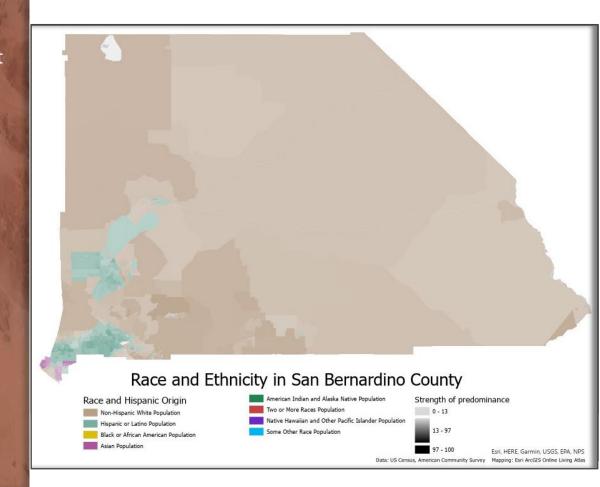


### **OVERVIEW**

- San Bernardino County is the largest county in the continental U.S.
- Diverse regions, communities and populations
- Diversity is our strength, Equity our call to action
  - Blue Zones vs. areas with lower life expectancy
  - Low to high scores on Healthy Places Index (HPI)
    - Tool developed by the PH
      Alliance of Southern California
      to advance equity in the state
  - RACE & PLACE



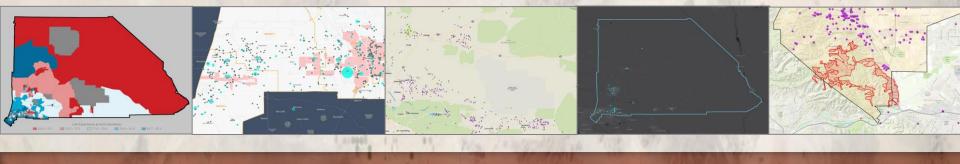
# OUR MISSION & VALUES

MISSION: Working in partnership to promote and improve health, wellness, safety, and quality of life in San Bernardino County.

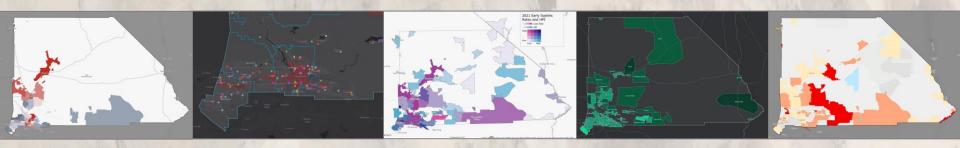
#### **OUR VALUES**

- Collaboration
- Diversity
- Equity
- Innovation
- Transparency





# How has San Bernardino County DPH applied GIS?





# DPH INITIAL USE CASES & WORKFLOWS



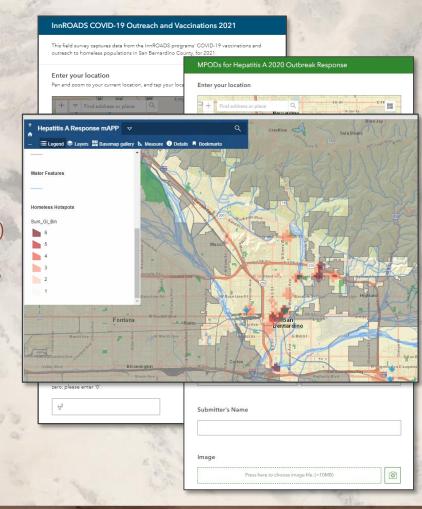
- Data collection, processing, and tracking; field applications; dashboard visualizations
- Examples of DPH programs utilizing GIS:
  - Preparedness & Response (PRP)
  - Communicable Disease Section (CDS)
  - Environmental Health Services (EHS)
  - Nutrition

## Outreach to Population Experiencing Homelessness

#### **County Collaboration**

Department of Behavioral Health (DBH) Information Services Division (ISD) Communicable Disease Section (CDS) Preparedness & Response (PRP)

