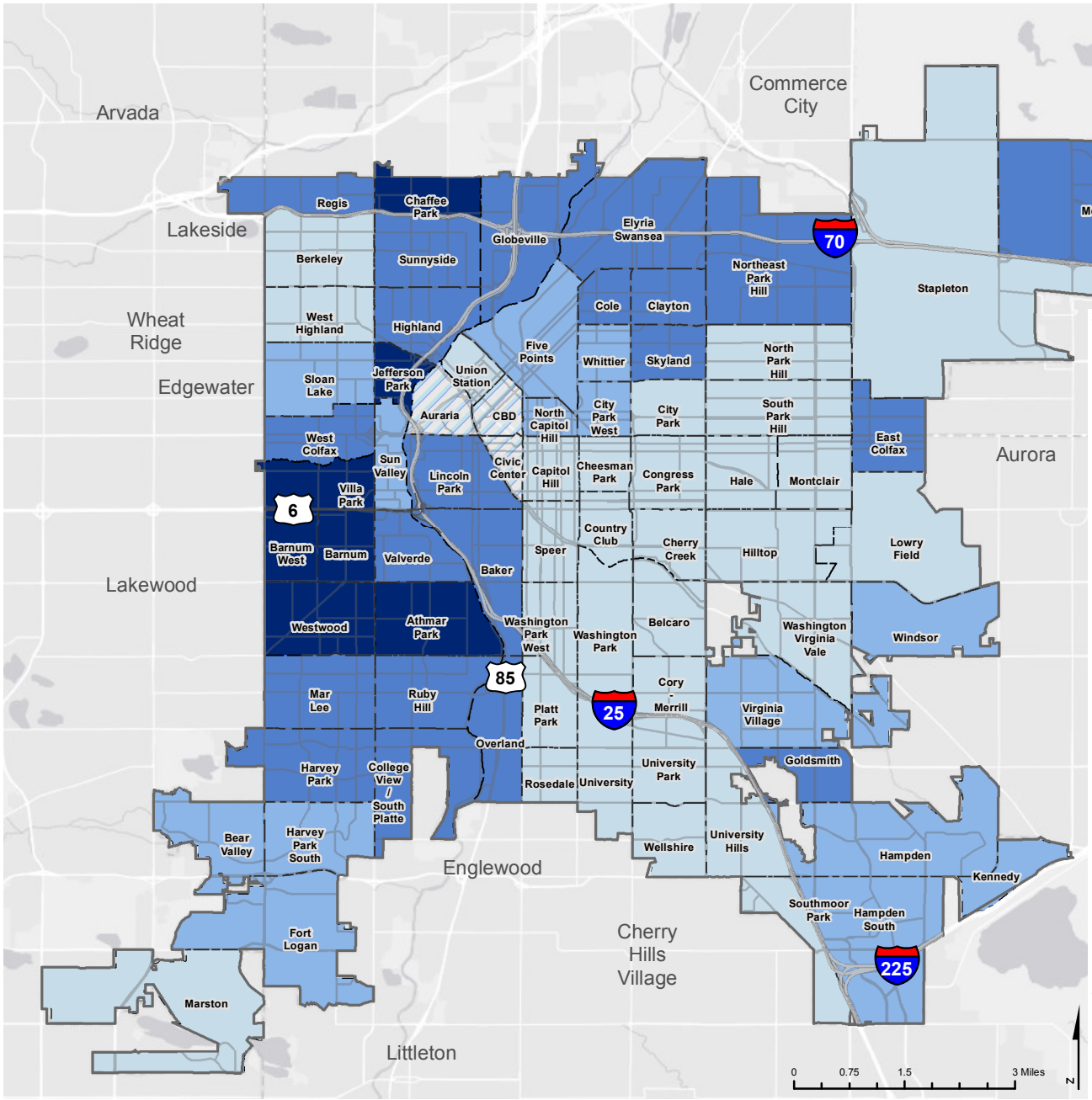
Estimated Prevalence of Children and Youth with Obesity (2014-2016): City and County of Denver



This map displays the percentage of children and youth 2-17 years of age with obesity, by neighborhood, based upon body mass index (BMI) measurements contributed to the Colorado BMI Monitoring System from multiple health care organizations. BMI was calculated from height and weight and plotted on the Centers for Disease Control and Prevention (CDC) male or female BMI-for-age growth chart to determine a percentile. Obesity was defined as a BMI at the 95th percentile or higher. The percentage with obesity was calculated for each neighborhood by dividing the number of children and youth with a BMI at the 95th percentile or higher by the total number of valid BMI measurements available in that neighborhood. These data are comprised of children and youth 2-17 years of age who reside in the City and County of Denver. The total number of children and youth represented with valid BMI measurements is 89,264, or 66% of the total children and youth population of 135,893, as reported from the 5-year American Community Survey (2011-2015). Neighborhoods were designated as having insufficient data for display if: 1) the total population was fewer than 50 individuals; or 2) fewer than 50 valid BMI measurements were available; or 3) coverage was less than 20% of the population 2-17 years of age. Missing race/ethnicity data were imputed using hot decking based on neighborhood, gender and age classes. A direct adjustment was applied based on gender, race/ethnicity and age to prevalence estimates. Raking, an iterative method of marginal weight adjustment, was used in each neighborhood to create sample weights used in direct adjustment estimates.

Denver County Average 14%

- 2% - < 10%
- 10% - < 15%
- 15% - < 20%
- 20% - 23%

Range: 2% - 23%

- Insufficient Data
- Neighborhood Boundary
- County Boundary
- Freeways
- Major Roads

To request additional maps and/or aggregated data tables, please contact COBMIMonitoringProject@gmail.com

BMI Data Contributors: Children's Hospital Colorado, Denver Health, High Plains Community Health Center, Kaiser Permanente Colorado, Metro Community Provider Network, and Salud Family Health Centers

Population and Demographic Data Provided by the 5-Year American Community Survey (2011-2015), U.S. Census
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The Colorado Department of Public Health and Environment provides data hosting and cartographic services for the Colorado BMI Monitoring System.