COLORADO ENERGY FOUNDATION

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Welcome to the Colorado Disproportionate Impact (CODI) Indicator

The CODI Indicator is intended to provide users – public agencies, nonprofits, or philanthropic partners– with data that draws from multiple areas reflecting social, economic and environmental stressors in any given community. Unlike other data resources, the strength of the CODI Indicator is the breadth and depth of the data because it draws from multiple data sources and allows users to better find and prioritize:

- Communities that are in greatest relative need; and
- Specific funding or programmatic resources that are more tailored to the needs of that specific community.

While there are other ways this data can be used, such as for communications and messaging around community needs, relationship building with stakeholders and policy development, the core purpose of the CODI Indicator is to inform the investment of resources in a manner that maximizes impact and ensures that resources are directed to the most urgent needs of any given community.

The Colorado Disproportionate Impact (CODI) indicator model identifies disproportionately impacted communities and further explores the relative contribution of 12 dimensions on the community score.

Throughout the site, the higher the score on the overall index and on any sub-scores, the more disproportionately impacted the community.

0.54 Overall Index | 1.30 Healthcare Index

Higher scores represent higher disproportionate impact in the community

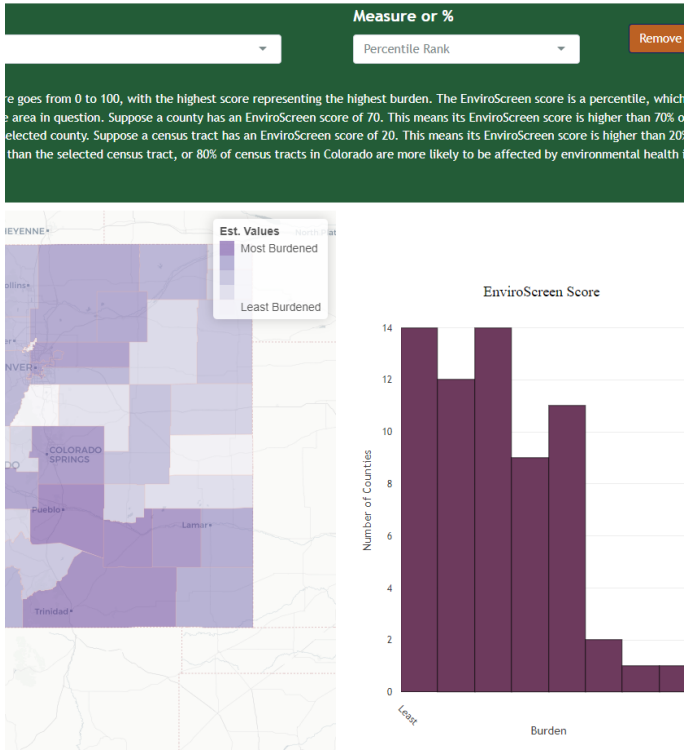
-0.45 Overall Index | -0.71 Economic Index

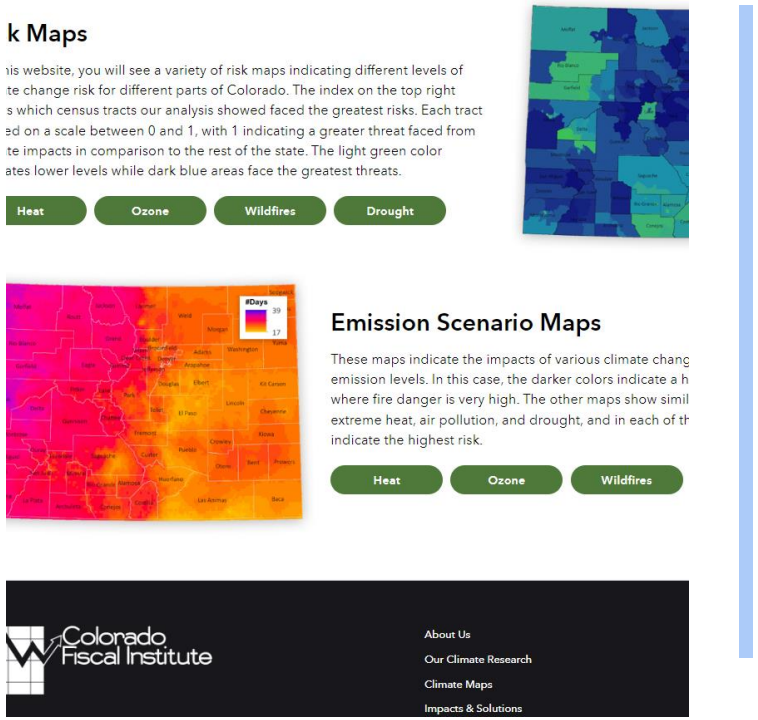
Lower scores represent lower disproportionate impact in the community

