

DATA RESOURCE GUIDE

**AN OVERVIEW OF THE
RESOURCES INCLUDED
IN THE "ROAD TO
INCLUSIONARY
REDEVELOPMENT",
DETAILING EACH TOOL'S
GEOGRAPHIC SCOPE,
DATA ACCESS STEPS,
AND LINKS FOR EASY
NAVIGATION.**



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ABOUT THIS GUIDE

This guide provides more information about the resources presented in the “Part I. Roadmap Toward Inclusionary Redevelopment” section of this guide, including links to each resource, the geographic units of analysis that each resource offers, and steps on how to find data using the tools. These brief user guides are designed to assist with quick navigation to indicators mentioned in the guide. For a step-by-step process and more information on the tools, you may visit EPA’s EJScreen website, the Climate and Economic Justice Screening Tool, or reach out to the BRADS team.

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Electronic Access

The document is electronically available at BRADS website:

<https://bradsprogram.sites.umassd.edu/resources/>

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Disclaimer

This document is not intended to serve as legal advice or guidance. Instead, it offers informational insight based on existing literature and practitioner knowledge.



ENVIRONMENTAL JUSTICE SCREENING AND MAPPING TOOL (EJSCREEN)

EJScreen is one of the U.S. Environmental Protection Agency's (EPA) publicly available datasets. The data in this program uses both primary and secondary sources and includes a mixture of raw and calculated indexes for its measurements. EJScreen uses a mapped index to display the concentrations of negative environmental indicators and pollutants relative to specific demographic characteristics. The tool presents estimated concentrations at the state, city, and neighborhood levels, and the data is updated annually.

Considerations

Demographic data for EJScreen is sourced from the American Community Survey conducted by the U.S. Census Bureau. The American Community Survey is not a full census; but rather a sample, therefore neighborhood composites must be interpreted as estimates. Rural communities are routinely undercounted during decennial censuses and under-sampled within the American Community Survey.

Resource: [EJScreen](#)

<p>Indicators of Neighborhood Change</p>	<ul style="list-style-type: none"> • Housing cost burden • Affordable housing (public or subsidized) • Percentage of non-white population • Linguistic isolation/limited English speaking • Transportation access burden • Proximity to community landmarks • Food desert
<p>Geographic Units</p>	<ul style="list-style-type: none"> • Block group • Census tract • Town/City • County



ENVIRONMENTAL JUSTICE SCREENING AND MAPPING TOOL (EJSCREEN)

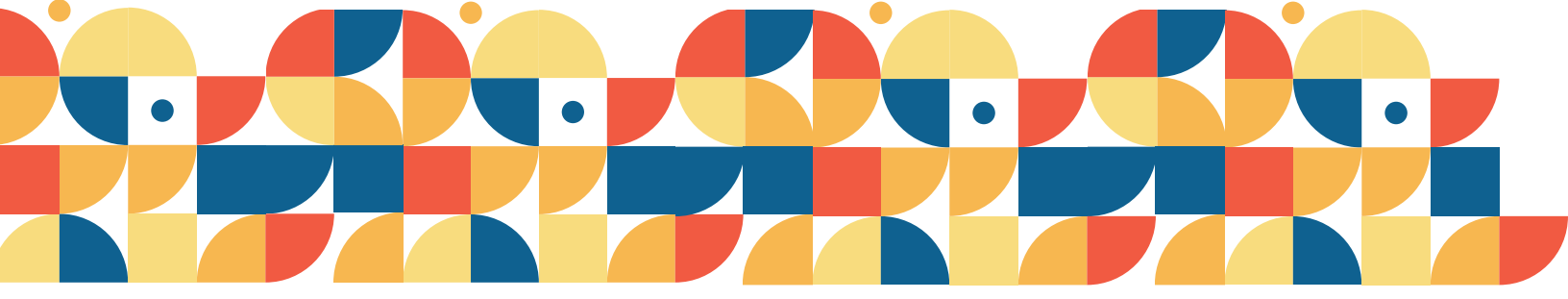
Step 1)

In the search bar, enter the desired address or location.



Step 2)

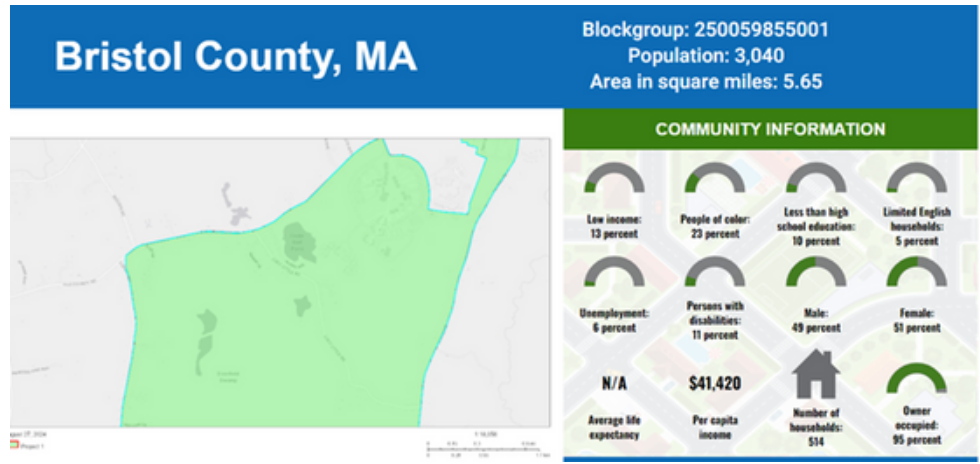
Under the "Reports" tab, select the area on the map by the desired geographic unit, and then select "EJScreen Community Report". While there are other ways for data collection in EJScreen, community reports provide an easy manner to aggregate data for an area of interest.



