



DENVER
THE MILE HIGH CITY

Denver Environmental Health

Neighborhood Level Data and Mapping Resources

Prepared by:

Gretchen Armijo and Michele Shimomura

Community Health – Planning & Assessment Division

April 26, 2017

- More data-driven decision making
- Add ‘health to all policies’
 - GO Bond
 - Denveright Plans
 - Vision Zero
 - NDCC Master Mobility Plan
 - Ultra-Urban Green Infrastructure guidelines
 - RTD Affordable Fares Pilot Program
- Consider equity in City policies, plans, projects

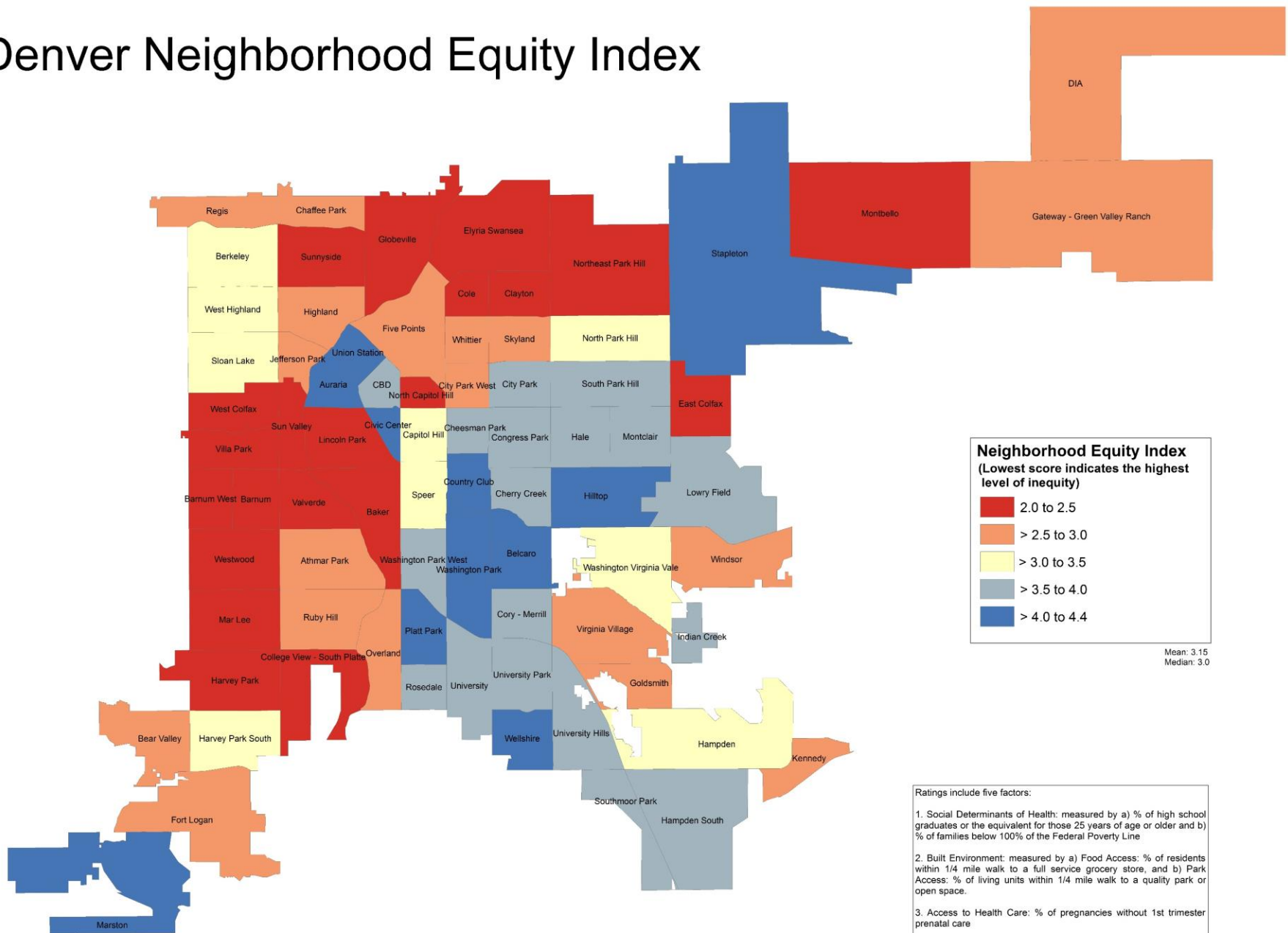
Data and mapping resources include:

