THE UCLA CENTER FOR HEALTH POLICY RESEARCH

The Implications for Covid-19 Vaccine Equity in not Disaggregating Data in Asian and Native Hawaiian and Pacific Islander Communities

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Agenda/Takeaways

- Data Disaggregation = Data Equity

- Invisibility of Filipinx/a/o in Asian Aggregated Category

- Invisibility of Native Hawaiian & Pacific Islander Population in API category or Residual category or Not Reported

- Under-representation of Asians and NHPIs in a California Equity Metric for Vaccine Allocation

- The Way Forward

Data Equity

Data are collected, analyzed, interpreted, and distributed such that marginalized communities' have access to and can use these data

Global imperative—but today's talk focuses on U.S. Asian and NHPI racial/ethnic data equity and COVID-19

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The U.S. Office of Management and Budget (OMB) Directive 15, 1997

Ethnicity

- ▪ Hispanic or Latino
- ▪ Not Hispanic or Latino

The OMB standards explain that the specified race and ethnicity categories are socio-political constructs and should not be interpreted as being scientific or anthropological in nature.

"In no case shall the provisions of the standards be construed to limit the collection of data to the categories described above. The collection of greater detail is encouraged . . ."

source: https://www.federalregister.gov/documents/2016/09/30/2016 23672/standards for maintaining collecting and presenting federal data on race and ethnicity
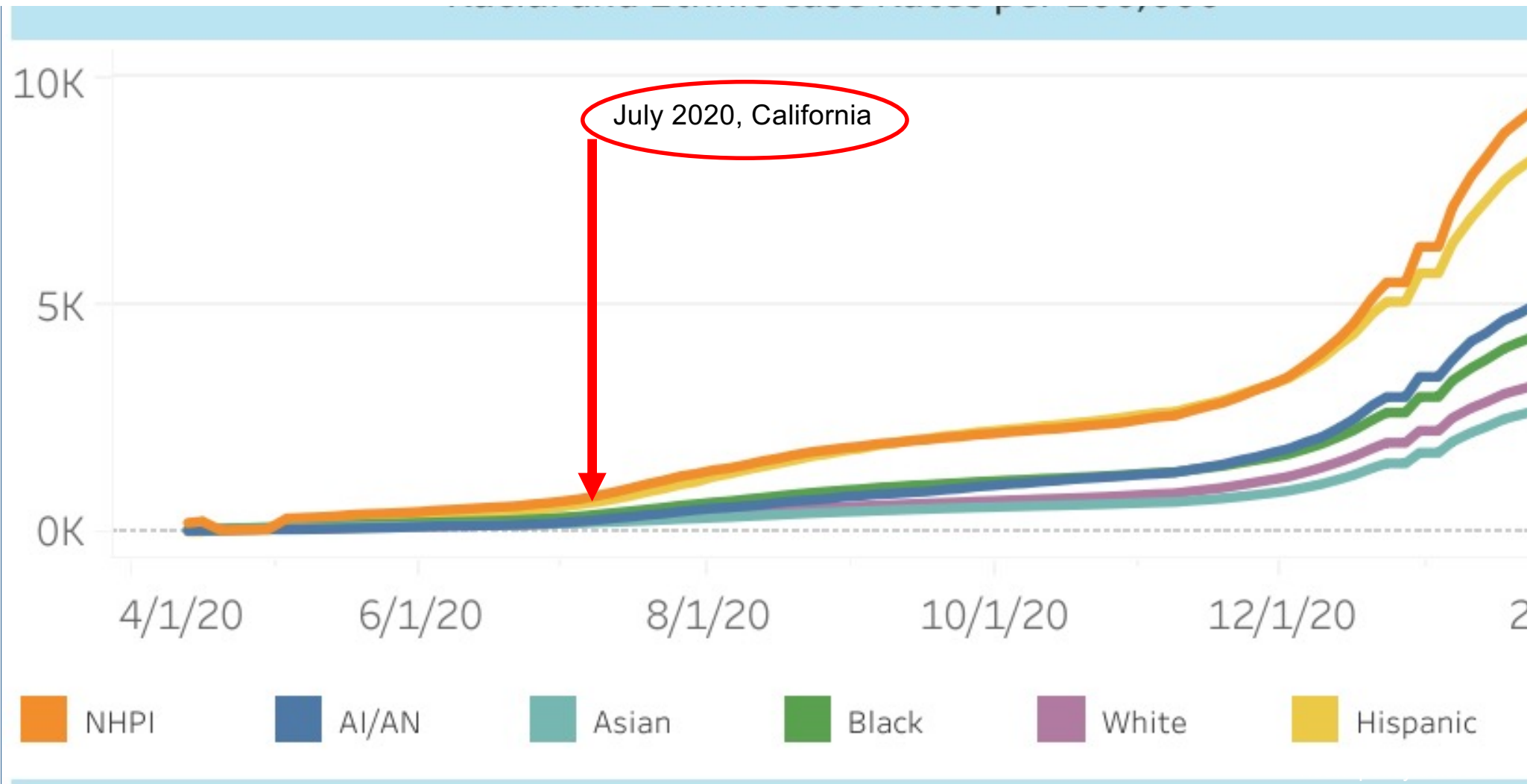
Race

