

SOIC Gap Analysis Overview: *Demographics, Industry, Occupation, & Educational Attainment Analysis*

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The SOIC Gap Analysis Overview provides an analysis of the economy using demographic, industry, occupation, and educational attainment data for the Southwestern Oklahoma Impact Coalition (SOIC) region from 2007-2012. Counties included in the SOIC region are Beckham, Blaine, Caddo, Canadian, Comanche, Cotton, Custer, Dewey, Grady, Greer, Harmon, Jackson, Jefferson, Kingfisher, Kiowa, McClain, Roger Mills, Stephens, Tillman, and Washita. The source for the information comes from the Economic Modeling Specialists, Inc.

Demographics

The demographics section focuses on the SOIC region's population from 2007-2012 by age, race, and projected change. Also included is the state and nation's population numbers.

Industry

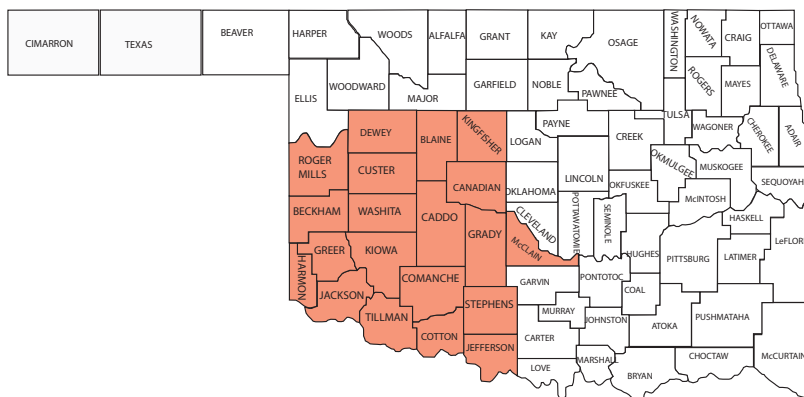
The industry section shows the top level view of the industries in the SOIC region. It also provides a quick look at both the top and bottom industries in the SOIC region.

Occupation

The occupation section provides a top level view of the occupations in the SOIC region sorted by the number of jobs. Also included are the top occupations ranked by growth and the top declining occupations ranked by growth in the SOIC region.

Educational Attainment

The educational attainment section provides a view of educational attainment by total population for the SOIC region, the state, and the nation.



Before results of the Gap Analysis Overview are presented, it is necessary to have a basic understanding of the common terms presented in the report.

Earnings per Worker — By default, shown as median hourly earnings (wage/salary) of workers in that occupation.

Establishments — A single physical location of some type of economic activity.

Growth Period — A timeframe defined by a start and an end year. In this report, published data is employed for each year in the growth period it is available. For future years (and sometimes the year previous to the present) EMSI projections are used.

Industry — A group of businesses that produce similar goods and services, and share similar production processes for creating the goods and services they sell. Industries are classified using NAICS codes. Note that in the NAICS system, what a business produces is given less importance than the process used to create it.

Jobs — This column in the data represents full and part-time jobs, which can explain some situations in which the number of jobs in a region seems unusually high compared to the total regional population. Unlike individual government sources, EMSI’s data includes jobs held by nearly all types of workers: payroll workers (who have unemployment insurance), farm workers, railroad workers, military workers, and sole proprietors.

North American Industry Classification System (NAICS) — A system of classifying North American industries using six-digit codes.

Occupation — A worker job description that contains a defined set of tasks and responsibilities. Occupations are classified using Standard Occupation Classification (SOC) codes.

Projection (Demographics) — A method of trending past population numbers by demographic group into the future.

