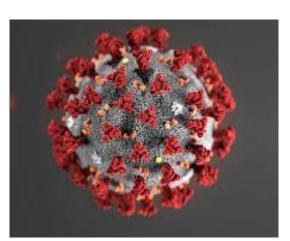
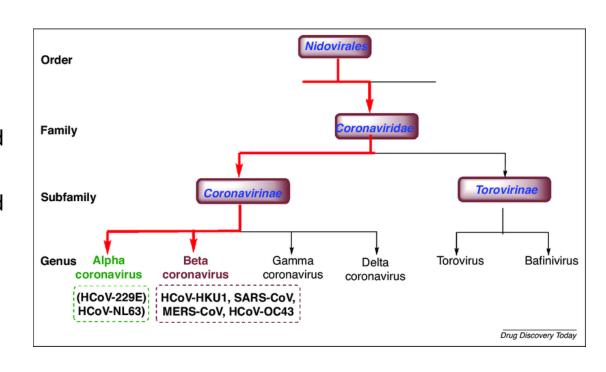
City of Jonesboro Council Meeting

4-21-20

- What is COVID19?
  - Coronaviridae Family
    - Toroviruses
    - Coronaviruses
      - Alpha Coronavirus
        - Multiple that cause the common cold
      - Beta Coronavirus
        - Multiple that cause the common cold
        - MERS-CoV (2012)
        - SARS-CoV (2003,2008)
        - SARS-CoV2 (COVID 19)





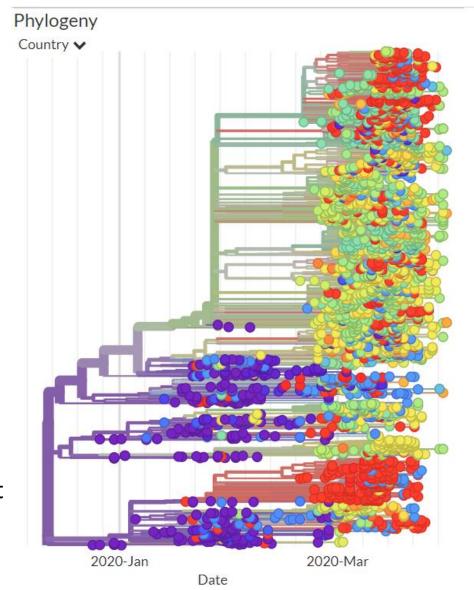
### Nextstrain

### • What is COVID19?

- Virus (not a bacteria, parasite, or fungus)
- Affects on the body
  - Infects the nose, eyes, mouth; moves into the lungs
  - Can spread to heart, kidneys, brain, liver, small bowel

### Spread

- Highly contagious respiratory virus; "droplets"
- Lives on surfaces for days, can "hang" in the air for hours
- Very "sneaky" (aka asymptomatic spread)
- At Risk Groups for severe disease
  - Over the age of 65
  - Chronic medical conditions (high blood pressure, heart disease, diabetes, obesity)
  - Younger with no medical issues (Cytokine storm?)



### What is COVID19?

- Protection
  - Hand washing, don't touch your face
  - Mask wearing in public (protects you and others)
  - Social distancing (limit the # of people the virus can infect)

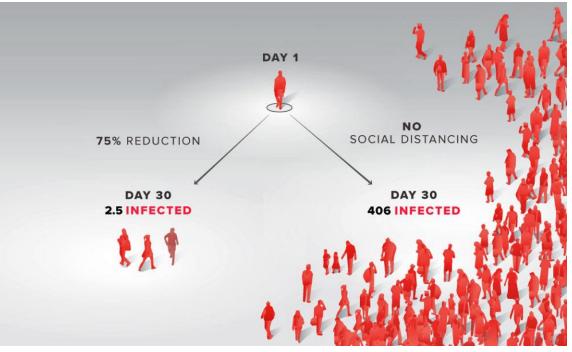


- Special test needed (RT-PCR; Ab testing)
- Limited for now; Not sure how reliable it is.



White House coronavirus task force member Dr. Anthony Fauci is urging caution about relying on coronavirus antibody tests to determine whether someone who has recovered from the illness is immune.





- How do we fight it?
  - Medications
    - None
      - Over 300 trials ongoing now
      - Hydroxychloroquine, Zithromax, Remdesivir, Colchicine, Ritonavir, Tocilizumab, etc.
  - Vaccine
    - None
      - Three are promising and have moved on to human trials. Available early to mid-2021
  - Limit the Spread
    - At least 6 feet a part or more
    - Hand washing with soap or use of alcohol based product
    - Wearing of a mask in public
    - Social Distancing Policies "Flattening the Curve"
- Are you Immune after you get infected?
  - Theoretically "yes", but.....
  - Appears to last 3 18 months depending upon immune response
  - Stresses the need for a vaccine and effective treatment.
  - South Korea 116 test positive after recovering?