- ▪ 5 minimum categories:
  - • American Indian or Alaska Native (AIAN)
  - • Asian
  - • Black or African American
  - • Native Hawaiian or Pacific Islander (NHPI)
  - • White
- • Can select one or more races

Coronavirus cases per 10,000 people

White	23
All	38
Black	62
Latino	73
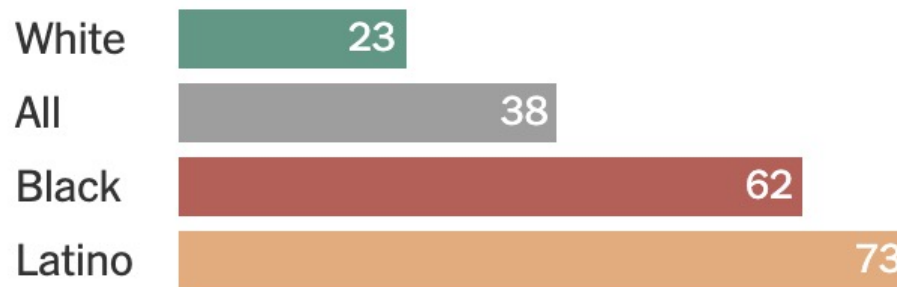
The Fullest Look Yet at the Racial Inequity of Coronavirus

By Richard A. Oppel Jr., Robert Gebeloff, K.K. Rebecca Lai, Will Wright and Mitch Smith   July 5, 2020