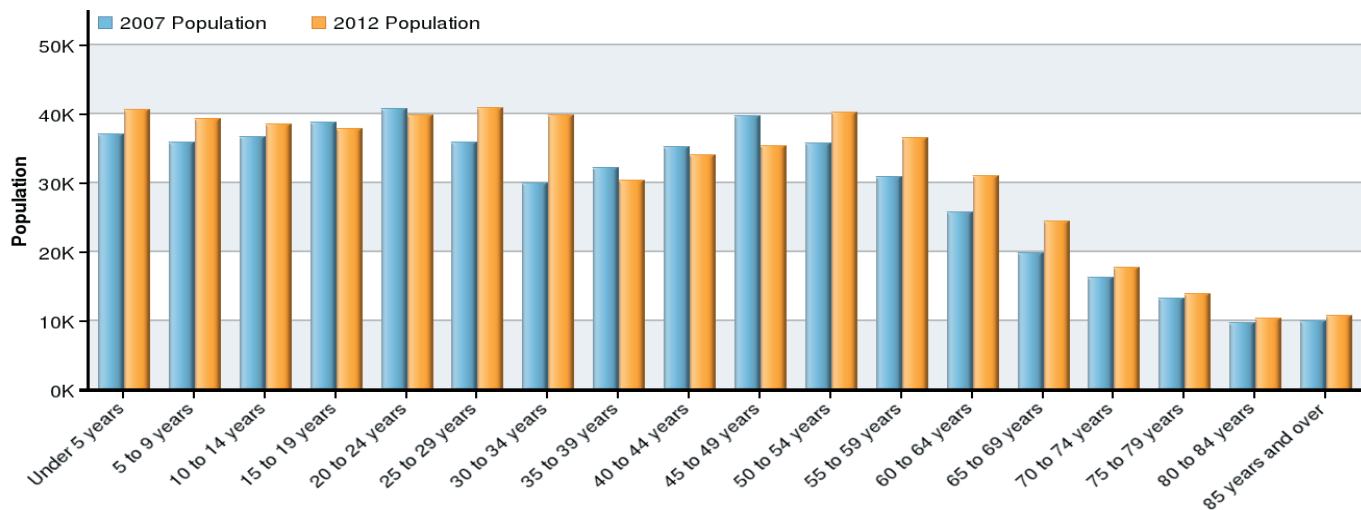
Projection (Jobs) — A method of trending past employment numbers for an industry or occupation into the future. Note that a projection is not a prediction, and projected job growth is not the same thing as “demand,” though there is significant overlap.

Replacement Jobs — The number of job openings (over a given timeframe) expected in an occupation as the result of turnover. An example would be employees changing occupations, retiring, etc. It is derived by multiplying estimated annual turnover by the number of years in a given timeframe.

Source: Economic Modeling Specialists, Inc.

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Population by Age



Source: EMSI Complete Employment - March 2008

The current population for the SOIC region is 524,411.

By 2012, the population is projected to increase by 7%.

Area	2007 Population	2012 Population Projection	Change in Population	% Change in Population
SOIC Region	524,411	562,251	37,840	7%
State	3,594,429	3,827,492	233,063	6%
Nation	302,193,898	328,348,360	26,154,462	9%

Source: EMSI Complete Employment, March 2008

By 2012, it is projected that in the SOIC region, females will outnumber males by 1,638.

Gender	2007 Population	2012 Population Projection	Change in Population	% Change in Population
Males	260,638	278,739	18,101	7%
Females	263,773	283,512	19,739	7%
	524,411	562,251	37,840	7%

Source: EMSI Complete Employment, March 2008

By 2012, 74.20% of the population in the SOIC region is projected to be under the age of 55.

