WHAT CITIES AND TOWNS SHOULD KNOW DURING THE COVID-19 PANDEMIC

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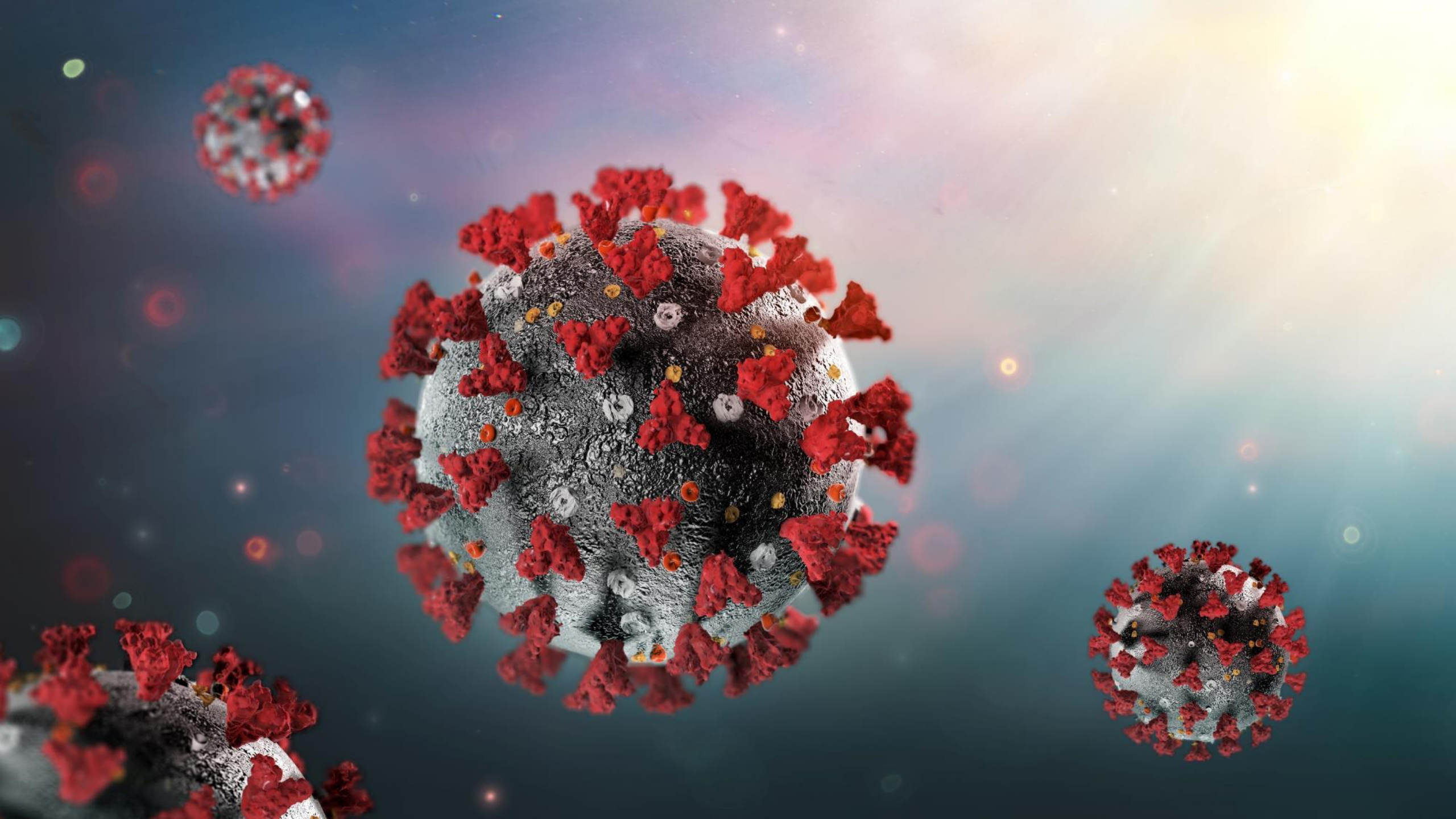
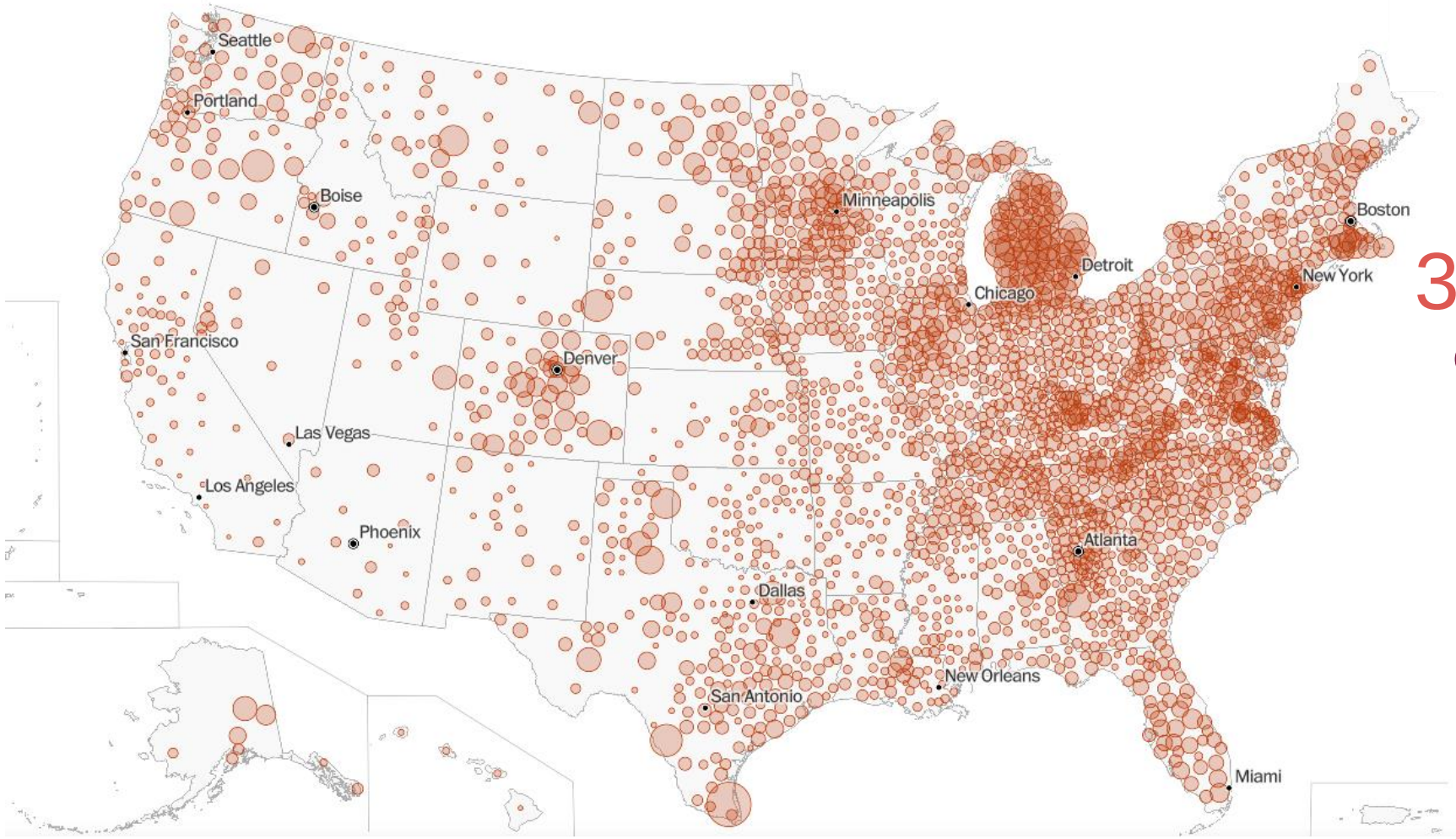
04.29.2021