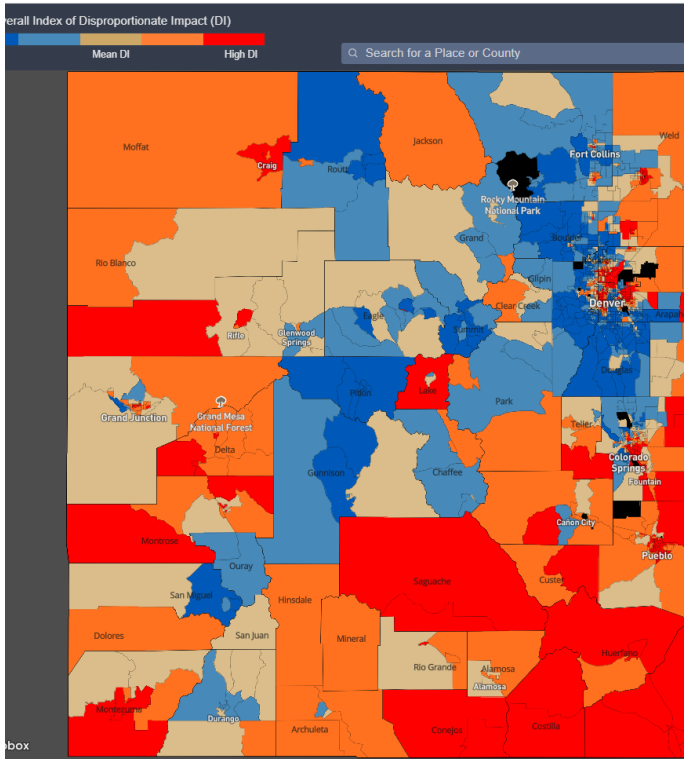
Read the Documentation | Proceed to CODI Indicator

Introducing CODI

DECEMBER 13, 2023







Complementary applications

Taskforce representation

Food	Housing	Early childhood	Energy
General human service	Older adults	Faith community	Workforce

Social

Economic

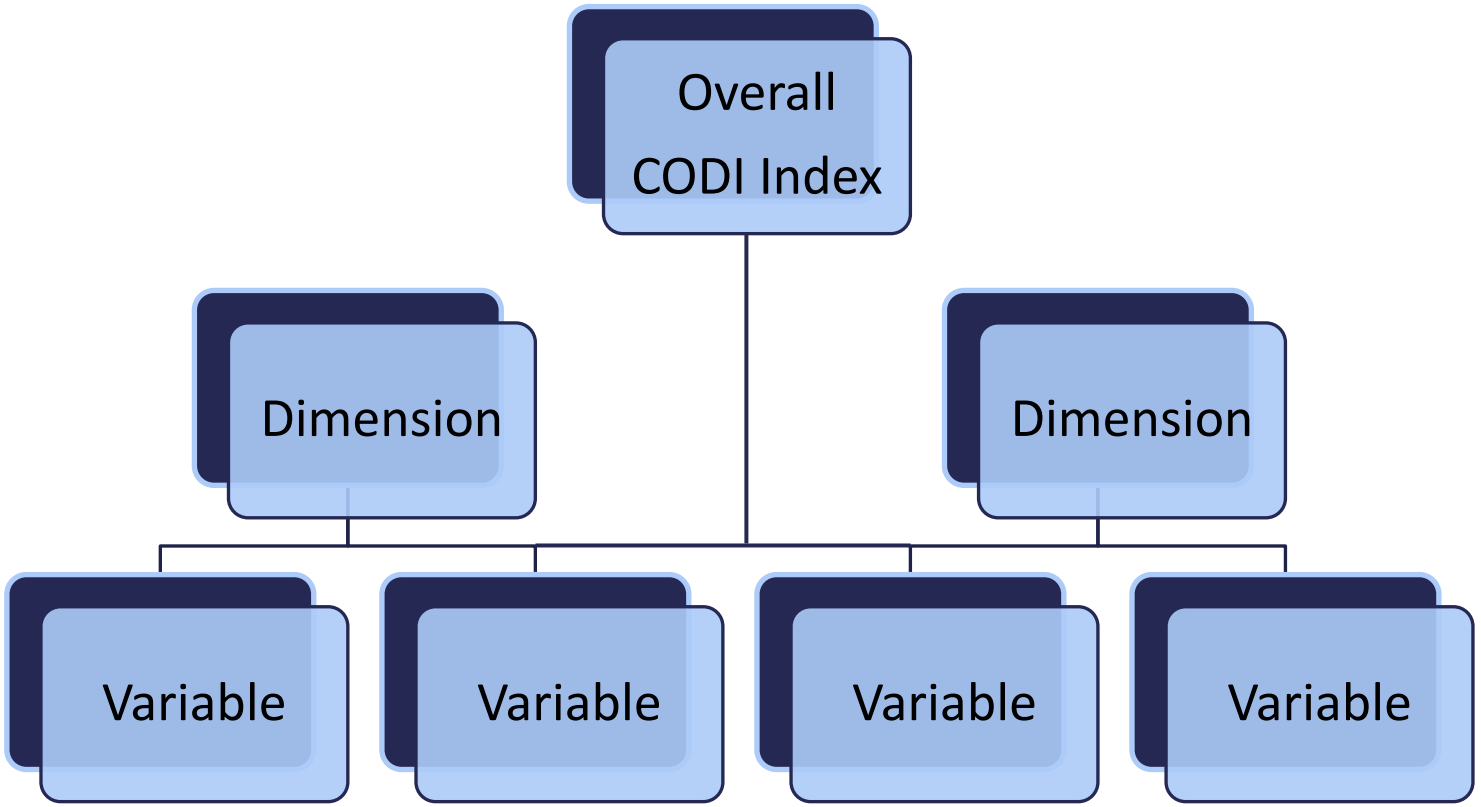
Environmental/Health

CODI incorporates a broader definition of disproportionate impact

Dimensions in CODI model

Classroom	ECE	Health Care	Household
Economic	Environment	Employment & Workforce Readiness	Housing
Food	Health	Social	Transportation