- Innovative Remote Onsite Assistance Delivery (InnROADs)
- Hotspots from Point-in-Time (PIT) counts to identify areas of concern
- Provide health screenings and other services
- Hepatitis A, Influenza, and COVID-19 surveillance and vaccinations
- Increased collaboration, engagement, and service rates



# **Ensuring and Promoting Health**

Environmental Health Services (EHS)
Nutrition

- Permitted facilities, as well as non-permitted vending, tracking and response
- Vector surveillance
  - Increase trapping and mitigation; addressing public complaints
- Food Security & Charitable Feeding

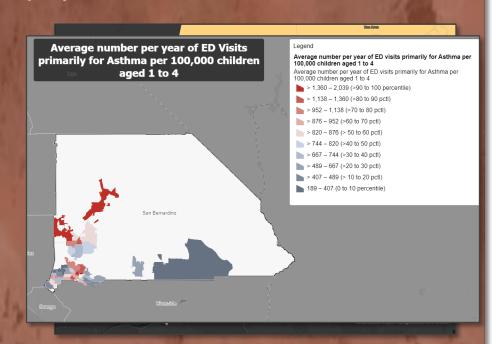




#### Access to Health Care & Services

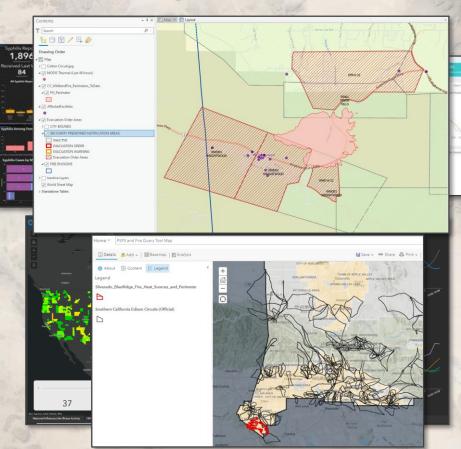
Deeper Analyses & Examining Health Equity and Barriers

- Walking Distance of Participants to WIC
   Clinics: A Spatial Analysis
- Oral Health Outreach and Education map
- Health Equity Mapping and Analysis for COVID Testing and Vaccinations
- Asthma Intervention Pilot Program maps, in collaboration with Family Health Services and First 5



## **Early Detection, Anticipation & Response**

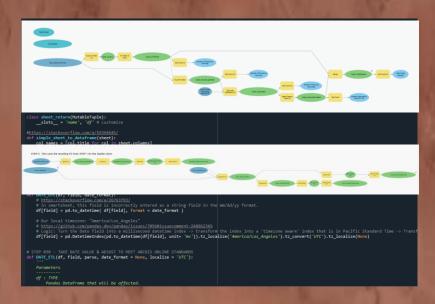
- Health Surveillance
  - Wastewater
  - Influenza-like illness (ILI), respiratory diseases, and other infections dashboards
  - Use of hospital, therapeutic, and other "nontraditional" outcome data
- Wildfire preparedness, evacuation, and response



### Research, Assessment & Planning

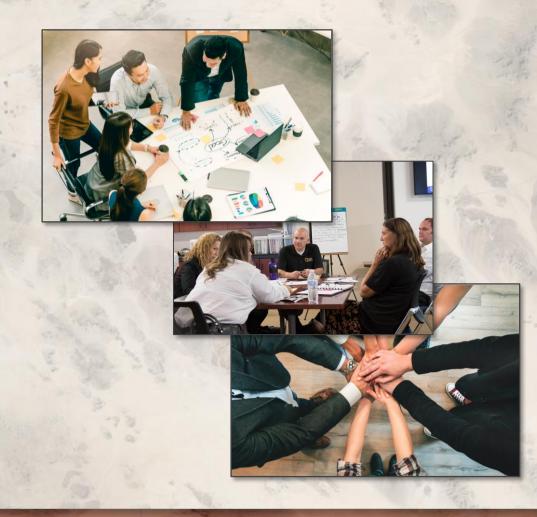
#### Future work

- Data mining social media to support health interventions and inspections
- Automations; more Extract,Transformation & Load (ETL) processes
- Opportunities to further and bolster GIS work



## THE BIG PICTURE

- Geospatial Strategy
- Impact / Invest
- ► GeoAl





**THANK YOU** 

### **QUESTIONS AND CONTACT**