ACHI
INSPIRING HEALTHY ACTS



A LIGHT at the END of the TUNNEL

COVID-19 IN THE UNITED STATES



At least

32,200,000

confirmed cases

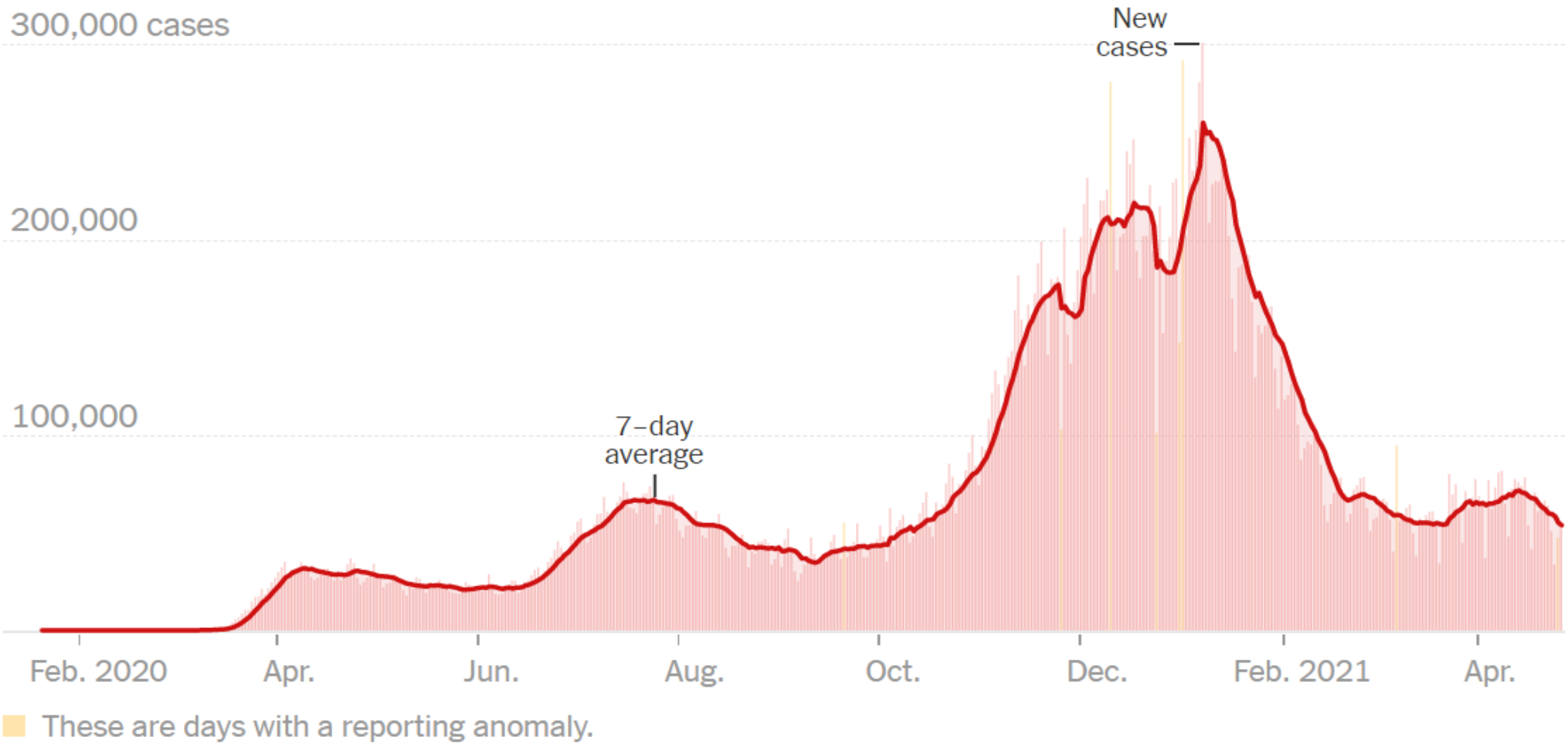
At least

574,000

reported deaths

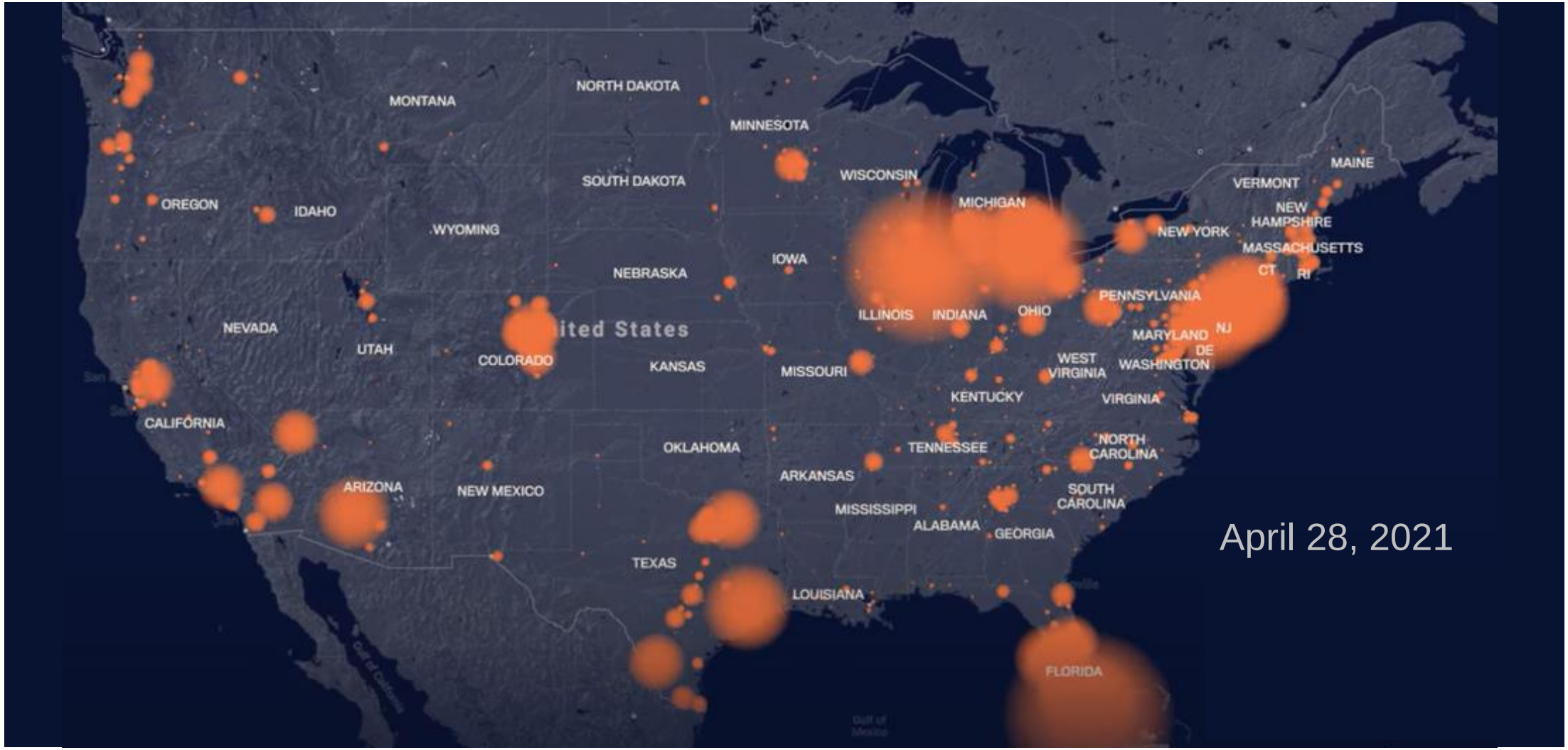
Sources: Washington Post and Johns Hopkins University, as of April 29, 2021.