Racial and Ethnic case Rates per 100,000

July 2020, California

Legend:
- NHPI (orange)
- AI/AN (blue)
- Asian (teal)
- Black (green)
- White (purple)
- Hispanic (yellow)
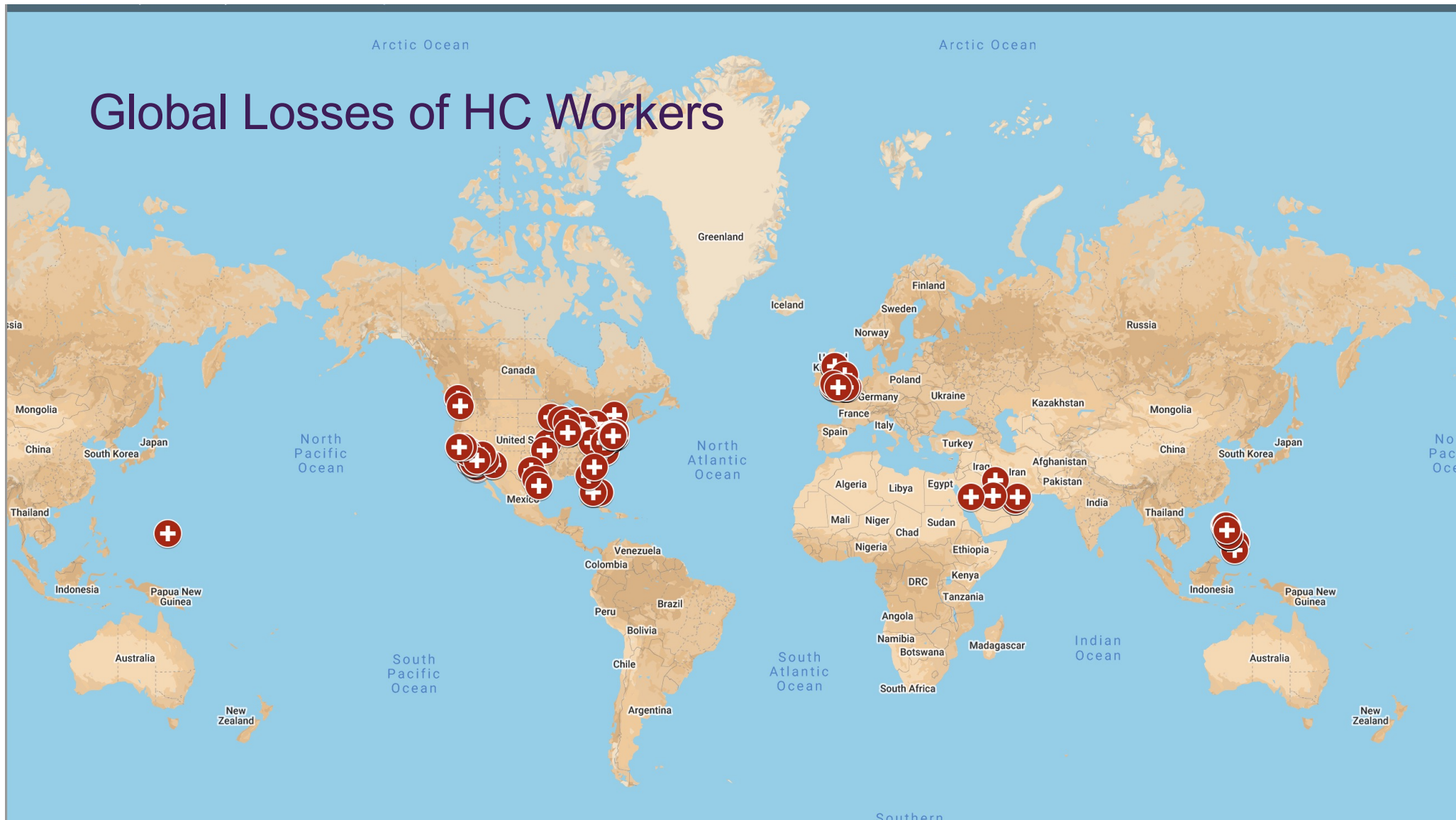
Is data accountability left to online tributes?

HONOR, VISIBILITY & RECOGNITION

KANLUNGAN is intended to be a memorial to the transnational people of Philippine ancestry who make up a huge sector of the global healthcare system.

Global Losses of HC Workers

Immigrants Make up More Than a Third of U.S. Healthworker Deaths

U.S. healthcare worker deaths from COVID-19 by country of origin up to December 23, 2020*

| Country	Deaths
United States	421
Philippines	90
Haiti	13
Nigeria	12
Mexico	9
Jamaica	7
India	7
Ghana	6
Dominican Republic	6
Cuba	6

* Out of 2,921 worker deaths documented, country of origin data was available for 660

