



# The Social Vulnerability Index and Louisiana Region 8



Planning for Vulnerable Populations

# Social Vulnerability<sup>1</sup>

- Every community must prepare for and respond to hazardous events, whether a natural disaster like a tornado or disease outbreak, or a human-made event such as a harmful chemical spill.
- Factors, including poverty, lack of access to transportation, and crowded housing may weaken a community's ability to prevent human suffering and financial loss in a disaster. These factors are known as **social vulnerability**

<sup>1</sup>CDC/ATSDR, 2020 <https://svi.cdc.gov/>

# What is the SVI?<sup>1</sup>



- CDC created databases to help emergency response planners and public health officials identify and map communities that will most likely need support before, during, and after a hazardous event.
- SVI uses U.S. Census data to determine the social vulnerability of every census tract. Census tracts are subdivisions of counties.
- The SVI ranks each tract on 16 social factors and groups them into four(4) related themes.
- Each tract is “mapped” and receives a separate ranking for each of the four themes, as well as an overall ranking.

# SVI Themes

- **Socioeconomic Status:**
  - Poverty, Unemployed, Per Capita Income, No High School Diploma
- **Household Composition/Disability:**
  - Aged 65 and Over, Aged 17 and Younger, Single-parent Household, Aged 5 and over with a Disability.
- **Race/Ethnicity/Language:**
  - Minority, English Language Ability
- **Housing/Transportation:**
  - Multi-unit, Mobile Homes, Crowding, No Vehicle, Group Quarter