CFC modeling approach



Comparisons can be made at any level of the model: Overall CODI Index, Dimension, Variable.

Model built at the Census Tract level of geography.

Constructing the CODI index

All variables are converted into standard scores – stated as standard deviations from the mean

This allows for comparisons of variables and for combination of variables into index scores

Index scores created by the simple arithmetic average of the standard scores

CODI variables then combined into an overall CODI index and scores for each of the dimensions

Demographic variables

- Total population
- Share BIPOC
- Share over 65
- Share under 18

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Interpreting the findings

This model is measuring Disproportionate Impact

It is a Deficit-Based model

Higher Scores are more Challenged

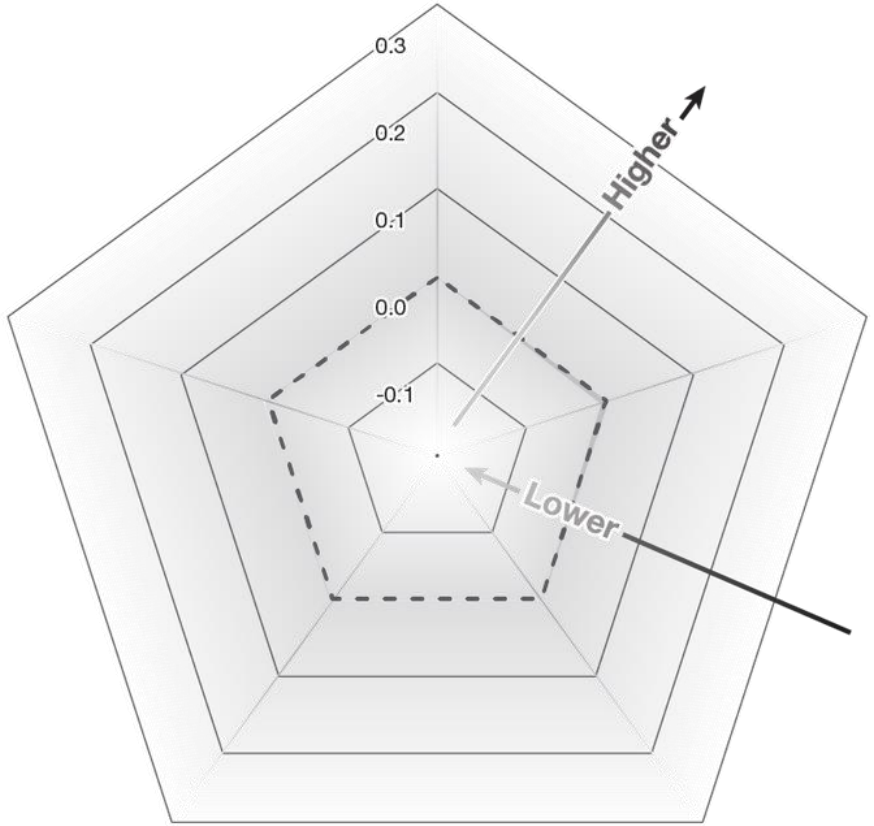
Reading radar graphs

The 0.0 contour is the mean – the state average

The contours are scaled as standard deviations above or below the state average

Points outside the 0.0 contour identify scores higher than the state average and inside the 0.0 contour identify cohort scores lower than the state average

Since CODI measures deficits, the further out on the graph, the more disproportionally impacted



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CODI Demo

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Overall Index	Healthcare Index