COVID-19 IN THE UNITED STATES: DAILY CASES



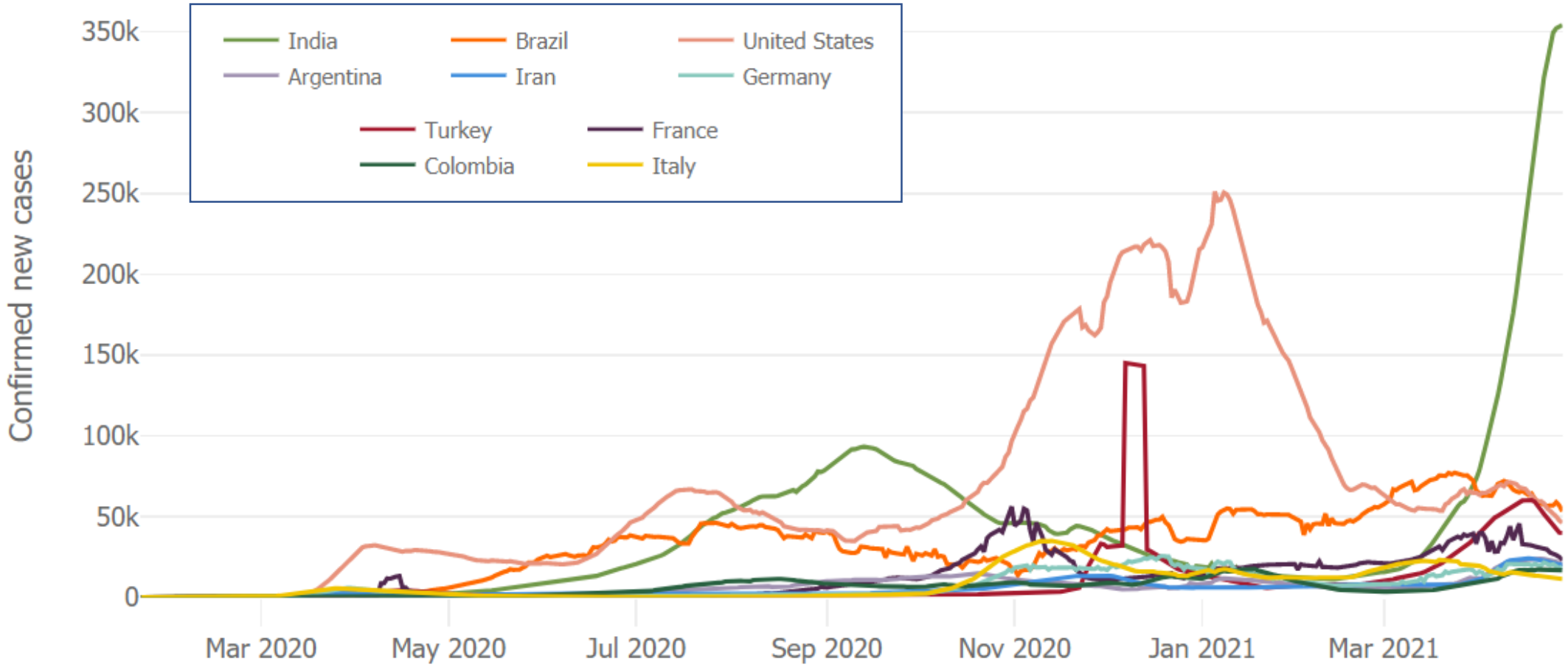
Source: New York Times, April 28, 2021 (using data from state, county and regional health department reports); www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html

JHU COVID-19 DATA: NEW CASES SPREAD



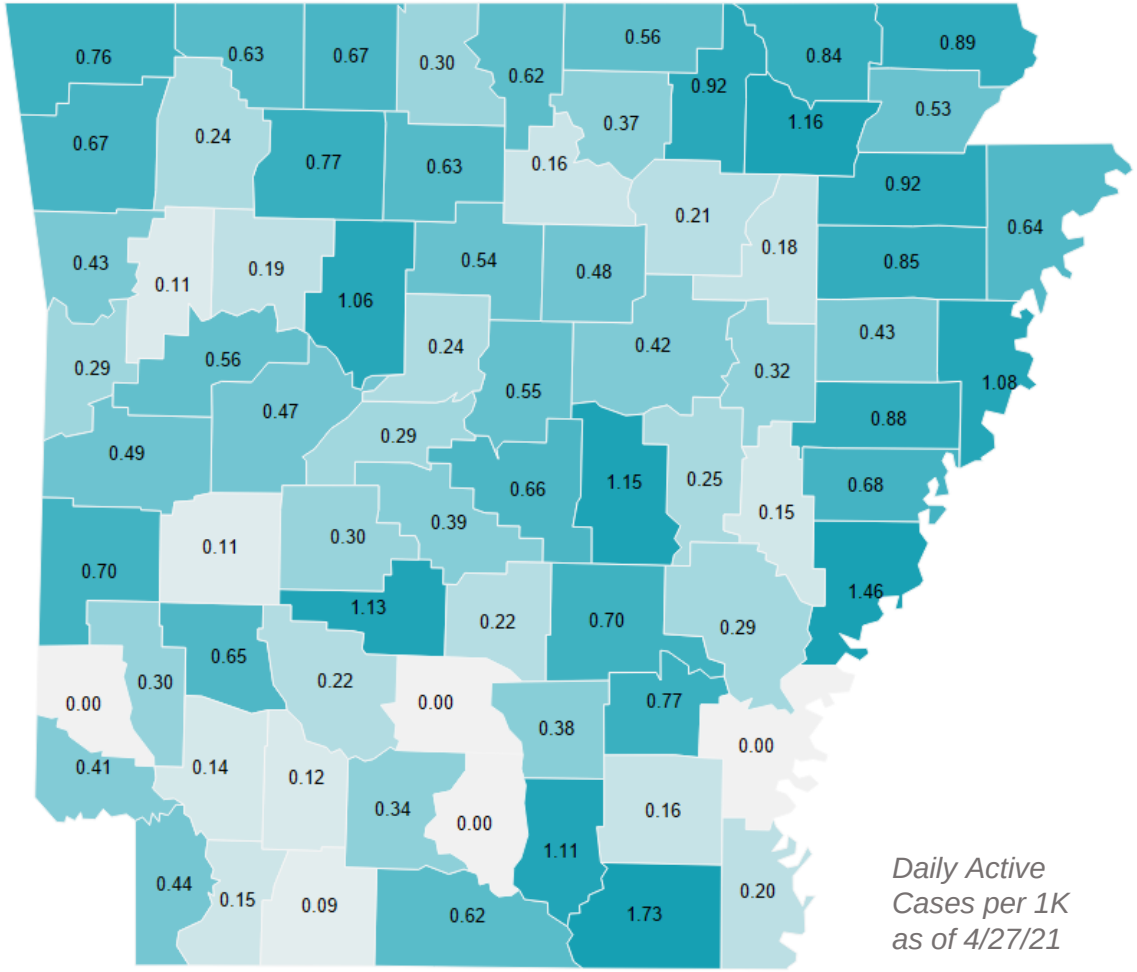
Sources: Johns Hopkins Coronavirus Resource Center, from Data in Motion published on April 28, 2021

DAILY CONFIRMED NEW CASES, 7-DAY AVERAGE



Source: Johns Hopkins University Coronavirus Research Center, www.coronavirus.jhu.edu/data/new-cases, retrieved April 29, 2021

