.	1,400
Oklahoma Department Of Public Safety	1,384
Williams Gas Processing-gulf Coast Company, L.p.	1,300
Citgo Pipeline Co.	1,300
Gmvm Oklahoma City Assembly Plant	1,260
City Of Oklahoma City Police Department	1,230
Johnson Controls Inc.	1,200
Chesapeake Exploration, L.l.c.	1,200

University Of Central Oklahoma	1,117
University Physicians Medical Group	1,104
West Teleservices Corp	1,100
Georgia Temp.	1,100
Unit Parts Company	1,100
Bank Of Oklahoma	1,050
Spirit Aerosystems	1,050
Midwest City-del City Public Schools	1,033
Univ. Center-uco	1,000
Mapco Llc	1,000
Us Army Hospital	1,000
Gene D. Yost & Son, Inc.	1,000
Williams Energy Services, Llc	1,000
International Paper Company	1,000
Ou Medical Center	1,000
Keel Jefferson Lt Governor	970
New Breed	966
Dannie Gilder, Inc.	950
Cni Medical Services Llc	925
Us Dept Of The Air Force	920
J. C. Penney Company, Inc	906
J. C. Penney Company, Inc	902
Unit Parts	900
Penloyd, Llc	900
Flint Energy Construction Services Inc.	900

Oklahoma County Sheriff's Office	850
Magellan Pipeline Company, L.p.	850
Behavioral Health Services	847
Benham/ellerbe Becket, Llc	829
The Benham Companies Llc	829
Benham Companies Llc	829

Source: Equifax Business-Level Data

DISCLAIMER: Business Data by Equifax is third-party data provided by EMSI to its customers as a convenience, and EMSI does not endorse or warrant its accuracy or consistency with other published EMSI data.

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.

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.

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 and Current Employment Statistics. (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.

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.

State Data Sources

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

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.

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.

Equifax Business-Level Data

Data for individual businesses is provided by Equifax (http://www.equifax.com/commercial/), which maintains a database of more than 20 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.