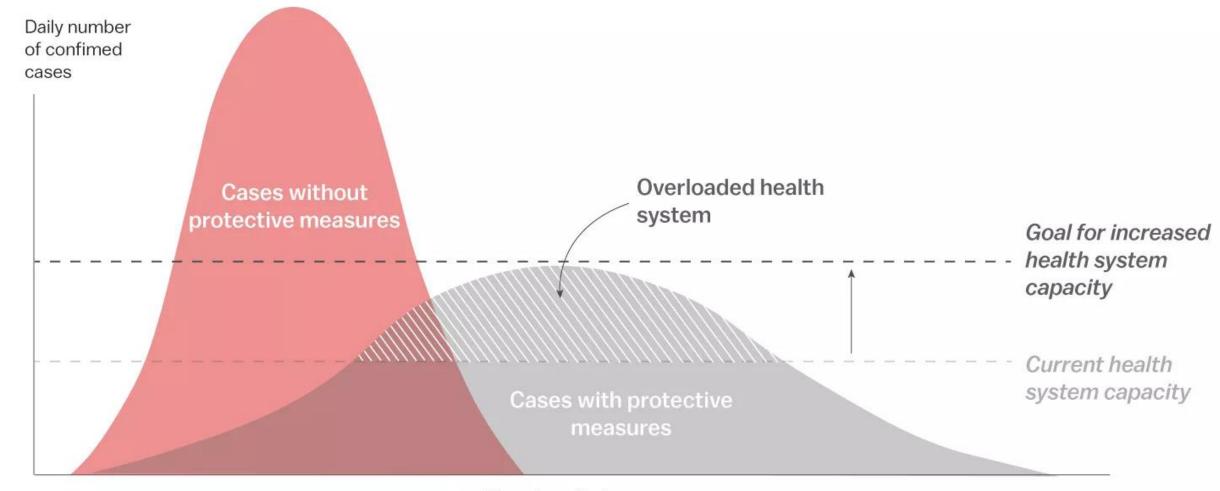
New data on the investigational antiviral drug remdesivir (Gilead) suggest clinical improvement in 36 of 53 patients (68%) hospitalized for severe COVID-19, according to a new study published online April 10 in the *New England Journal of Medicine*.