COVID-19 IN ARKANSAS



Daily Active Cases per 1K as of 4/27/21

As of April 28

Cumulative Cases: 335,289

Total Active Cases: 1,908

Hospitalized: 165

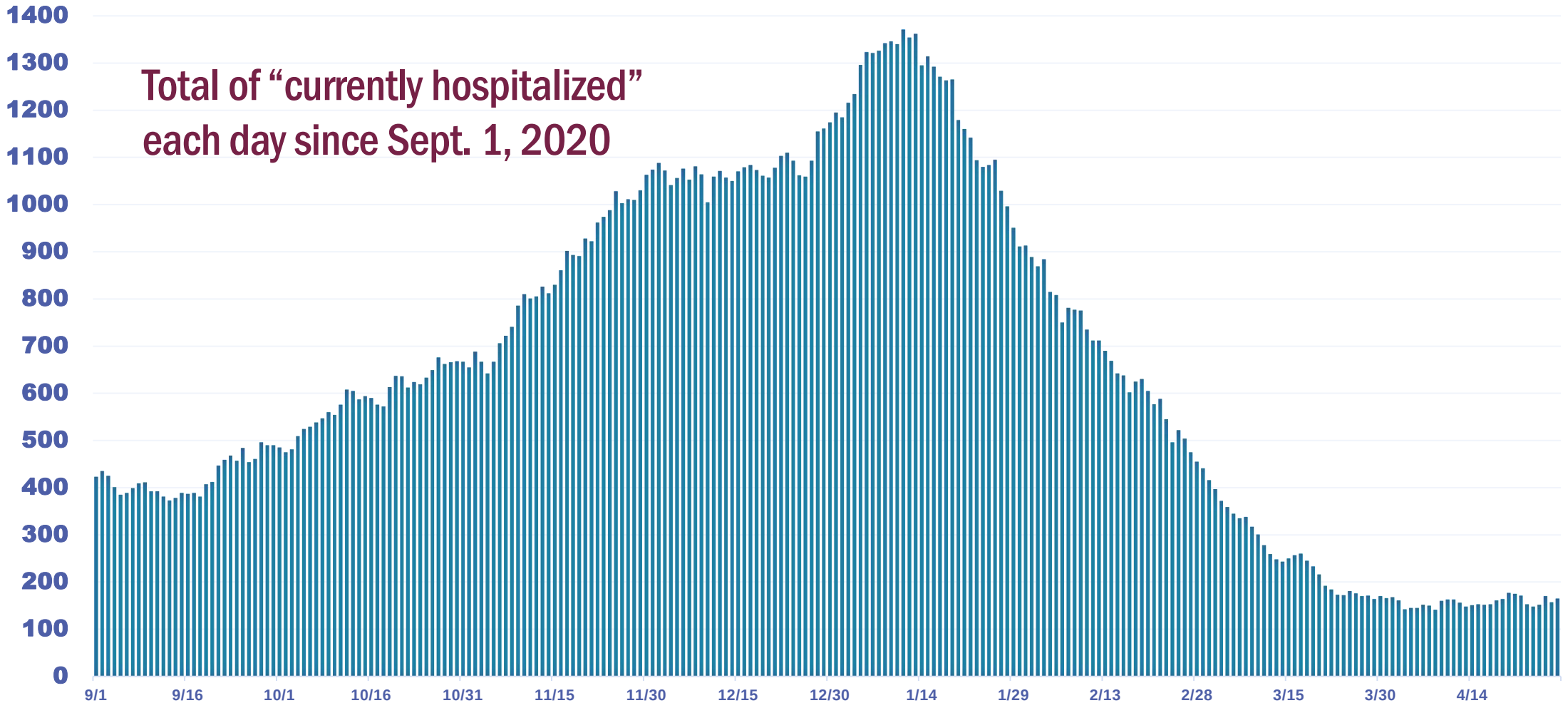
On Ventilators: 27

Total Deaths: 5,726

Source: Arkansas Department of Health

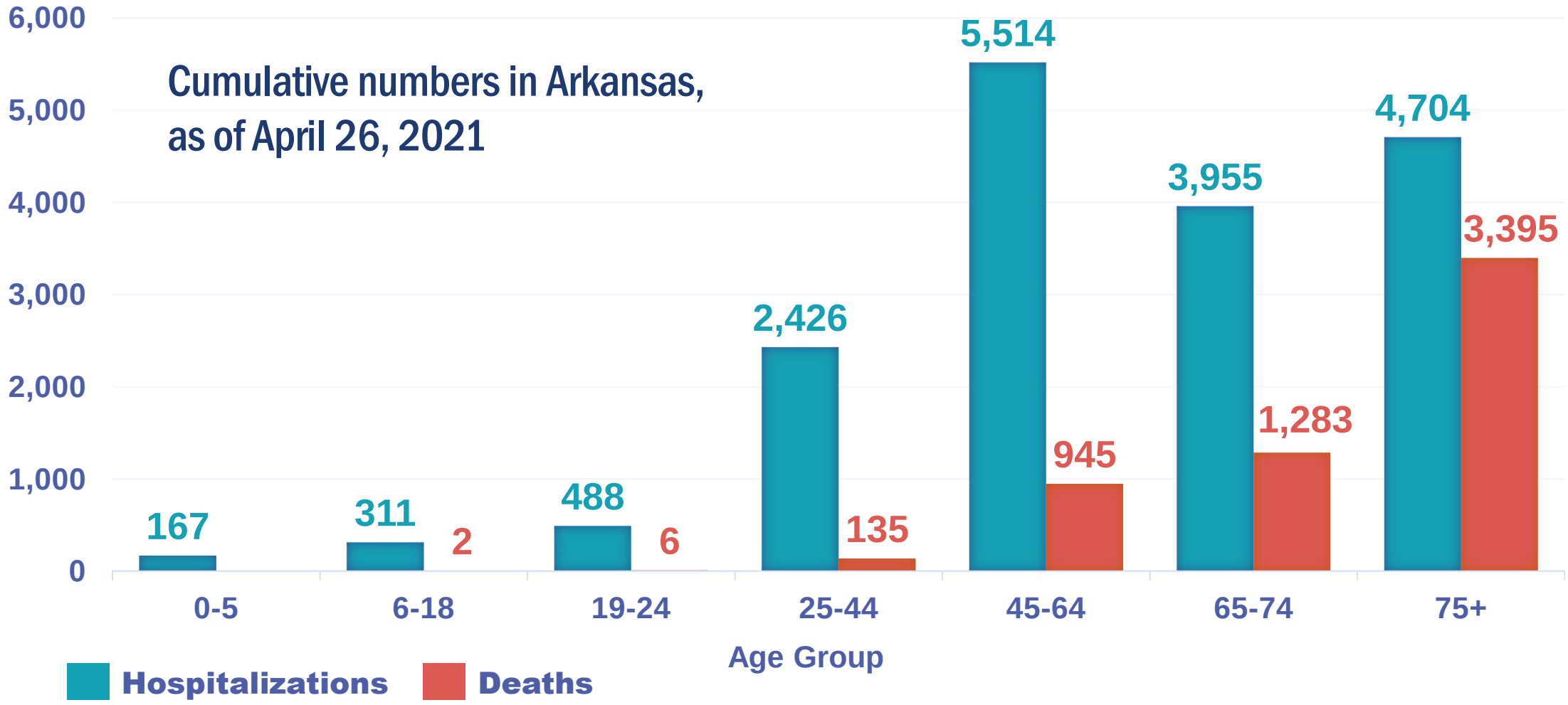

EMERGENCY
EMERGENCY

COVID-19 HOSPITALIZATIONS IN ARK. PER DAY



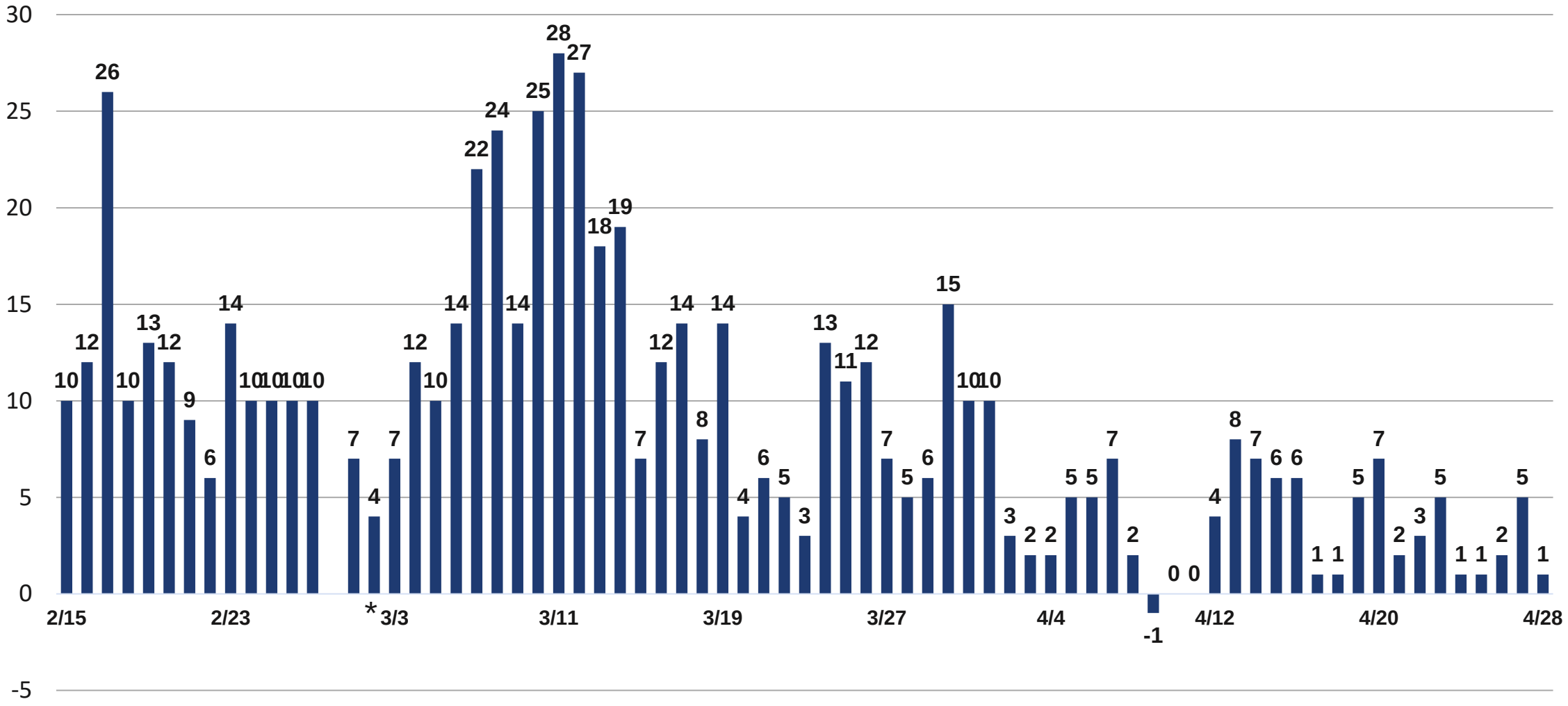
Source: Arkansas Department of Health

COVID-19 HOSPITALIZATIONS & DEATHS BY AGE



Source: ACHI Analyses of Arkansas Department of Health data. | All death data are provisional and subject to change based on further review by the Arkansas Department of Health.

NEW REPORTED COVID-19 DEATHS IN AR PER DAY



** On Feb. 28, the Arkansas Department of Health conducted a data clean-up resulting in 174 deaths being removed due to reclassification or duplication.*
Source: Arkansas Department of Health

Patients, clinicians, and health systems should be aware of the potential for post-COVID conditions

Among adults with COVID-19 who didn't require a hospital stay,

2 out of 3

had at least one outpatient visit 1 to 6 months after diagnosis

COVID-19-related symptoms at outpatient visits

CHEST OR THROAT PAIN

SHORTNESS OF BREATH

FATIGUE

COUGH

Among 3,171 nonhospitalized COVID-19 patients in an integrated health care system — Metropolitan Atlanta, Georgia, 2020

POST-ACUTE SEQUELAE OF COVID-19 (PASC)

- Also called Long COVID-19 or “Long Haulers”
- Over 75% of people hospitalized with COVID-19 had symptoms after 6 months*
- Eight months after mild COVID-19, 1 in 10 still had at least one moderate to severe symptom perceived to have a negative impact on work, social, or home life**

*Sources: * Lancet 2021; 397: 220–32 (C. Huang, et al. 6-month consequences of COVID-19 in patients discharged from hospital: a cohort study); Published March 10, 2021.*
