

Guidance on Risk, Resilience, & Vulnerability Indices

Challenge

In recent years, there has been an increase of available indices that measure risk, resilience, and vulnerability. Although these indices have provided valuable insights into our communities, they have also prompted some confusion over which index to use, when to use it, and for what purpose.

Guidance

The goal of this guidance is to assist the emergency management/public safety community in quickly understanding which indices are available, the data and methodologies behind them, and their relevance for use in preparedness and response.



Indices Included in this Guidance:

- CDC Social Vulnerability Index (SVI)
- Social Vulnerability Index for the United States (SoVI®)
- Community Resilience Indicator Analysis (CRIA)
- Baseline Resilience Indicators for Communities (BRIC)
- National Risk Index (NRI)

Overview Comparison Chart

View the Social Indices Overview Chart to see a side-by-side comparison of the 5 indices.

	CDC SVI	SoVI®	CRIA	BRIC	NRI (Coming Soon)
Stated Objective	Social Vulnerability	Social Vulnerability	Community Resilience	Community Resilience	Risk
Full Title	CDC Social Vulnerability Index for the United States	Social Vulnerability Index for the United States	Community Resilience Indicator Analysis	Baseline Resilience Indicators for Communities	National Risk Index
Owner	Centers for Disease Control and Prevention (CDC)	University of SC Health & Behavioral Research Institute (UHBI)	FEMA National Integration Center (NIC) Regional National Lab	University of SC Health & Behavioral Research Institute (UHBI)	Federal Emergency Management Agency (FEMA)
Coverage	• County • Census Tract	• County • Census Tract	• County • Census Tract	• County • Census Tract	• County • Census Tract
Geography	• Continental US • Alaska • Puerto Rico	• Continental US • Alaska • Puerto Rico	• Continental US • Alaska • Puerto Rico	• Continental US • Alaska • Puerto Rico	• Continental US • Alaska • Puerto Rico
Intended Audience	No	No	No	No	No
Description	The CDC SVI assesses a community's ability to prepare for, respond to, and recover from hazardous events, and ranks health-related disparities and may contribute to the well-being of the most vulnerable.	SoVI® assesses a county's ability to prepare for, respond to, and recover from hazardous events, and ranks health-related disparities across the nation.	CRIA provides four individual community resilience scores and an overall community resilience score.	BRIC describes the difference in community resilience among counties within the state and within the nation.	NRI assesses a community's vulnerability to natural hazards and ranks counties based on community preparedness and response to natural hazards.

Featured Sections:

- Stated Objective
- Full Title
- Owner
- Granularity
- Coverage
- Hazards Included in Analysis
- Description
- Output
- Variables Overview
- Index Release Date
- Index Access
- Target Audience

Variables Comparison Chart

View the Variables Comparison Chart to take a deep dive into the individual variables (or inputs) that make up each of the 5 indices.

Variables Comparison Chart

The chart below outlines the various variables/inputs used in each index. Variables are listed in the same row to denote that they are similar; this does not imply that the variables are identical.

More information on these variables can be found on the various [index detail pages](#).

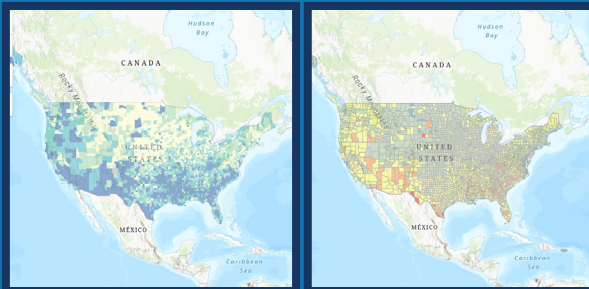
*The FEMA National Risk Index (NRI) contains both SoVI and BRIC variables. Therefore, the table below lists both SoVI and BRIC variables in the NRI column.

Demographic Variable/Inputs	CDC SVI	SoVI®	CRIA	BRIC	NRI (Coming Soon)
% Persons 65 years of age or older	..	% Persons 65 years of age or older	Age % Population age 65 and older	Prevalence age % Population 65 years of age	% Population under 5 years or over 65 age
% Persons 17 years of age or younger	Prevalence age % Population under 18 years of age
Median age	..	Median age	Median age
% Minority	% Minority
% Non-Hispanic population	..	% Non-Hispanic population	% Non-Hispanic population
% Hispanic population	% Hispanic population

Featured Variables:

- Demographic
- Economic
- Household Composition
- Employment
- Transportation
- Community
- Health
- Government/Infrastructure
- Environment/Energy

Compare and Explore Indices



Compare vulnerability and resilience within communities with CDC SVI and CRIA interactive maps.

Now What?

Access the full guidance at <https://arcg.is/qbT9a>



Help to further inform this guidance by filling out our survey! Go to <https://arcg.is/1fTzSW> or scan the QR code with your mobile device.