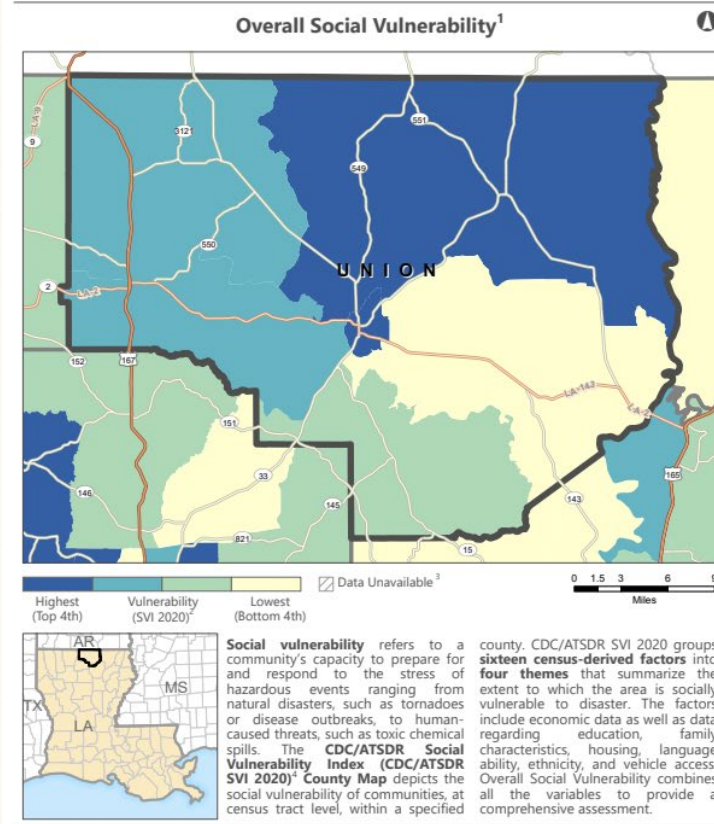


# Example – Union Parish

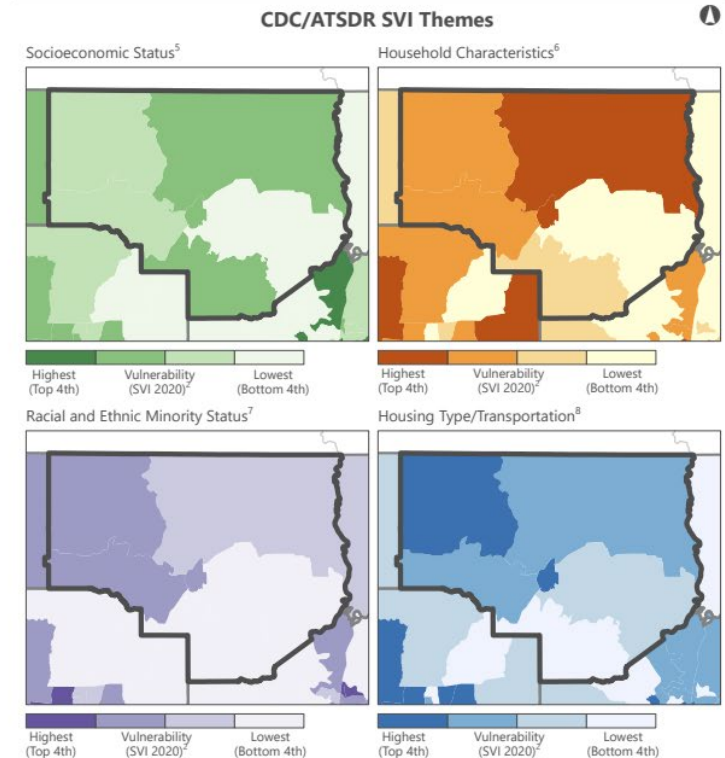
Overall Ranking

4 Themes Ranked

CDC/ATSDR Social Vulnerability Index 2020  
UNION PARISH, LOUISIANA



CDC/ATSDR SVI 2020 – UNION PARISH, LOUISIANA



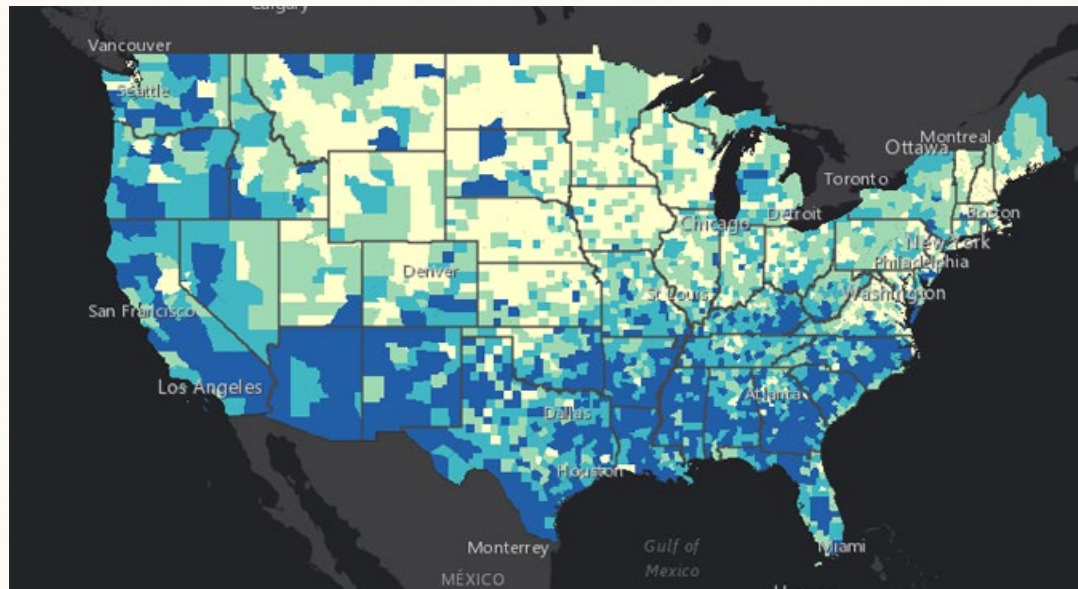
**Data Sources:** <sup>1</sup>CDC/ATSDR/GRASP; U.S. Census Bureau; Esri® StreetMap™ Premium.  
**Notes:** <sup>1</sup>Overall Social Vulnerability: All 16 variables. <sup>2</sup>Census tracts with 0 population. <sup>3</sup>The CDC/ATSDR SVI combines percentile rankings of US Census American Community Survey (ACS) 2016-2020 variables, for the state, at the census tract level. <sup>4</sup>Socioeconomic Status: Below 150% Poverty, Unemployed, Housing Costs Burden, No High School Diploma, No Health Insurance. <sup>5</sup>Household Characteristics: Aged 65 and Older, Aged 17 and Younger, Civilian with a Disability, Single-Parent Household, English Language Proficiency. <sup>6</sup>Race/Ethnicity: Hispanic or Latino (of any race); Black and African American, Not Hispanic or Latino; American Indian and Alaska Native, Not Hispanic or Latino; Asian, Not Hispanic or Latino; Native Hawaiian and Other Pacific Islander, Not Hispanic or Latino; Two or More Races, Not Hispanic or Latino; Other Races, Not Hispanic or Latino. <sup>7</sup>Housing Type/Transportation: Multi-Unit Structures, Mobile Homes, Crowding, No Vehicle, Group Quarters.  
**Projection:** NAD 1983 UTM Zone 15N.  
**References:** Flanagan, B.E., et al., A Social Vulnerability Index for Disaster Management. *Journal of Homeland Security and Emergency Management*, 2011. 8(1).  
CDC/ATSDR SVI web page: <https://www.atsdr.cdc.gov/placeandhealth/svi/index.html>.

# SVI Can Factor into:

- Allocate emergency preparedness funding by community need.
- Estimate the amount and type of needed supplies like food, water, medicine, and bedding.
- Decide how many emergency personnel are required to assist people.
- Identify areas in need of emergency shelters.
- Create a plan to evacuate people, accounting for those who have special needs, such as those without vehicles, the elderly, or people who do not understand English well.
- Identify communities that will need continued support to recover following an emergency or natural disaster.