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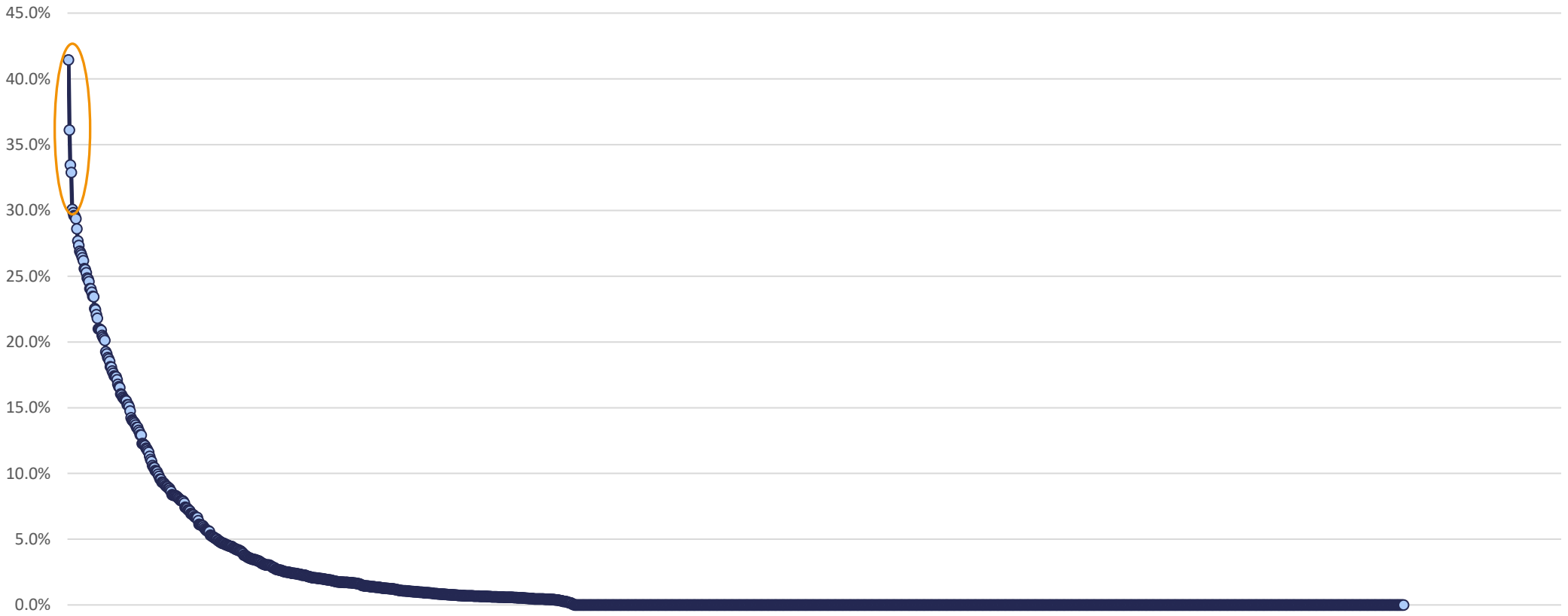
SAMPLE USE CASES

Energy
Food
Needs assessments

Sample use case #1: Wood burning as energy

Distribution of Colorado reliance on wood as primary heating fuel



Source: American Community Survey

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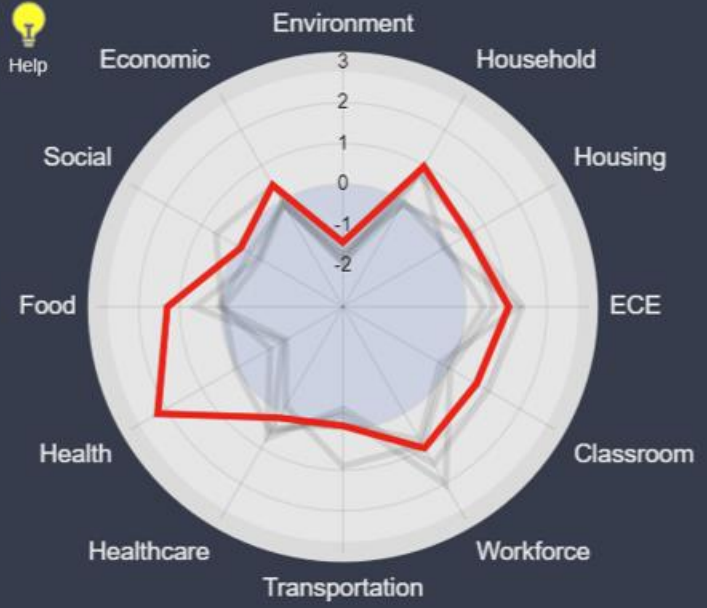

0.62

Overall Index

Demographic Variables	
Total Population:	1,892
Population Under 18:	19.77%
Population 65 and Older:	24.21%
Black, Indigenous, and Other People of Color:	55.29%

Overall Index of Disproportionate Impact (DI)

