A LIGHT at the END of the TUNNEL
At least 32,200,000 confirmed cases

At least 574,000 reported deaths

COVID-19 IN THE UNITED STATES

Sources: Washington Post and Johns Hopkins University, as of April 29, 2021.
COVID-19 IN THE UNITED STATES: DAILY CASES

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

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
COVID-19 HOSPITALIZATIONS IN ARK. PER DAY

Total of “currently hospitalized” each day since Sept. 1, 2020

Source: Arkansas Department of Health
COVID-19 HOSPITALIZATIONS & DEATHS BY AGE

Cumulative numbers in Arkansas, as of April 26, 2021

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Hospitalizations</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5</td>
<td>167</td>
<td>0</td>
</tr>
<tr>
<td>6-18</td>
<td>311</td>
<td>2</td>
</tr>
<tr>
<td>19-24</td>
<td>488</td>
<td>6</td>
</tr>
<tr>
<td>25-44</td>
<td>2,426</td>
<td>135</td>
</tr>
<tr>
<td>45-64</td>
<td>5,514</td>
<td>945</td>
</tr>
<tr>
<td>65-74</td>
<td>3,955</td>
<td>1,283</td>
</tr>
<tr>
<td>75+</td>
<td>4,704</td>
<td>3,395</td>
</tr>
</tbody>
</table>

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

CDC.GOV

bit.ly/MMWR42321
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**

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

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/prevalenceongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/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***

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** 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

### VACCINE TRACKER

**Updated April 28, 2021**

<table>
<thead>
<tr>
<th>PHASE 1</th>
<th>PHASE 2</th>
<th>PHASE 3</th>
<th>AUTHORIZED</th>
<th>APPROVED</th>
<th>ABANDONED</th>
</tr>
</thead>
<tbody>
<tr>
<td>49</td>
<td>36</td>
<td>27</td>
<td>6</td>
<td>8</td>
<td>4</td>
</tr>
</tbody>
</table>

- Vaccines testing safety and dosage
- Vaccines in expanded safety trials
- Vaccines in large-scale efficacy tests
- Vaccines in early or limited use
- Vaccines approved for full use
- Vaccines abandoned after trials

COVID-19 VACCINATION PROGRESS IN ARKANSAS

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

![Maps showing vaccination progress by region.](image)

Source: Arkansas Department of Health, as of April 27.
COVID-19 VACCINATION PROGRESS IN ARKANSAS

2,494,780 vaccine doses received

1,661,921 vaccine doses administered

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
** 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.)

WEIGHTED ESTIMATES OF PROPORTIONS OF COVID-19 LINEAGES

COVID-19 VARIANT INFECTIONS IN ARKANSAS

Source: Arkansas Department of Health April 27, 2021 presentation
2021 COVID-19 STRATEGY

Action

Science  Logic
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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achi.net/newsletter
QUESTIONS?