- [Neighborhood Equity Index](#)
- [Heat Vulnerability Index](#)
- Custom data mapping:
 - [MY Denver Card Bike Academy prioritization](#)

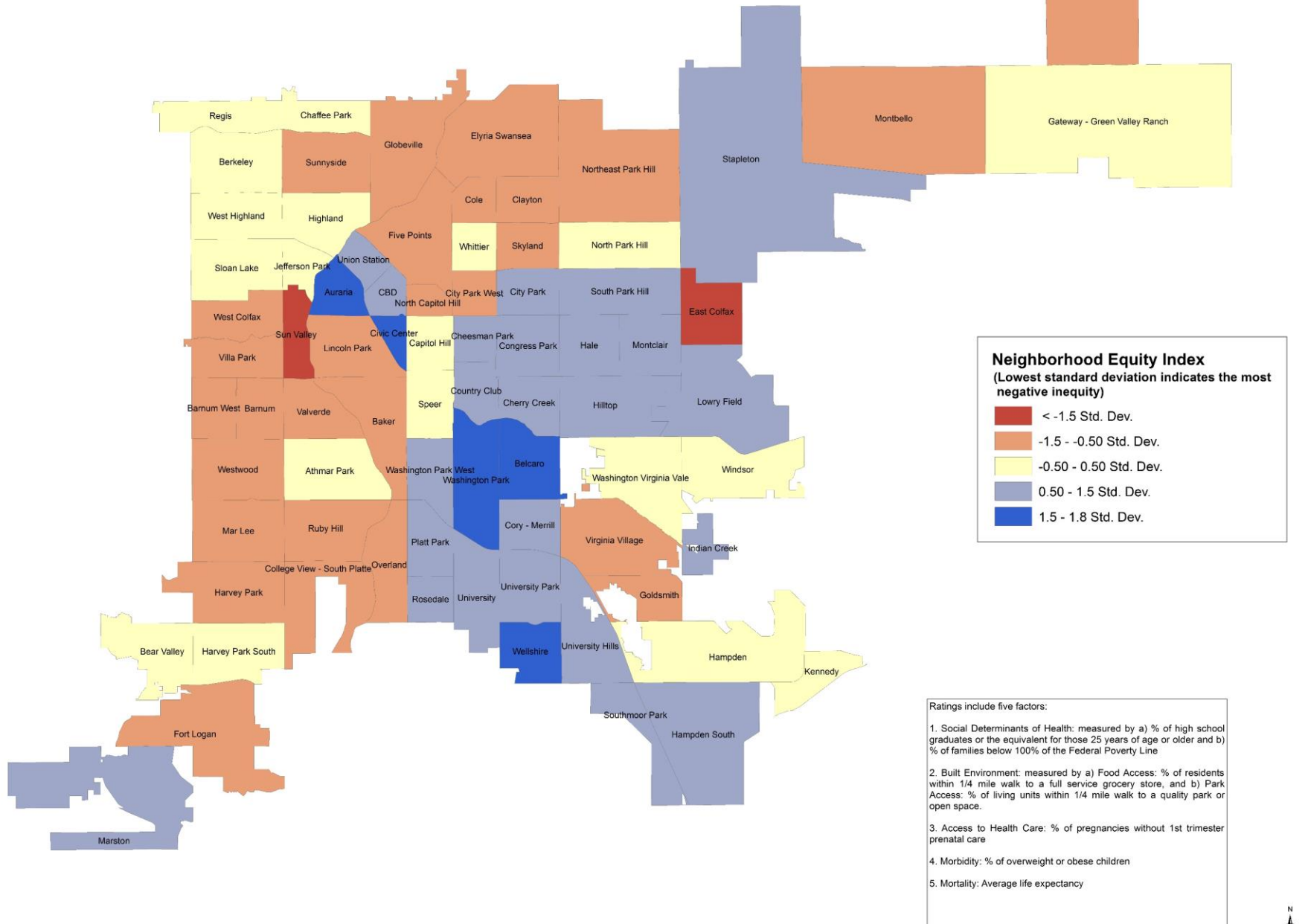
Next steps:

