



**BLOOMBERG
HARVARD**

| City
Leadership
Initiative



COVID-19

SITUATION REPORT

April 22, 2021 | Joshua Sharfstein, MD

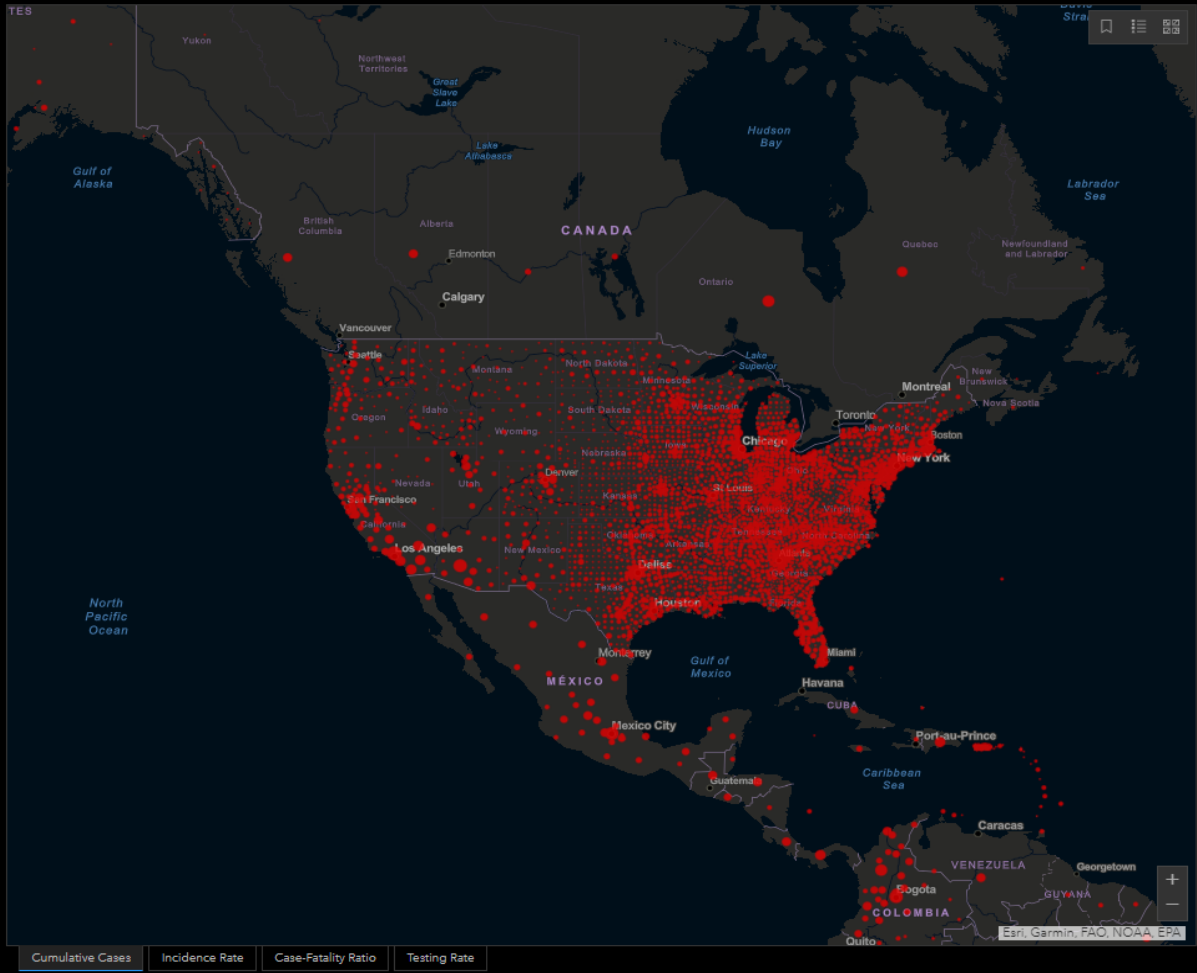
COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)

Global Cases
143,962,157

Cases by Country/Region/Sovereignty
31,862,987 US
15,930,774 India
14,122,795 Brazil
5,436,229 France
4,682,573 Russia
4,446,591 Turkey
4,411,068 United Kingdom
3,904,899 Italy
3,446,072 Spain
3,222,888 Germany
2,769,552 Argentina
2,731,256 Poland
2,701,313 Colombia
2,335,905 Iran
2,315,811 Mexico
2,043,901 Ukraine
1,726,806 Peru
1,626,812 Indonesia
1,612,832 Czechia
1,569,935 South Africa
1,451,071 Netherlands
1,155,053 Canada
1,141,403 Chile
1,039,998 Romania
1,001,854 Iraq
971,049 Philippines

Admin0 Admin1 Admin2

Last Updated at (M/D/YYYY)
4/22/2021, 7:20 AM



Cumulative Cases Incidence Rate Case-Fatality Ratio Testing Rate

192
countries/regions

Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Data sources: [Full list](#). Downloadable database: [GitHub](#), [Feature Layer](#).
Lead by JHU CSSE. Technical Support: [Esri Living Atlas team](#) and [JHU APL](#). Financial Support: [JHU](#), [NSF](#), [Bloomberg Philanthropies](#) and [Stavros Niarchos Foundation](#). Resource support: [Slack](#), [Github](#) and [AWS](#). Click [here](#) to **donate** to the CSSE dashboard team, and other JHU COVID-19 Research Efforts. [FAQ](#). Read more in this [blog](#). [Contact US](#).
Cases and Death counts include confirmed and probable (where reported).
Recovered cases are estimates based on local media reports, and state and local reporting when available, and therefore may be substantially lower than the true number.

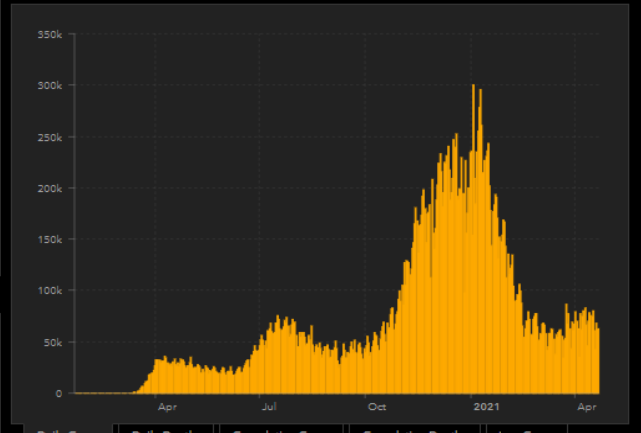
Global Deaths
3,061,478

569,404 deaths US

Total Test Results in US
421,219,495

58,202,413 tests California US
49,426,695 tests New York US
22,537,890 tests Texas US
22,120,098 tests Florida US
21,920,359 tests Illinois US
20,599,779 tests Massachusetts US
13,217,769 tests New Jersey US
12,617,144 tests Pennsylvania US
12,461,090 tests Michigan US
11,607,377 tests Ohio US
11,087,562 tests North Carolina US

Global Deaths Global Recovered US Test Results US Deaths



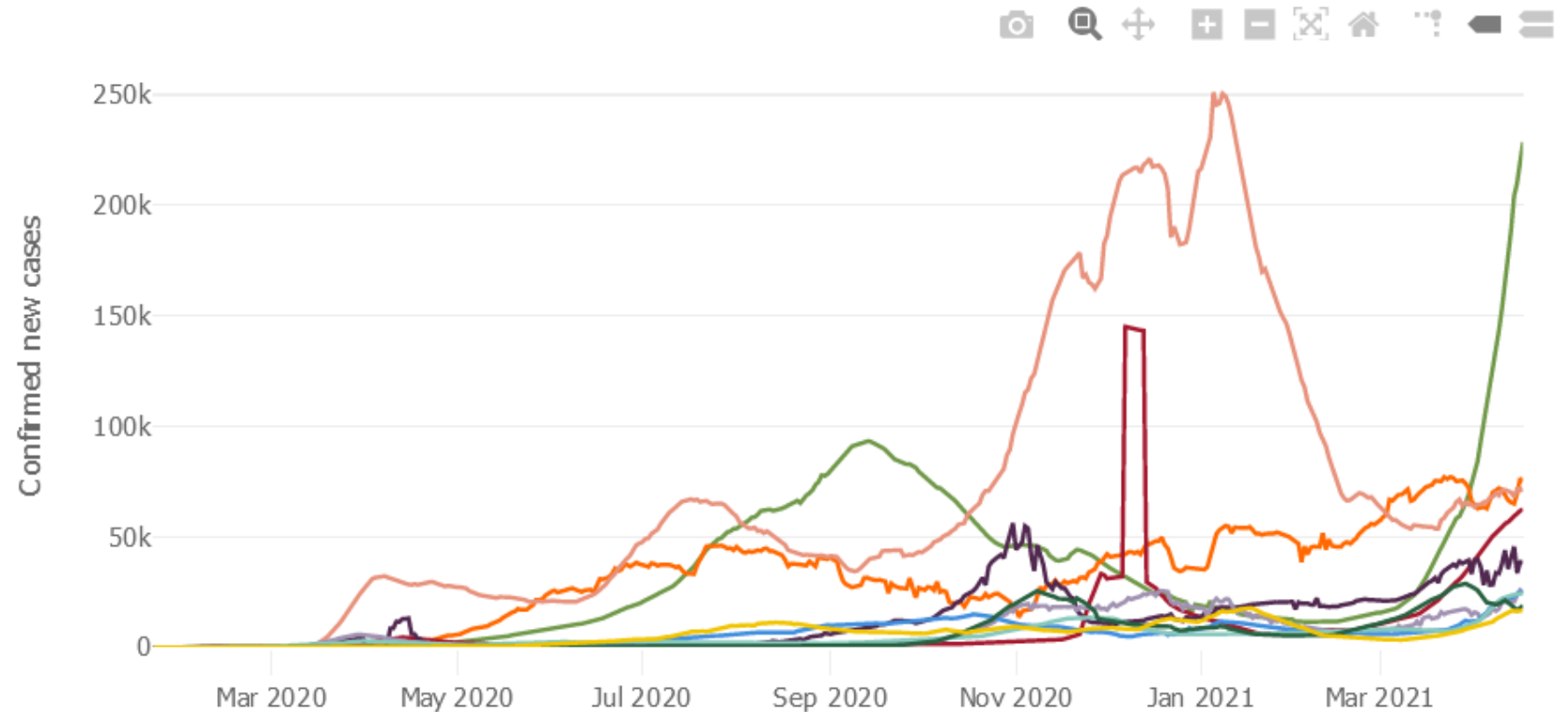
Daily Cases Daily Deaths Cumulative Cases Cumulative Deaths Log Cases



Cases in India Surge

DAILY CONFIRMED NEW CASES (7-DAY MOVING AVERAGE)

Outbreak evolution for the current most affected countries



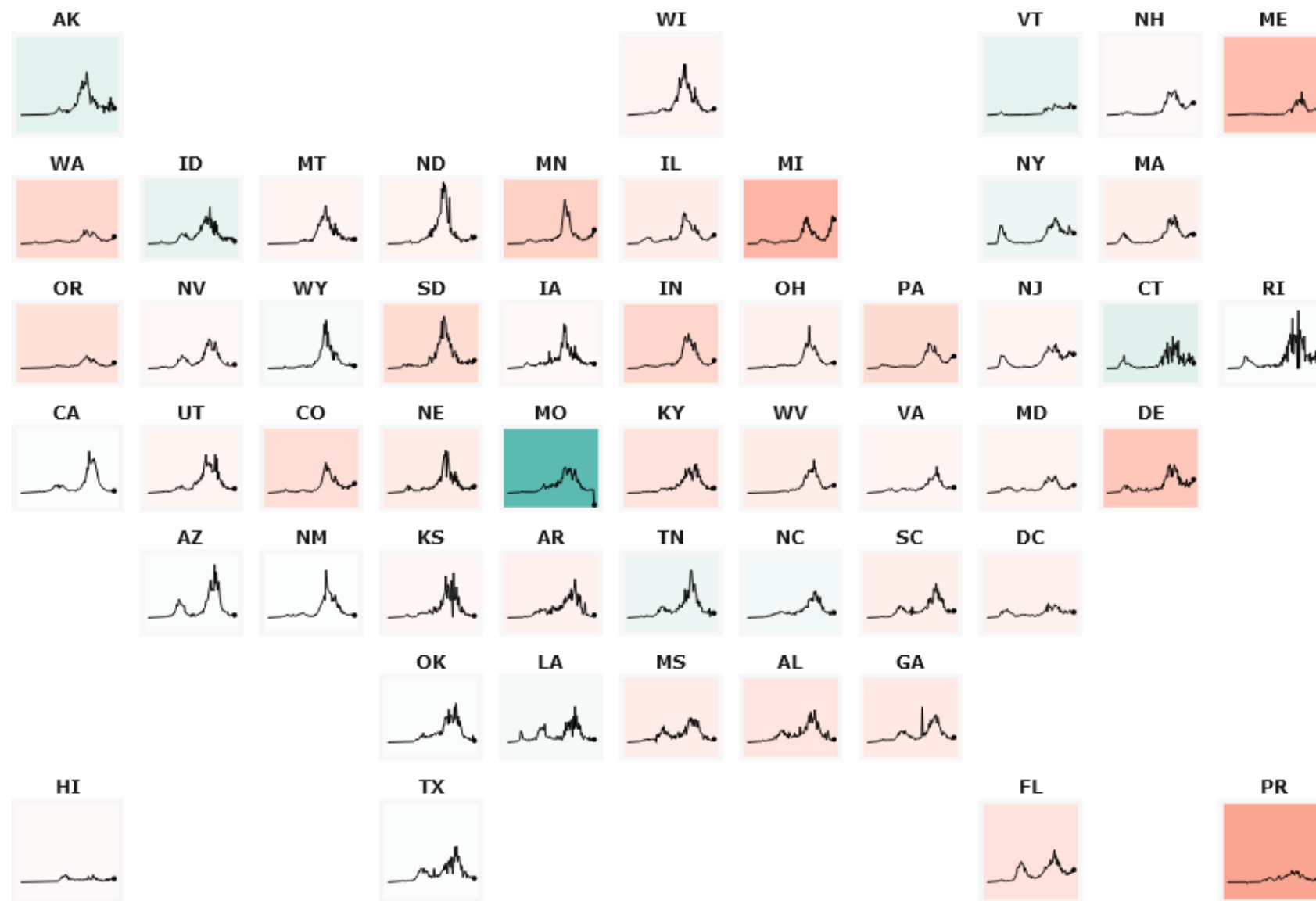
Click any country below to hide/show from the graph:

- | | | | |
|--------|----------|---------------|--------|
| India | Brazil | United States | Turkey |
| France | Germany | Argentina | Iran |
| Poland | Colombia | | |



Mixed Picture Nationally

Daily New Cases per 100k people. Data shown from 1/22/20 to 4/17/21.



What's New This Week



J&J Vaccine

Rare and unusual clotting problem leads to a pause in vaccination. Committee will meet to review and make recommendation tomorrow.

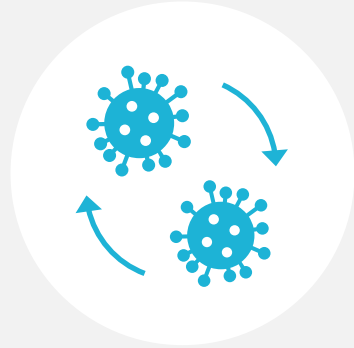


For Mayors

Public health agencies take safety seriously, even if risks are small. The vigilance should inspire confidence in the oversight of the vaccination program.



What's New This Week



Reinfections

People who have mild infections can have more severe cases the second time. But one infection does appear to reduce substantially the chance of a second, particularly for younger people.



For Mayors

People who tested positive in the past should still be vaccinated, especially those at high risk for serious illness from COVID-19.



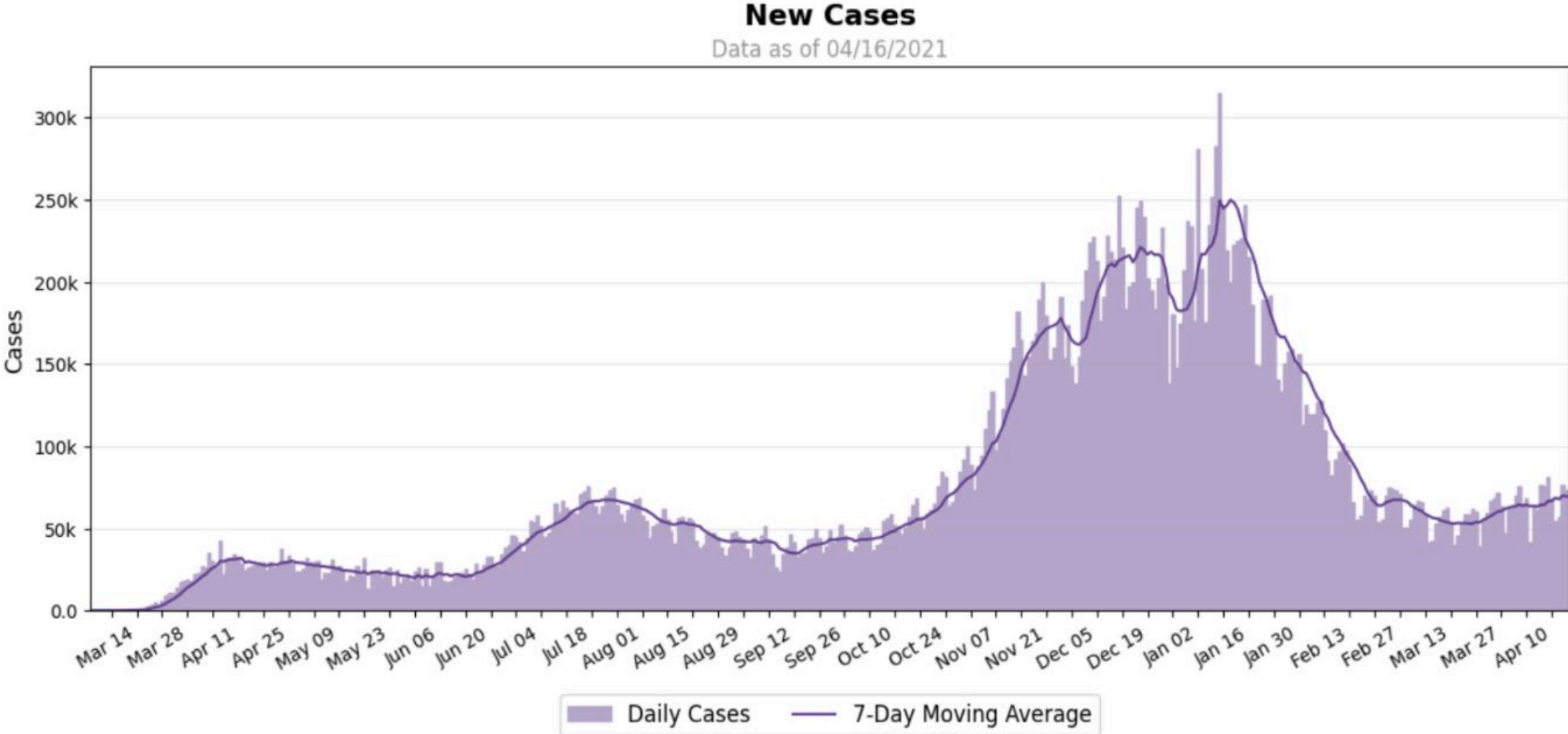


COVID-19 U.S. Trends And What They Mean For Mayors

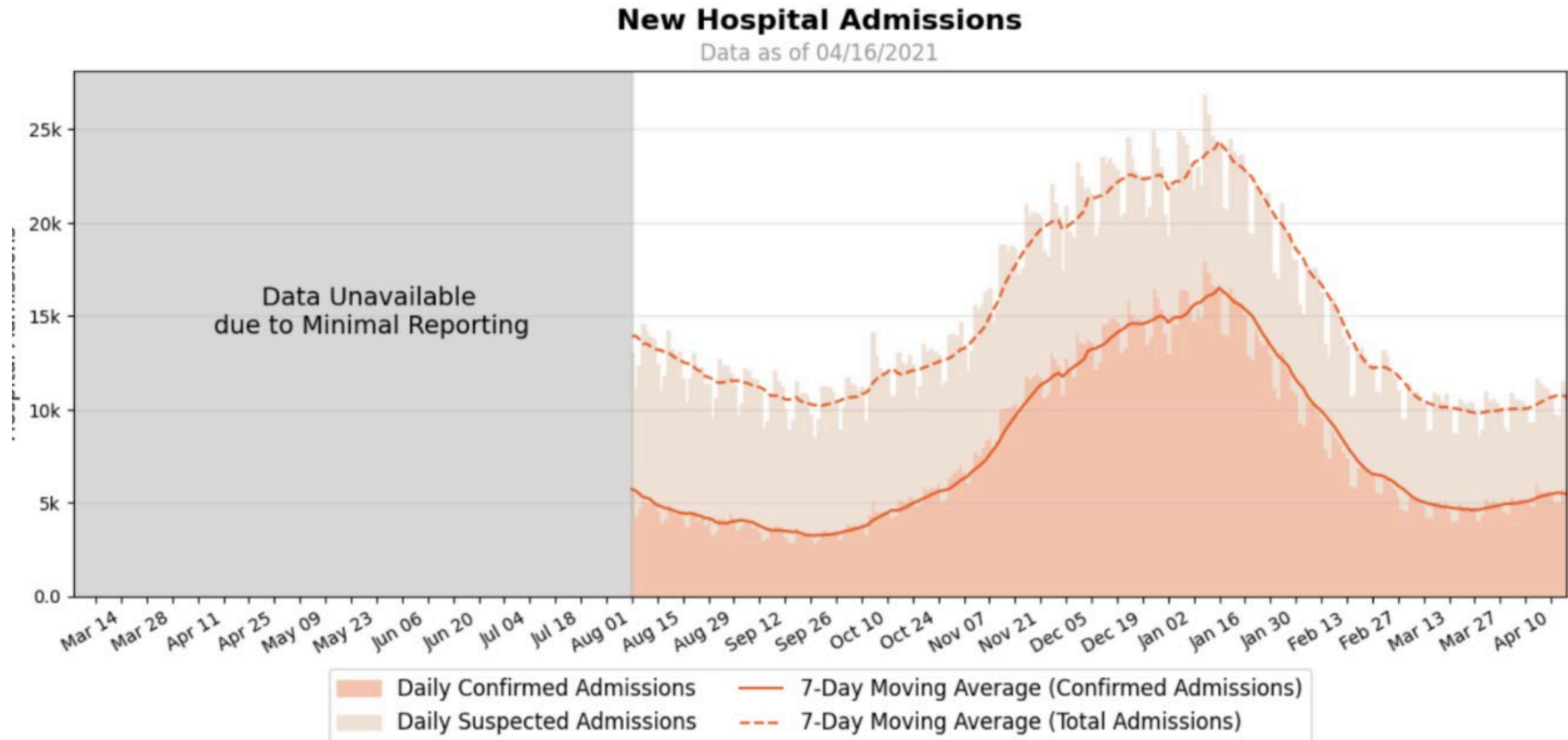
Caitlin M. Rivers, PhD

Assistant Professor,
Johns Hopkins Bloomberg School of Public Health

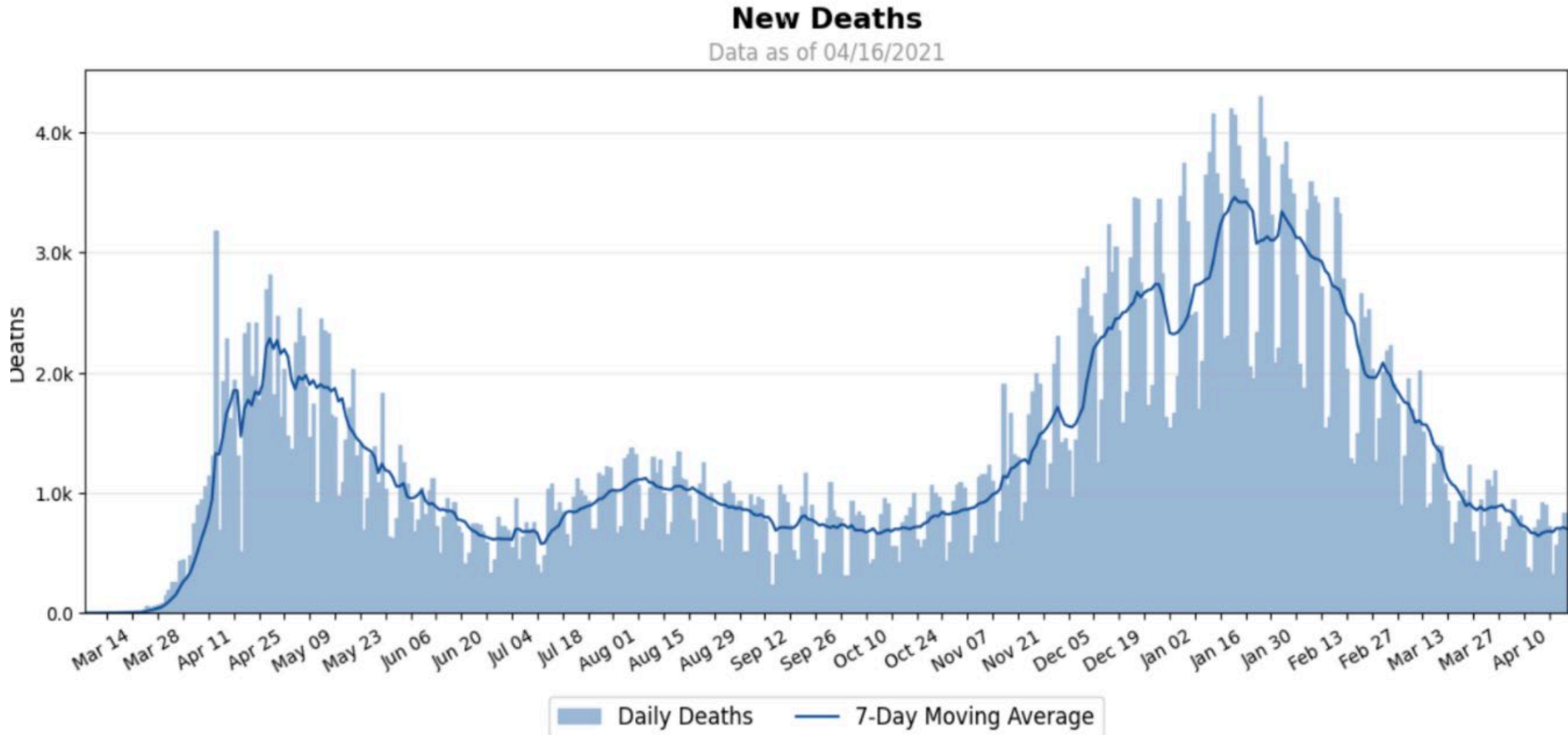
Even with increases in vaccinations, we're seeing slight increases in cases due to reopening and variants.



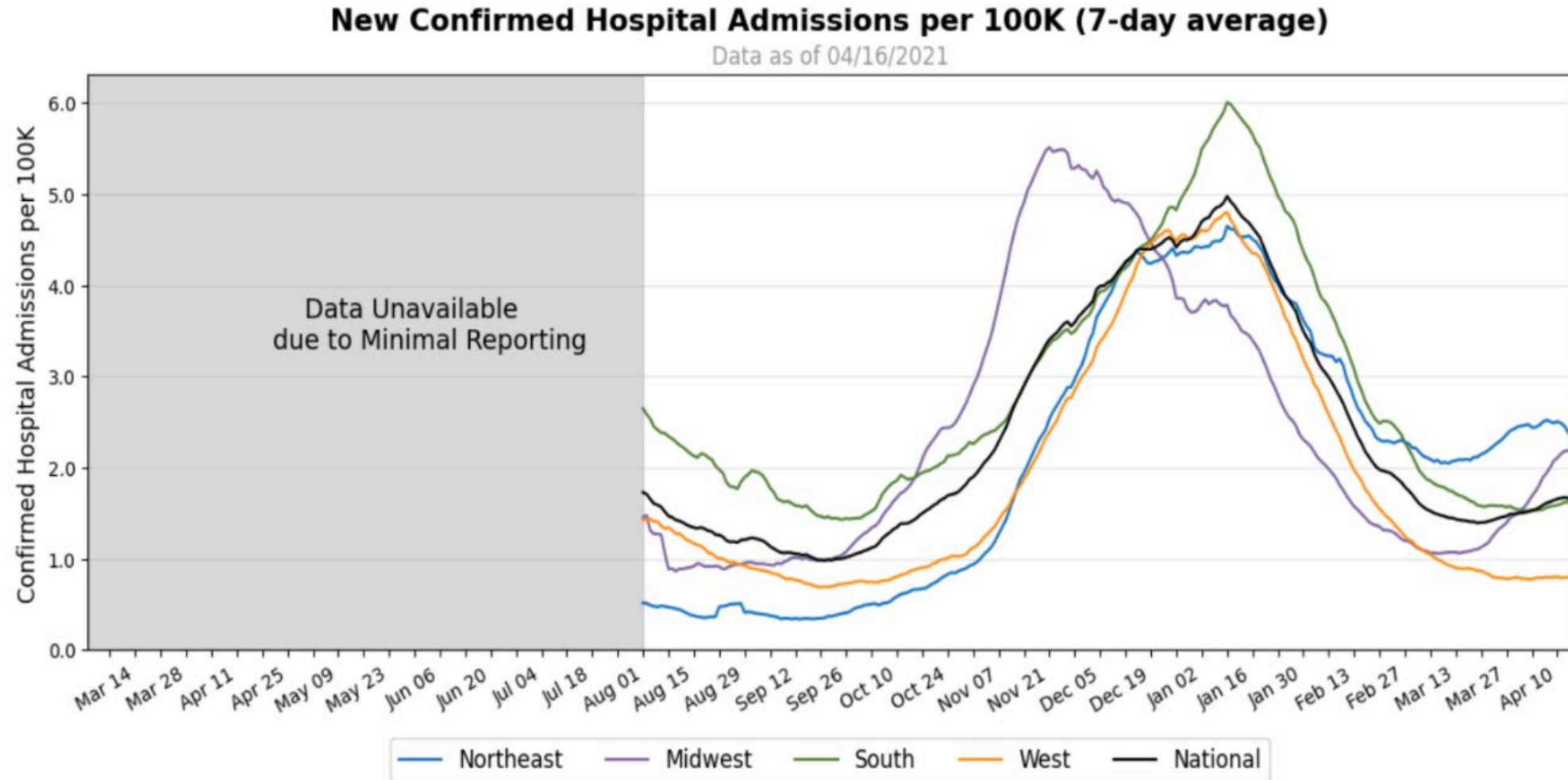
We are also seeing a slight rise in new hospital admissions.



New deaths remain flat.

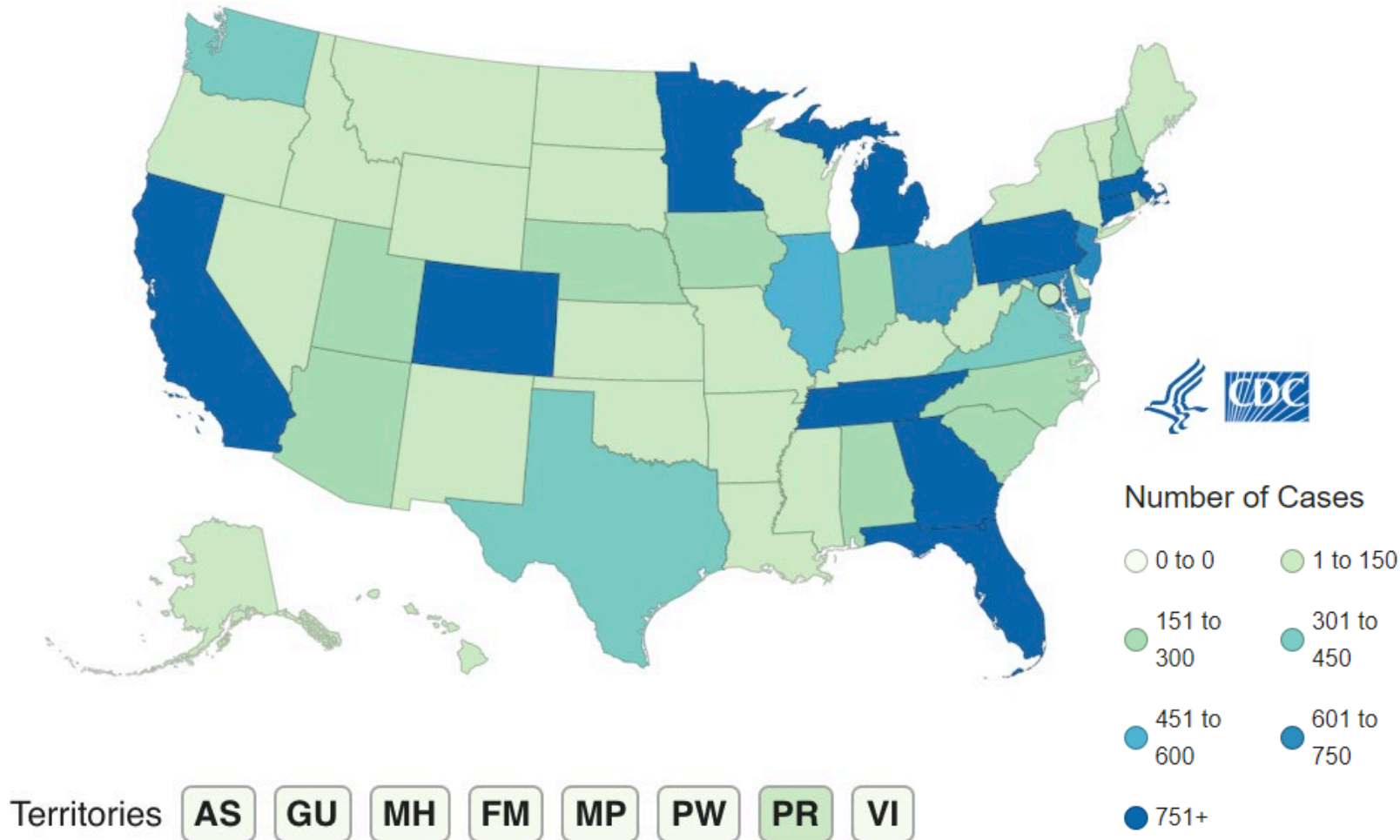


While most regions are doing well or improving, the Midwest continues a steep ascent.

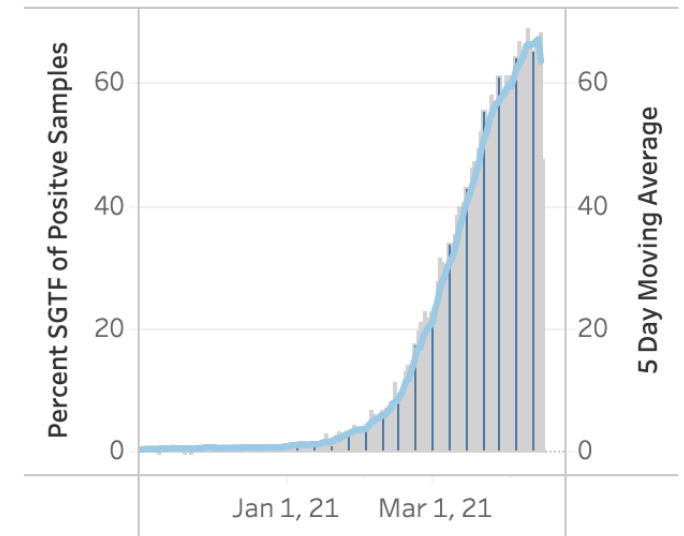


Variants are more of a concern in some states.

Variant **B117** is becoming dominant in the United States, likely contributing to the uptick.



