

# HOUSTON VRAP DASHBOARD

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## Walkthrough



VULNERABILITY



RESILIENCE



ADAPTIVE  
CAPACITY



PREPAREDNESS



## CONTROLS

### SEARCH

### YEAR

2020

### INDICATORS

#### CATEGORY

All Categories

#### ALL INDICATORS

Social Vulnerability Index

#### VRAP MEASURE

None Selected

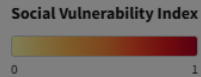


## WELCOME TO THE VRAP DASHBOARD

Cite this dashboard using the citation provided on the methods tab

**I agree**

Hover over a tract



Start by clicking **“I agree”** to view the dashboard



## CONTROLS

### SEARCH

### YEAR

2020

### INDICATORS

#### CATEGORY

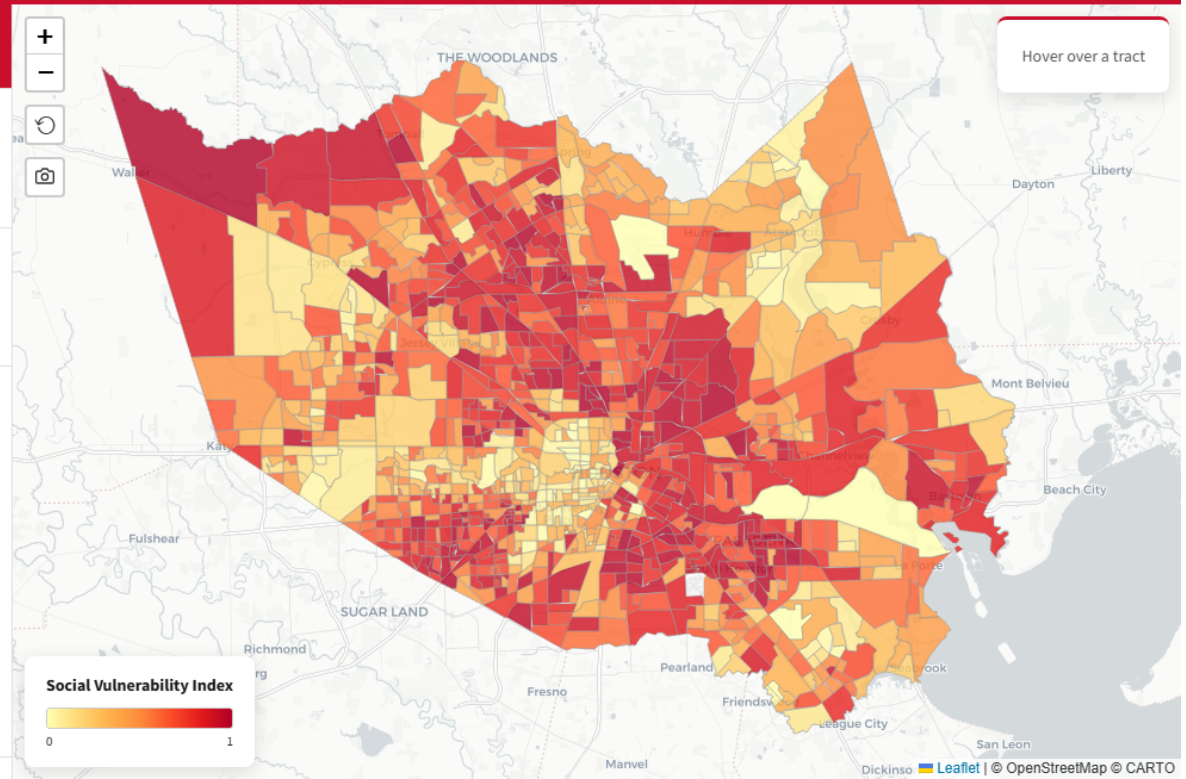
All Categories

#### ALL INDICATORS

Social Vulnerability Index

#### VRAP MEASURE

None Selected



Use the filters on the left to  
select different Years and Indicators



## CONTROLS

### All Categories

Vulnerability  
Resilience  
Preparedness  
Demographic  
Economic  
Health  
Education  
Housing  
Mobility