ENVIRONMENTAL JUSTICE SCREENING AND MAPPING TOOL (EJSCREEN)

Step 3)

In the “Community Information” chart, view data for people of color, less than high school education, and limited English households.



Step 4)

In the “Other community features within defined area” section, view data on the proximity to community landmarks.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	2
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

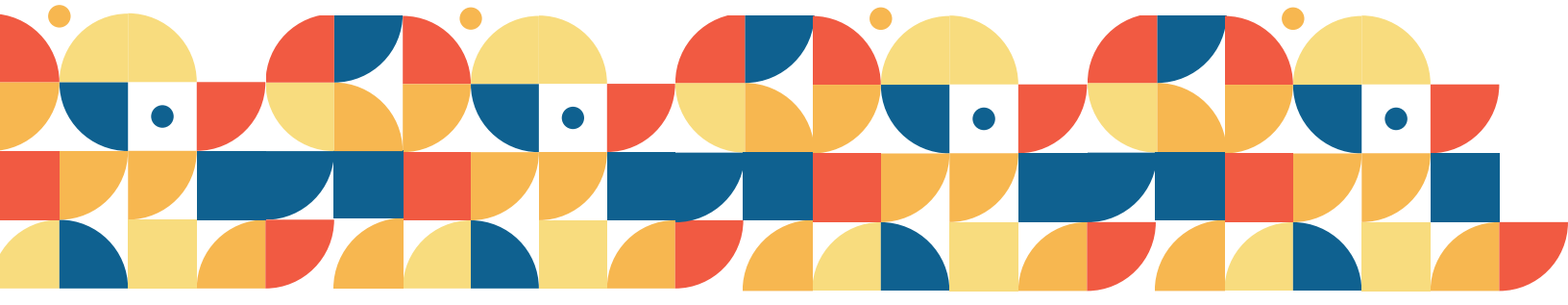
Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

Report for Blockgroup: 250059855001
 Report produced August 27, 2024 using EJScreen Version 2.3



ENVIRONMENTAL JUSTICE SCREENING AND MAPPING TOOL (EJSCREEN)

Step 5)

In the “Critical Service Gaps” table, view data for housing burden, transportation access burden, and food deserts.

EJScreen Environmental and Socioeconomic Indicators Data

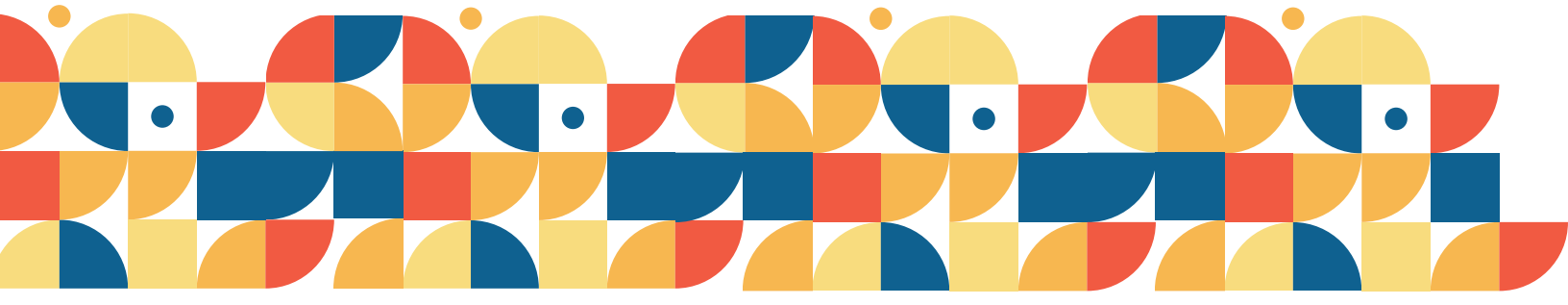
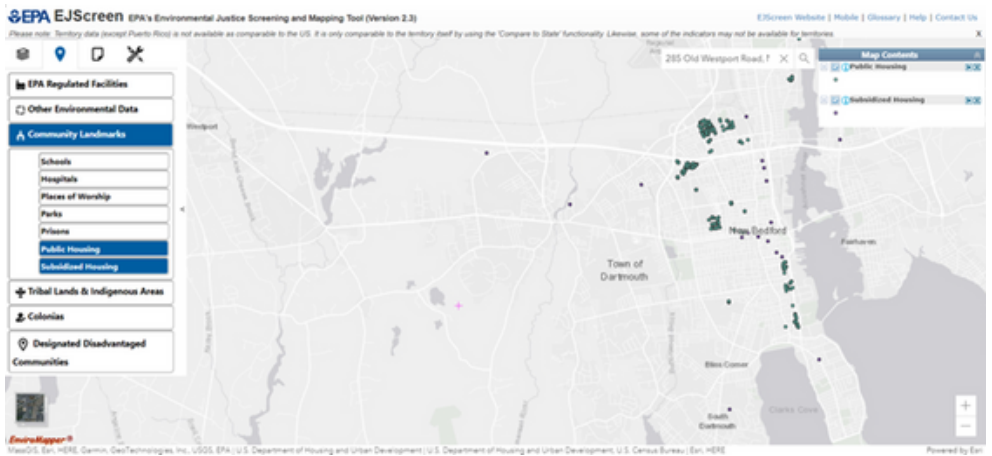
HEALTH INDICATORS					
INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	17%	N/A	20%	N/A
Heart Disease	1.5	5.2	0	5.8	0
Asthma	12.6	11.2	86	10.3	93
Cancer	2.1	6.9	0	6.4	0
Persons with Disabilities	10.6%	12.1%	44	13.7%	34