Low DI | Mean DI | High DI

Costilla County
Tract 9726

Search for a Place or County

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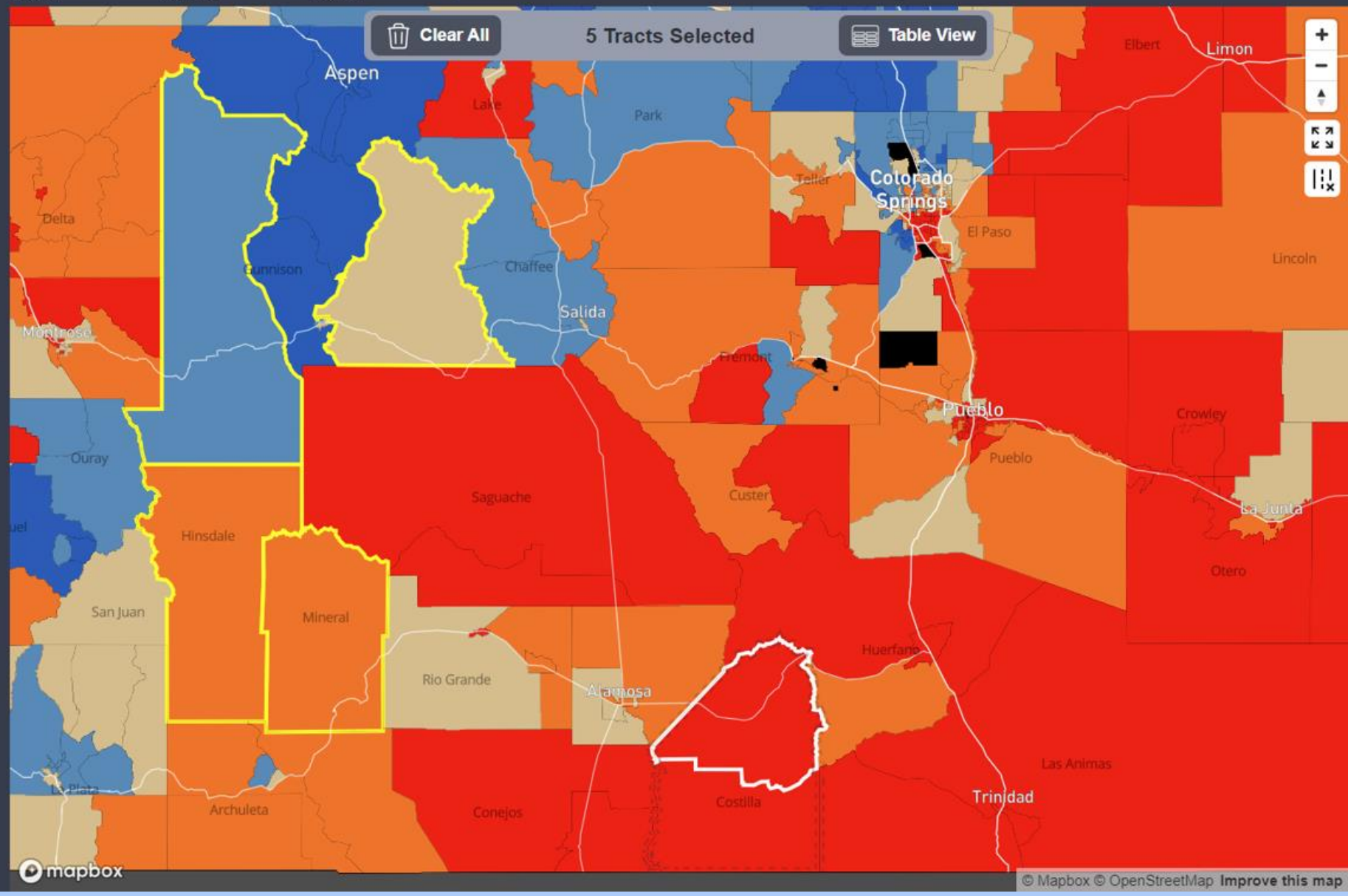
Clear All | 5 Tracts Selected | Table View



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Sample use case #2: Food access in a resort town

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-0.26

Overall Index

Demographic Variables	
Total Population:	**3,821**
Population Under 18:	**24.10%**
Population 65 and Older:	**12.54%**
Black, Indigenous, and Other People of Color:	**28.00%**

Overall Index of Disproportionate Impact (DI)