*** JAMA. Published online April 07, 2021. S. Havervall, et al. Symptoms and Functional Impairment Assessed 8 Months After Mild COVID-19 Among Health Care Workers.*

UK LONG COVID STUDY

- Among 20,000+ participants who tested positive for COVID-19:
  - 13.7% experienced symptoms for 12+ weeks; 8x higher than control group

- Prevalence rates were greatest among:
  - People 35 to 69
  - Women
  - People living in most deprived areas
  - Health or social care workers
  - People with a pre-existing, activity-limiting health condition

Source: Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK: 1 April 2021.
https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/1april2021

COVID-19 LONG-TERM EFFECTS: STUDIES

- JAMA study of recovered patients: 78% with structural heart damage, 60% had myocarditis*
- JAMA Big Ten Study: 15% of COVID-positive athletes had signs of myocarditis, another 30% had inconclusive evidence of strain**
- The Lancet: 6 months after COVID-19 infection, 34% of patients had new neurologic or psychiatric diagnosis and 13% had first-time neurologic or psychiatric diagnosis***

** Puntmann VO, et al. Outcomes of Cardiovascular Magnetic Resonance Imaging in Patients Recently Recovered From Coronavirus Disease 2019 (COVID-19). JAMA Cardiol. July 27, 2020*

*** Rajpal S, Tong MS, Borchers J, et al. Cardiovascular Magnetic Resonance Findings in Competitive Athletes Recovering From COVID-19 Infection. JAMA Cardiol. Published online Sept. 11, 2020*

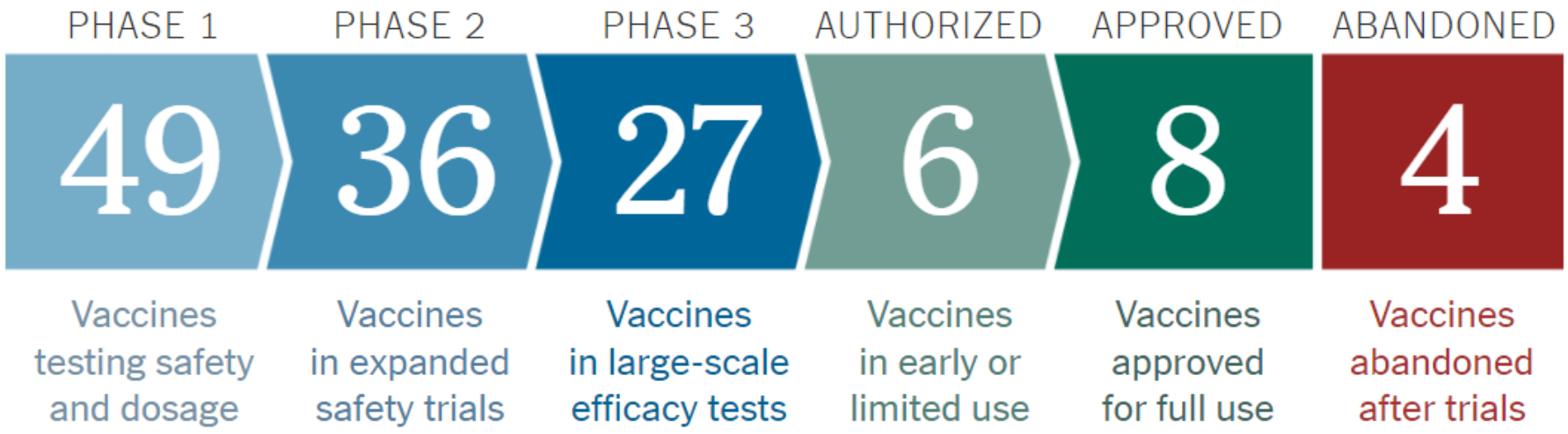
**** Taquet M., et al. 6-month Neurological and Psychiatric Outcomes in 236,379 Survivors of COVID-19. The Lancet Psychiatry. doi: https://doi.org/10.1101/2021.01.16.21249950. April 6, 2021.*