CLIMATE INDICATORS					
INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	5%	12%	29	12%	39
Wildfire Risk	0%	0%	0	14%	0

CRITICAL SERVICE GAPS					
INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	5%	9%	42	13%	32
Lack of Health Insurance	3%	3%	62	9%	18
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access Burden	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Step 6)

To view the locations of public and subsidized housing, parks, and prisons, return to the map and select the desired community landmarks under the “Places” tab.



CLIMATE AND ECONOMIC JUSTICE SCREENING TOOL (CEJST)

CEJST was created by the Council on Environmental Quality as a publicly available dataset to locate areas that would benefit from the Justice40 Initiative, by allocating 40% of benefits from federal investments towards disadvantaged communities. CEJST ranks environmental, socioeconomic, public health, and infrastructure-related burdens with a percentile system, determining if census tracts are considered disadvantaged based on the thresholds for each category, proximity to other disadvantaged areas, low-income status, and location of Federally Recognized Tribes.

Considerations

CEJST analyzes environmental, climate, and socioeconomic burdens at a census tract level, ranking them with a percentile system that compares the burdens experienced by a census tract to that of other census tracts nationally. The boundaries for census tracts are determined by the U.S. Census Bureau every ten years, and CEJST utilizes the boundaries from 2010 because some of the data sources utilized by the tool also use the 2010 boundaries. CEJST compiles data from multiple sources, including the American Community Survey from 2015-2019, National Risk Index from 2014-2021, and others. The tool is updated every year with updated data and research.

Resource: [CEJST](#)

Indicators of Neighborhood Change	<ul style="list-style-type: none"> • Housing cost burden • Less than high school education • Linguistic isolation/limited English speaking • Transportation Barriers
Geographic Unit	<ul style="list-style-type: none"> • Census tract



CLIMATE AND ECONOMIC JUSTICE SCREENING TOOL (CEJST)

Step 1)

In the search bar, enter the desired address or location.

How to use the map:

Zoom in + , search 🔍 , or locate yourself 📍 and select to see information about any census tract.

Things to know:

The tool uses census tracts 🗺️ . Census tracts are a small unit of geography. They generally have populations 👥 of between 1,200 - 8,000 people.

Communities that are disadvantaged live in tracts that experience burdens. These tracts are highlighted 🟡 on the map.

The tool ranks most of the burdens using percentiles 📊 . Percentiles show how much burden each tract experiences when

Mapbox © OpenStreetMap Improve this map

Help icon

Step 2)

Select the desired area on the map. Explore available data to the right of the map to find desired indicators.

Housing

Housing cost 6th
Share of households making less than 80% of the area median family income and spending more than 30% of income on housing

Lack of green space 13th
Amount of land, not including crop land, that is covered with artificial materials like concrete or pavement

Lack of indoor plumbing 65th
Share of homes without indoor kitchens or plumbing

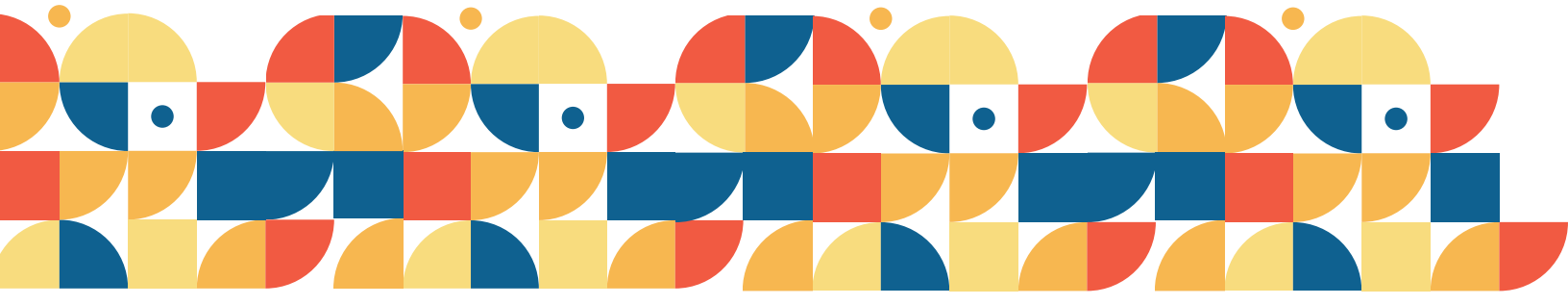
Lead paint 48th
Share of homes that are likely to have lead paint