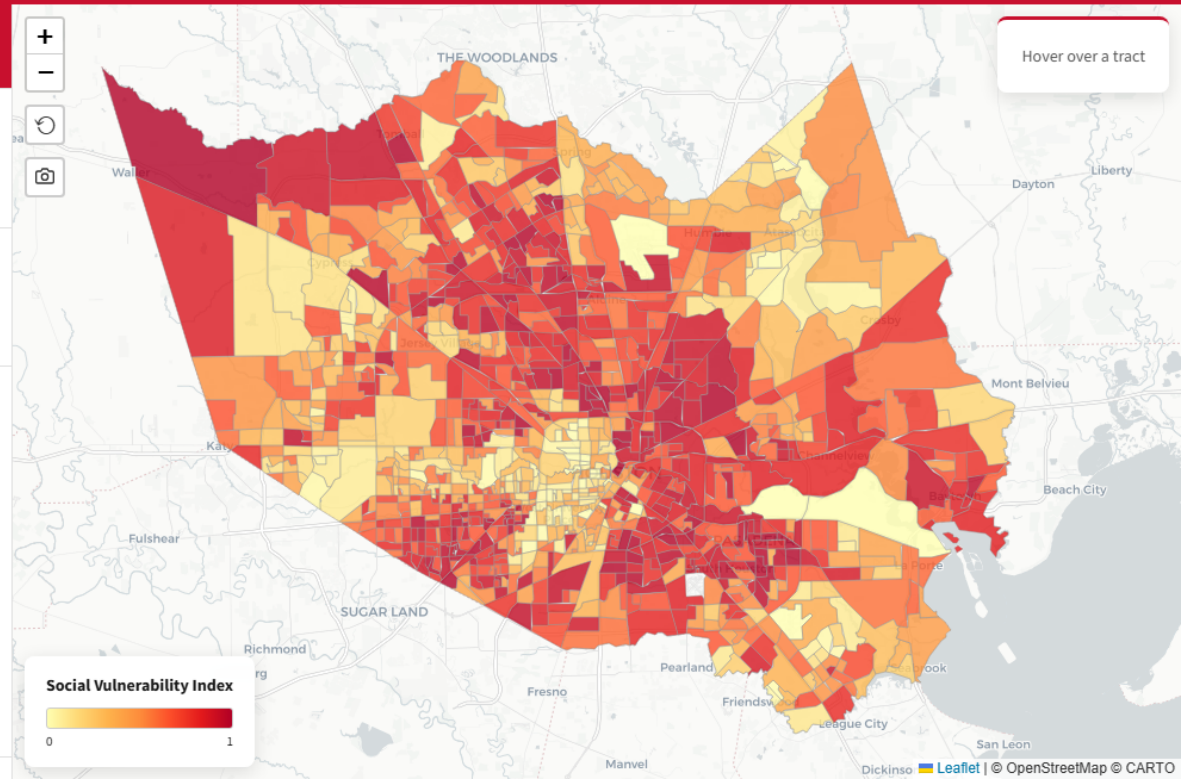
All Categories

### ALL INDICATORS

Social Vulnerability Index

### VRAP MEASURE

None Selected



Use the **Category** filter to subset the options in the **All Indicators** filter to a given topic

## CONTROLS

## SEARCH

Search census tracts...