Low DI | Mean DI | High DI

Routt County
Tract 4

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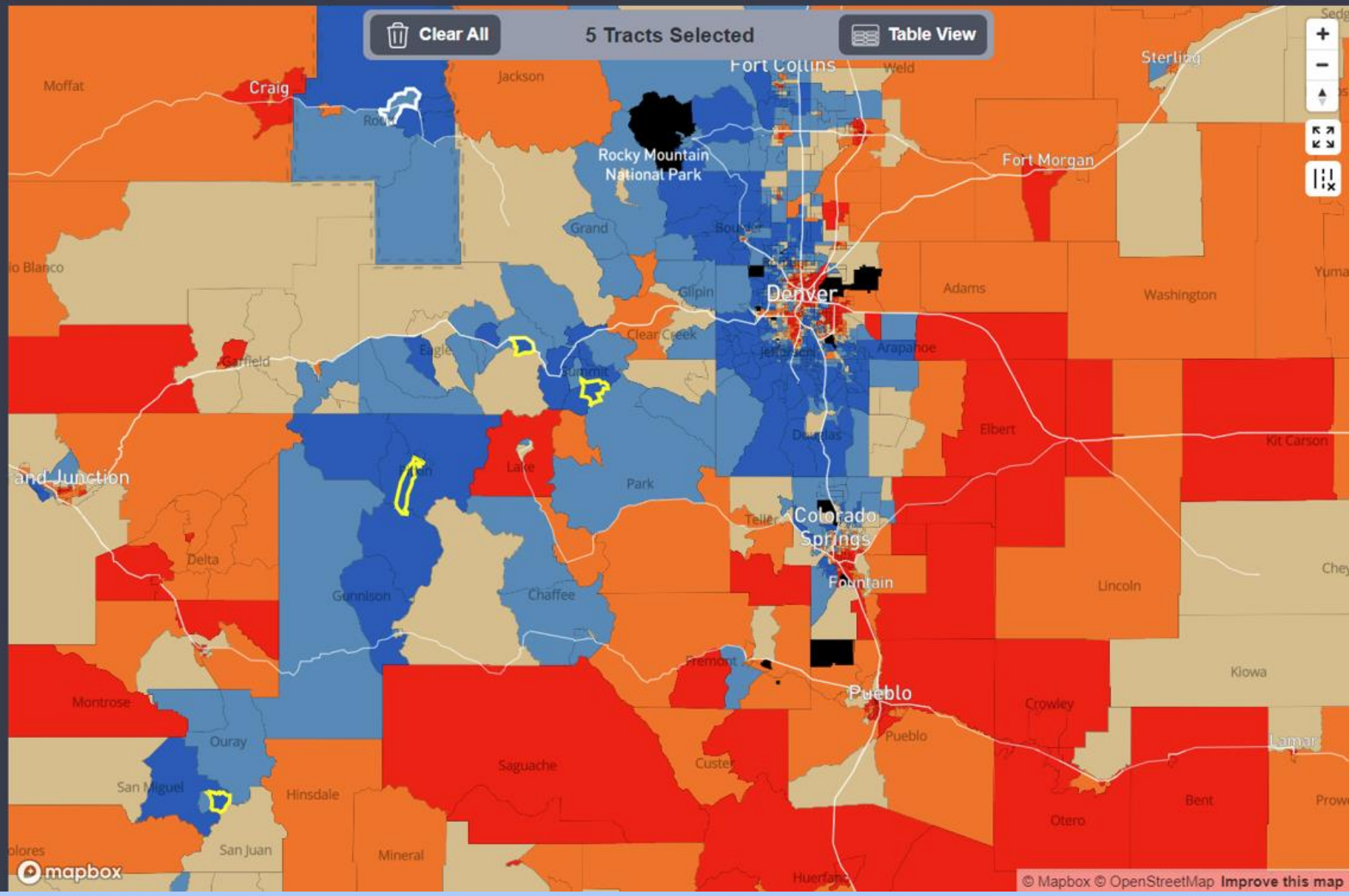
Clear All | 5 Tracts Selected | Table View



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Food Index

Low DI | Mean DI | High DI

Routt County
Tract 4

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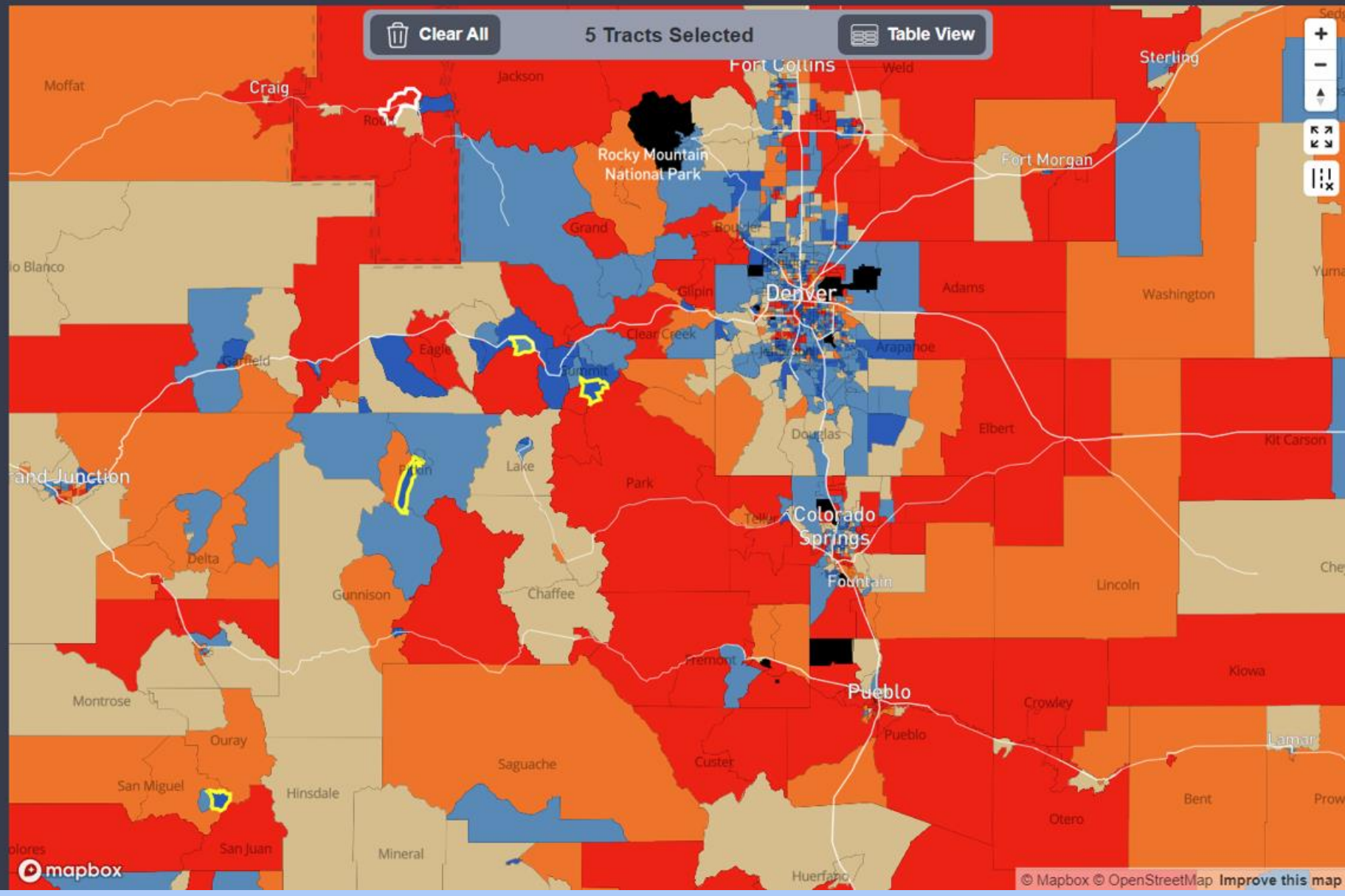
The graph's color reflects the Overall Index score

