

MSA Variables Documentation

The Kenan Institute Entrepreneurship Database's MSA variables use two different definitions, (1) 2009 OMB metropolitan area definitions or (2) 2013 OMB metropolitan area definitions, depending on the original data source. Differences between the definitions include adding new metropolitan areas with new identifiers, removing old metropolitan areas, updating metropolitan area names, and changing counties within the metropolitan area boundary.

The database uses the region code and area name of 2013 MSA definitions and includes old metropolitan areas removed from 2013 definitions. There are total 381 MSAs in 2013 definitions and 366 MSAs in 2009 definitions. 14 old MSAs are removed from 2013 definitions and 29 new MSAs are added in 2013 definitions. For variables using 2013 definitions, values of old metropolitan areas are null; for variables using 2009 definitions, values of new metropolitan areas are null. In the case of updating metropolitan area names from 2009 definitions to 2013 definitions, we use the names in 2013 definitions for variables using 2009 definitions.

Users are strongly encouraged to refer to OMB Bulletins, "[OMB BULLETIN NO. 10-02](#)" and "[OMB BULLETIN NO. 13-01](#)" for details. We also provide a lookup table "lookup_table_for_2009_and_2013_codes" amended from a file from Federal Housing Finance Agency (FHFA) comparing differences of definitions.

For questions about the database please contact researchservices@kenan-flagler.unc.edu with the subject line: Entrepreneurship Database Question.

Variable List

Variables with 2009 OMB metropolitan area definitions:

- Count of New Firms
- Count of New Establishments
- Job Creation
- Startups 2-Year Survival Rate
- Startups 3-Year Survival Rate
- Startups 5-Year Survival Rate
- Number of Young Firms
- Number of Employees for Young Firms
- Annual Payroll for Young Firms
- Number of American Indian and Alaska Native-owned Young Firms
- Number of Employees for American Indian and Alaska Native-owned Young Firms
- Annual Payroll for American Indian and Alaska Native-owned Young Firms
- Number of Asian-owned Young Firms
- Number of Employees for Asian-owned Young Firms
- Annual Payroll for Asian-owned Young Firms

- Number of Black or African American-owned Young Firms
- Number of Employees for Black or African American-owned Young Firms
- Annual Payroll for Black or African American-owned Young Firms
- Number of Female-owned Young Firms
- Number of Employees for Female-owned Young Firms
- Annual Payroll for Female-owned Young Firms
- Number of Veteran-owned Young Firms
- Number of Employees for Veteran-owned Young Firms
- Annual Payroll for Veteran-owned Young Firms
- Startup Density
- Rate of New Entrepreneurs
- Opportunity Share of New Entrepreneurs

Variables with 2013 OMB metropolitan area definitions:

- GDP
- GDP per capita
- Annual Wage
- Innovation Rate
- Population Density
- Population by Age - 0 to 4
- Population by Age - 5 to 17
- Population by Age - 18 to 24
- Population by Age - 25 to 44
- Population by Age - 45 to 64
- Population by Age - 65 and Older
- Net International Migration
- Net Domestic Migration
- Poverty Rate
- Employment Cluster Strength
- Manufacturing Intensity Rate
- Average Firm Size
- Venture Capital Dollars per \$10,000 GDP
- Patent Count