Community Resilience Planning
Understanding & Integrating Social Stressors
for
Vulnerable Populations

Least Prepared – Hardest Hit – Longest Recovery

CAPE COMMUNITY COORDINATION FOR COVID- 19

BUILDING LOCAL CAPACITY

ONE COMMUNITY' S STORY

Cape Community Coordination for COVID-19
Connecting, Coordinating, Evolving As We Go

Who? Voluntary coalition of civic & community organizations with 80+ partners

What? Filling a gap: Coordinating local pandemic response in the Cape region - skills, resources, information, & logistics

How? Communications!
- Facilitate connections & regular communications among partners
- Identify issues & critical needs
- Landscape research & analysis
- Collaborate to define/implement solutions: share resources; organize logistics; issue public appeals
- Facilitate connections and/or opportunities [County/State/Federal/Philanthropic]

Why?
- Give vulnerable populations a seat at the table
- Stretch collective reach of finite, aggregate resources to adequately serve vulnerable populations
- Shed light on social needs, inequities, and impact to influence planning & policy

Cape Community Coordination for COVID-19
Connecting, Coordinating, Evolving As We Go

Impacts to Date

Health

Coordinated thousands of masks during early shortages
Promoted blood donations

Nutrition

Located and mapped emergency food resources overlaying social vulnerability indicators countywide
Identified gaps, redundancies, inefficiencies, and opportunities
Organized logistics for better coverage and distribution
Developed more effective communications strategies to reach vulnerable populations

Connection

Partnered with a New Castle foundation to provide technology devices to students
Ongoing subcommittee to address senior isolation through outreach, wellness checks, and errand support

General

Developed resource infographics for individuals/families and nonprofits/small businesses, providing links to navigate help for nutrition, housing, utilities, unemployment assistance, education, grants, loans, business support, and consulting

Critical Need Case Study
Nutrition: Emergency Food & Related Resources

Critical Need Case Study
Data/Information > Analysis > Action

Organizing the 'Mess'

Barriers

Access/Fear
Language
Lack of internet connectivity & devices
No vehicle

Resource Adequacy

Supply chain disruptions
Short supply of non-SNAP-eligible items
Clean drinking water

Inefficiencies

Recently unemployed/First-time/Didn't know how to navigate
Some clients driving long distances
Individual food deliveries to homeless students & sheltered
Sussex resources underrepresented on statewide maps

Knowledge Gaps

Continuity of school lunch program
Location & adequacy of emergency food resources, especially western Sussex
Overall extent of need

Process

Partner Feedback Loop

Data, process, capacity, and obstacles
Updates and outcomes

Research [extended countywide]

Statistical Data
Local Information
'Boots on the ground'

Mapping Analysis Tools

Simple public-facing map for electronic access
More comprehensive internal map [UD collaboration]
- Plot information
- Overlay Social Vulnerability factors
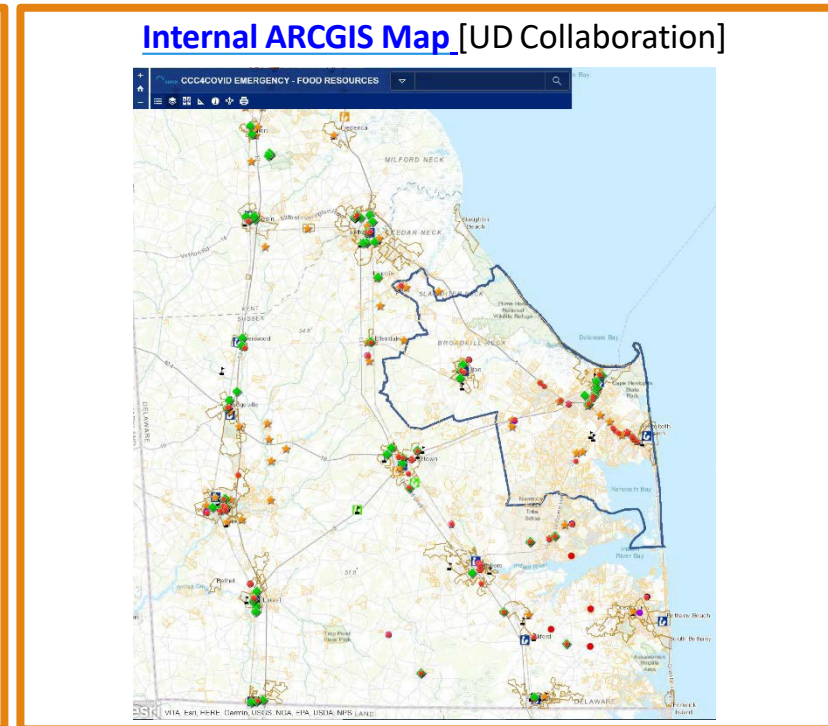- Interactive/all relevant analytic 'layers'
- Customizable