Age	2007 Population	2012 Population Projection	Change in Population	% Change in Population
Under 5 years	37,145	40,719	3,574	9.62%
5 to 9 years	35,978	39,364	3,386	9.41%
10 to 14 years	36,719	38,543	1,824	4.97%
15 to 19 years	38,793	37,914	(879)	(2.27%)
20 to 24 years	40,767	39,917	(850)	(2.08%)
25 to 29 years	35,974	40,912	4,938	13.73%
30 to 34 years	30,024	39,862	9,838	32.77%
35 to 39 years	32,284	30,333	(1,951)	(6.04%)
40 to 44 years	35,228	34,032	(1,196)	(3.40%)
45 to 49 years	39,680	35,397	(4,284)	(10.80%)
50 to 54 years	35,838	40,214	4,376	12.21%
55 to 59 years	30,963	36,617	5,654	18.26%
60 to 64 years	25,751	31,098	5,347	20.77%
65 to 69 years	19,879	24,428	4,549	22.88%
70 to 74 years	16,374	17,754	1,379	8.42%
75 to 79 years	13,322	13,964	642	4.82%
80 to 84 years	9,699	10,423	724	7.46%
85 years and over	9,993	10,760	767	7.68%
	524,411	562,251	37,840	7.22%

Source: EMSI Complete Employment, March 2008

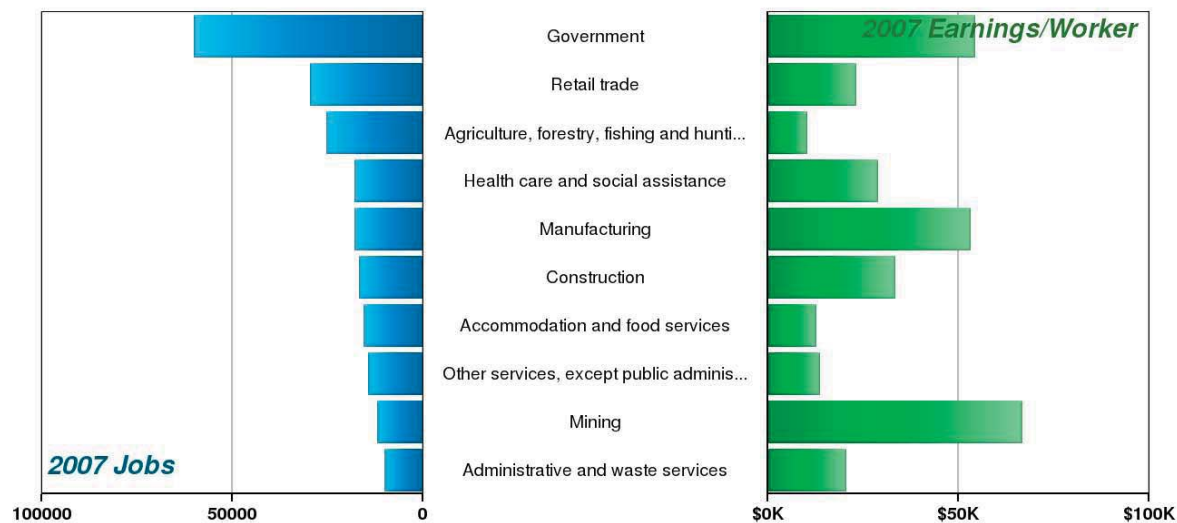
The Industry Overview Table provides jobs, projected jobs, average annual earnings per worker, and 2007 establishments at the industry supersector level of detail (NAICS 2-digit) in the SOIC region from 2007-2012.

NAICS ¹ Code	Description	2007 Jobs	2012 Jobs Projection	Average Annual Earnings/Worker	2007 Establishments
90	Government	60,056	61,035	\$54,329	1,147
44-45	Retail trade	29,523	32,788	\$23,201	1,870
11	Agriculture, forestry, fishing and hunting	25,315	24,970	\$10,337	237
62	Health care and social assistance	17,970	20,490	\$28,822	1,074
31-33	Manufacturing	17,956	18,238	\$53,192	497
23	Construction	16,633	17,795	\$33,233	1,408
72	Accommodation and food services	15,419	17,031	\$12,579	832
81	Other services, except public administration	14,198	14,975	\$13,641	869
21	Mining	12,014	10,961	\$66,749	531
56	Administrative and waste services	9,966	12,257	\$20,566	624
52	Finance and insurance	9,442	10,928	\$33,076	849
54	Professional and technical services	8,284	8,243	\$32,643	967
53	Real estate and rental and leasing	8,189	10,151	\$27,104	437
42	Wholesale trade	5,478	5,725	\$39,364	596
71	Arts, entertainment, and recreation	3,277	3,524	\$14,973	109
51	Information	2,625	3,153	\$38,797	208
61	Educational services	2,098	2,416	\$25,657	67
22	Utilities	1,322	1,483	\$81,654	83
55	Management of companies and enterprises	808	897	\$30,139	28
	Total	260,571	277,060	\$34,490	12,432