AND

Low income 2nd
People in households

Mapbox © OpenStreetMap Improve this map

Help icon



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

Census data are arranged by census tracts. Census tract lines often cross major thoroughfares and physical and cultural boundaries and are not necessarily how residents imagine their neighborhoods. Neighborhoods are defined by transportation networks, public school zones, and other social and economic histories. There are several potential strategies practitioners can employ to match neighborhoods to Census data, including the Census mapping tool and the Census geocoder.

The American Community Survey is a sample survey collected yearly by the United States Census Bureau to complement the decennial census. The survey polls takers regarding demographic information and other social and economic circumstances. Unlike the decennial census which seeks to count every living person in the United States, the American Community Survey seeks to poll 3.5 million persons annually. The American Community Survey releases its findings with a two-year lag, which may prove as a potential limitation for planners and policy makers.

The U.S. Census Bureau website contains extensive data and can be tedious to navigate. For this reason, they also provide a Quick Facts website to obtain specific data more efficiently. The Quick Facts website provides data for all counties, but only for cities and towns with a population of 5,000 people or more. This appendix provides information on both websites.

Resource: [Census Bureau Quick Facts](#)

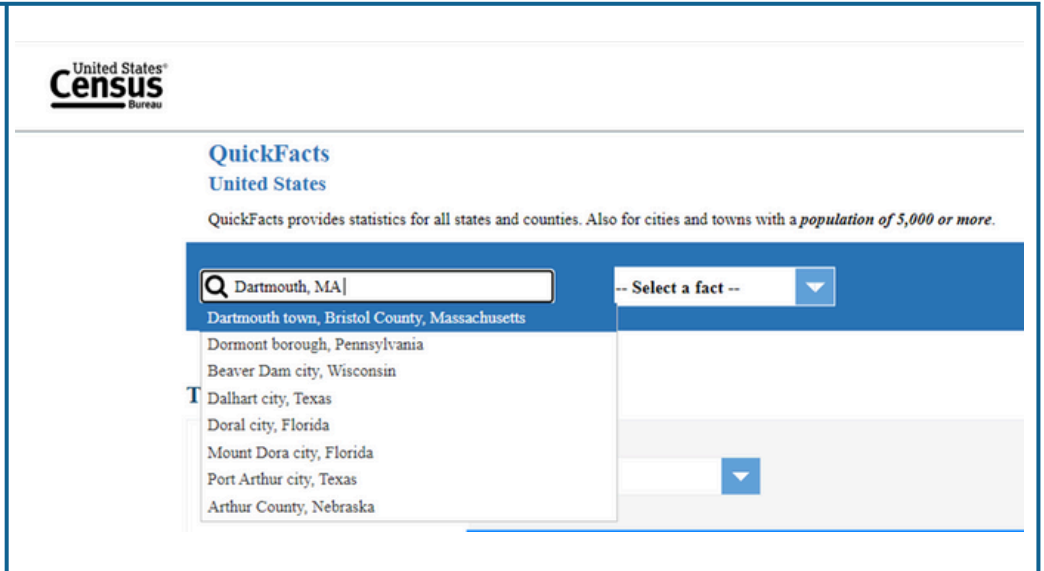
Indicators of Neighborhood Change	<ul style="list-style-type: none"> • Median Household income • Median rent • Residents with bachelor's degree
Geographic Unit	<ul style="list-style-type: none"> • Town/City • County