Communications

Landscape report
Electronic v. Hard copy
Dissemination plan

Mapping - Visualization
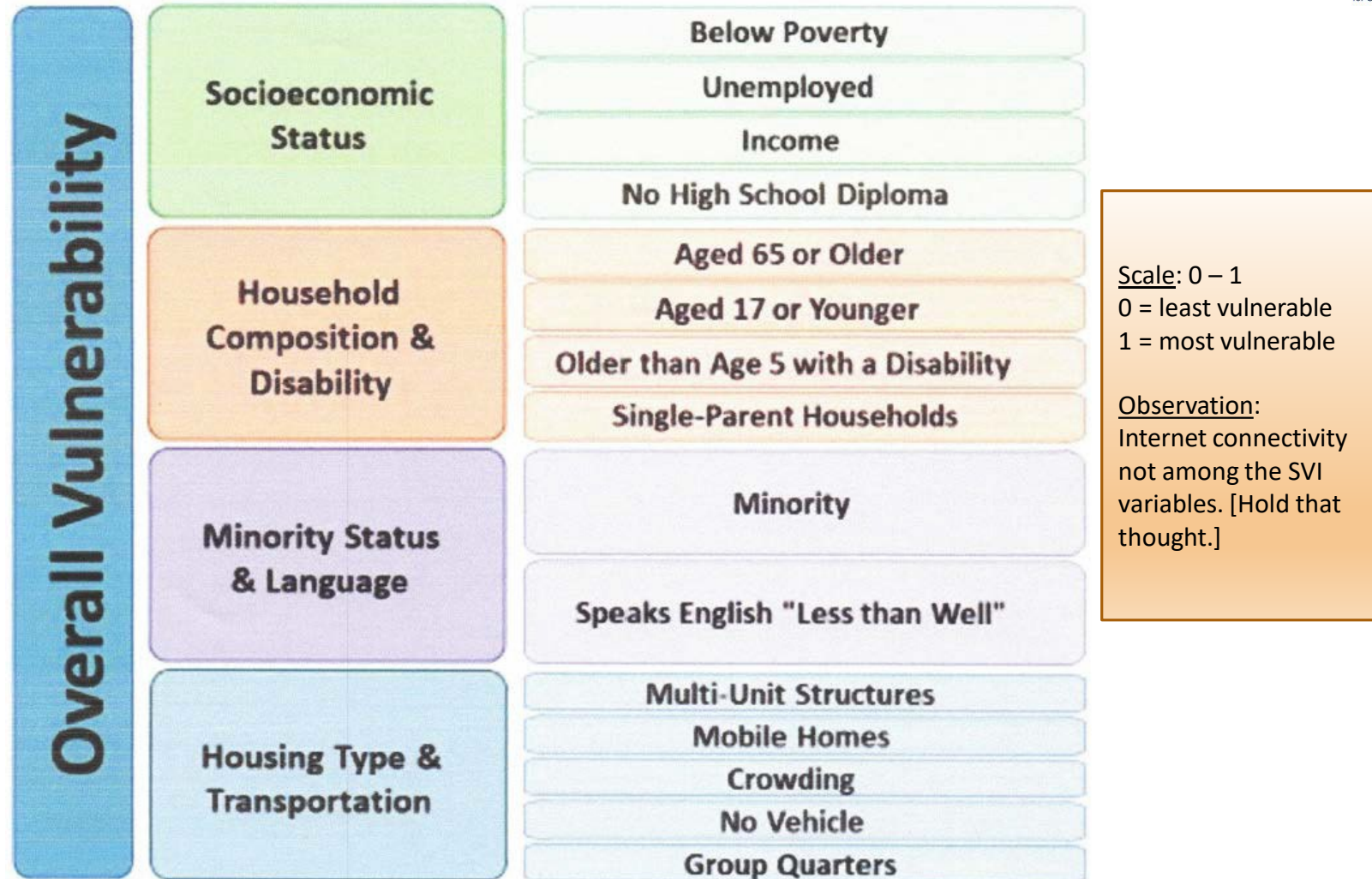*Public Info Resource v. Internal Analysis Tool*