-0.26	1.37
Overall Index	Food Index

Demographics | **Food Variables**

Food Variables

Price of a Banana:	**$1.49**
Low Access to Healthy Food:	**95.6%**
Households Receiving SNAP:	**12.8%**



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Sample use case #3: Baselining a needs assessment

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Overall Index

Demographic Variables	
Total Population:	-
Population Under 18:	-
Population 65 and Older:	-
Black, Indigenous, and Other People of Color:	-

Overall Index of Disproportionate Impact (DI)

Low DI | Mean DI | High DI

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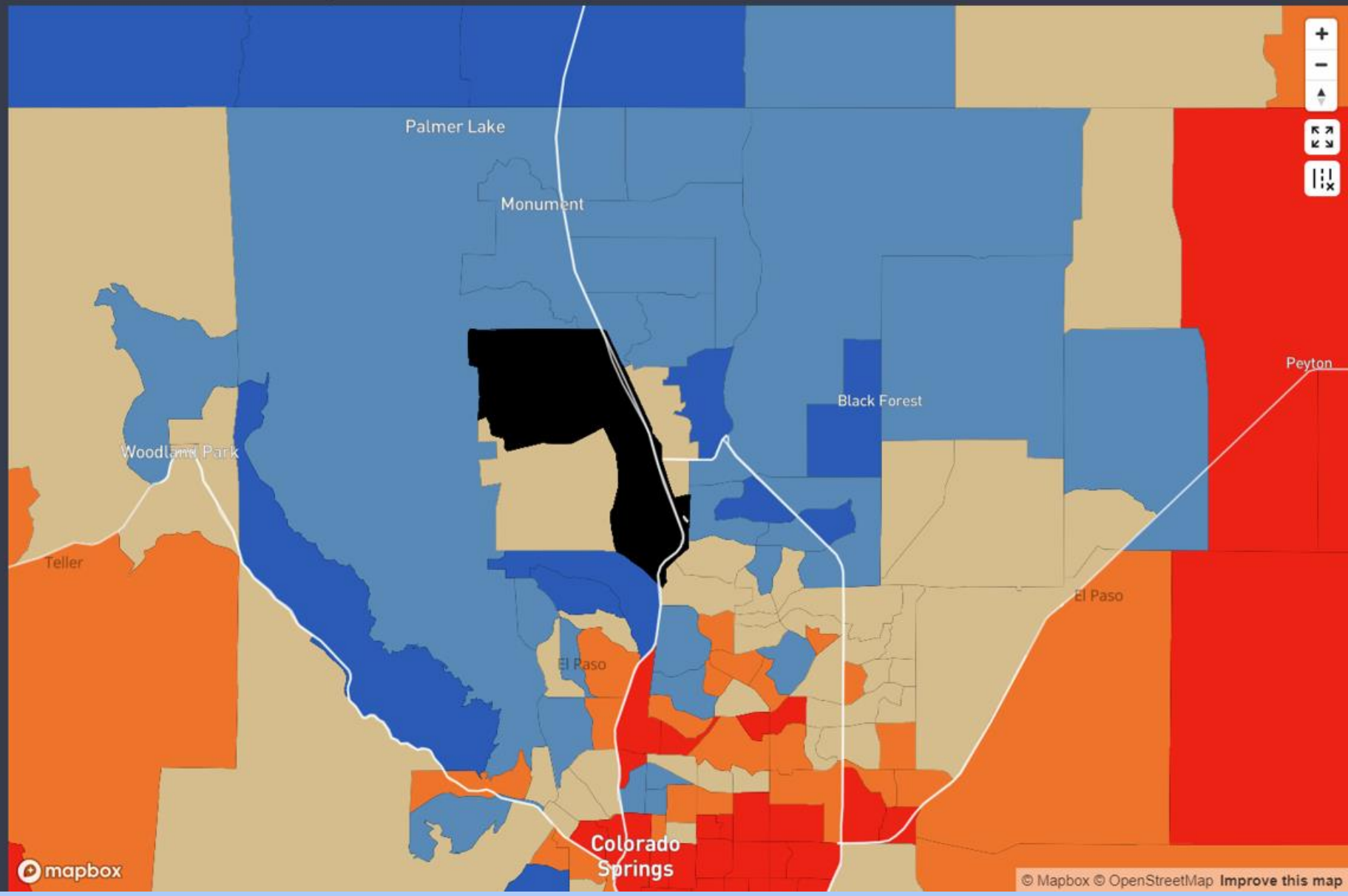

