

## REGIONAL SNAPSHOT

**Industry Cluster Analysis** 

Crossing Borders Region (CBR), Oklahoma





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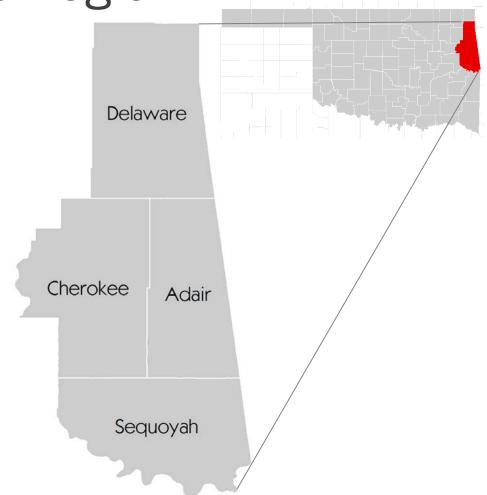
# 01 overview

#### **Overview**

Crossing Borders Region

The Crossing Borders Region is comprised of four Oklahoma counties. I-40 passes through the southern part of the region connecting to I-44 to the west.

- Adair
- Cherokee
- Delaware
- Sequoyah



# lndustry cluster analysis

**Crossing Borders Region, OK** 

#### **Industry cluster analysis**

## How to interpret cluster data results

The graph's four quadrants tell a different story for each cluster.

Contains clusters that are more concentrated in the region but are declining (negative growth).

These clusters typically fall into the lower quadrant as job losses cause a decline in concentration.

#### **Mature**

Top left (strong but declining)

#### **Stars**

Top right (strong and advancing)

Contains clusters that are more concentrated in the region and are growing. These clusters are strengths that help a region stand out from the competition. Small, high-growth clusters can be expected to become more dominant over time.

Contains clusters that are under-represented in the region (low concentration) and are also losing jobs.
Clusters in this region may indicate a gap in the workforce pipeline if local industries anticipate a future need. In general, clusters in this quadrant show a lack of competitiveness.

#### **Transforming**

Bottom left (weak and declining)

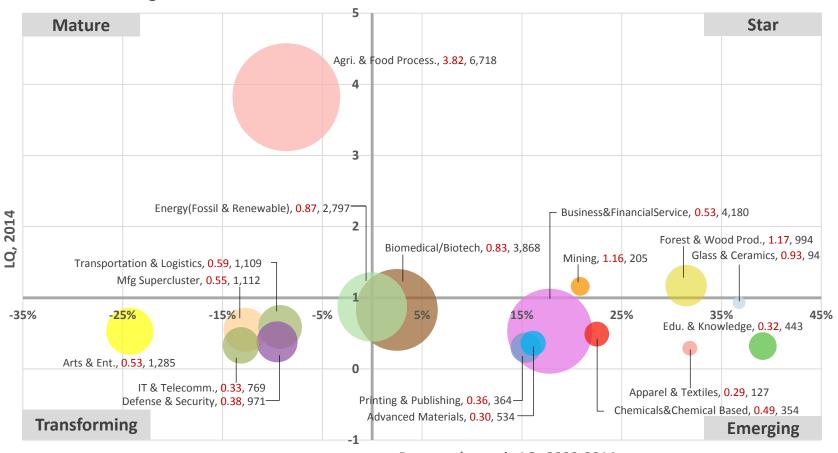
### **Emerging**

Bottom right (weak but advancing)

Contains clusters that are under-represented in the region but are growing, often quickly. If growth trends continue, these clusters will eventually move into the top right quadrant. Clusters in this quadrant are considered emerging strengths for the region.