Public-Facing Easy Map

Internal ARCGIS Map [UD Collaboration]
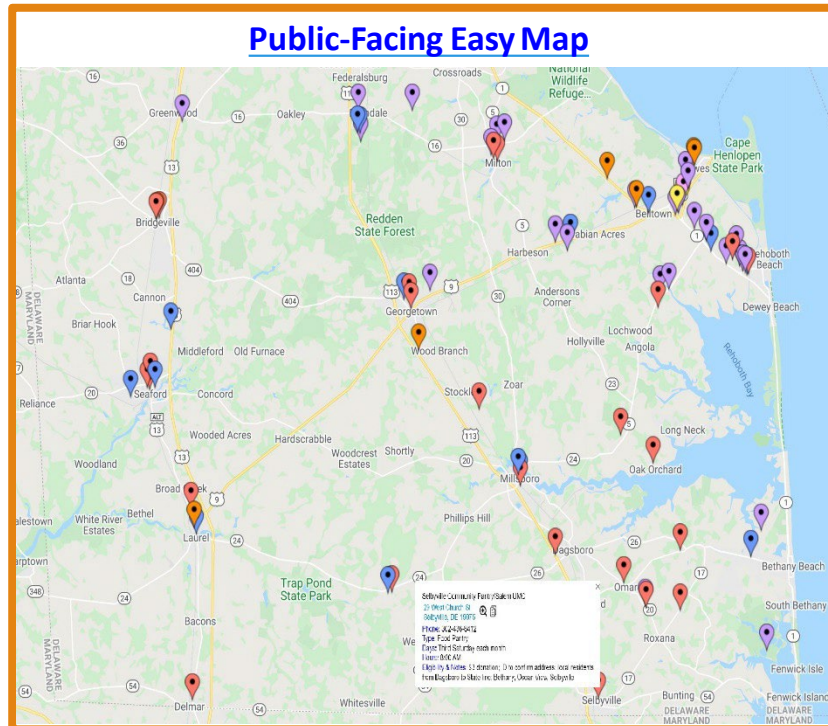
One-Click for Pop-up Site Info

CCC4COVID Area Outlined [CHSD]

Social Vulnerability Index Factors
Resilience Barriers

| Overall Vulnerability	Socioeconomic Status	Below Poverty
		Unemployed
		Income
		No High School Diploma
	Household Composition & Disability	Aged 65 or Older
		Aged 17 or Younger
		Older than Age 5 with a Disability
		Single-Parent Households
	Minority Status & Language	Minority
		Speaks English "Less than Well"
	Housing Type & Transportation	Multi-Unit Structures
		Mobile Homes
		Crowding
		No Vehicle
		Group Quarters

Scale: 0 – 1
0 = least vulnerable
1 = most vulnerable

Observation:
Internet connectivity not among the SVI variables. [Hold that thought.]

