

How to design the Arizona Social Vulnerability Index (AzSVI)

June 6-7, 2023

Arizona Rural Health Conference | Flagstaff, AZ

Holly Starr | Data Equity Coordinator

Matthew Roach | Vital Statistics Manager



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Learning Objectives

- 1) What data is in the Arizona Social Vulnerability Index?
- 2) Data visualization best practices
- 3) Strategies for bringing together community data groups



Background

- Social determinants of health data shows us community-level factors that may be contributing to health disparities
- The CDC Social Vulnerability Index (SVI) brings together many different factors at once and estimates places in greatest need during an emergency
 - The SVI was created using a national-level analysis, not accounting for Arizona specific conditions

How can we use the SVI?

- Know where to target resources when resources are limited
- Estimate how many emergency personnel and services are needed to assist people
- Reference it in a response to a grant to address a need in your community



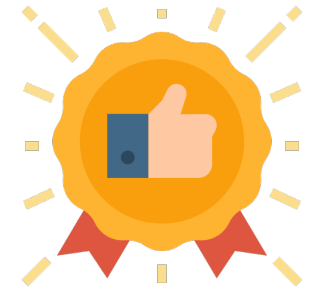
Collaboration

ADHS is partnering with **Arizona State University** and the **Data Advisory Committee** to develop an Arizona specific SVI

The Data Advisory Committee

- 50+ organizations represented
- Local public health, healthcare, nonprofit, Tribal, University
- Brings community insight to the table and advises ADHS on how to implement data projects with equity

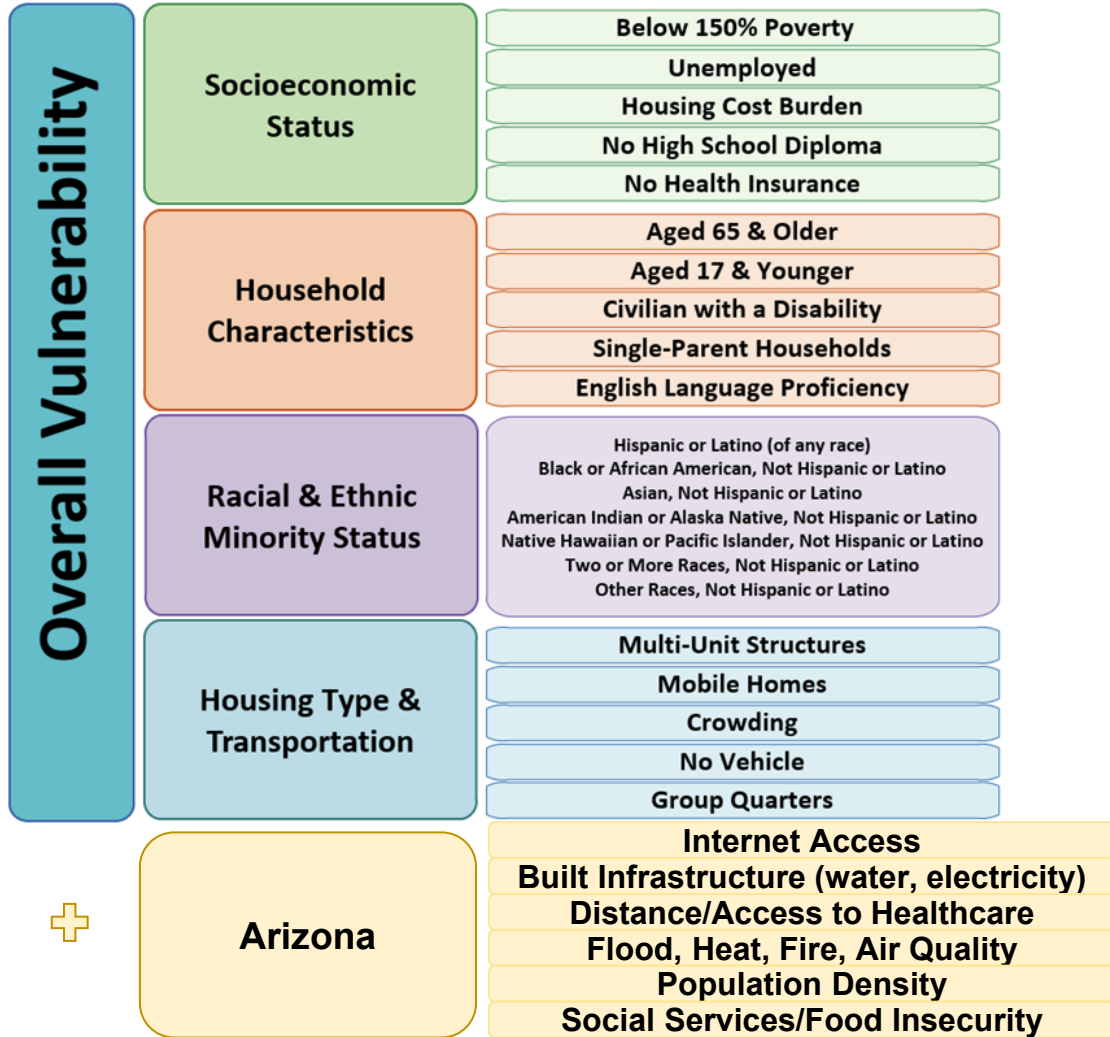
Data Viz Best Practices



- Partner with the community
- Provide clear explanations
- Make data actionable and address root causes
- Disaggregate data
- Use representative images/icons
- Remove bias in sorting and in use of color