## YEAR

2020

## INDICATORS

**CATEGORY**

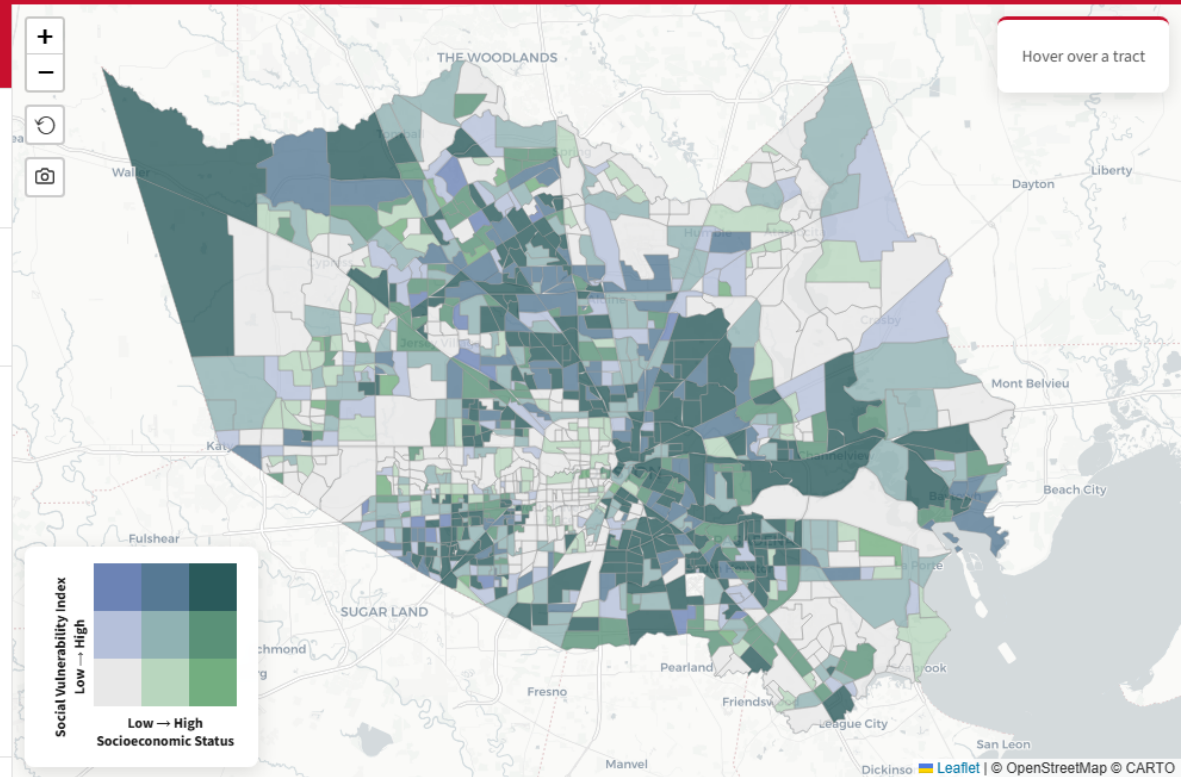
All Categories

## ALL INDICATORS

### Social Vulnerability Index

## VRAP MEASURE

## Socioeconomic status



Make a selection in the **VRAP Measure** dropdown to create a bivariate (two variable) map

## CONTROLS

## SEARCH

Search census tracts...

