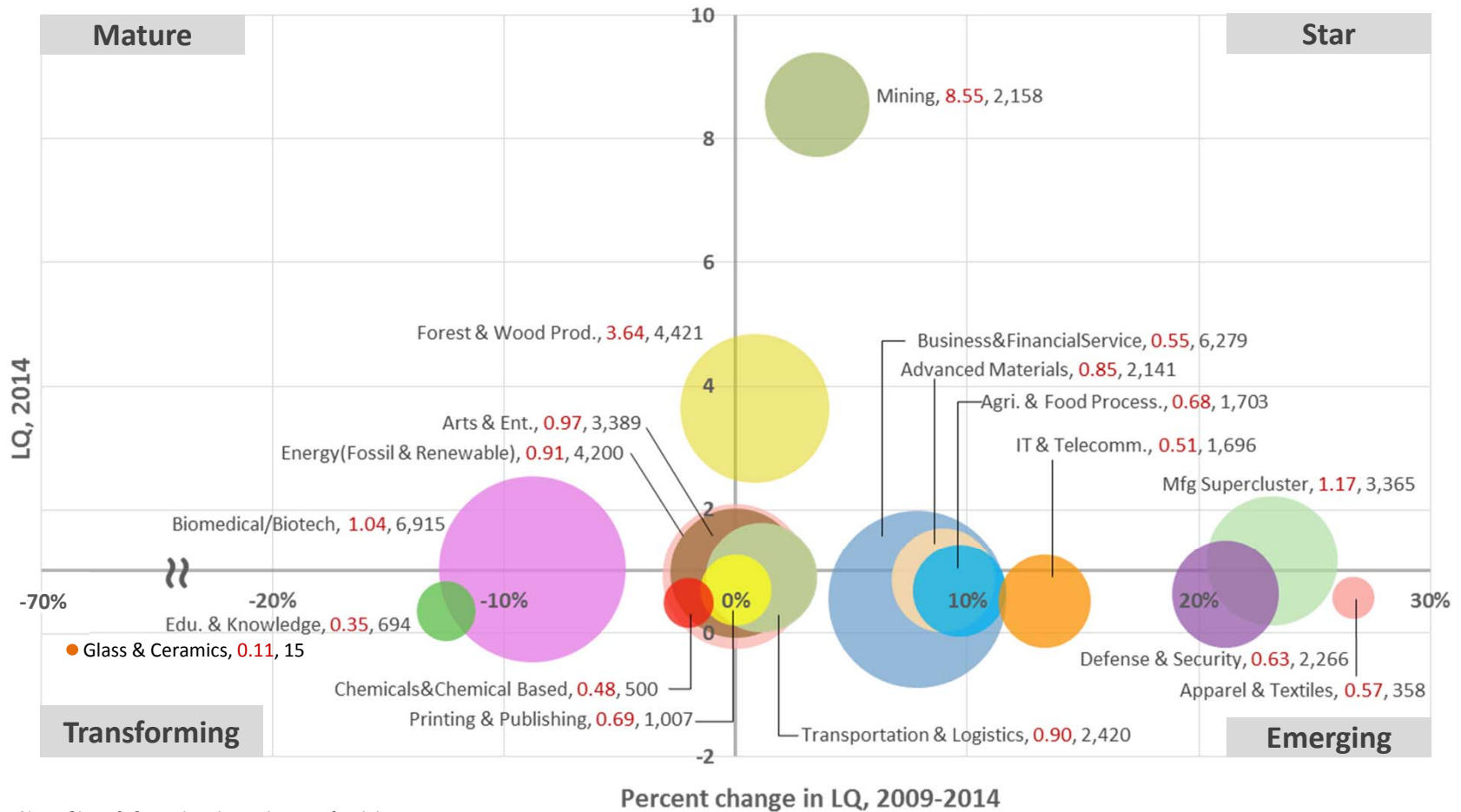


03 Industry cluster analysis

Central Upper Peninsula
Planning and Development
Region, MI

Industry and occupation

Industry cluster bubble chart



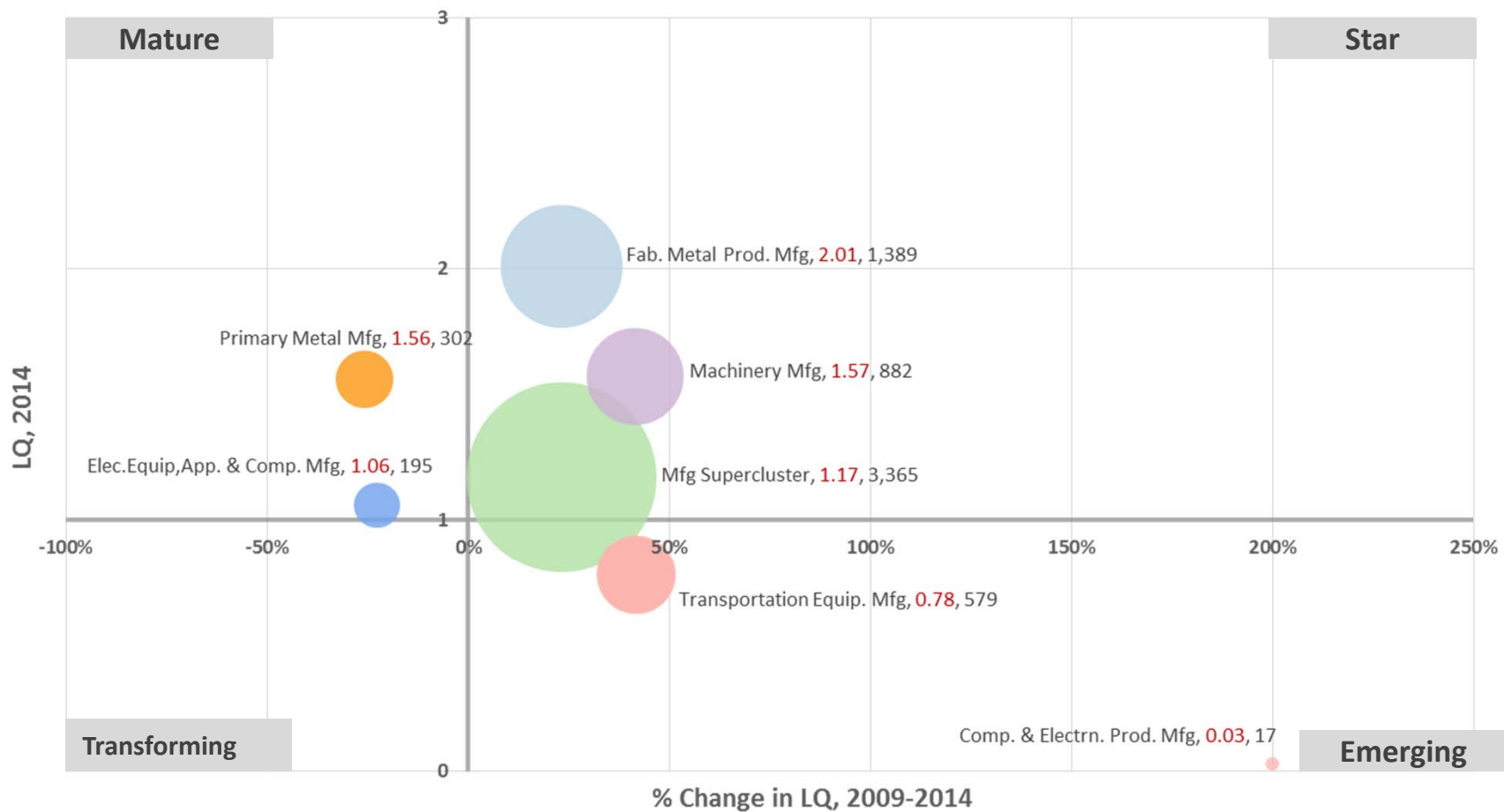
Note: Glass & Ceramics cluster has too few jobs.

section 03

Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).
 Note: Label includes cluster name, LQ 2014, and Employment 2014; NAICS 2012 definitions

Industry and occupation

Manufacturing sub-cluster bubble chart



Note: Computer & Electronic Product Manufacturing sub-cluster has too few jobs.

section 03

Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).

Note: Label includes cluster name, LQ 2014, and Employment 2014; NAICS 2012 definition

Industry and occupation

Bubble chart interpretation

Mature Industries

Three industry clusters in the Central Upper Peninsula Planning and Development Region are in the Maturing stage: Primary Metal Mfg., Biomedical/ Biotechnical (Life Sciences), Electrical Equipment, Appliance & Component Mfg. These industries are relatively concentrated, but their growth is trending downward. It is worth noting, however, that the Central Upper Peninsula Planning and Development 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 Central Upper Peninsula Planning and Development Region, Arts, Ent., Rec. & Visitor Industries; Printing & Publishing; Chemicals & Chemical Based Products; Energy; Education & Knowledge Creation and Glass & Ceramics 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 most highly concentrated of the Star industry clusters in the Central Upper Peninsula Planning and Development Region is Mining. Its location quotient is 8.55, indicating that the cluster is 8 times more concentrated in the region compared to the U.S. The other strong clusters in the region are Fabricated Metal Product Mfg.; Manufacturing Supercluster; Forest & Wood Products; and Machinery Manufacturing.

Emerging Industries

Industry clusters that may be poised for future growth are classified as “Emerging.” There are nine Emerging clusters in total in the Central Upper Peninsula Planning and Development Region. Top five are Transportation & Logistics; Advanced Materials; Transportation Equipment Mfg.; Agribusiness, Food Processing & Technology; and Defense & Security. Other clusters include Apparel & Textiles; Business & Financial Services; IT & Telecomm.; and Computer & Elec. Prod. Mfg.

section 03