Outsized Toll by Many Measures

- Guardian/Kaiser National data: Philippines tops the list of immigrant healthworker deaths
- National Nurses United Survey
  - 4% of RN population but 31.5% of RN Deaths
- CA Vital Stats Data: restricted data
  - 3% of population but 31% of COVID-19 Healthcare worker deaths
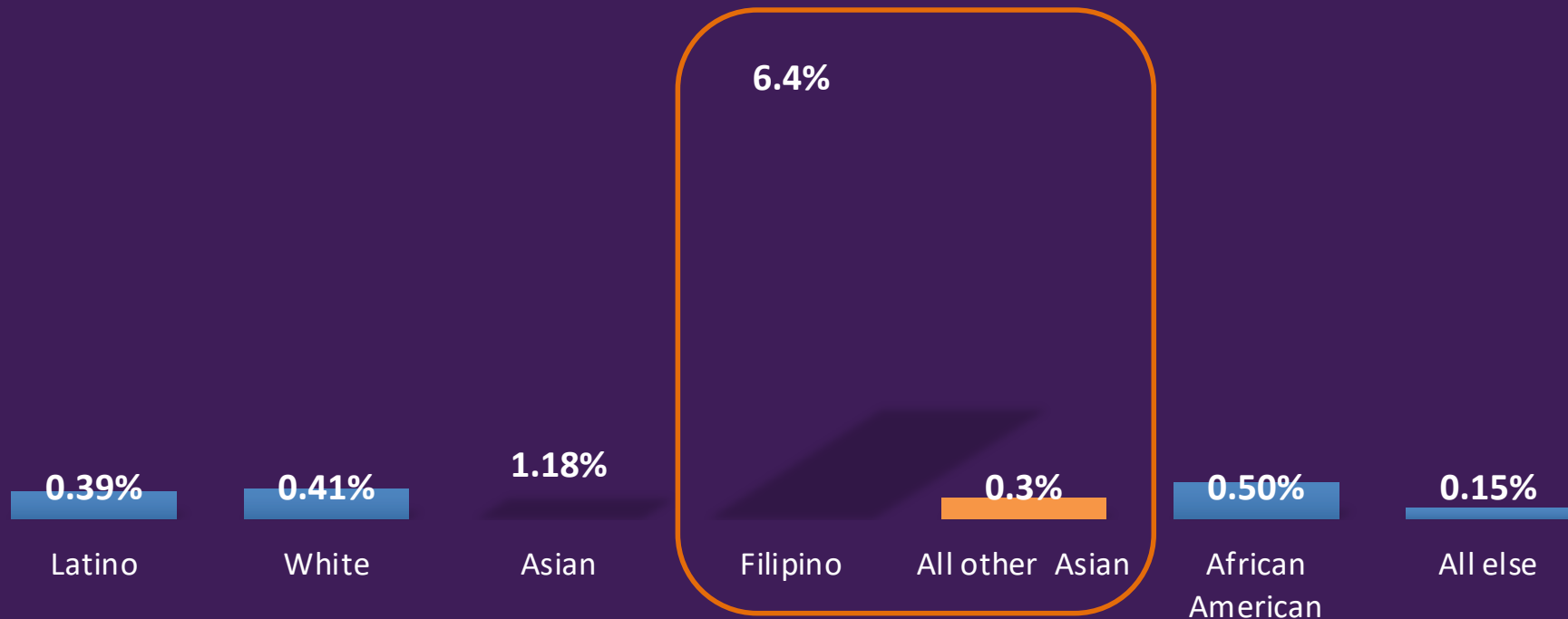
Webinar | "Hidden No More: Unmasking Data for Health Equity"

https://healthpolicy.ucla.edu/health-profiles/Pages/NHPI-COVID-19-Dashboard.aspx

Where Are NHPIs Disaggregated?

■ Reports NHPI COVID-19 Cases and Deaths
■ Does Not Report NHPI COVID-19 Cases and Deaths
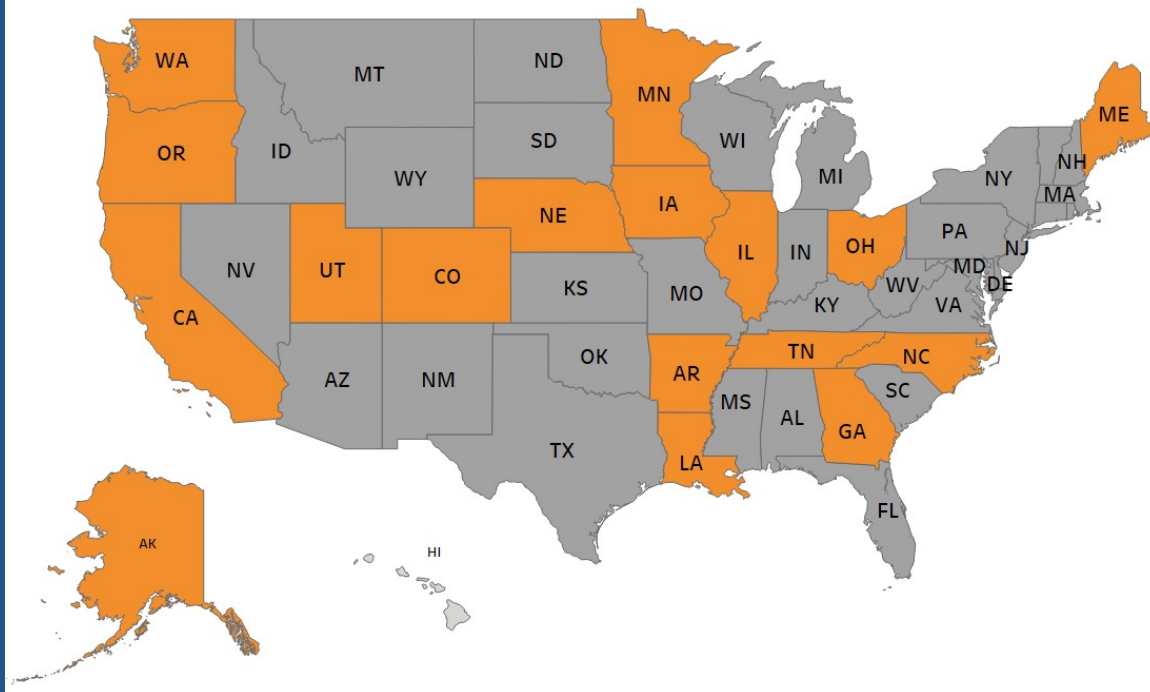
Equitable Vaccine Frameworks in the United States

Advisory Committee on Immunization Practices (ACIP) | CDC

- Recommends that allocation strategies of Covid-19 vaccines "should aim to both reduce existing disparities and to not create new disparities".

National Academy of Sciences, Engineering and Medicine (NASEM)

- "Ensure that special efforts are made to deliver vaccine to residents of **high vulnerability areas (defined as the 25 percent highest in the state)."**

18 states have used an Equity Metric for Vaccine allocation

https://scholarship.law.georgetown.edu/cgi/viewcontent.cgi?article=3351&context=facpub

Four Place-Based Vulnerability Measures

Social Vulnerability Index (SVI)

- uses 15 U.S. census/ACS variables
- SES
- Minority Status & Language
- Household composition & Disability
- Housing/Transportation

Area Deprivation Index (ADI)

- uses 17 U.S. census /ACS variables
- Groups into 4 themes
  - Poverty
  - Housing
  - Employment
  - Education

Healthy Places Index (HPI)

- uses 25 variables from ACS and other sources at census tract-level
- Groups into 8 themes
  - Economics
  - Education
  - Healthcare
  - Housing
  - Neighborhood
  - Clean Environment
  - Social
  - Transportation

Pre-existing Health Vulnerability Index

- uses six variables: diabetes, obesity, heart disease, overall health status, mental health and food insecurity—tract-level from California Health Interview Survey

Tracts in Carson CA with NHPI population representation>state %
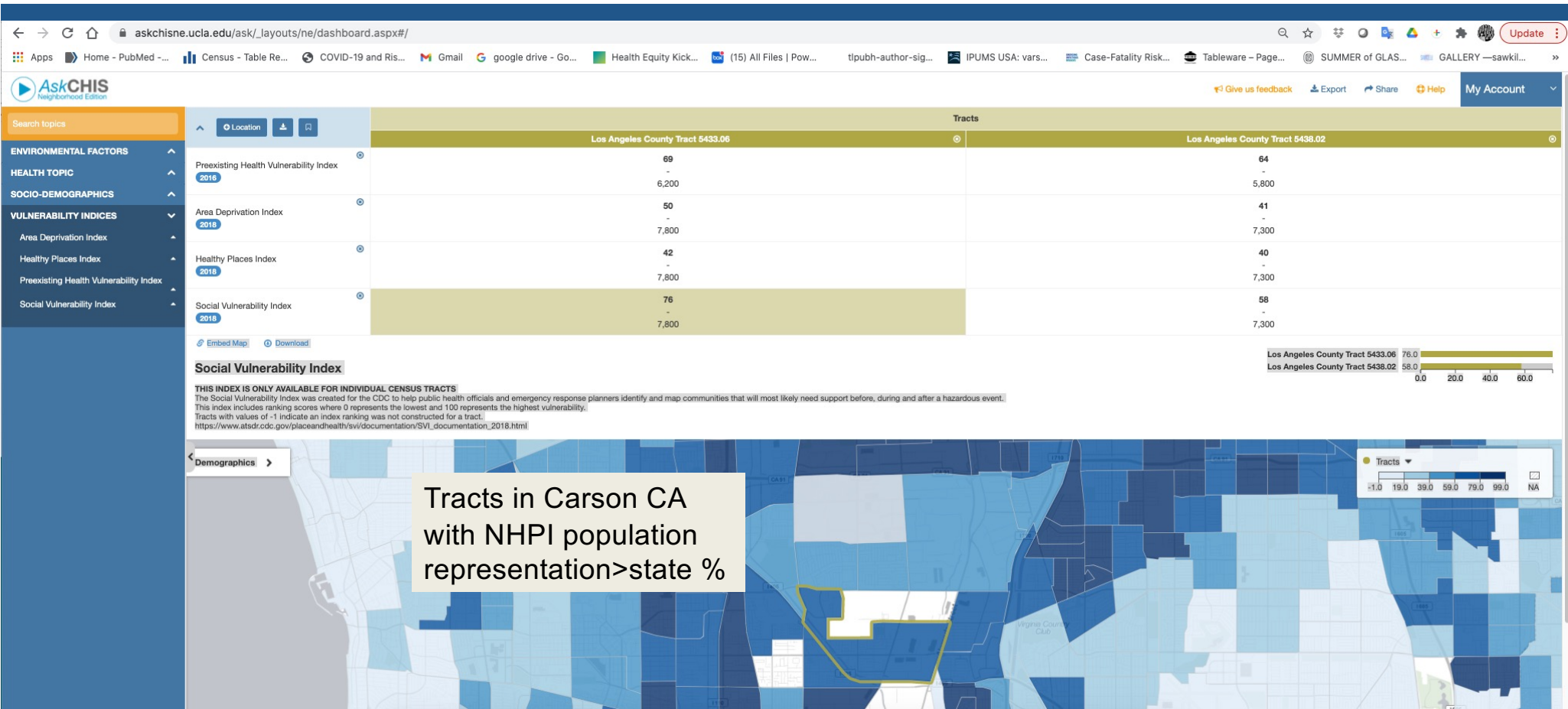
Approach