Source: EMSI Complete Employment, March 2008

¹NAICS – North American Industry Classification System

2007 Largest Industries



Source: EMSI Complete Employment, March 2008

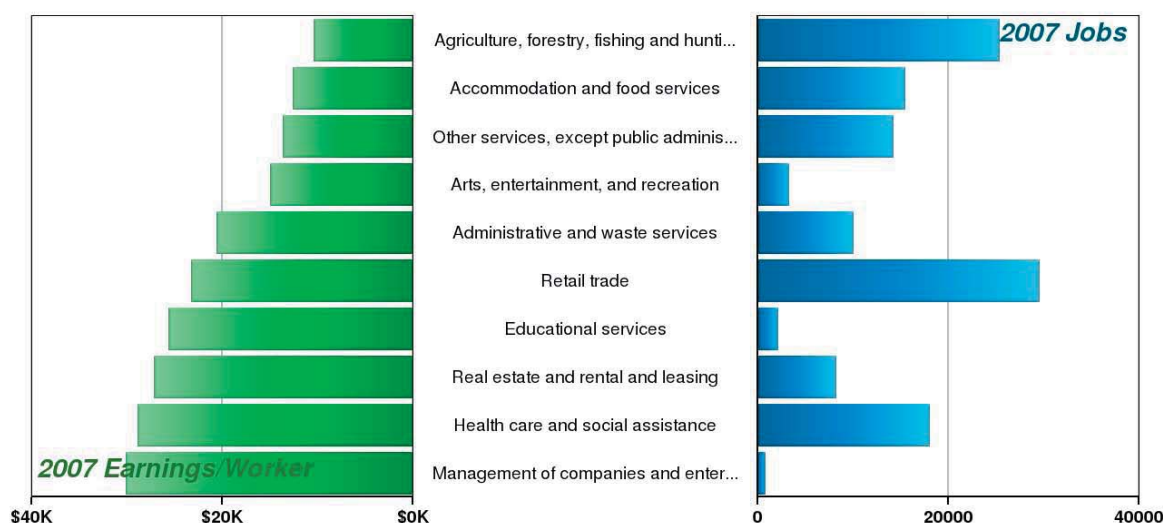
The Highest Ranking Industries Table provides a view of the top industries ranked by the number of jobs in the SOIC region from 2007-2012.

NAICS ¹ Code	Description	2007 Jobs	2012 Jobs Projection	Change in Jobs	% Change in Jobs	2007 Average Annual Earnings/Worker
90	Government	60,056	61,035	979	2%	\$54,329
44-45	Retail trade	29,523	32,788	3,265	11%	\$23,201
11	Agriculture, forestry, fishing and hunting	25,315	24,970	(344)	(1%)	\$10,337
62	Health care and social assistance	17,970	20,490	2,520	14%	\$28,822
31-33	Manufacturing	17,956	18,238	282	2%	\$53,192
23	Construction	16,633	17,795	1,162	7%	\$33,233
72	Accommodation and food services	15,419	17,031	1,612	10%	\$12,579
81	Other services, except public administration	14,198	14,975	777	5%	\$13,641
21	Mining	12,014	10,961	(1,054)	(9%)	\$66,749
56	Administrative and waste services	9,966	12,257	2,292	23%	\$20,566

Source: EMSI Complete Employment, March 2008

¹NAICS – North American Industry Classification System

2007 Lowest Paying Industries



Source: EMSI Complete Employment, March 2008

The Lowest Ranking Industries Table ranks the bottom industries by earnings in the SOIC region from 2007-2012.