- More maps and data on DEH website:
 - Health status
 - Access to health care
 - Built environment indicators
 - Safe Routes to School
 - Healthy food sources
 - Socioeconomic, demographic analysis
 - Equity indicators and analysis
- Publicly accessible, self-service, empowers communities
- Please use us as a resource for nonbiased health and equity data and analysis; we are your official City Health Department!

Denver Neighborhood Equity Index



Denver Neighborhood Equity Index



Heat Vulnerability in Denver

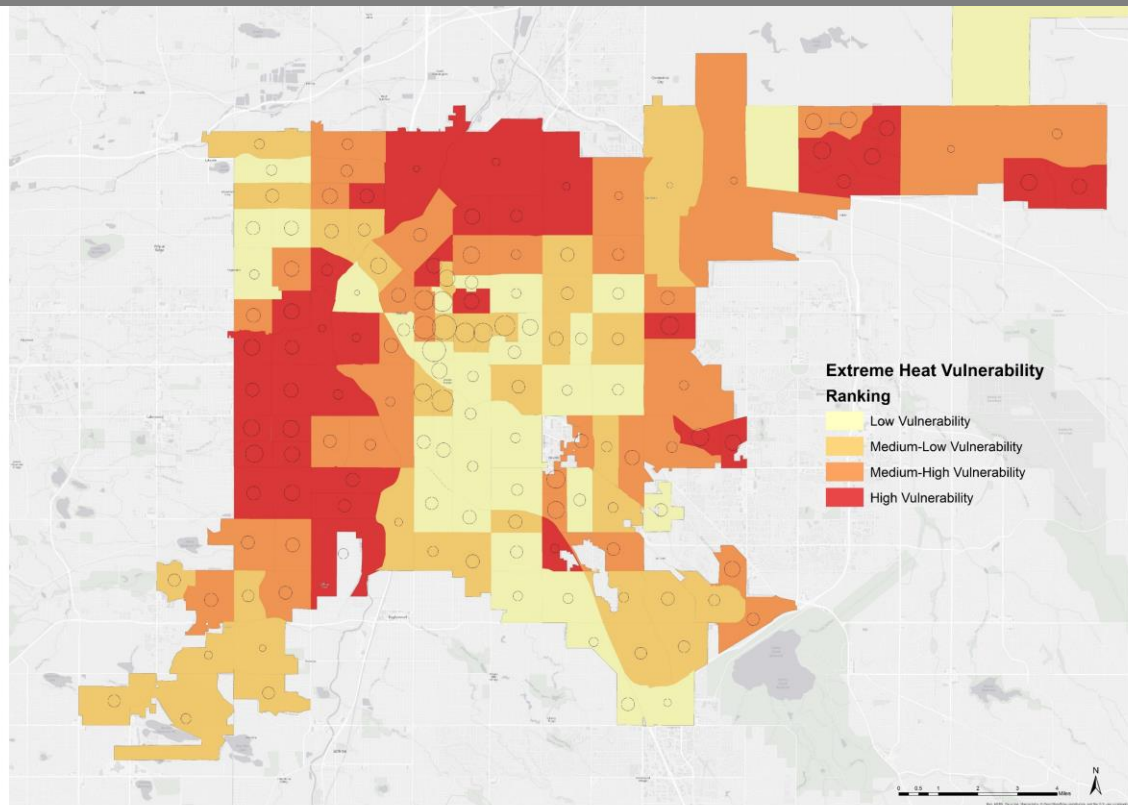
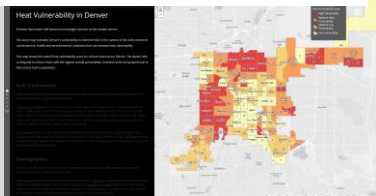
Extreme Heat Vulnerability Index

Extreme heat events will become increasingly common as the climate warms.