## YEAR

2020

## INDICATORS

**CATEGORY**

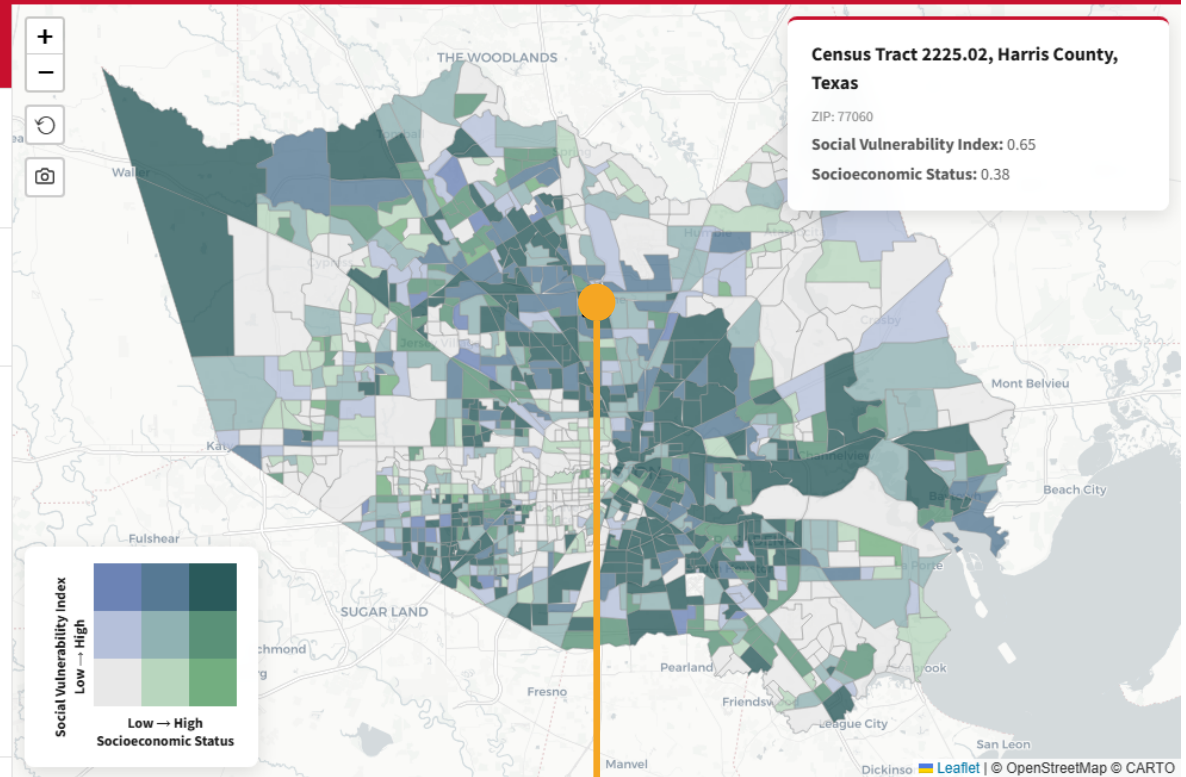
All Categories

## ALL INDICATORS

### Social Vulnerability Index

## VRAP MEASURE

### Socioeconomic Status



Hover over the map to view  
details on each area



## INDICATORS

### CATEGORY

All Categories

### ALL INDICATORS

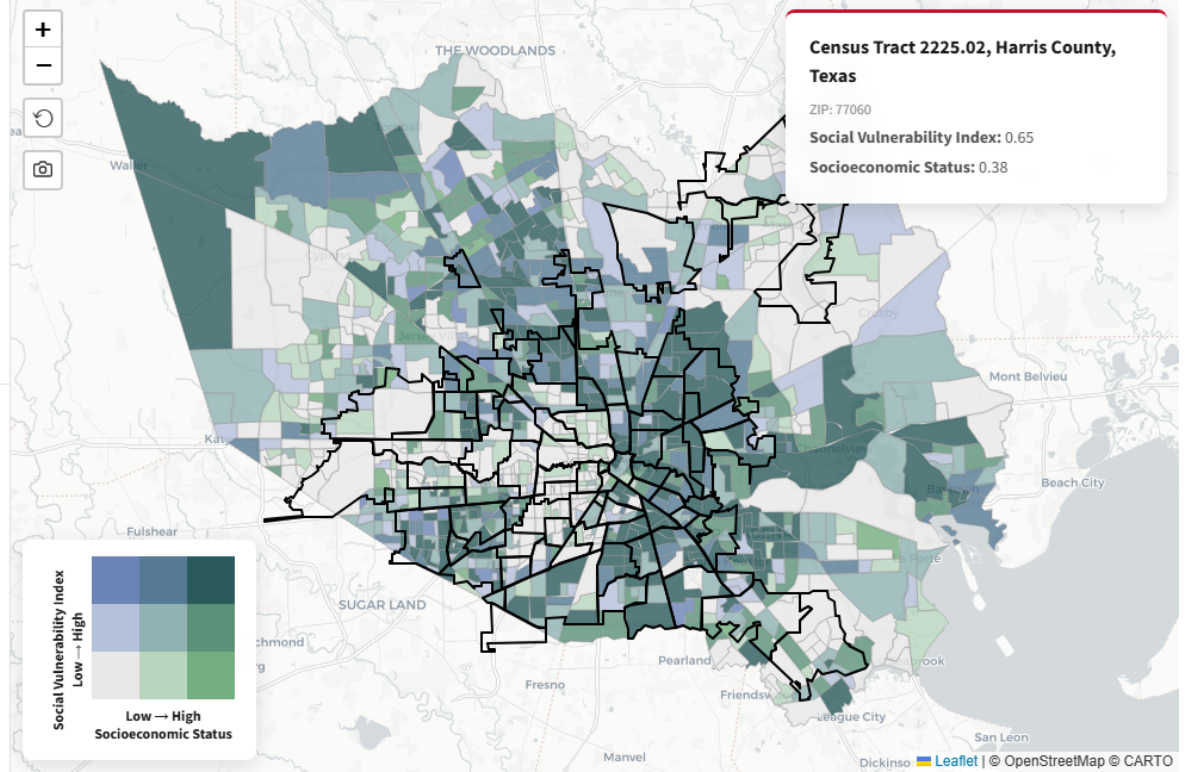
Social Vulnerability Index

### VRAP MEASURE

Socioeconomic Status

## OVERLAY LAYERS

- ☐ ZIP Codes
- ☒ Super Neighborhoods
- ☐ Complete Communities
- ☐ MUAs
- ☐ FEMA 100 Year Flood Zone
- ☐ FEMA 500 Year Flood Zone



Use the checkboxes to add outlines of ZIP Codes, Super Neighborhoods, etc.