NAICS ¹ Code	Description	2007 Jobs	2012 Jobs Projection	Change in Jobs	% Change in Jobs	2007 Average Annual Earnings/Worker
11	Agriculture, forestry, fishing and hunting	25,315	24,970	(344)	(1%)	\$10,337
72	Accommodation and food services	15,419	17,031	1,612	10%	\$12,579
81	Other services, except public administration	14,198	14,975	777	5%	\$13,641
71	Arts, entertainment, and recreation	3,277	3,524	247	8%	\$14,973
56	Administrative and waste services	9,966	12,257	2,292	23%	\$20,566
44-45	Retail trade	29,523	32,788	3,265	11%	\$23,201
61	Educational services	2,098	2,416	318	15%	\$25,657
53	Real estate and rental and leasing	8,189	10,151	1,962	24%	\$27,104
62	Health care and social assistance	17,970	20,490	2,520	14%	\$28,822
55	Management of companies and enterprises	808	897	90	11%	\$30,139

Source: EMSI Complete Employment, March 2008

¹NAICS – North American Industry Classification System

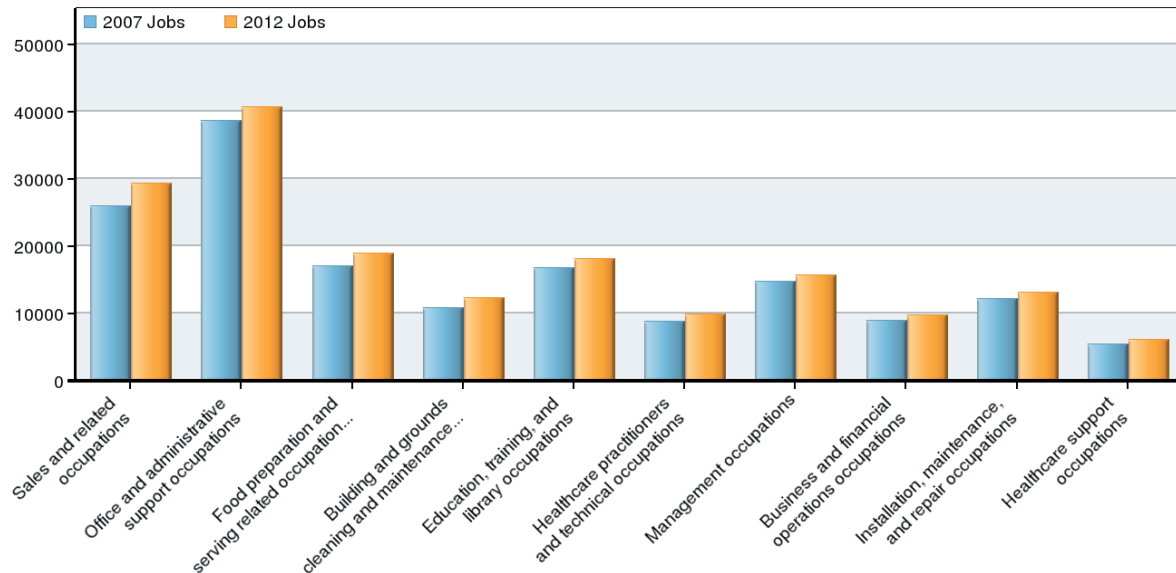
The Occupation Overview Table provides regional jobs, regional job change, and regional earnings per worker at the occupation supersector level of detail (SOC 2-digit) from 2007-2012 for the SOIC region.