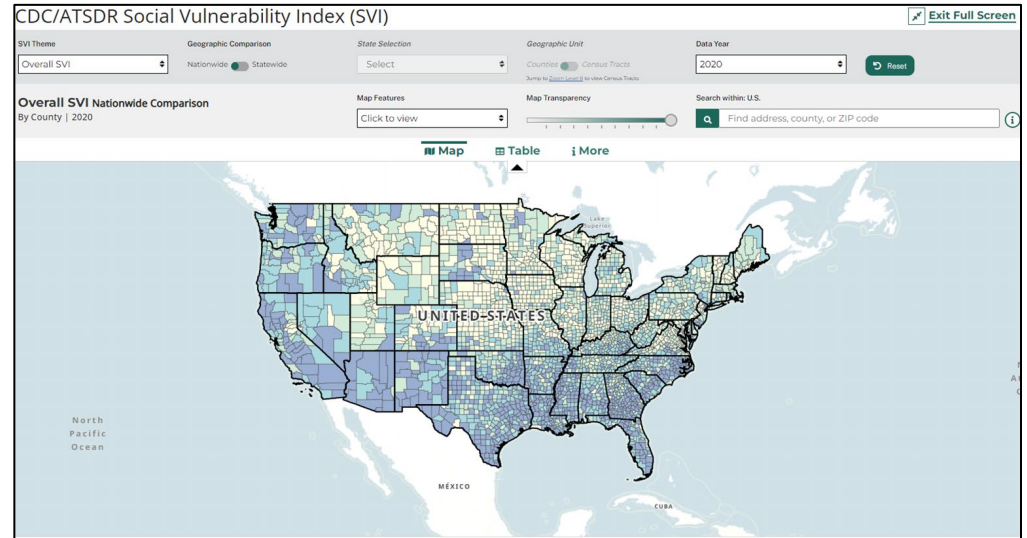
Arizona SVI

In addition to the first four themes on the right, which are in the CDC's SVI, ASU, ADHS, DAC, intend to create a **fifth theme that is unique to Arizona** and/or not addressed in the existing CDC themes



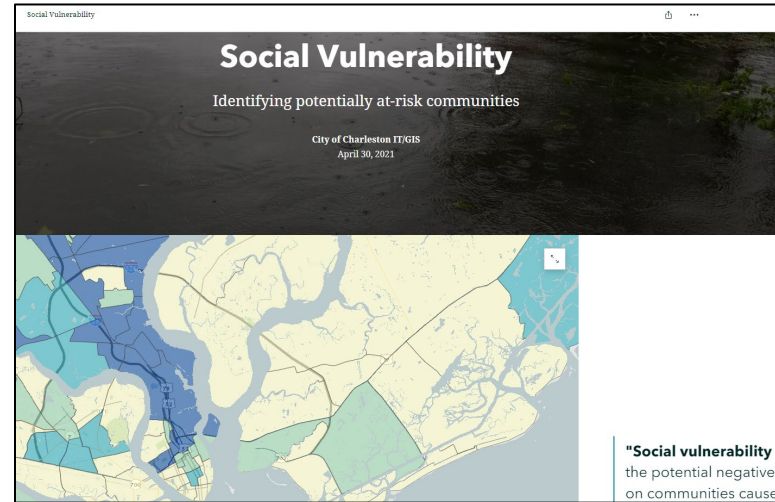
Webmap example

CDC/ATSDR Social Vulnerability Index



Storymap example

City of Charleston



slido

Join at
slido.com
#1538 688





ARIZONA DEPARTMENT
OF HEALTH SERVICES

Real Stories

Would you like to share your story of how these factors impact the health of your community?

We are doing a small sample of interviews to collect stories to share alongside the AzSVI data. **If you're interested in learning more please reach out to Holly after the session!**

Acknowledgements

ADHS

- Nicole Eiden
- Wes Kortuem
- Josue Barboza
- Siman Qaasim
- Gerilene Haskon

Arizona Data Advisory Committee Members

ASU

- Dr. Tim Lant
- Dr. Patricia Solis
- Dr. Kerri Rittschof
- Dr. Michael Simeone
- Dr. Mason Mathews
- Anna Gaylord
- Talia Hernandez
- Brajesh Karna
- Krisha Vijay Gala
- Anna Hartman
- Maame Amoa-Asare

Thank you!

holly.starr@azdhs.gov
matt.roach@azdhs.gov

azdhs.gov/azhip



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans