

## Vaccine Equity among At-Risk Populations in the United States

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### Challenges Magnified for At-Risk Populations During COVID-19 Outbreak



Lack of access to basic resources such as food, water, shelter, and transportation



Suboptimal housing conditions



Lack of access to healthcare services

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Employment in essential jobs

with limited protections

JOHNS HOPKINS CENTER for HEALTH EQUITY

Mistrust of institutions due to discriminatory experiences

## COVID-19 Impact Risk by Race/Ethnicity, U.S.A.

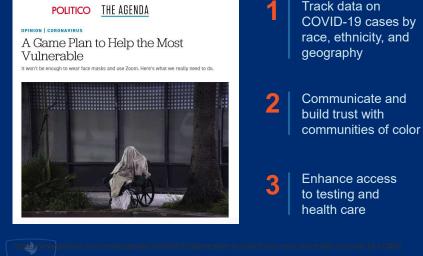
Risk for COVID-19 Infection, Hospitalization, and Death By Race/Ethnicity

Updated Mar. 12, 2021

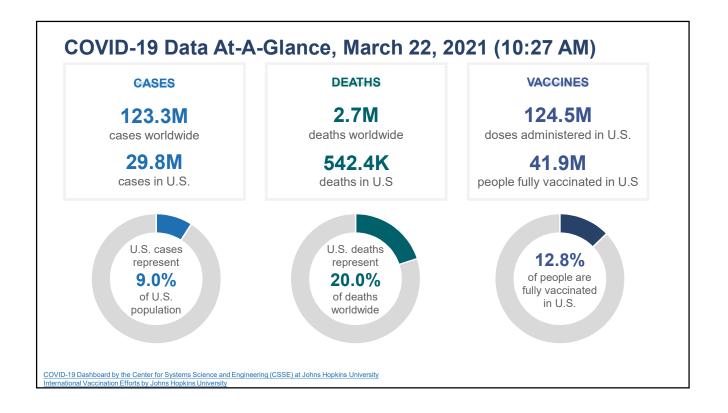
Rate ratios compared to White, Non-Hispanic persons	American Indian or Alaska Native, Non- Hispanic persons	Asian, Non- Hispanic persons	Black or African American, Non- Hispanic persons	Hispanic or Latino persons
Cases <sup>1</sup>	1.7x	0.7x	1.1x	1.3x
Hospitalization <sup>2</sup>	3.7x	1.0x	2.9x	3.1x
Death <sup>3</sup>	2.4x	1.0x	1.9x	2.3x

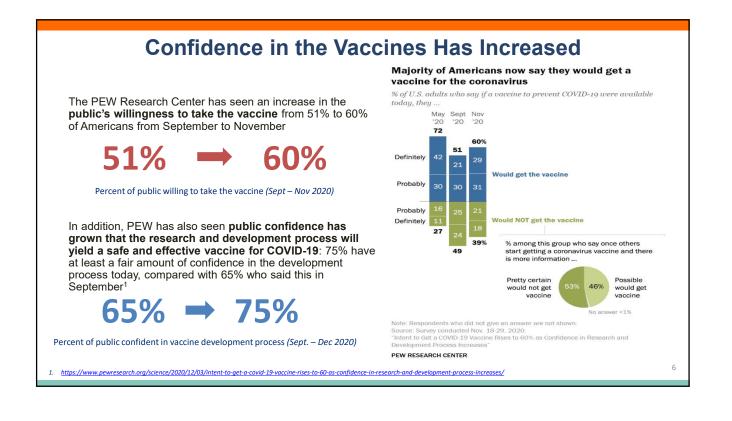
https://www.cdc.gov/coronavirus/2019-ncov/covid-data/investigations-discovery/hospitalization-death-by-race-ethnicity.html

## A Game Plan to Help the Most Vulnerable

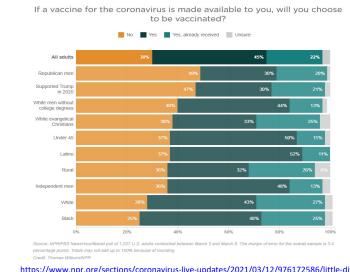






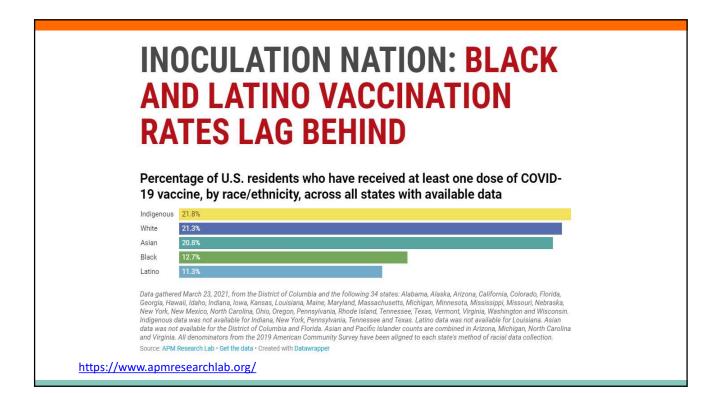


# The majority of Americans now find COVID-19 vaccination acceptable, but acceptance varies



- Acceptance of the vaccine varies by political affiliation, religious orientation, age, residence, and race/ethnicity
  - Black Americans are no longer more hesitant to accept the vaccine than White Americans, but Latino Americans have lower acceptance rates
  - Acceptance is also somewhat lower among rural versus urban populations

https://www.npr.org/sections/coronavirus-live-updates/2021/03/12/976172586/little-difference-in-vaccine-hesitancy-among-white-and-black-americans-poll-find



# **COVID-19 Vaccine Access in the U.S.**

Percent of Total Population that has Received a COVID-19 Vaccine by Race/Ethnicity, Selected States,

March 15, 2021

State	White Percent Vaccinated	Black		Hispanic		Asian	
		Percent Vaccinated	White to Black Ratio	Percent Vaccinated	White to Hispanic Ratio	Percent Vaccinated	White to Asian Ratio
Total (39 states)	19%	11%	1.8	9%	2.2	16%	1.2
Maryland	25%	14%	1.7	8%	3.1	20%	1.2
Florida	18%	8%	2.3	9%	2.0	NR	NR
New York	22%	11%	2.0	10%	2.1	22%	1.0
Alaska	12%	13%	0.9	10%	1.2	16%	0.8
Arizona	21%	9%	2.3	6%	3.3	17%	1.3
California	19%	12%	1.6	10%	1.9	18%	1.1
Colorado	24%	14%	1.7	5%	4.5	13%	1.8

https://www.kff.org/coronavirus-covid-19/issue-brief/latest-data-on-covid-19-vaccinations-race-ethnicity/

## Where can one get vaccinated in the U.S.?

- Varies by location (city, county, state)
- Numerous options
  - Health departments, pharmacies, clinics
  - Drive through vaccinations
  - Employers
  - Community organizations, churches
- People who have fewer barriers of access to information, transportation, time off work, health care, and greater social capital are more likely to have access to vaccination



## Achieving Equity in COVID-19 Vaccinations

#### Building trust

- Leverage existing relationships; use trusted messengers
- Listen to concerns and insights
- Acknowledge past mistakes and harms
- Provide accurate and timely information
- Highlight the diversity of study participants and scientists involved in the vaccine's development
- Address falsehoods



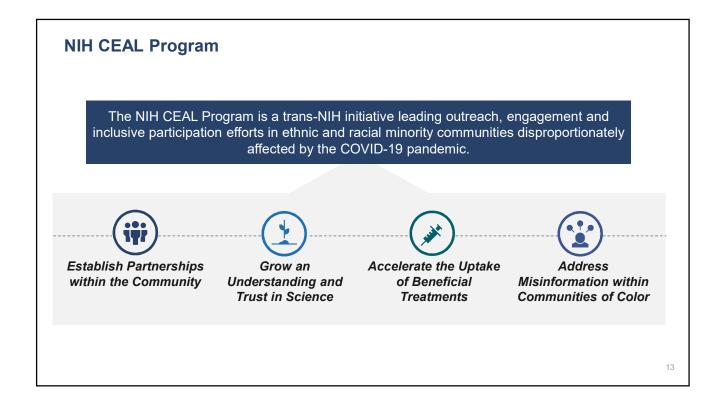
## **Local Vaccine Partnerships**



**Overcoming barriers** 

- Make the vaccine available in places that can be easily accessed and during hours that accommodate different work schedules
- Simplify the registration process!
- Provide funding and technical support to community-based organizations and clinics
- Send mobile van units to remote communities
- Hold vaccination events at churches, schools, community centers, barber shops, hair salons
- Engage trusted volunteers or frontline workers such as CHWs to help

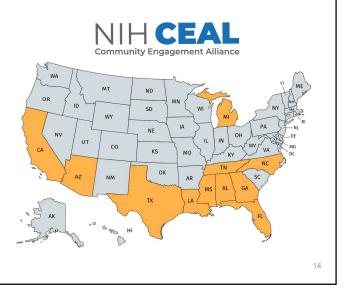
https://twitter.com/HopkinsMedNews/s tatus/1376567902489473030



#### **Communities of Concentrated Focus**

CEAL is currently supporting research teams in 11 states to focus on urgent community-engaged research and outreach focused on COVID-19 awareness and education among communities hardest hit by the pandemic.

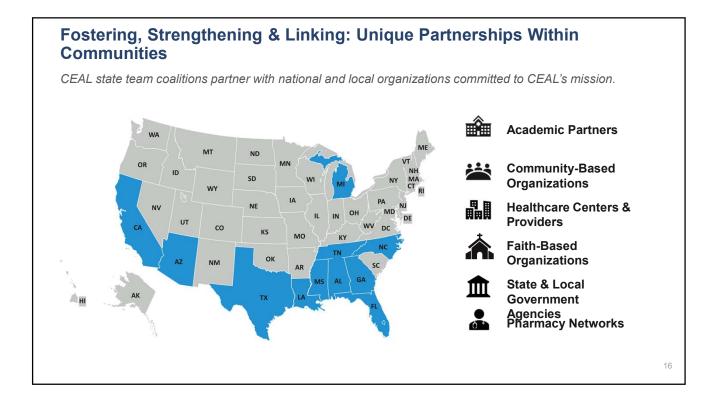
- Focus on assessing and addressing community knowledge, misinformation and mistrust about COVID-19
- Strong partnerships across academic, faithand community-based organizations as well as federally qualified health centers and historically Black colleges and universities
- Integrated projects focused on the most affected communities
- Innovative strategies to facilitate inclusion in COVID-19 trials
- Variety of **communication channels**, including website, eNewsletter, social media, partnerships and news media



#### NIH Guiding Principles to Combat COVID-19 through Community Engagement

- 1. Build and sustain trusting relationships through community engagement.
- 2. Acknowledge social determinants of health's role in COVID-19 disparities.
- 3. Move at the speed of TRUST!
- 4. Work with **trusted voices** and **trusted messengers** at the national and local levels.
- 5. Exhibit agile leadership and build innovative and strategic public-private partnerships





#### Creating a Community of Practice Through Collaboration

Exemplars: Connecting community leaders and policy makers to reach diverse populations



**Community Needs Assessment:** Geographically map community touchpoints to promote COVID-19 prevention, mitigation and risk messaging

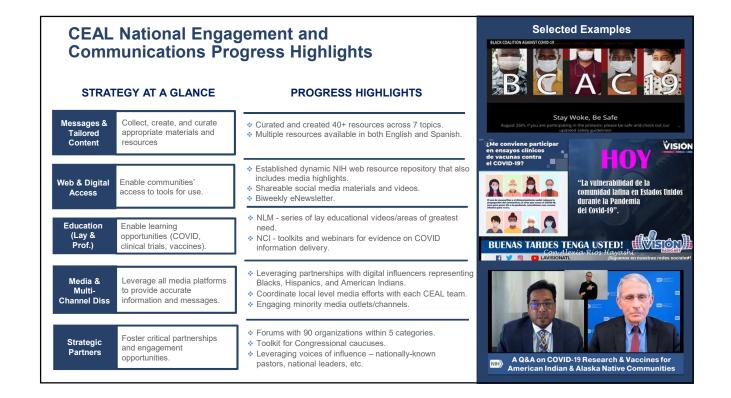


**Connecting Networks:** Creating Sustainable infrastructures with community-identified leaders and health worker networks for COVID-19 and health promotion information



Address Misinformation: Cocreating culturally appropriate multilingual digital tool-kits providing accurate and trustworthy information

#### Leveraging Local and National Communications Networks Strengthening communication channels with trusted media outlets and community partners to create credible messages in support of community-engaged research KING IT PLAIN Media & Dissemination -• Op-eds have launched local media efforts in 11 states WEBINAR FOR HEALTH CHAIRS COVID-19 VACCINES: r 8, 6:30pm EST DEVELOPMENT, TESTING, OUTREACH AND DISTRIhursday, Oc Radio Media Tours f une BUTION Forums with over 90 National Heart, Lung, and Blood Institute (NHLBI) November 23 at 3:53 PM - NIII) organizations NIGHT: Tune in at 5 PM EST for a Facebook live with BlackDoctor.org's live interviews La Visión News and Dr. Pérez-Stable Discuss the Latino Community and COVID-19 October 1, 2020 7:00 - 8:30pm ET and town halls have reached CLICK HERE TO REGISTER over 200,000 people 18



## COVID-19 and Health Equity -A New Kind of "Herd Immunity"





 COVID-19 - a magnifying glass highlighting the larger pandemic of disparities in health

- Flattening the curve will require long-term, systematic, comprehensive, and coordinated investments in addressing social determinants of health
- Failure to protect the most vulnerable not only harms them but also increases the spread of infection
- Resistance to the "spread" of poor health will occur only when a sufficiently high proportion of people across all groups are protected from and thus "immune" to negative social factors

Williams DR, Cooper LA. JAMA. 2020;323(24):2478-2480.

# If you want to go fast, go alone...

# ...if you want to go far, go together. - African proverb



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Forthcoming, in June 2021... UISA COOPER, MD, MPH Why Are Health Disparities Everyone's Problem?



https://www.amazon.com/Disparities-Everyones-Problem-Hopkins-Wavelengths/dp/1421441152

June 2021, Johns Hopkins University Press

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## THANK YOU!

### Want to learn more about our work?



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