SARS-CoV2
COVID-19
Vaccine
SARS-CoV2
COVID-19
Vaccine

VACCINE TRACKER

Updated April 28, 2021

The New York Times

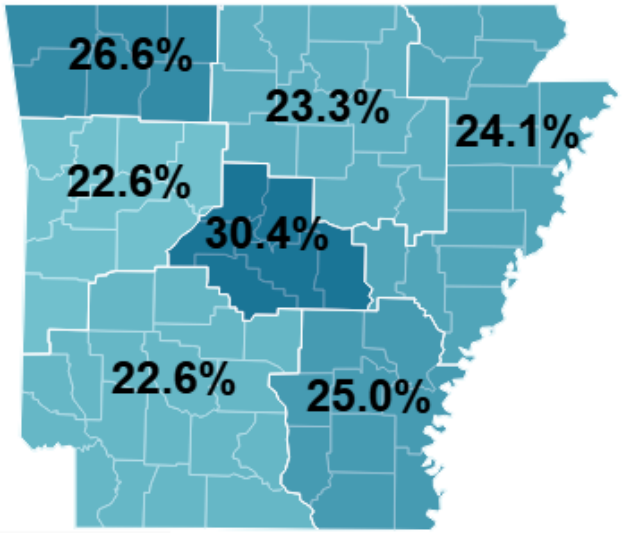


Source: Coronavirus Vaccine Tracker, New York Times: nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html

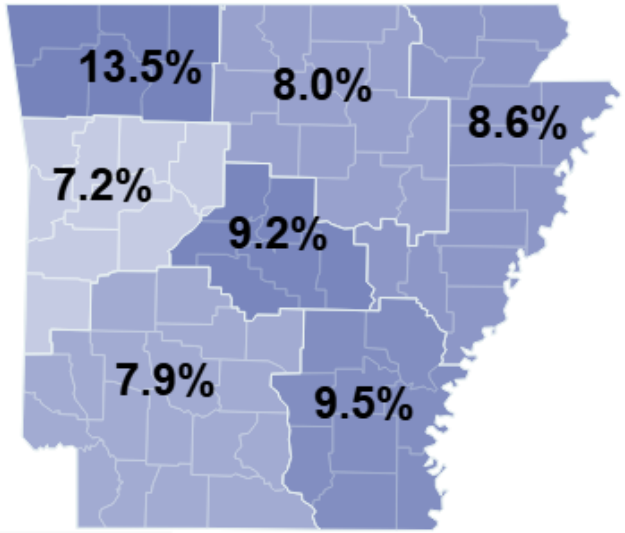
COVID-19 VACCINATION PROGRESS IN ARKANSAS

- All Arkansans 16 or older are eligible for the COVID-19 vaccine

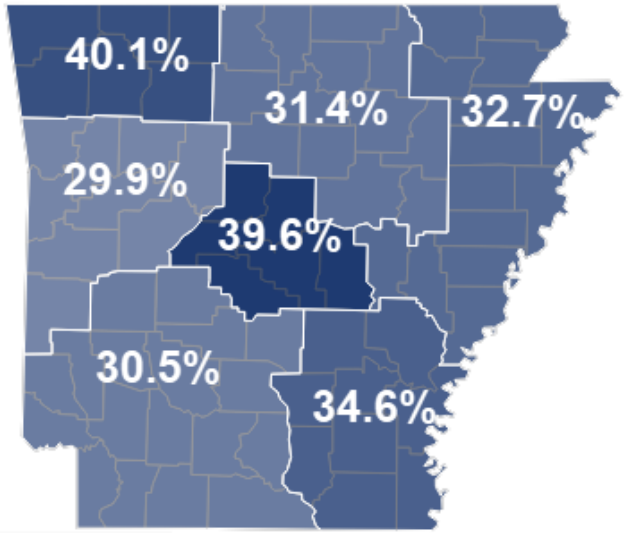
Percentage of Individuals Ages 16+ Fully Immunized by Region



Percentage of Individuals Ages 16+ Partially Immunized by Region

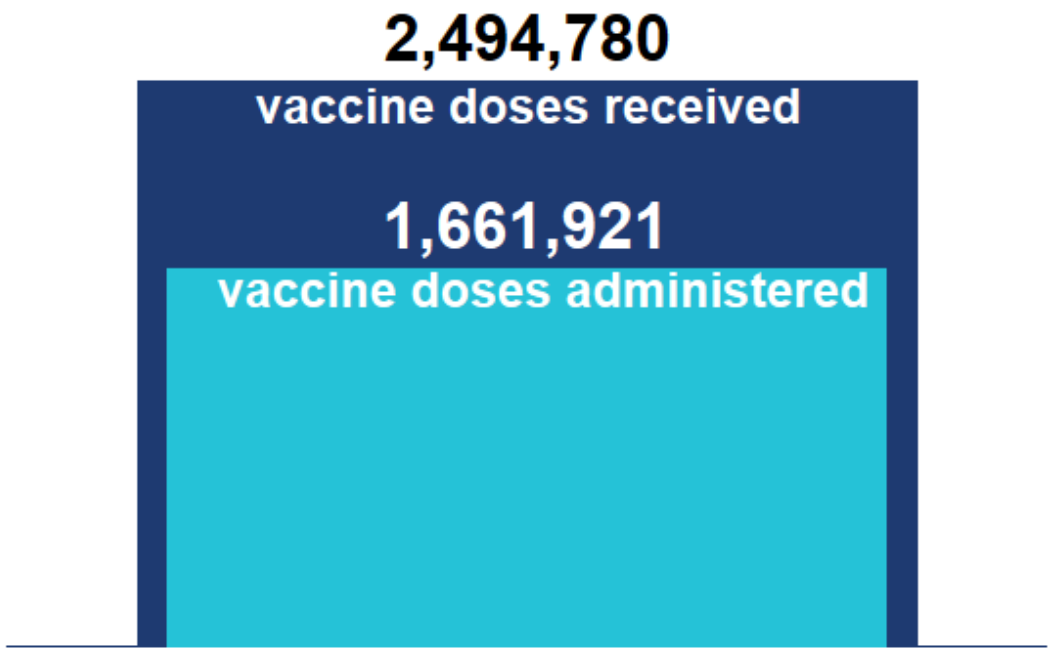


Percentage of Individuals Ages 16+ Fully or Partially Immunized by Region



Source: Arkansas Department of Health, as of April 27.

COVID-19 VACCINATION PROGRESS IN ARKANSAS



66.6%

of COVID-19 vaccines administered by the state and federal partners

Source: Arkansas Department of Health, as of April 27.

CORONAVIRUS VARIANTS

- Variants of concern and where they first emerged:
  - **B.1.1.7** – U.K.
  - **B.1.351** – South Africa
  - **P.1 –** Brazil / **B.1.1.248** – Japan (nearly identical)
  - **B.1.427/B.1.429** – U.S. (California)
  - **B.1.526** – U.S. (New York)

- Study of B.1.1.7 variant: more infectious, suggests higher death rate*
  - Most common strain circulating in the U.S., CDC Director Dr. Rachelle Walensky said on April 7**