Daily Percent SGTF of Positive Samples



Sources of outbreaks, by site type in Michigan

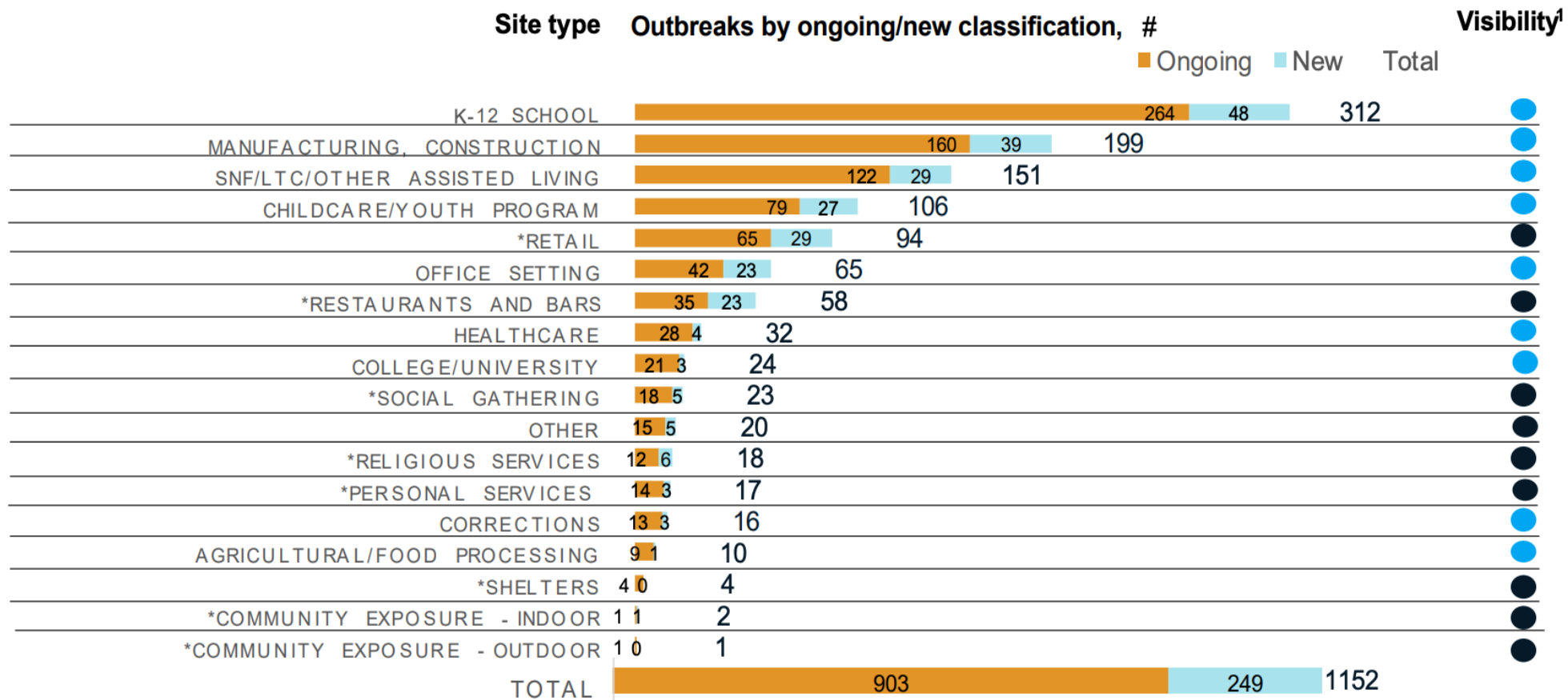
Pre-decisional, for discussion only

Draft

- Easier to identify outbreak
- Harder to identify outbreak

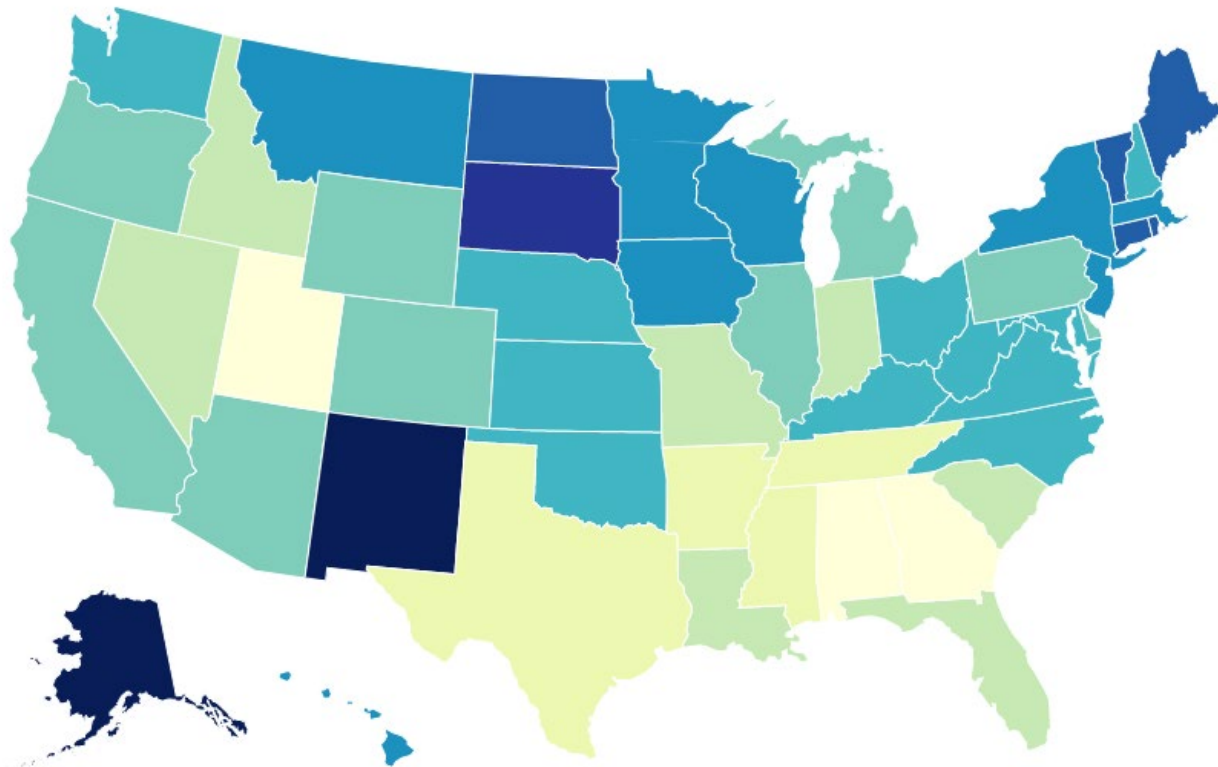
WEEK ENDING
APRIL 8

Total number of active outbreaks is **up 16%** from previous week

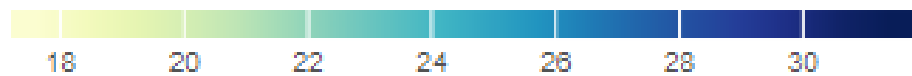


*LHDs reported new outbreaks in all settings except shelters and outdoor community exposures

Vaccination Roll Out in the U.S.



% People Fully Vaccinated



People Vaccinated	At Least One Dose	Fully Vaccinated
Total	131,247,546	84,263,408
% of Total Population	39.5%	25.4%
Population ≥ 18 Years of Age	129,988,985	83,976,957
% of Population ≥ 18 Years of Age	50.4%	32.5%
Population ≥ 65 Years of Age	44,328,500	36,019,475
% of Population ≥ 65 Years of Age	81%	65.9%

We will start to see the population level effects of vaccination soon.

Demand is beginning to soften and reaching people who are reluctant or not able to visit mass vaccination sites is the next challenge.

What Can Mayors Do Now?

- ✓ We're not ready yet to let our guard down, but we are getting closer.
 - Continue to push mask wearing and social distancing
 - Continue to work alongside your regional and local partners as slight uptick is impacting healthcare systems.
-

- ✓ Prioritize engagement with community organizations (e.g., religious, NGOs) to get more people vaccinated. Flattening in the number of deaths is one indicator suggesting vaccines are working.
-

- ✓ Epidemiological picture looks different depending on your location and emphasis on controls is paramount in those places.
-

- ✓ Continue to make testing widely and easily available.

The White House announces a Center for Epidemic Forecasting and Outbreak Analytics

THE WHITE HOUSE



(b) The APNSA, in coordination with the COVID-19 Response Coordinator, the Assistant to the President for Domestic Policy, and the heads of relevant agencies, shall promptly develop a plan for establishing an interagency National Center for Epidemic Forecasting and Outbreak Analytics and modernizing global early warning and trigger systems for scaling action to prevent, detect, respond to, and recover from emerging biological threats.