This map is part of an online story map that evaluates Denver's vulnerability to extreme heat in the context of the interconnected socioeconomic, health and environmental conditions that can increase heat vulnerability.

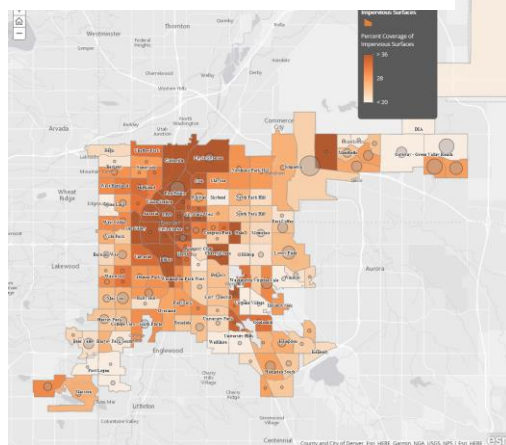
This map shows the overall heat vulnerability score for census tracts across Denver. The darker reds correspond to census tracts with the highest overall vulnerability. Overlaid circles are proportional to that census tract's population.

These maps and analysis are part of an online ArcGIS Story Map from Denver Environmental Health. This work is a partnership between the Environmental Quality and Community Health Divisions.

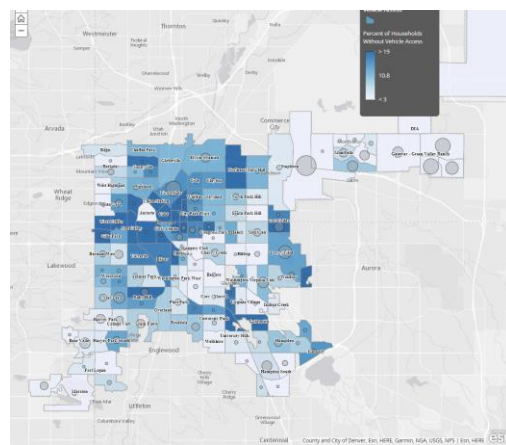


Factors of Extreme Heat Vulnerability

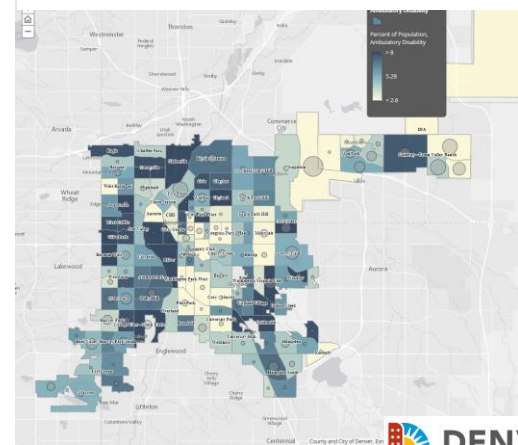
→ Built Environment such as impervious surfaces and tree canopy