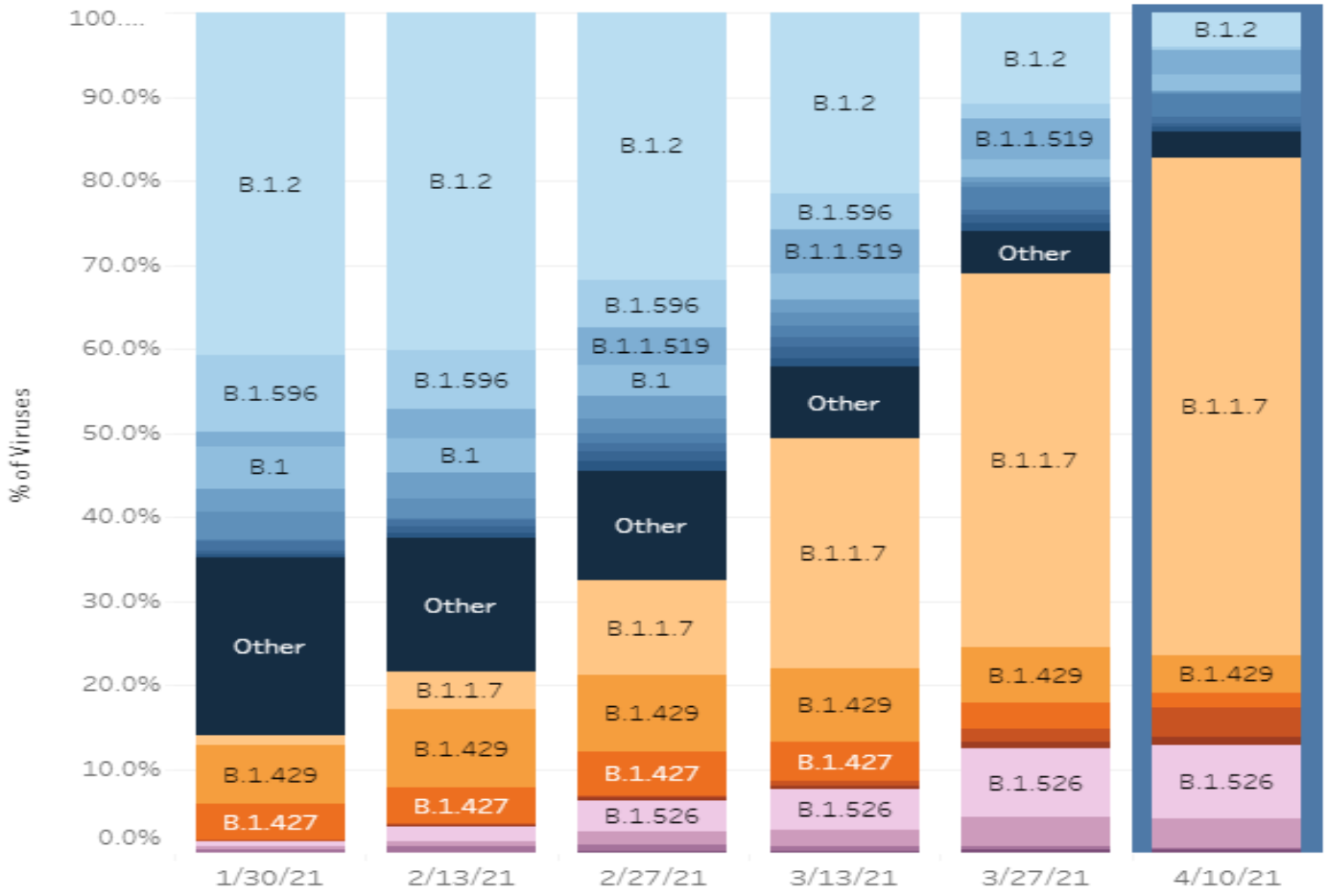
Sources: CDC, Arkansas Department of Health
** BMJ 2021;372:n579 (R. Challen, et al. Risk of mortality in patients infected with SARS-CoV-2 variant of concern 202012/1: matched cohort study); Published March 10, 2021.*
*** CDC says variant from the UK is now the most common strain circulating in the U.S. https://www.cnbc.com/2021/04/07/cdc-says-variant-from-the-uk-is-now-the-most-common-strain-circulating-in-the-us.html*

VACCINES AGAINST 3 VARIANTS OF CONCERN

- *B.1.1.7 (U.K.)*: Pfizer, Moderna remain highly effective
- *P.1 (Brazil)*: Pfizer, Moderna are 4–7 times less effective
  - Appear to be within an important "cushion of protection," particularly after 2 doses
- *B.1.351 (South Africa)*: Pfizer, Moderna 6–8 times less effective
  - AstraZeneca vaccine was 86 times less effective against B.1.351
  - J&J also less effective during clinical trials in South Africa
- J&J, Moderna, Pfizer exploring options to improve effectiveness against variants (additional doses, reformulations, etc.)

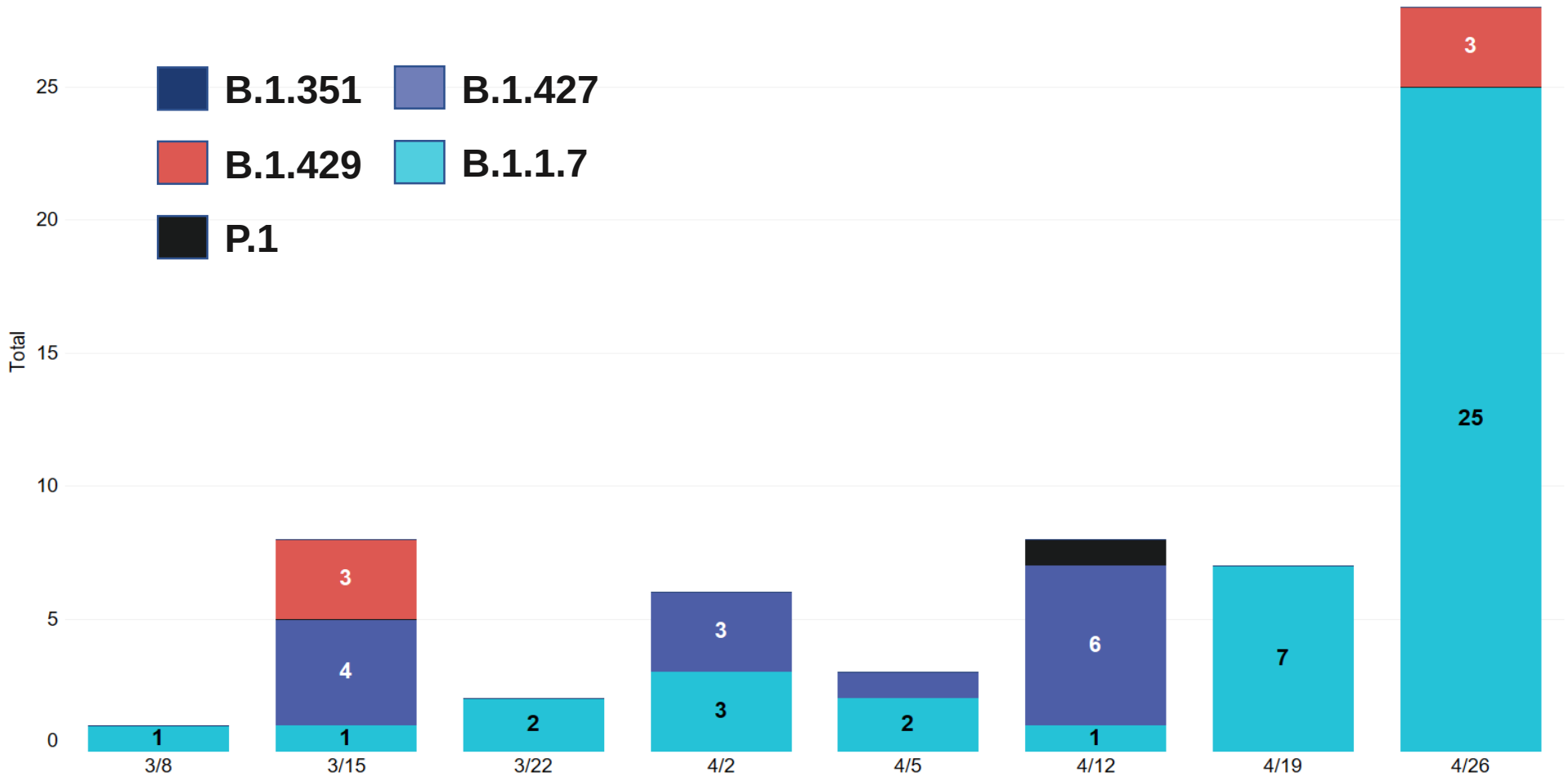
Source: Where Do COVID Vaccines Stand Against the Variants? March 30, 2021. webmd.com/vaccines/covid-19-vaccine/news/20210330/where-do-covid-vaccines-stand-against-the-variants