# Accessing SVI

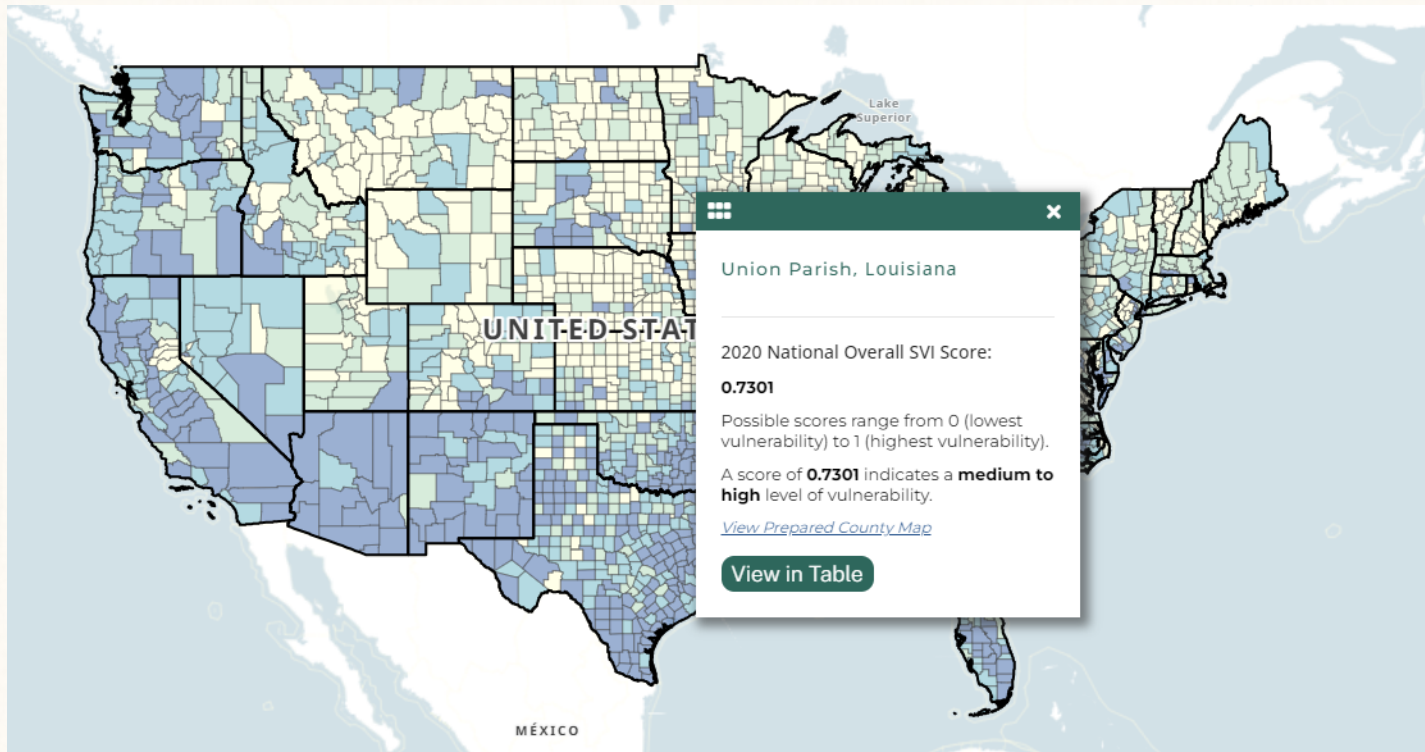
- Home page <https://svi.cdc.gov/>





# Navigating

- Go to...
  - <https://svi.cdc.gov/> > Prepared County Maps >
    - Complete the drop-downs > View County Map





# Region 8 – SVI Links by Parish

- Union Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Union.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Union.pdf)
- Morehouse Parish
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Morehouse.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Morehouse.pdf)
- West Carroll Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_West%20Carroll.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_West%20Carroll.pdf)
- East Carroll Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_East%20Carroll.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_East%20Carroll.pdf)

# Region 8 – SVI Links by Parish (con't)

- Lincoln Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Lincoln.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Lincoln.pdf)
- Jackson Parish
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Jackson.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Jackson.pdf)
- Ouachita Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Ouachita.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Ouachita.pdf)
- Caldwell Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Caldwell.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Caldwell.pdf)

# Region 8 – SVI Links by Parish (con't)

- Richland Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Richland.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Richland.pdf)
- Madison Parish
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Madison.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Madison.pdf)
- Franklin Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Franklin.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Franklin.pdf)
- Tensas Parish:
  - [https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020\\_Tensas.pdf](https://svi.cdc.gov/Documents/CountyMaps/2020/Louisiana/Louisiana2020_Tensas.pdf)