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

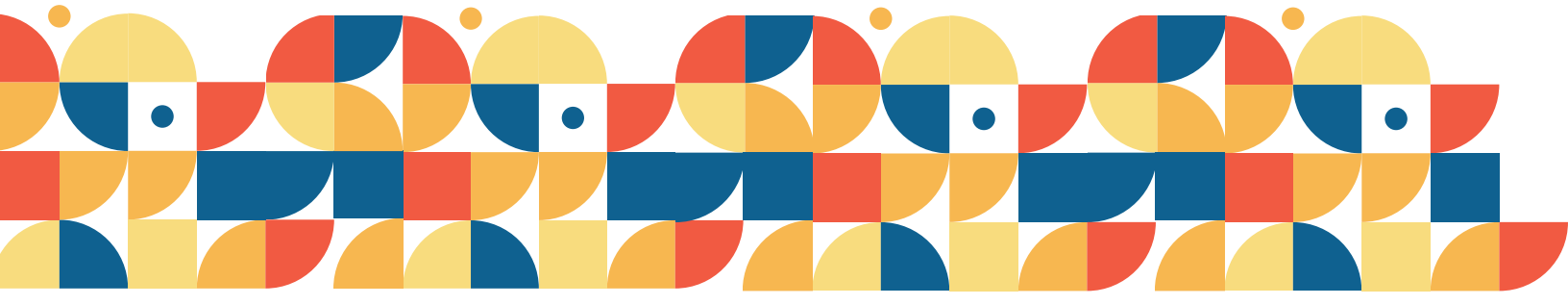
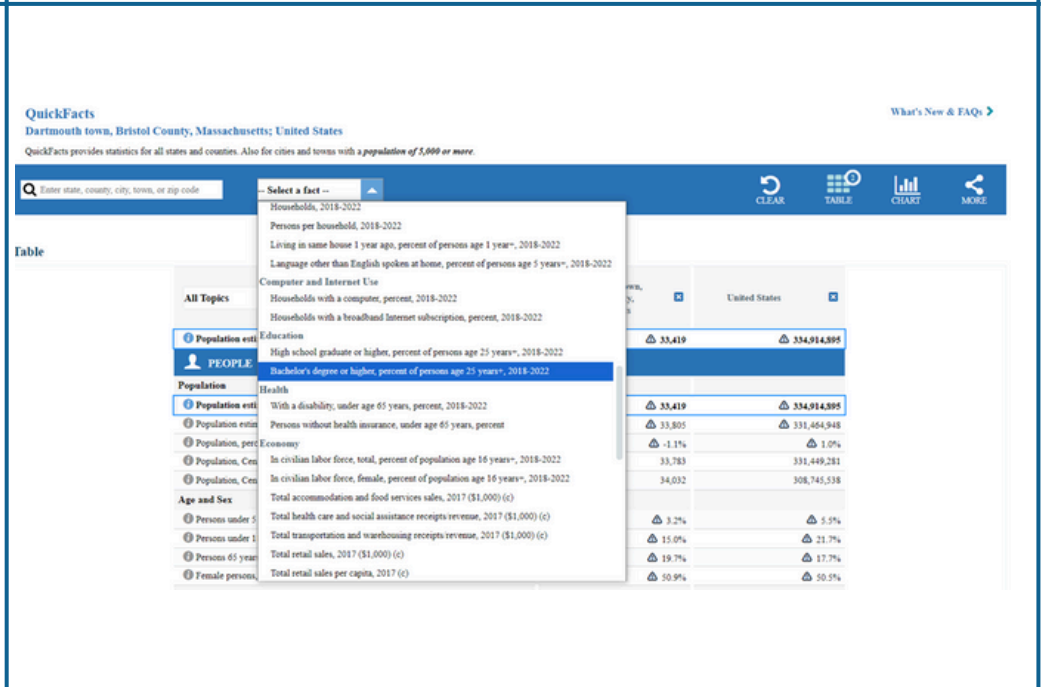
Step 1)

In the search bar, enter the desired address or location.



Step 2)

Under the "Reports" tab, select the area on the map by the desired geographic unit, and then select "EJScreen Community Report". While there are other ways for data collection in EJScreen, community reports provide an easy manner to aggregate data for an area of interest.



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

Resource: [Census Bureau](#)

<p>Indicators of Neighborhood Change</p>	<ul style="list-style-type: none"> • Change in housing values • Median household income • Median rent • Residents with bachelor's degrees • Ratio of poor to wealthy households • Population of renters
<p>Geographic Unit</p>	<ul style="list-style-type: none"> • Block group • Census tract • Town/City • County

Step 1)

In the search bar, select "Use Advanced Search".

Explore Census Data

Learn about America's People, Places, and Economy

Find Tables, Maps, and more...

Use Advanced Search...

Try searching for [commute](#) in [all counties in Delaware](#) in [2020](#)