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Overall Index	Transportation Index

Demographics | **Transportation Variables**

Transportation Variables

No Car Access:	-
Not Commuting in an SOV:	-
Low Travel Time to Work:	-
Bridges in Poor Condition:	-

Transportation Index

Low DI | Mean DI | High DI

Search for a Place or County

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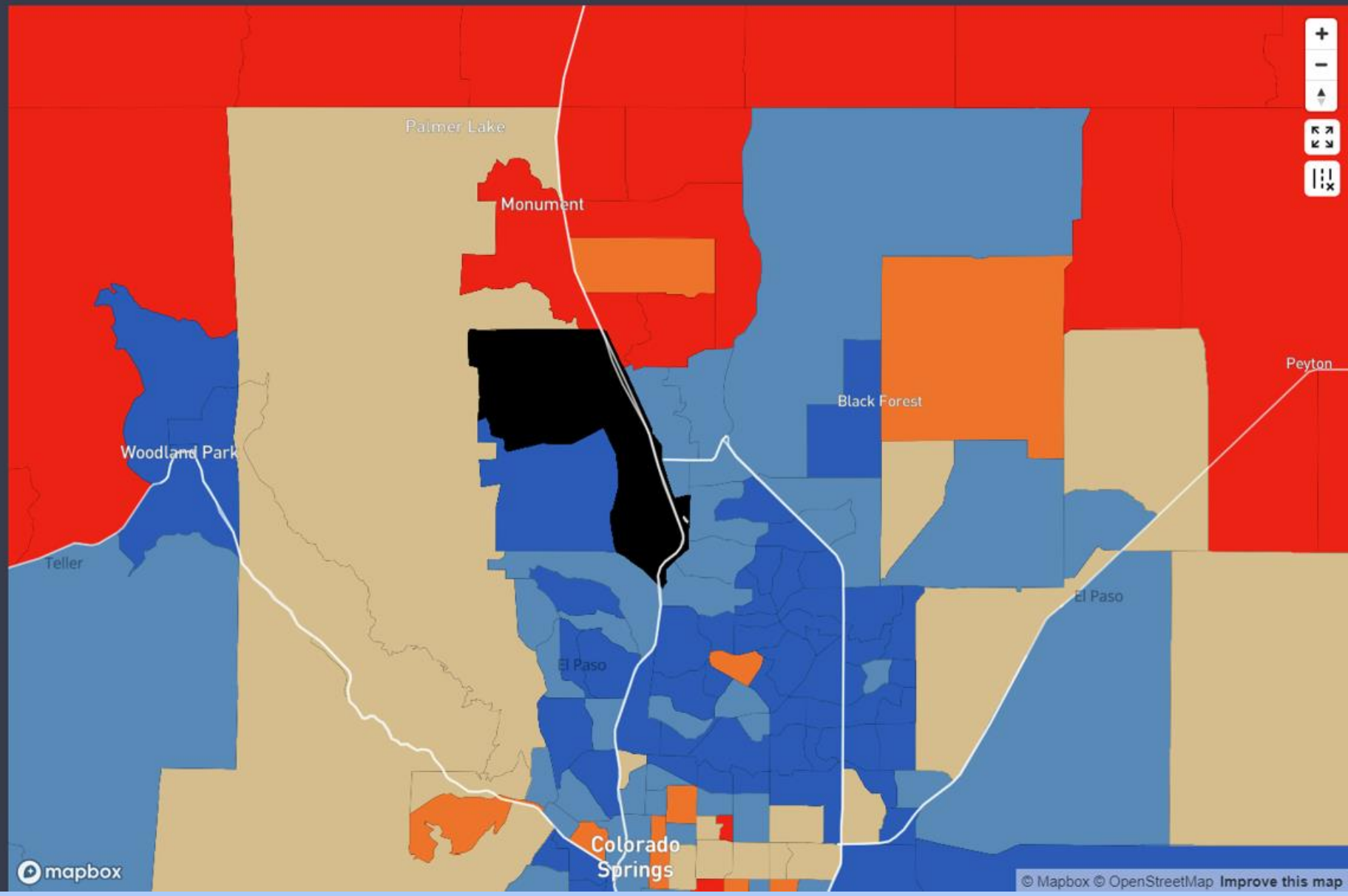

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The Colorado Futures Center is a 501c3 organization dedicated to informing about economic, fiscal and public policy issues impacting community economic health and quality of life.

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