### Raising the line while flattening the curve



Time since first case





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

**Total Confirmed** 

2,499,723

Confirmed Cases by Country/Region/Sovereignty

US

Spain

Italy

France

Germany

United Kingdom

Turkey

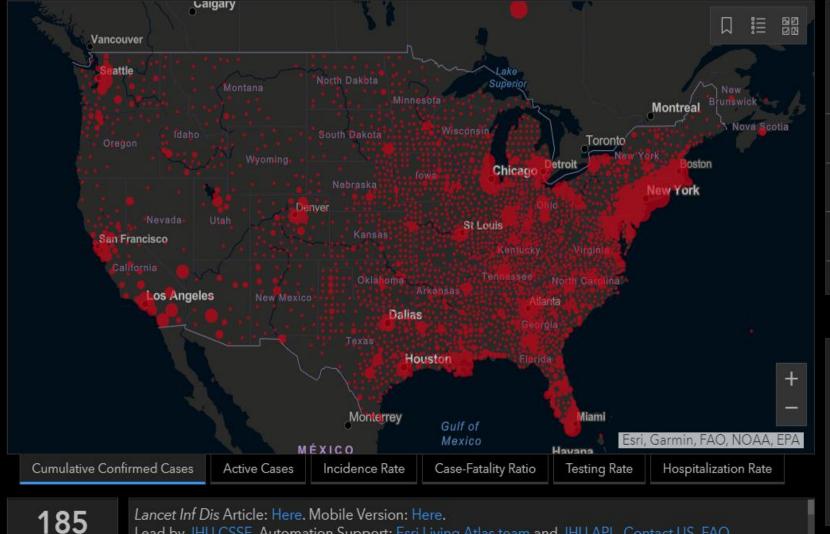
Iran

China

Admin0

Last Updated at (M/D/YYYY) 4/21/2020, 8:38:33 AM

countries/regions

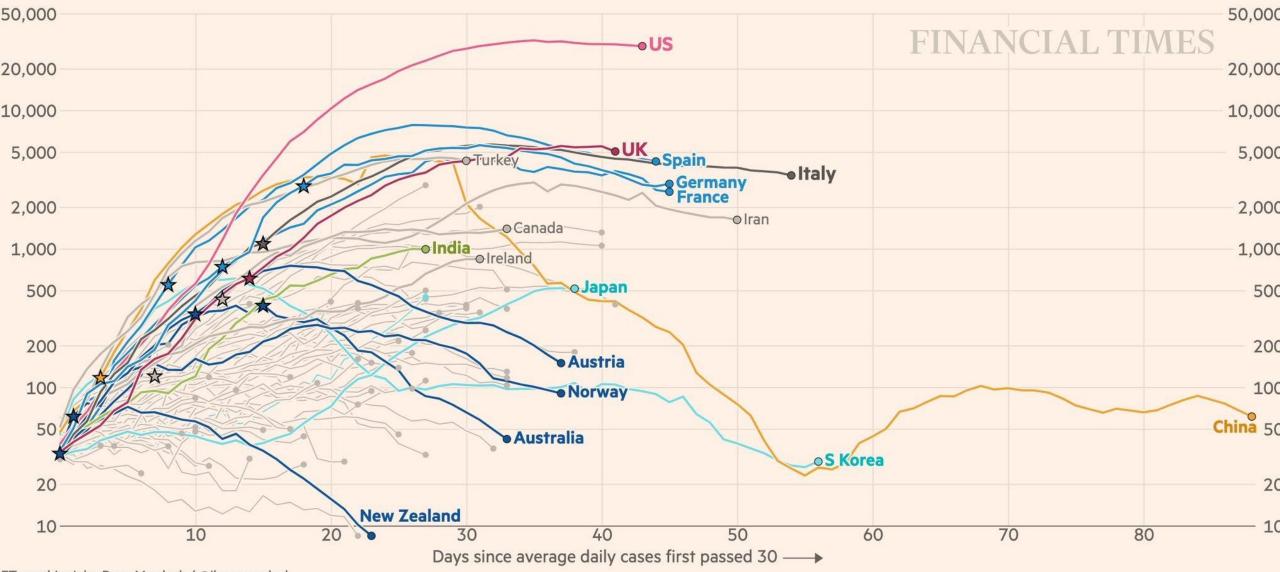


Lead by JHU CSSE. Automation Support: Esri Living Atlas team and JHU APL. Contact US. FAQ.



### Several countries have turned the corner, with numbers of new cases now in decline

Daily confirmed cases (7-day rolling average), by number of days since 30 daily cases first recorded Stars represent national lockdowns

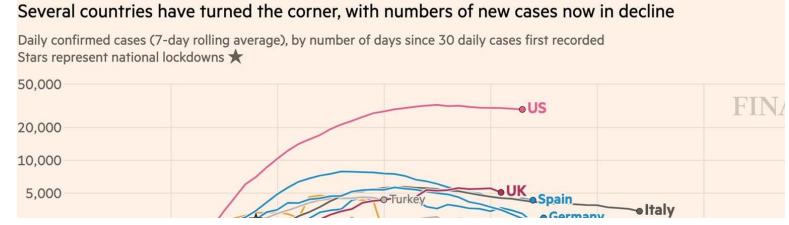


FT graphic: John Burn-Murdoch / @jburnmurdoch

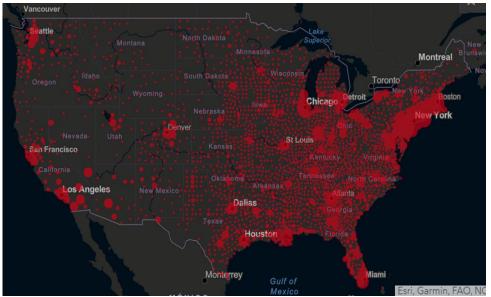
Source: FT analysis of European Centre for Disease Prevention and Control; FT research. Data updated April 18, 19:55 BST



- Current Situation
  - United States
    - 95% of the population is under some type of "lock down"
    - 43,796 deaths in 3 months (first U.S. death reported 2/29/19)
      - Influenza 25,000-45,000 deaths in a season (Oct-May)
    - Virus is migrating to the central U.S. (Urban to Rural)
    - Good news the curve is "flattening"