SOC ¹ Code	Description	2007 Jobs	2012 Jobs Projection	Change in Jobs	% Change in Jobs	New & Rep. Jobs	% New & Rep.	Avg Hourly Earnings/Worker
11-0000	Management occupations	14,706	15,687	981	7%	2,595	18%	\$21.55
13-0000	Business and financial operations occupations	8,879	9,749	870	10%	1,632	18%	\$17.94
15-0000	Computer and mathematical science occupations	2,787	2,923	136	5%	470	17%	\$21.88
17-0000	Architecture and engineering occupations	2,455	2,541	86	4%	365	15%	\$25.89
19-0000	Life, physical, and social science occupations	2,120	2,215	95	4%	357	17%	\$26.69
21-0000	Community and social services occupations	2,931	3,170	239	8%	502	17%	\$11.53
23-0000	Legal occupations	1,244	1,351	107	9%	218	18%	\$21.89
25-0000	Education, training, and library occupations	16,738	18,111	1,373	8%	3,085	18%	\$16.69
27-0000	Arts, design, entertainment, sports, and media occupations	4,035	4,145	110	3%	611	15%	\$11.10
29-0000	Healthcare practitioners and technical occupations	8,792	9,798	1,006	11%	1,902	22%	\$21.59
31-0000	Healthcare support occupations	5,465	6,143	678	12%	983	18%	\$10.29
33-0000	Protective service occupations	5,043	5,462	419	8%	1,122	22%	\$12.79
35-0000	Food preparation and serving related occupations	16,978	18,895	1,917	11%	4,720	28%	\$7.62
37-0000	Building and grounds cleaning and maintenance occupations	10,852	12,248	1,396	13%	2,342	22%	\$6.63
39-0000	Personal care and service occupations	7,685	8,101	416	5%	1,339	17%	\$6.22
41-0000	Sales and related occupations	25,990	29,304	3,314	13%	7,436	29%	\$11.95
43-0000	Office and administrative support occupations	38,659	40,705	2,046	5%	6,364	16%	\$11.74
45-0000	Farming, fishing, and forestry occupations	7,510	8,079	569	8%	1,564	21%	\$4.83
47-0000	Construction and extraction occupations	19,161	19,666	505	3%	2,232	12%	\$15.65
49-0000	Installation, maintenance, and repair occupations	12,215	13,082	867	7%	1,892	15%	\$15.47
51-0000	Production occupations	17,508	17,858	350	2%	2,640	15%	\$15.45
53-0000	Transportation and material moving occupations	21,802	22,378	576	3%	3,192	15%	\$11.64
55-0000	Military Occupations	15,860	15,008	(852)	(5%)	998	6%	\$22.58
		269,412	286,618	17,206	6%	48,562	18%	\$14.01