#### **Industry and occupation**

## Industry cluster bubble chart

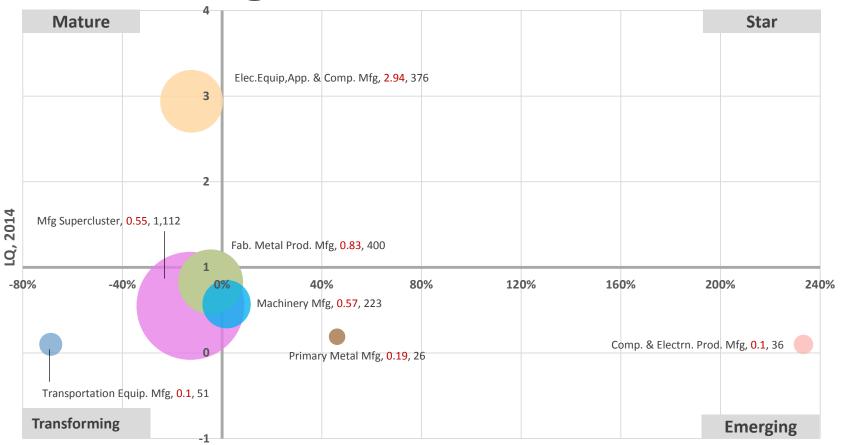


Percent change in LQ, 2009-2014

Note: Label includes cluster name, LQ in 2014, and Employment in 2014

#### **Industry and occupation**

## Manufacturing sub-cluster bubble chart



Percent change in LQ, 2009-2014

Notes: 1 - Primary Metal Manufacturing, Computer & Electronic Product Manufacturing and Transportation Equipment Manufacturing subclusters have too few jobs.

2 - Label includes cluster name, LQ in 2014, and Employment in 2014

#### **Industry cluster analysis**

#### **Mature Clusters**

Agribusiness, Food Processing & Tech (3.82; 6,718)

Elect. Equip., App. & Component Mfg. (2.94; 376)

Level of Specialization

#### **Star Clusters**

Forest & Wood Products (1.17; 994)

Mining (1.16; 205)

#### **Percent Growth in Specialization**

#### **Transforming Clusters**

Energy(Fossil & Renewable) (0.87; 2,797)

Fabricated Metal Product Mfg. (0.83; 400)

Transportation & Logistics (0.59; 1,109)

Manufacturing Supercluster (0.55; 1,112)

Arts, Ent, Rec. & Visitor Industries (0.53; 1,285)

Defense & Security (0.38; 971)

Information Technology & Telecom. (0.33; 769)

Transportation Equipment Mfg. (0.1; 51)

#### **Emerging Clusters**

Glass & Ceramics (0.93; 94)

Biomed/Biotechnical (Life Science) (0.83; 3,868)

Machinery Manufacturing (0.57; 223)

Business & Financial Services (0.53; 4,180)

Chemicals & Chemical Based Prod (0.49; 354)

Printing & Publishing (0.36; 364)

Education & Knowledge Creation (0.32; 443)

Advanced Materials (0.30; 534)

Apparel & Textiles (0.29; 127)

Primary Metal Manufacturing (0.19; 26)

Computer & Electronic Product Mfg. (0.1; 36)

Note: Primary Metal Manufacturing, Computer & Electronic Product Manufacturing and Transportation Equipment Manufacturing subclusters have too few jobs.

#### section 02

#### **Industry and occupation**

## Bubble chart interpretation

#### **Mature Industries**

Two industry clusters in the Crossing Borders Region are in the Maturing stage: Agribusiness, Food Processing & Technology; Electric Equipment, App. & Component Mfg. These industries are relatively concentrated, but their growth is trending downward. It is worth noting, however, that the Crossing Borders Region may find it worthwhile to invest in efforts to shore up the concentration of these industries.

#### **Transforming Industries**

Transforming clusters capture the mix of industries that are experiencing relative decline and limited export capability. In the Crossing Borders Region, Energy (Fossil & Renewable); Fabricated Metal Product Mfg.; Transportation & Logistics; Manufacturing Supercluster; Arts, Ent., Rec. & Visitor Industries; Defense & Security; Information Technology & Telecom.; Transportation Equipment Mfg., are all Transforming clusters. Any amount of growth in these industries would require relatively large investments.

#### **Star Industries**

Star industry clusters are highly concentrated, exporting and still experiencing growth in the region. The only two Star industry clusters in the Crossing Borders Region are Forest & Wood Products and Mining. Their location quotient is 1.17 and 1.16 respectively, indicating that the clusters are a little more concentrated in the region compared to the U.S.

#### **Emerging Industries**

Industry clusters that may be poised for future growth are classified as "Emerging." There are eleven Emerging clusters in total in the Crossing Borders Region. Top five are Glass & Ceramics; Biomed/Biotechnical (Life Science); Machinery Manufacturing; Business & Financial Services; Chemicals & Chemical Based Products. Others are Printing & Publishing; Education & Knowledge; Advanced Materials; Apparel & Textiles; Primary Metal Mfg.; and Computer & Electronic Product Mfg.