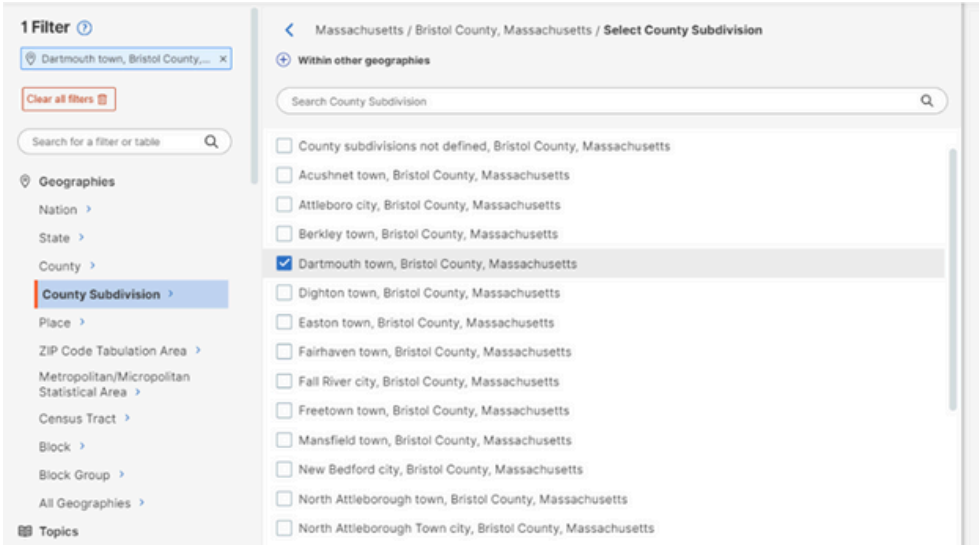
**find
tables**



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

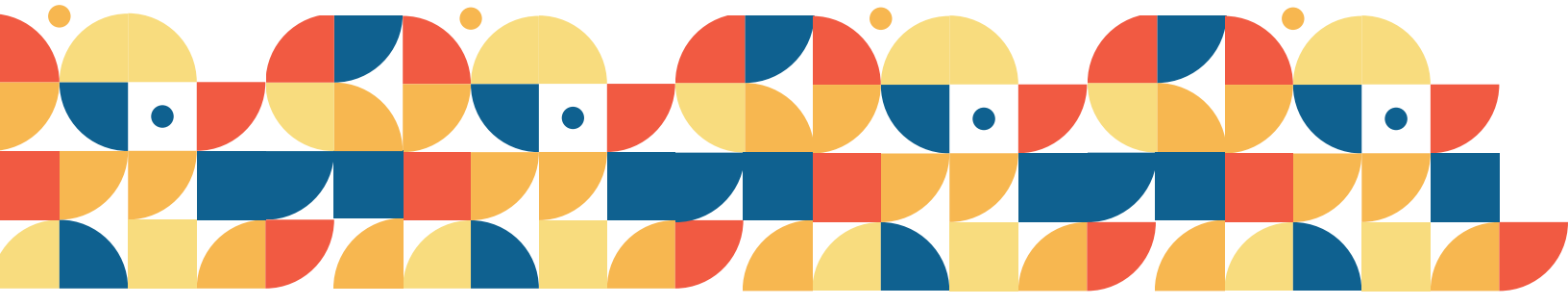
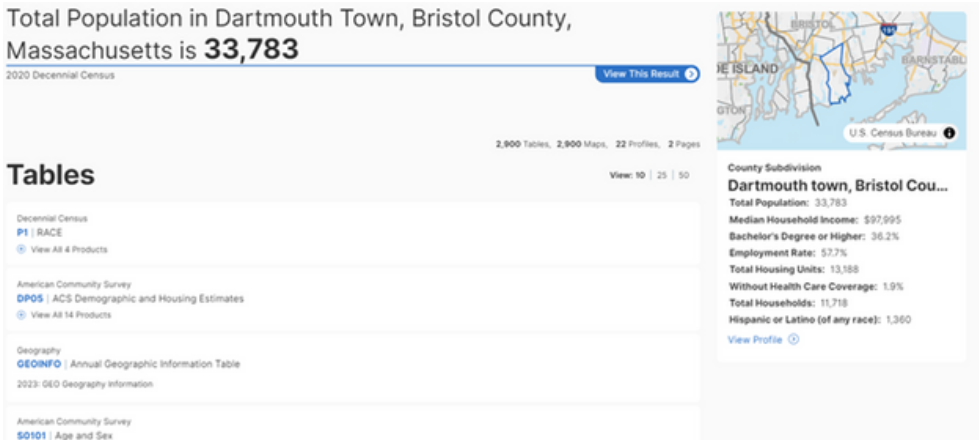
Step 2)

Under the “Geographies” side menu, select the desired location. Press the “Search” button in the bottom right corner of the screen.



Step 3)

On the right side of the screen, see a summary of data for the search, including median household income and bachelor’s degree or higher.



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

Step 4)

For the median gross rent and population of renters, click on "View Profile" and navigate to the "Housing" section.

Housing

Financial Characteristics

\$1,348 ± \$195
Median Gross Rent in Dartmouth town, Bristol County, Massachusetts

\$1,125 ± \$35
Median Gross Rent in Bristol County, Massachusetts

[DP04](#) | 2022 American Community Survey 5-Year Estimates

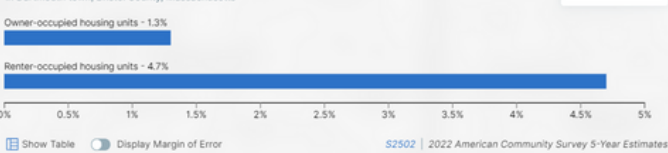
Owner/Renter (Householder) Characteristics

2.1% ± 1.0%
Moved 2021 or Later Into Occupied Housing Unit in Dartmouth town, Bristol County, Massachusetts

12.8% ± 1.4%
Moved 2021 or Later Into Occupied Housing Unit in Bristol County, Massachusetts

[S2502](#) | 2022 American Community Survey 5-Year Estimates

Moved 2021 or Later Into Occupied Housing Unit by Type of Units



Step 5)

On the right side of the screen, see a summary of data for the search, including median household income and bachelor's degree or higher.

The screenshot shows a search interface with a list of results on the left and a detailed view of the selected result on the right. The selected result is 'Gini Index of Income Inequality' (table ID B19083) for Dartmouth town, Bristol County, Massachusetts. The table shows an estimate of 0.4379 with a margin of error of ±0.0245. A sidebar on the right contains various tool options like Codes, Dataset, Year, Columns, Transpose, Margin of Error, Restore, Excel, CSV, ZIP, City, Share, Print, API, and Map.

