Methodology

Data sources

Data

Data sources

Jump to Change Log

Priority Index

Indicator	Source	Source Dataset
Percent in Poverty (pop. with income less than 200% of federal poverty level)	U.S. Census Bureau American Community Survey 2014-2018	Block Group Table C17002
Percent People of Color (all people who are not white non-hispanic)	U.S. Census Bureau American Community Survey 2014-2018	Block Group Table B03002
Unemployment Rate	U.S. Census Bureau American Community Survey 2014-2018	Block Group Table B23025
Seniors (Age 65+)	U.S. Census Bureau American Community Survey 2014-2018	Block Group Table B01001
Children (Age 0 -17)	U.S. Census Bureau American Community Survey 2014-2018	Block Group Table B01001

Indicator	Source	Source Dataset
Urban heat island and surface temperature	USGS Earth Explorer	USGS Landsat 8 imagery, thermal bands
Health Index: self-reported poor mental health, poor physical health, asthma, and coronary heart disease	Center for Disease Control CDC PLACES	Census Tract Estimates

Tree Canopy Cover

Location	Source	Source Dataset	Resolution
All Urbanized Areas, unless listed below		U.S. Tree Map, 2020	1 meter
Rhode Island	University of Vermont Spatial Analysis Lab, Eagleview 2018 Lidar	RI 7-class Landcover, 2018	0.5 meter
Virginia, Maryland, Pennsylvania, Delaware	Chesapeake Bay Program, Chesapeake Conservancy	2013/14 Landcover	1 meter
Bay Area: Tree canopy (60 cm)	USDA Forest Service, EarthDefine	2018 Statewide Urban Tree Canopy	60 centimeter
Puget Sound Area, WA	Davey Tree Company	Puget Sound UTC, 2020	1 meter
Miami-Dade County, FL	University of Florida, American Forests	Miami-Dade UTC, 2016	2 meter
Detroit, MI	USFS, University of Vermont Spatial Analysis Lab	Detroit 7-class Landcover, 2016	1 foot
Brownsville, TX	National Landcover Database	2018 Tree Canopy Cover	30 meter

Census and Municipal Boundaries

Indicator	Source	Source Datasets
Rhode Island Municipalities	Rhode Island Geographic Information System	Municipalities (1997)

Indicator	Source	Source Datasets
Massachusetts Municipalities	Massahcusetts Geographic Information System	MA Towns
New Hampshire Municipalities	Massahcusetts Geographic Information System	NH Towns
Connecticut Municipalities	CT DEEP GIS Open Data Website	CT Towns
Vermont Municipalities	Massahcusetts Geographic Information System	VT Towns
Maine Municipalities	Massahcusetts Geographic Information System	ME Towns
New York Municipalities	New York Geographic Information System	NY Towns
Incorporated Places	U.S. Census Bureau	Census Incorporated Places
Census Block Groups	U.S. Census Bureau	Tiger Line Block Groups

Tree Equity Score Analyzer - Rhode Island Only

Boundaries

Indicator	Source	Source Datasets
Municipalities	Rhode Island Geographic Information System	Municipalities (1997)
Parcels	CoreLogic	Parcels by county
State boundaries	Rhode Island Geographic Information System	Fixed (with some flexibility)
Census Block Groups	U.S. Census Bureau	Tiger Line Block Groups
Watersheds	Rhode Island Geographic Information System	Watershed Boundary Dataset - HUC 12
Health Equity Zones	Rhode Island Department of Health	HEZBoundaries
Floodplains	Rhode Island Geographic Information System	FEMA Designated Flood Zones

Indicator	Source	Source Datasets
Zip codes	Rhode Island Geographic Information System	Zip Code Tabulation Areas

Health

Indicator	Source	Source Dataset
Asthma	Rhode Island Department of Health	Zip-code hospitalizations and emergency room visits, 2018
Mental health	Rhode Island Department of Health	Zip-code hospitalizations and emergency room visits, 2018
Heart disease	Rhode Island Department of Health	Zip-code hospitalizations and emergency room visits, 2018
Respiratory disease	Rhode Island Department of Health	Zip-code hospitalizations and emergency room visits, 2018
Diabetes	Rhode Island Department of Health	Zip-code hospitalizations and emergency room visits, 2018
Hospital Visits	Rhode Island Department of Health	Zip-code hospitalizations and emergency room visits, 2018

Redlining

Indicator	Source	Source Datasets
Redlining	Robert K. Nelson, LaDale Winling, Richard Marciano, Nathan Connolly, et al., "Mapping Inequality," American Panorama, ed. Robert K. Nelson and Edward L. Ayers	The Mapping Inequality Project