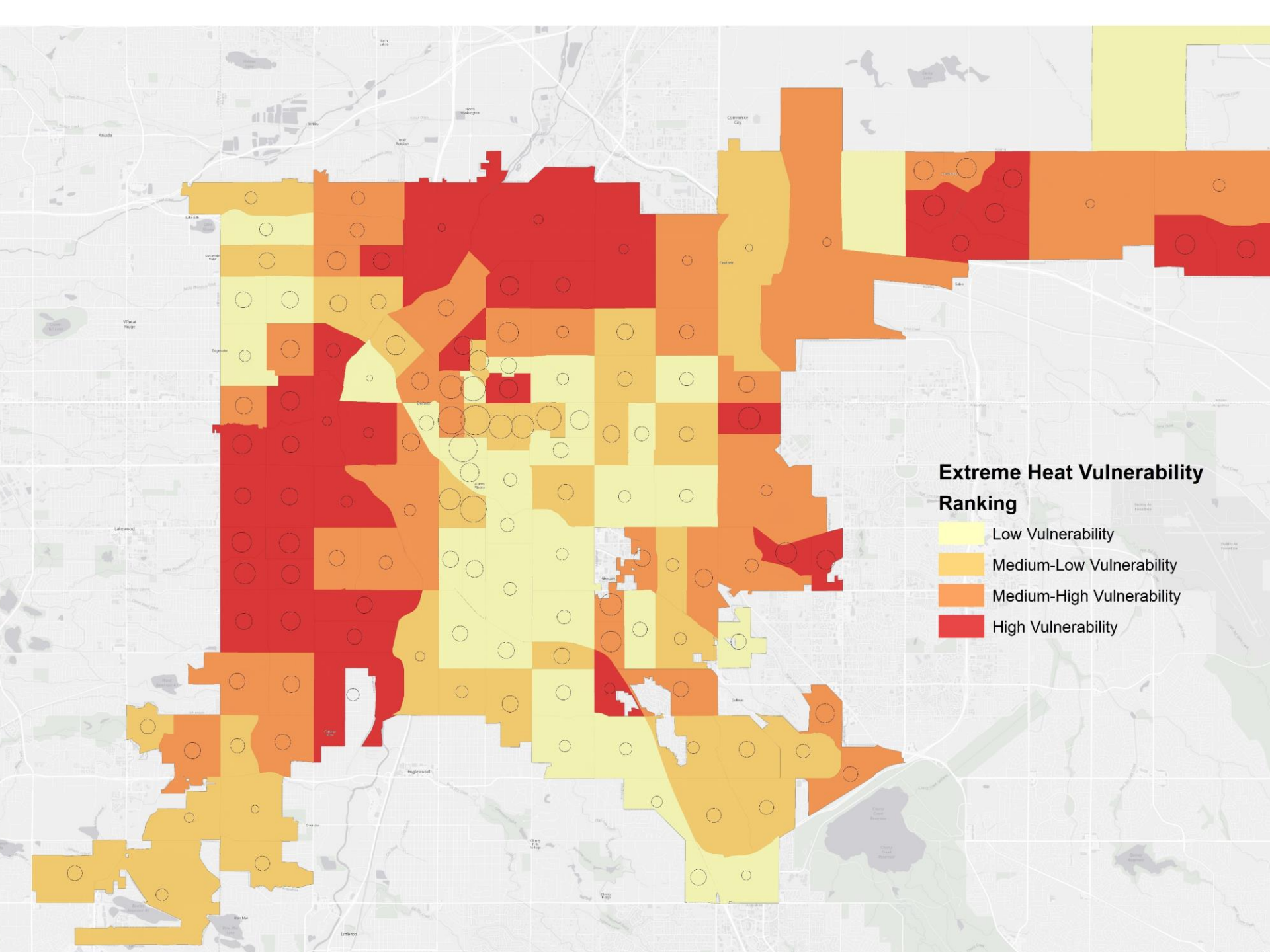


→ Demographics such as age, poverty, vehicle access, household isolation



→ Health such as diabetes, cognitive and ambulatory disabilities

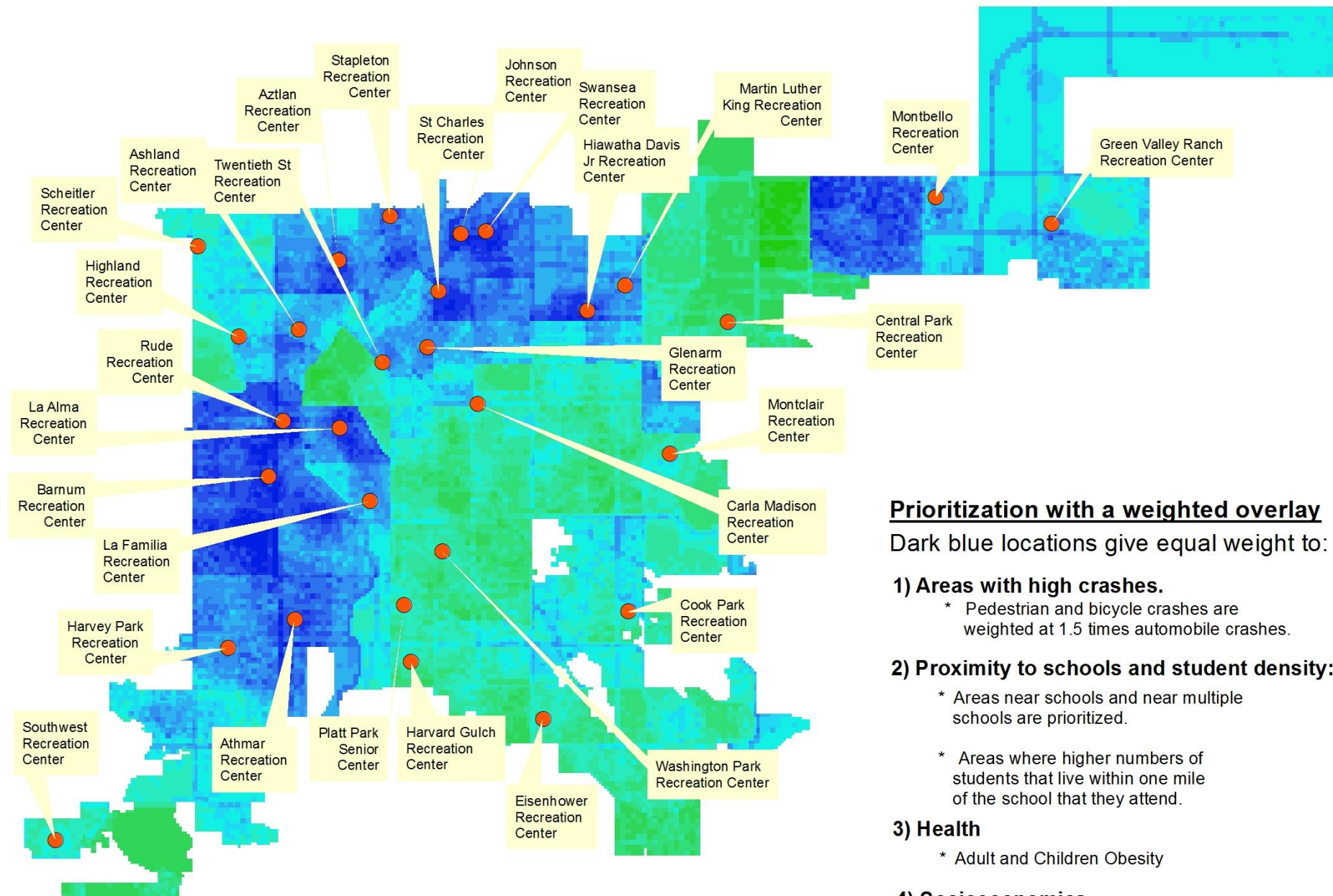




Extreme Heat Vulnerability Ranking

- Low Vulnerability
- Medium-Low Vulnerability
- Medium-High Vulnerability
- High Vulnerability

Recreation Center -Prioritization (safety, children, health, and socioeconomics)



Prioritization with a weighted overlay

Dark blue locations give equal weight to:

1) Areas with high crashes.

- * Pedestrian and bicycle crashes are weighted at 1.5 times automobile crashes.

2) Proximity to schools and student density:

- * Areas near schools and near multiple schools are prioritized.
- * Areas where higher numbers of students that live within one mile of the school that they attend.

3) Health

- * Adult and Children Obesity

4) Socioeconomics

- * High School Graduation
- * Poverty