

Compare Regions

Emsi Q4 2016 Data Set

December 2016

Upstate SC Alliance

PROVIDED BY



UpstateSCAlliance

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Parameters

Region

Code	Description	Level
12060	Atlanta-Sandy Springs-Roswell, GA	MSA
16740	Charlotte-Concord-Gastonia, NC-SC	MSA
16700	Charleston-North Charleston, SC	MSA
Group	Upstate, SC	FIPS

Industry

Code	Description	Level
31	Manufacturing	2

Occupation





Code	Description	Level
51-0000	Production Occupations	2

Timeframe

2012 - 2016

Datarun

2016.4 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors

	Atlanta-Sandy Springs-Roswell, GA	Charlotte-Concord-Gastonia, NC-SC	Upstate, SC	Charleston-North Charleston, SC
Regional Population (2016)				

Regional Overview

Population (2016)	5,787,745	2,463,469	1,437,615	757,942
Population Change %	+6%	+7%	+4%	+9%
Total Industry Jobs (2016)	3,490,744	1,466,873	774,412	454,284
Total Industry Jobs Change %	+12%	+13%	+10%	+13%
Current Average Earnings	\$55,287	\$55,571	\$45,719	\$48,390
COL Index	103.2	103.1	101.6	103.2
Bachelor's Degree +	1,338,681	517,546	234,797	165,714
GRP	\$304,682,030,241	\$131,749,099,517	\$55,888,979,904	\$33,175,369,125

Industry Overview

Manufacturing				
Jobs (2016)	175,719	110,870	106,611	28,507
Job Change %	+11%	+8%	+9%	+15%
Earnings (2016)	\$77,428	\$69,770	\$68,197	\$83,835
COL Adjusted Earnings	\$75,173	\$67,738	\$66,860	\$81,393
Jobs LQ (2016)	0.74	1.11	2.01	0.92
Competitive Effect	9,970	4,010	4,904	2,579
% Demand met in-region	30.4%	32.5%	32.3%	23.0%
Ethnic Diversity %	40.3%	31.2%	31.3%	31.4%

Workforce Overview

Production Occupations				
Jobs (2016)	154,230	85,514	89,758	21,501
Job Change %	+13%	+9%	+11%	+12%
2016 Jobs LQ	0.86	1.13	2.24	0.92
Median Hourly Earnings	\$14.95	\$16.25	\$16.36	\$19.34
Annual Openings	37,573	19,937	21,278	5,470
Avg. Monthly Unique Postings (2016)	2,306	1,379	1,028	339
Avg. Monthly Hires (2016)	9,580	4,705	4,795	916
Ethnic Diversity %	48.7%	36.3%	36.2%	37.3%

Appendix A - Data Sources and Calculations

Cost of Living Data

Emsi cost of living data is based on the Cost of Living Index published quarterly by the Council for Community and Economic Research (C2ER).

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.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

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.

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.

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.

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.

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.

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.

State Data Sources

This report uses state data from the following agencies: Georgia Department of Labor, Workforce Information and Analysis, Occupational Information Services Unit; North Carolina Department of Commerce, Labor and Economic Analysis Division; South Carolina Employment Security Commission, Labor Market Information Department