*Note: The Gini Index measures income inequality by comparing observed income distribution to a perfectly equal one, ranging from 0 (perfect equality) to 1 (perfect inequality).



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

Step 6)

Returning to the advanced search function, select desired indicators under the “Topics” side menu. Find Housing, Financial Characteristics and select Housing Value and Purchase Price. Press the “Search” button in the bottom right corner of the screen.

The screenshot shows the ACS search interface. On the left, there are two filters: 'Dartmouth town, Bristol County, Massachusetts' and 'Housing Value and Purchase Price'. Below these is a 'Clear all filters' button and a search box for filters. A 'Geographies' menu is also visible. On the right, the 'Financial Characteristics / Select Financial Characteristics' panel is shown. It has a search box and a list of categories: 'Financial Characteristics', 'Housing Value and Purchase Price' (checked), 'Insurance, Utilities, and Other Fees', 'Mortgage Costs', and 'Renter Costs'.

Step 7)

Explore available tables, maps, profiles, and pages for the search. For the change in housing values you can combine multiple datasets from previous ACS under Table B25075. Under the “More Tools” button, select “Year” to see housing values from 2010-2022.

The screenshot shows the ACS data table for B25075 (Housing Value and Purchase Price) for Dartmouth town, Bristol County, Massachusetts. The table has columns for 'Label', 'Estimate', and 'Margin of Error'. The 'More Tools' menu is open, showing options like 'Codes', 'Dataset', 'Year', 'Columns', 'Transpose', 'Margin of Error', 'Restore', 'Excel', 'CSV', 'ZIP', 'Cite', 'Share', 'Print', 'API', and 'Map'.

Label	Estimate	Margin of Error
Total:	9,156	±412
Less than \$10,000	0	±28
\$10,000 to \$14,999	0	±28
\$15,000 to \$19,999	0	±28
\$20,000 to \$24,999	0	±28
\$25,000 to \$29,999	75	±62
\$30,000 to \$34,999	0	±28
\$35,000 to \$39,999	0	±28
\$40,000 to \$49,999	23	±26
\$50,000 to \$59,999	0	±28
\$60,000 to \$69,999	0	±28
\$70,000 to \$79,999	33	±43
\$80,000 to \$89,999	20	±27
\$90,000 to \$99,999	16	±27



UNITED STATES CENSUS BUREAU & AMERICAN COMMUNITY SURVEY (ACS)

CODES FOR COMMON VARIABLES

Code	Variable
B02001	Race
B01003	Total Population
B15003	Educational Attainment for the Population 25 Years and Over
B16004	Age by Language Spoken at Home by Ability to Speak English
B19013	Median Household Income in the Past 12 Months
DP04	Selected Housing Characteristics <ul style="list-style-type: none"> • Housing tenure (owner-occupied, renter-occupied) • Median home value (owner-occupied) • Median rent
S0101	Age and Sex



THE EVICTION LAB AT PRINCETON

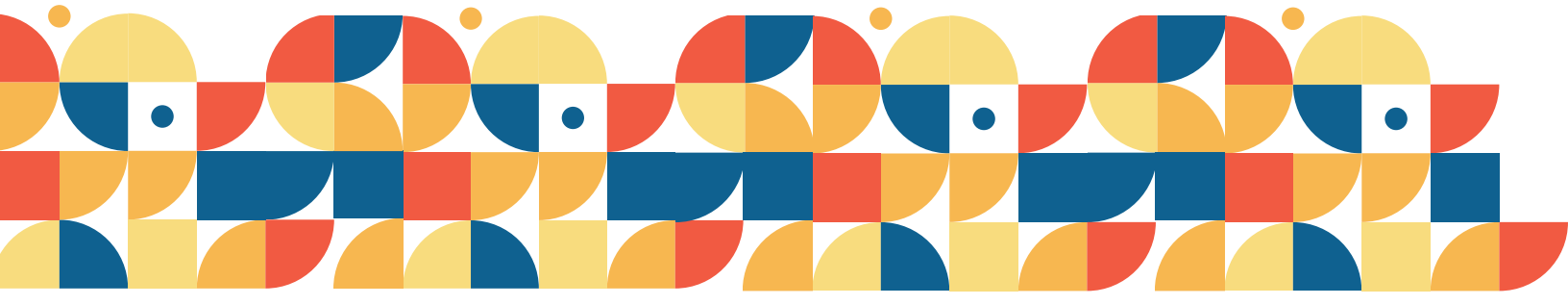
Princeton University's Eviction Lab is a publicly accessible database which compiles nationwide eviction data sourced from court records, local and county collected statistics and reports, and proprietary real estate datasets. Their eviction data includes research on people at risk of eviction, consequences of eviction, tools to address eviction, landlords and rental markets, and the prevalence, concentration, and geography of eviction.

Considerations

The Eviction Lab only provides data on eviction rates, not foreclosure rates, and only does so at the state and county levels. For more specific data on eviction and foreclosure rates that is relevant to smaller geographical areas, consider researching local data sources, such as court records.