5330

Census Tract 5330, Harris County, Texas

Census Tract 4530, Harris County, Texas

Census Tract 2530, Harris County, Texas

## CATEGORY

All Categories

## ALL INDICATORS

Social Vulnerability Index

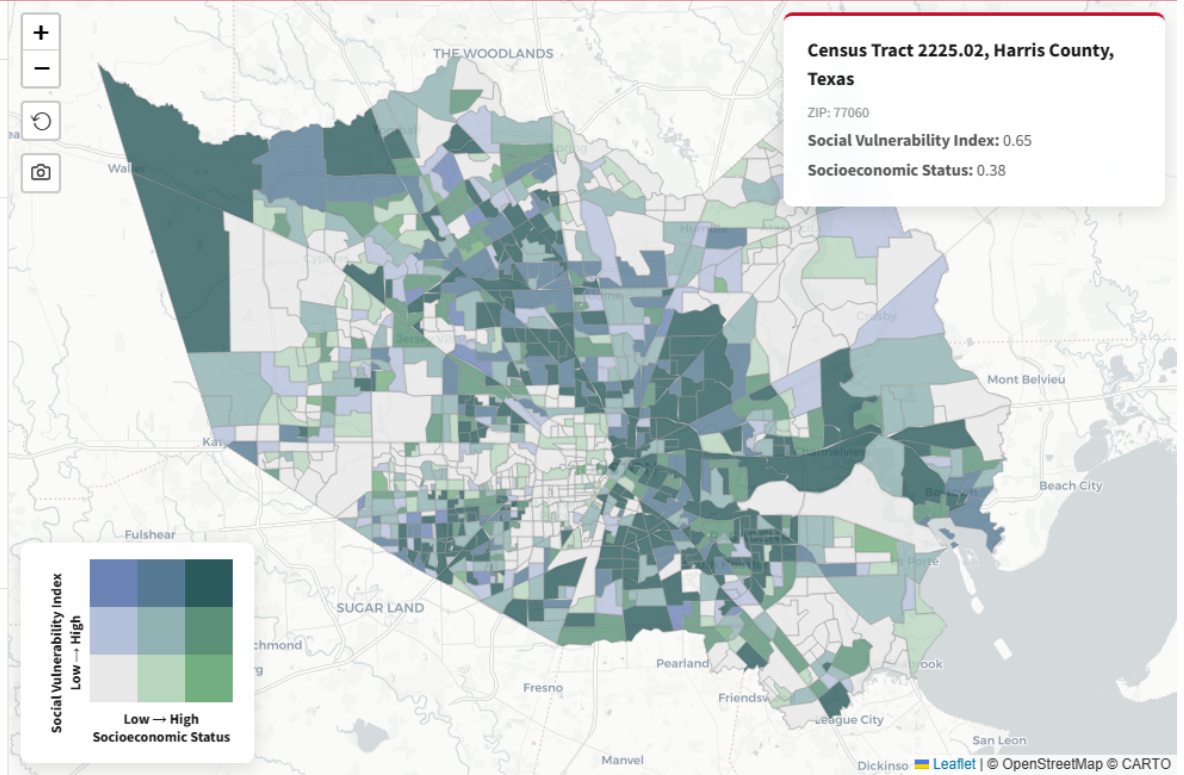
## VRAP MEASURE

Socioeconomic Status

## OVERLAY LAYERS

☐ ZIP Codes

☐ Super Neighborhoods



Use the search bar to zoom in on specific areas. Use the 'Reset View' button to return to the default zoom.