Link: CDC SVI Documentation

28

Mapping
Overlay SVI Factors - Gauge Coverage/Identify Issues

Mapping
Overlay SVI Factors – Drill into Detail

One click for data and component composition
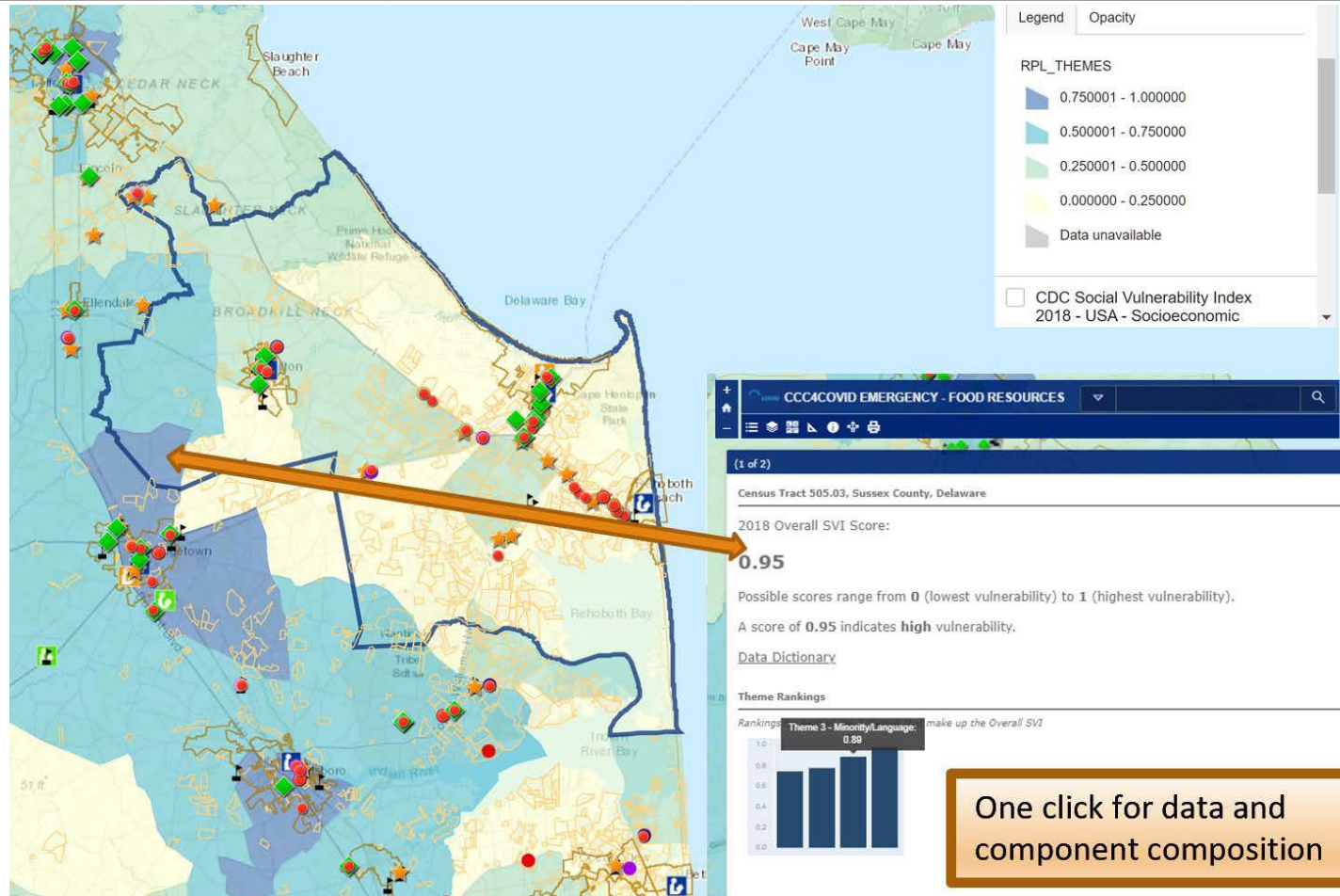
Mapping
Other Relevant Data & Stressors
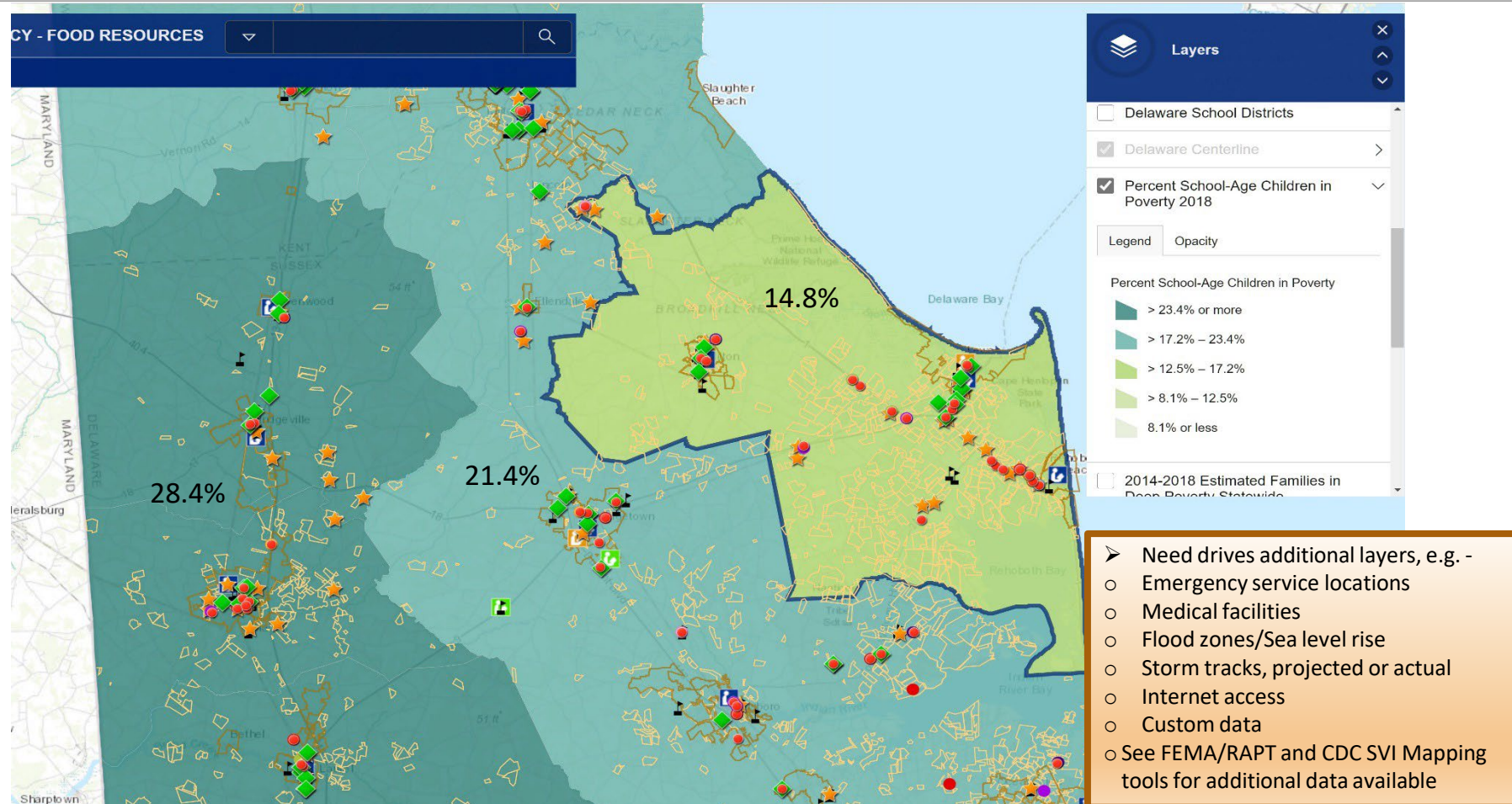
Critical Need Case Study
Data > Analysis > Action