- Defined "under-representation" as relative to the percent of the county's residents that reside in 4th quartile tracts.

- The proportions residing in the 4th quartile would not be fixed at 25% and would vary. For example, 33% of LA County's residents reside in a 4th quartile tract; 8.5% of San Francisco City/County residents live in a 4th quartile tract.

- Evaluated "under-representation by race/ethnicity for 29 counties with 4th quartile residents with populations>150,000

Table 4: List of Counties with Under-represented Racial/Ethnic Groups of Color among 29 Counties with populations greater than 150,000 and with 4th Quartile Residents
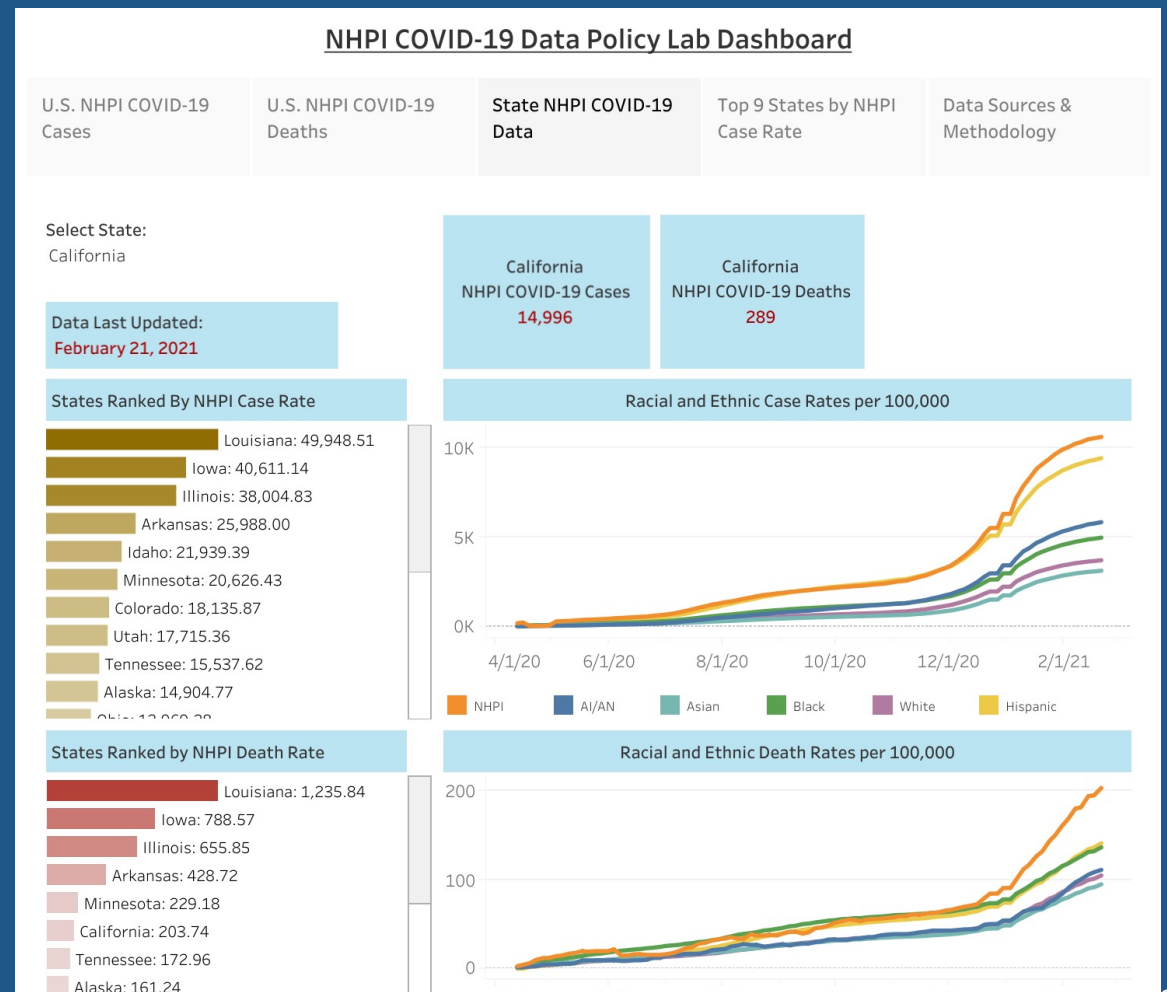
Asian (25 counties)	NHPI (17 counties)	AIAN (12 counties)	Black (10 counties)
Los Angeles	Los Angeles	Los Angeles	Orange
San Diego	San Diego	San Bernardino	Santa Clara
Orange	Riverside	Fresno	Stanislaus
Riverside	Alameda	Kern	Tulare
San Bernardino	Contra Costa	Ventura	Santa Barbara
Santa Clara	Kern	San Joaquin	Monterey
Alameda	Ventura	Tulare	Placer
Contra Costa	San Joaquin	Santa Barbara	Santa Cruz
Fresno	Stanislaus	Placer	Imperial
Kern	Santa Barbara	San Luis Obispo	Kings
Ventura	Solano	Santa Cruz	
San Joaquin	Monterey	Madera	
Stanislaus	Placer		
Tulare	San Luis Obispo		
Santa Barbara	Santa Cruz		
Solano	Butte		
Monterey	Shasta		
Placer			
San Luis Obispo			
Santa Cruz			
Merced			
Yolo			
Imperial			
Madera			
Kings			