WEIGHTED ESTIMATES OF PROPORTIONS OF COVID-19 LINEAGES

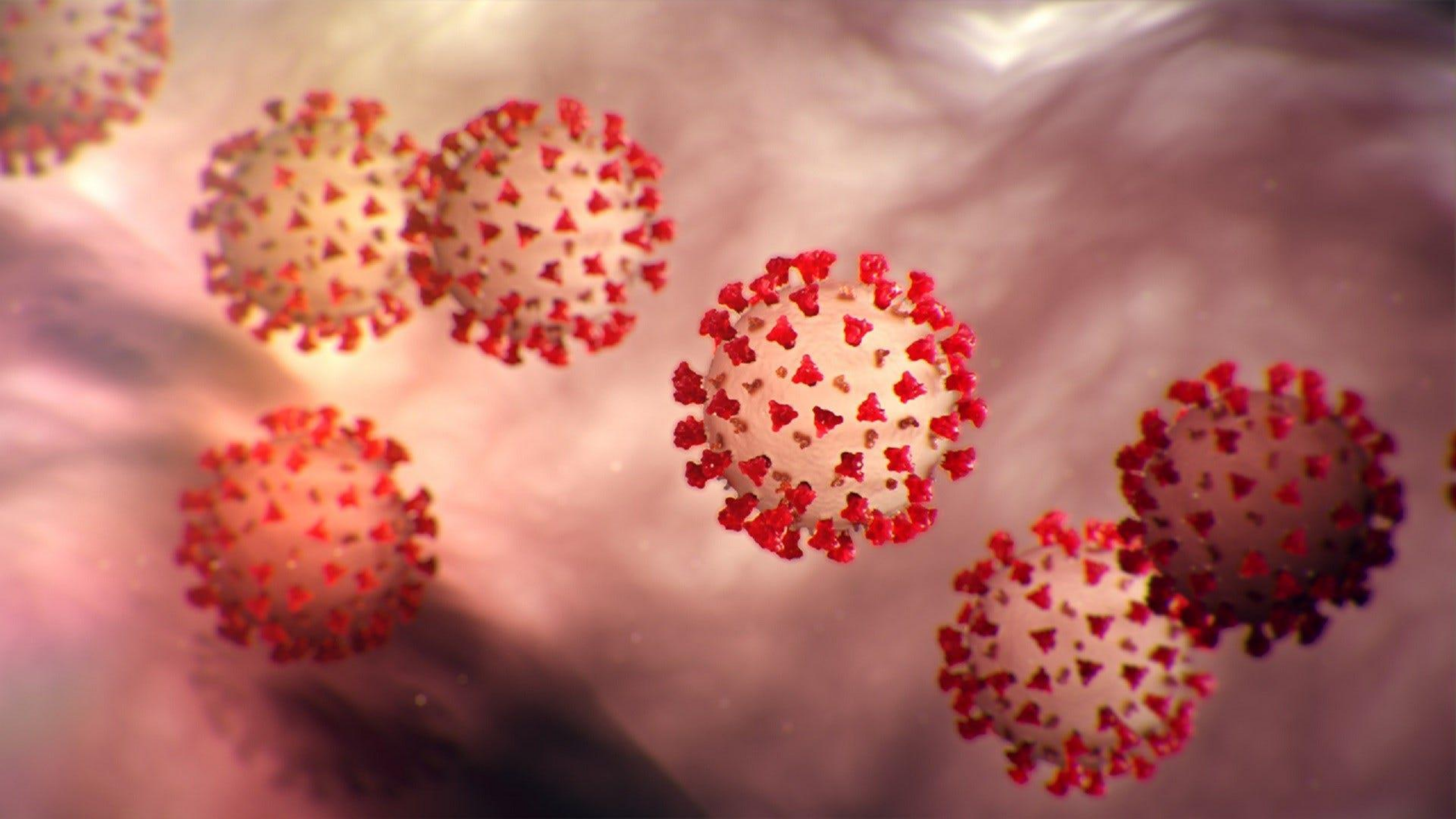


Source: CDC Data Tracker. Updated April 27, 2021. Data as of April 10, 2021. https://covid.cdc.gov/covid-data-tracker/#variant-proportions

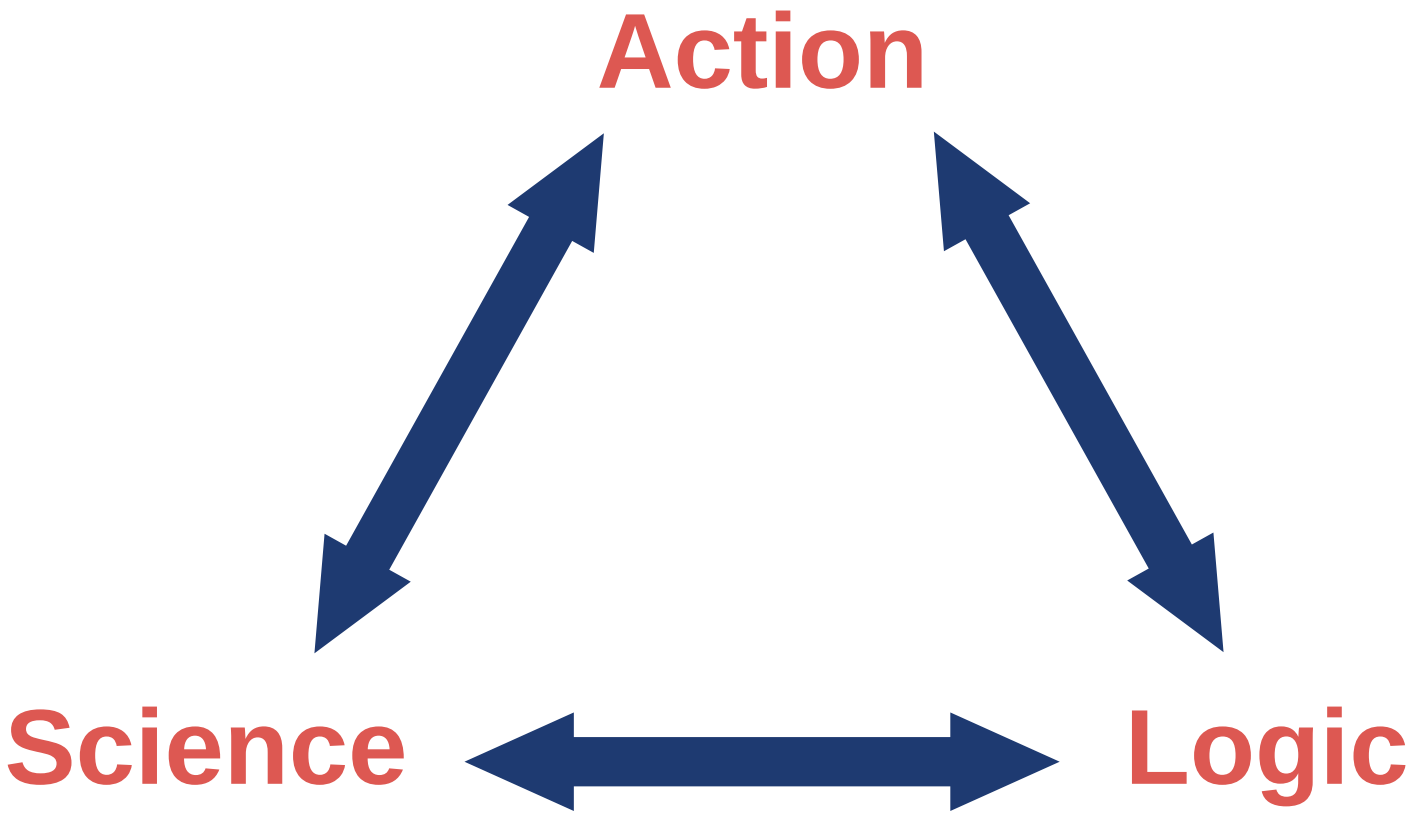
COVID-19 VARIANT INFECTIONS IN ARKANSAS



Source: Arkansas Department of Health April 27, 2021 presentation



2021 COVID-19 STRATEGY



NOMINATIONS FOR ACHI'S DR. TOM BRUCE ARKANSAS HEALTH IMPACT AWARD NOW OPEN

"Given to an individual who embodies Dr. Tom Bruce's lifetime of service by demonstrating courageous leadership and a sustained record as a catalyst for improving the health of all Arkansans, and who exemplifies the core values of ACHI (trust, commitment, innovation, and initiative)."

Deadline for nominations: May 6

achi.net/tom-bruce-award-nomination

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QUESTIONS?