What We Learned*

- ID'd coverage gaps/potential overlaps*
- Better resource allocation/logistics*
- Unavailability of non-SNAP essentials
- Anecdotal reports of inadequate resources were inaccurate*
- Higher eligibility barrier[s] in higher minority % areas a possible deterrent*
- Overlap in limited internet access, higher minority %, and high socioeconomic factors needing heightened attention*
- Inadequate, piecemeal public communication

Actions We Took

- Facilitated partner communication/collaboration
  - Organized coverage/delivery logistics
  - Reallocated resources to shortfalls
- Spearheaded community drive for essential non-SNAP-eligible items
- Communications/info sharing
  - Ongoing partner feedback loop
  - 'Easy' public-facing resource map
  - Internal analytic tools [map+]
  - Detailed resource flyers in 3 languages
  - Electronic & manual distribution
- Shared mapping with DE 211 and DDA

*Highlighted items: SVI & other social stressors were key analytic components

Critical Needs Case Study
Assessment

Successes	*Work in Progress*
Leveraging the power of networking to communicate, analyze, collaborate, share **Extending collective reach of finite, aggregate resources** **Systemic grasp of emergency food resources and community resiliency!** **Positive public engagement** **Potential to replicate model** ◦ Ag Department adopted ARCGIS map to track & disseminate info on emergency food distribution resources* ***Better represent and serve vulnerable populations!***	**Collaboration with county & state resources** **Increasing learning curve on analytic tools** ◦ Opportunity for state level developed & managed interactive mapping tool at the state level [plug & play]? **Upkeep/maintenance of info, data, & tools** **Ongoing public engagement** **Sustainability of CCC4COVID [all-volunteer]** **Replication of model to benefit other communities** **Social Vulnerability takeaways:** **The Sussex Story**

*Map expansion conducted in partnership with UD SNAP-Ed Program, DEMA, and DDA

Social Vulnerability Takeaways
The Sussex County Story

Here is what we understand so far:

Sussex is highly dependent on small businesses

Significant economic sectors are vulnerable to economic downturns, weather disasters, and pandemics [tourism/retail/education]

Almost a third of residents earn $20,000 or less

88% of SNAP benefit households need SNAP despite having at least one working member

There is an acute shortage of affordable housing

There is no financial cushion for people living day to day

Nearly one third of residents experience three or more of 12 social vulnerability risk factors

A super-majority of residents rely on automobiles for transportation

We are an attractive retirement location

The median age continues to increase

It's likely we don't have enough medical professionals to support our growing, aging population

How to integrate these social vulnerability risks into resilience planning and building?

"Vulnerable populations suffer disproportionate death, injury, loss, and disruption of livelihood."

Social Stressors
Resource Links

CDC's Social Vulnerability Index: CDC's Social Vulnerability Index (SVI)

CDC Social Vulnerability Fact Sheet: CDC SVI Fact Sheet | Place and Health | ATSDR

CDC SVI Interactive Map: The Social Vulnerability Index (SVI): Interactive Map | CDC

FEMA Resilience Analysis and Planning Tool [RAPT]:
Resilience Analysis and Planning Tool (RAPT) | FEMA.gov

FEMA National Risk Index: Primer

U.S. Census Data Tools: https://data.census.gov/cedsci/

U.S. Census Academy Learning Hub: Census Academy

University of Delaware, UDAILY, "Vulnerable Communities", Kelly Bothum, July 21, 2020 UD researchers look at social vulnerability factors and COVID-19 infection rates in the U.S.
Vulnerable communities | UDaily (udel.edu)

CCC4COVID Internal Emergency Food Resource Map
CCC4COVID EMERGENCY - FOOD RESOURCES (arcgis.com)

Cape Community Coordination for COVID-19: CCC4COVID

Cape Community Coordination for COVID-19

Connecting, Coordinating, Evolving As We Go

Thank You!

www.CCC4COVID.org
Facebook Page
(302) 858-6167
info@CCC4COVID.org