Open Data Portal & Social Vulnerability Index Application

Public Health Department
County of Santa Clara, CA

Dr. Mandeep Sidhu
Douglas Schenk

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Presentation Overview

Public Health Department Open Data Portal

Story Maps and Web-applications

Social Vulnerability Index application

Demonstration
All people thrive in healthy communities that promote equity and optimal health

Open Data Portal
Social Determinants of Health

Transforming the conditions in which people are BORN, GROW, LIVE, WORK and AGE for optimal health, mental health & well-being.

Healthy Environment
- Environmental Quality
- Neighborhood Safety/Collective Efficacy
- Housing
- Income Security
- Mental Health Services
- Culturally/Linguistically Appropriate and Competent Services

Healthy Community
- Health Care
- Food Security/Nutrition
- Built Environments
- Discrimination/Minority Stressors
- Child Development, Education, and Literacy Rates

Healthy People
- Prevention

Healthy Society

Achieving Health & Mental Health Equity at Every Level

Image courtesy of BARHI (BARHII Bay Area Regional Health Inequities Initiative)
Open Data Portal makes Data:

- Accessible
- Discoverable
- Collaborative
- Explorable
Stories About Our Data

Data Categories

- Chronic Disease and Related Risk Behaviors
- Community Health Assessments
- Demographics
- Infectious Diseases
- Injury and Violence
- Maternal and Child Health
- Small Area Profiles
- All Data
Open Data Portal

- [www.sccphd.org](http://www.sccphd.org)
- [www.sccphd.org/healthdata](http://www.sccphd.org/healthdata)
Social Vulnerability Index (SVI)
SVI

- Index is developed by Centers for Disease Control and Prevention’s (CDC) Agency for Toxic Substances & Disease Registry (ATSDR) Geospatial Research, Analysis & Services Program (GRASP)

- The SVI is a tool for emergency management and planning that answers which communities are more likely to need assistance and resources before, during, and after a disaster?

- Social vulnerability is defined as resilience of communities when confronted by external stresses on human health, such as natural or human-caused disasters or disease outbreaks
Intended Uses

- Plan best way to evacuate people, accounting those who have special needs such as people without vehicles, the elderly, or people who do not understand English well
- Estimate amount of needed supplies like food, water, medicine, and bedding
- Identify areas in need of emergency shelters

Examples of Actual Uses So Far in the County

- Office of Emergency Services
- San Jose Flood Disaster
- County Earthquake Preparedness
SVI encompasses:

- 4 major themes:
  - Socioeconomic Status
  - Household Composition & Disability
  - Minority Status & Language
  - Housing & Transportation

- Data are summarized at census tract level nationally.

- Data are ranked on each of the 15 social factors, each individual theme, and overall. The higher score, the more vulnerable that census tract is.
CDC’s SVI

- CDC compares and ranks census tract nationally.
- Hence, County of Santa Clara is compared against areas throughout the US.

County of Santa Clara SVI

- California and especially County of Santa Clara stand out of national data due to various local factors
- County census tracts are compared and ranked within the county boundaries. Hence, it helps prioritize areas relative to other county areas and better helps with local emergency management efforts.
Demonstration

Social Vulnerability Index application will be publicly launched soon via Public Health Open Data Portal

https://sccphd.maps.arcgis.com/apps/webappviewer/index.html?id=3b092baba2b540ef81f7a31bd9dd40d2
Great Things Start with Good Health