Source: EMSI Complete Employment, March 2008

¹SOC – Standard Occupation Classification

2007-2012 Fastest Growing Occupations



Source: EMSI Complete Employment, March 2008

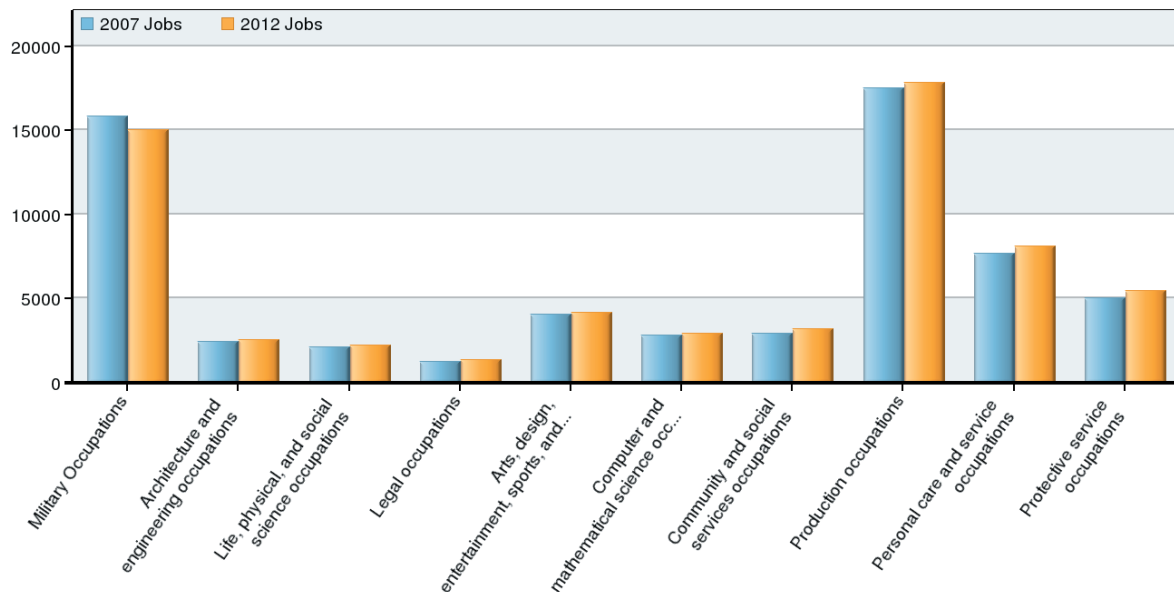
The Highest Ranking Occupations Table provides a view of the top occupations ranked by growth in the SOIC region from 2007-2012.

SOC ¹ Code	Description	2007 Jobs	2012 Jobs Projection	Job Growth	Job Growth %	2007 Avg Hourly Earnings/Worker
41-0000	Sales and related occupations	25,990	29,304	3,314	13%	\$9.91
43-0000	Office and administrative support occupations	38,659	40,705	2,046	5%	\$10.76
35-0000	Food preparation and serving related occupations	16,978	18,895	1,917	11%	\$7.13
37-0000	Building and grounds cleaning and maintenance occupations	10,852	12,248	1,396	13%	\$6.10
25-0000	Education, training, and library occupations	16,738	18,111	1,373	8%	\$16.89
29-0000	Healthcare practitioners and technical occupations	8,792	9,798	1,006	11%	\$20.45
11-0000	Management occupations	14,706	15,687	980	7%	\$18.70
13-0000	Business and financial operations occupations	8,879	9,749	870	10%	\$15.85
49-0000	Installation, maintenance, and repair occupations	12,215	13,082	867	7%	\$14.81
31-0000	Healthcare support occupations	5,465	6,143	678	12%	\$9.52