## CONTROLS

### SEARCH

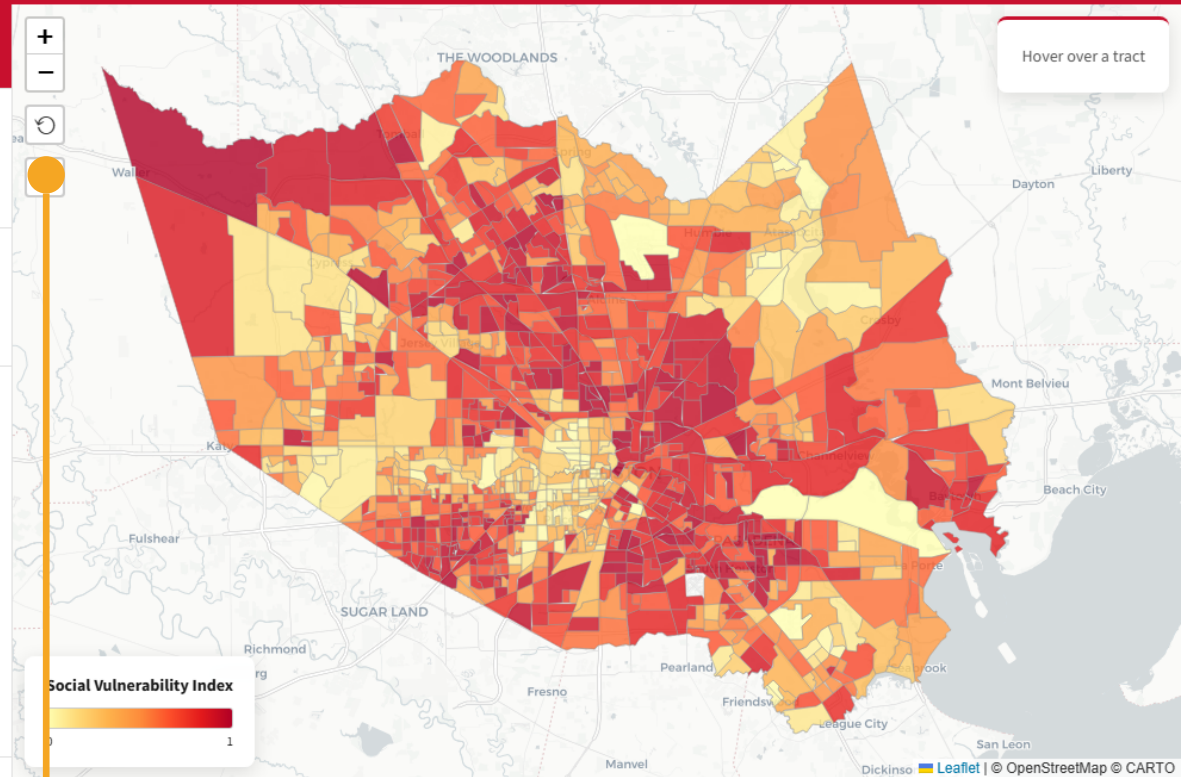
### YEAR

### INDICATORS

#### CATEGORY

#### ALL INDICATORS

#### VRAP MEASURE



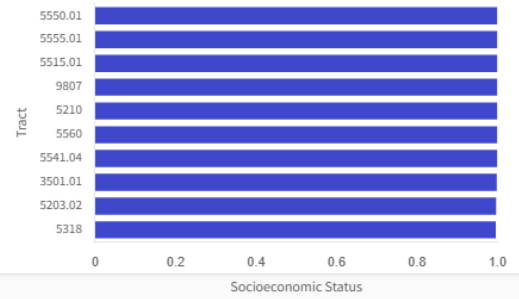
Click the **screenshot button** to download the current map view as an image



Top 10 Tracts by Social Vulnerability Index

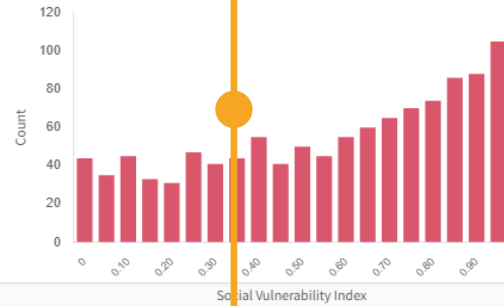


Top 10 Tracts by Socioeconomic Status



DISTRIBUTION

Distribution of Social Vulnerability Index



DISTRIBUTION

Distribution of Socioeconomic Status



Scroll down to see bar charts showing the **Top 10 Tracts** for each selected variable, and **histograms** showing the distribution of values across all census tracts

[Download Data](#)[Download Data Dictionary](#)Show 15 entries

|    | State TL | County TL | Tract TL | Socioeconomic Status TL | Household Composition & Disability TL | Minority Status & Language TL | Housing Type & Transport |
|----|----------|-----------|----------|-------------------------|---------------------------------------|-------------------------------|--------------------------|
| 1  | Texas    | Harris    | 530600   | 0.982                   | 0.793                                 | 0.706                         |                          |
| 2  | Texas    | Harris    | 534002   | 0.846                   | 0.969                                 | 0.851                         |                          |
| 3  | Texas    | Harris    | 521100   | 0.834                   | 0.235                                 | 0.928                         |                          |
| 4  | Texas    | Harris    | 553500   | 0.529                   | 0.970                                 | 0.132                         |                          |
| 5  | Texas    | Harris    | 532700   | 0.627                   | 0.787                                 | 0.635                         |                          |
| 6  | Texas    | Harris    | 232100   | 0.428                   | 0.637                                 | 0.908                         |                          |
| 7  | Texas    | Harris    | 410402   | 0.245                   | 0.285                                 | 0.014                         |                          |
| 8  | Texas    | Harris    | 340302   | 0.399                   | 0.883                                 | 0.079                         |                          |
| 9  | Texas    | Harris    | 332900   | 0.507                   | 0.866                                 | 0.889                         |                          |
| 10 | Texas    | Harris    | 323200   | 0.991                   | 0.805                                 | 0.706                         |                          |

Visit the **Data** tab to view and  
download the data and data dictionary



## CITATION

Perez Argüelles, M. P., Buttorff, G. J., Pinto, P. M., Sipole, S. L., Vallejo, A. & Wong, M. C. (2022). *Vulnerability, Resiliency, Adaptability, and Preparedness in Harris County* [White paper]. Center for Public Policy, Hobby School of Public Affairs.

Created by *Srinath Satuluri* based on beta version by *Civis Analytics*

Visit the **Methods** tab to read more about the methodology and find the **Citation**



Hobby School of Public Affairs  
UNIVERSITY OF HOUSTON