Counties are ordered by largest to smallest in population.

Under-representation of Communities of Color in Healthy Places Index (HPI), California

Analysis by UCLA NHPI COVID-19 Data Policy Lab

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Over-representation of COVID-19 Cases and Deaths for NHPIs

NHPI COVID-19 Data Policy Lab Dashboard

U.S. NHPI COVID-19 Cases	U.S. NHPI COVID-19 Deaths	State NHPI COVID-19 Data	Top 9 States by NHPI Case Rate	Data Sources & Methodology

Select State:
California

Data Last Updated:
February 21, 2021

California
NHPI COVID-19 Cases
14,996

California
NHPI COVID-19 Deaths
289

States Ranked By NHPI Case Rate

- Louisiana: 49,948.51
- Iowa: 40,611.14
- Illinois: 38,004.83
- Arkansas: 25,988.00
- Idaho: 21,939.39
- Minnesota: 20,626.43
- Colorado: 18,135.87
- Utah: 17,715.36
- Tennessee: 15,537.62
- Alaska: 14,904.77
- Ohio: 12,060.28

Racial and Ethnic Case Rates per 100,000

Legend: NHPI, AI/AN, Asian, Black, White, Hispanic

States Ranked by NHPI Death Rate

- Louisiana: 1,235.84
- Iowa: 788.57
- Illinois: 655.85
- Arkansas: 428.72
- Minnesota: 229.18
- California: 203.74
- Tennessee: 172.96
- Alaska: 161.24

Racial and Ethnic Death Rates per 100,000

18

Enhance Place-Based Equity Algorithms

- Geographic-based measures such as the HPI need to be augmented by other domains such as the proportion of limited English proficiency/linguistic isolation or language spoken at home residents, per capita income, immigration status, frontline essential workers and the proportion of multigenerational households. And race/ethnicity as a public health emergency response
  - Modeling as a factor in the index
  - Layering HPI with other criteria especially for R/E groups underrepresented
  - Engaging with frontline community-based organizations serving NHPIs and Filipinx/a/o ---and other under-represented groups

Thank You

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