Resource: [Eviction Lab](#)

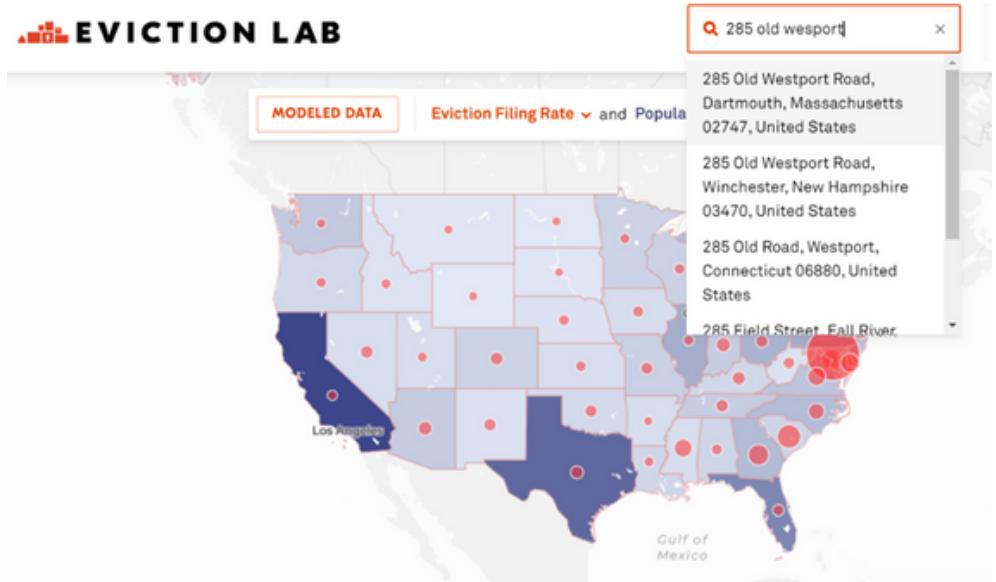
Indicators of Neighborhood Change	<ul style="list-style-type: none">• Eviction rates
Geographic Unit	<ul style="list-style-type: none">• County• State



THE EVICTION LAB AT PRINCETON

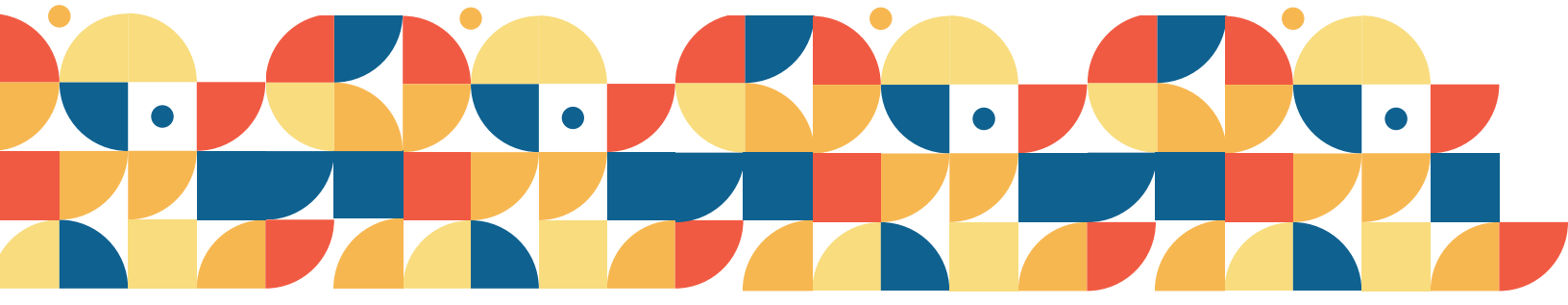
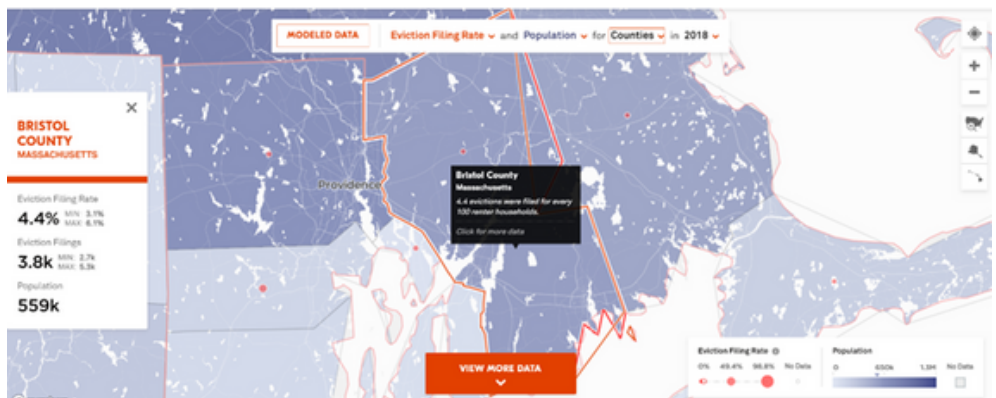
Step 1)

In the search bar, enter the desired address or location.



Step 2)

In the drop-down menus on the map, adjust the displayed data, geographic unit, and year.



More Information on BRADS Website:



<https://bradsprogram.sites.umassd.edu/>