Source: EMSI Complete Employment, March 2008

¹SOC – Standard Occupation Classification

2007-2012 Slowest Growing Occupations



Source: EMSI Complete Employment, March 2008

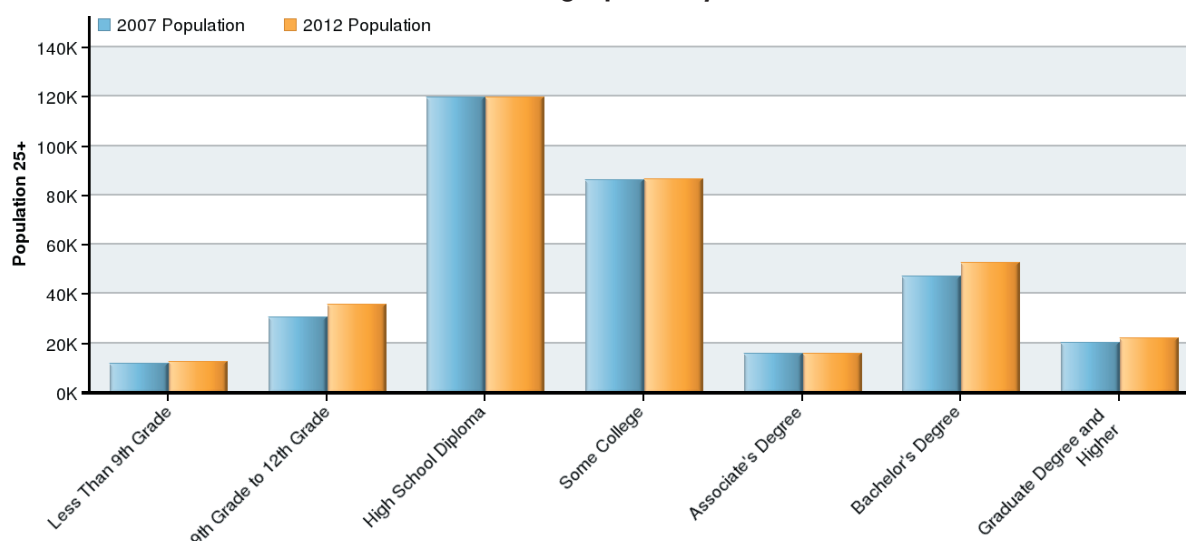
The Lowest Ranking Occupations Table ranks the bottom occupations by growth in the SOIC region from 2007-2012.

SOC ¹ Code	Description	2007 Jobs	2012 Jobs Projection	Job Growth	Job Growth %	2007 Avg Hourly Earnings/Worker
55-0000	Military Occupations	15,860	15,008	(852)	(5%)	\$20.10
17-0000	Architecture and engineering occupations	2,455	2,541	86	4%	\$24.32
19-0000	Life, physical, and social science occupations	2,120	2,215	95	5%	\$25.01
23-0000	Legal occupations	1,244	1,351	107	9%	\$18.99
27-0000	Arts, design, entertainment, sports, and media occupations	4,035	4,145	110	3%	\$9.66
15-0000	Computer and mathematical science occupations	2,787	2,923	135	5%	\$21.18
21-0000	Community and social services occupations	2,931	3,170	240	8%	\$10.78
51-0000	Production occupations	17,508	17,858	349	2%	\$14.46
39-0000	Personal care and service occupations	7,685	8,101	417	5%	\$5.45
33-0000	Protective service occupations	5,043	5,462	419	8%	\$11.53

Source: EMSI Complete Employment, March 2008

¹SOC – Standard Occupation Classification

Selected Demographics by Education Level



Source: EMSI Complete Employment, March 2008

The Current Educational Attainment and Projected Educational Attainment Tables provide a view of educational attainment by total population for the SOIC region, the state, and the nation. It is important to note that educational attainment is based on the education level of the population over the age of 25.

Current Educational Attainment

Education Level	SOIC 2007 Pop 25+	SOIC % of Pop 25+	State % Pop 25+	Nat. % Pop 25+
Less Than 9th Grade	11,606	4%	4%	5%
9th Grade to 12th Grade	30,403	9%	9%	9%
High School Diploma	119,792	36%	33%	29%
Some College	86,107	26%	25%	22%
Associate's Degree	16,019	5%	6%	6%
Bachelor's Degree	47,105	14%	16%	18%
Graduate Degree and Higher	20,186	6%	8%	10%
	331,219	100%	100%	100%

Source: EMSI Complete Employment, March 2008

Projected Educational Attainment

Education Level	SOIC 2012 Pop 25+	SOIC % of Pop 25+	State % Pop 25+	Nat. % Pop 25+
Less Than 9th Grade	12,631	4%	4%	5%
9th Grade to 12th Grade	35,667	10%	11%	9%
High School Diploma	119,775	35%	32%	28%
Some College	86,577	25%	24%	22%
Associate's Degree	16,012	5%	5%	6%
Bachelor's Degree	52,503	15%	16%	18%
Graduate Degree and Higher	22,143	6%	8%	11%
	345,308	100%	100%	100%

Source: EMSI Complete Employment, March 2008