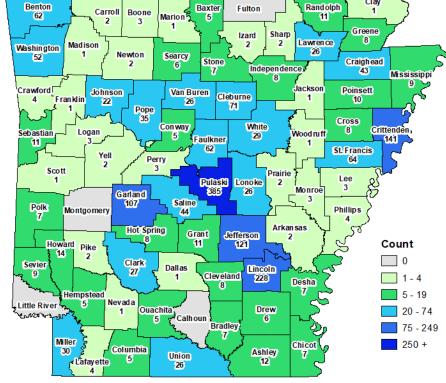






- Current Situation
  - Arkansas
    - Social Distancing is working; "Targeted Approach"
  - Cases on the rise, but slower
    - Prison System
  - May 4<sup>th</sup> Phase 1 target date
    - Testing
    - Contact Tracing

### Number of Positive COVID-19 Specimens





0-17:66

18-24: 132

25-44: 632

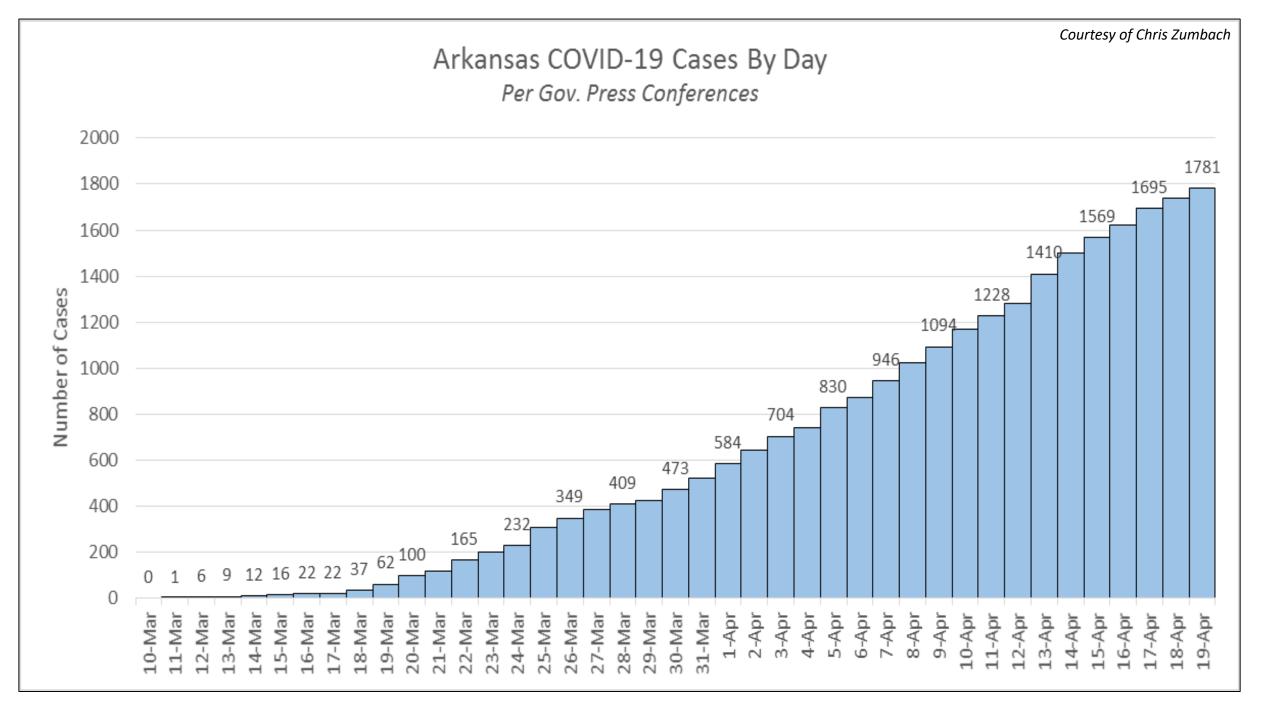
45-64: 690

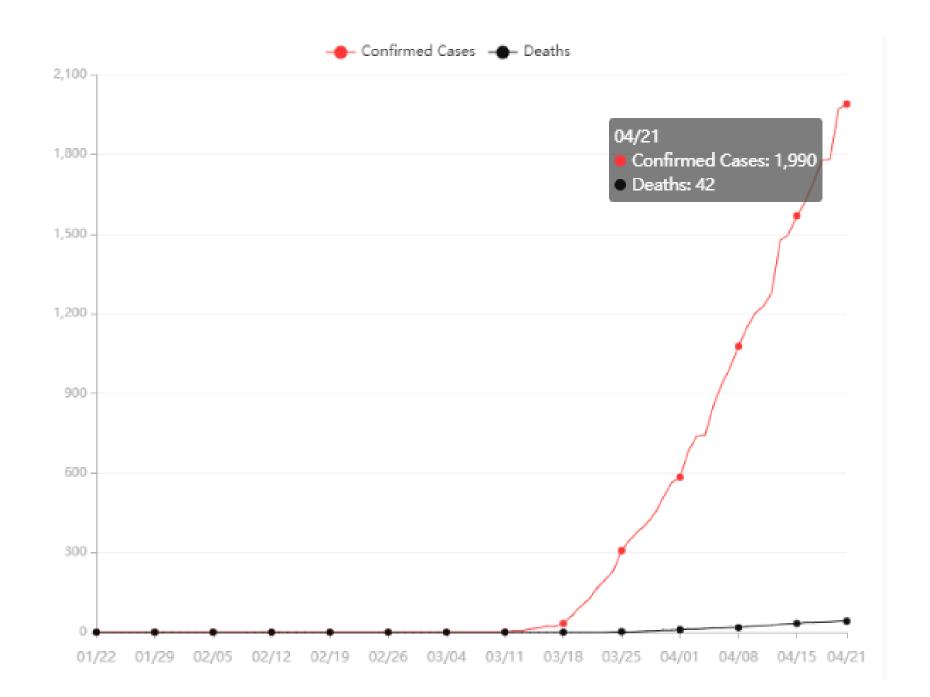
65+: 396

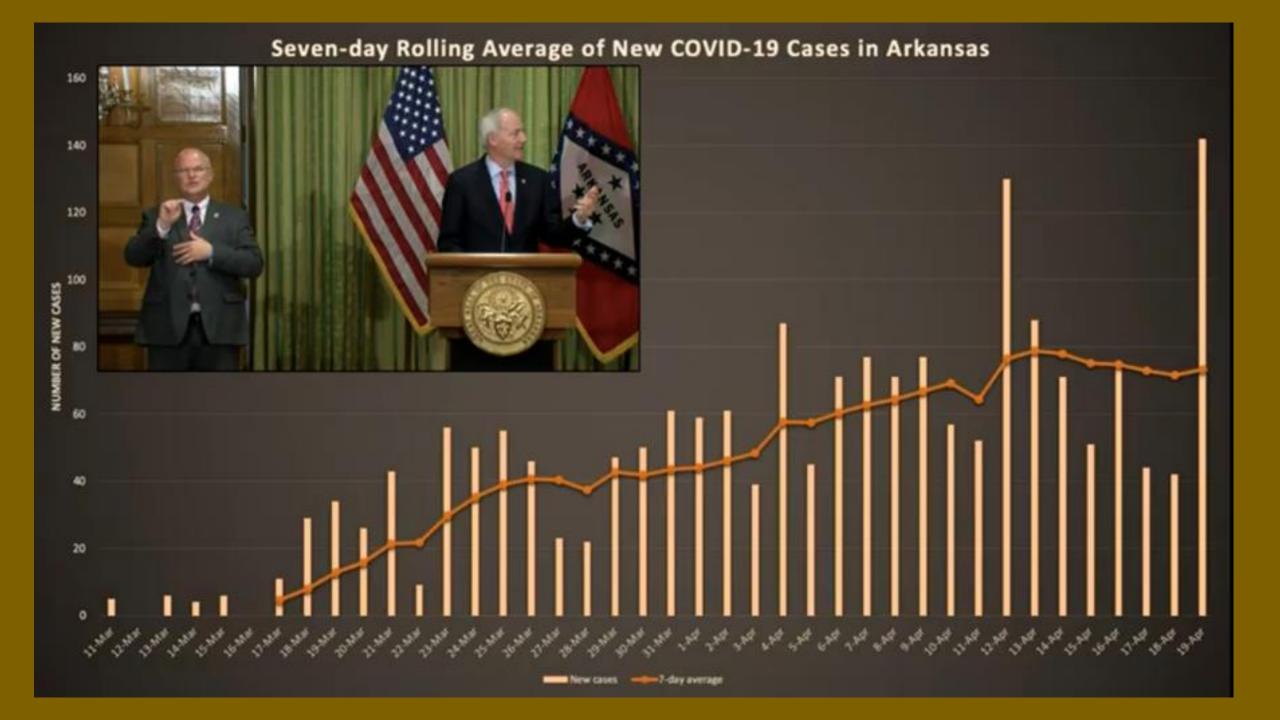
Date: April 20, 2020 Source: Arkansas Department of Health Map created by: Donald McCormick, MSHI

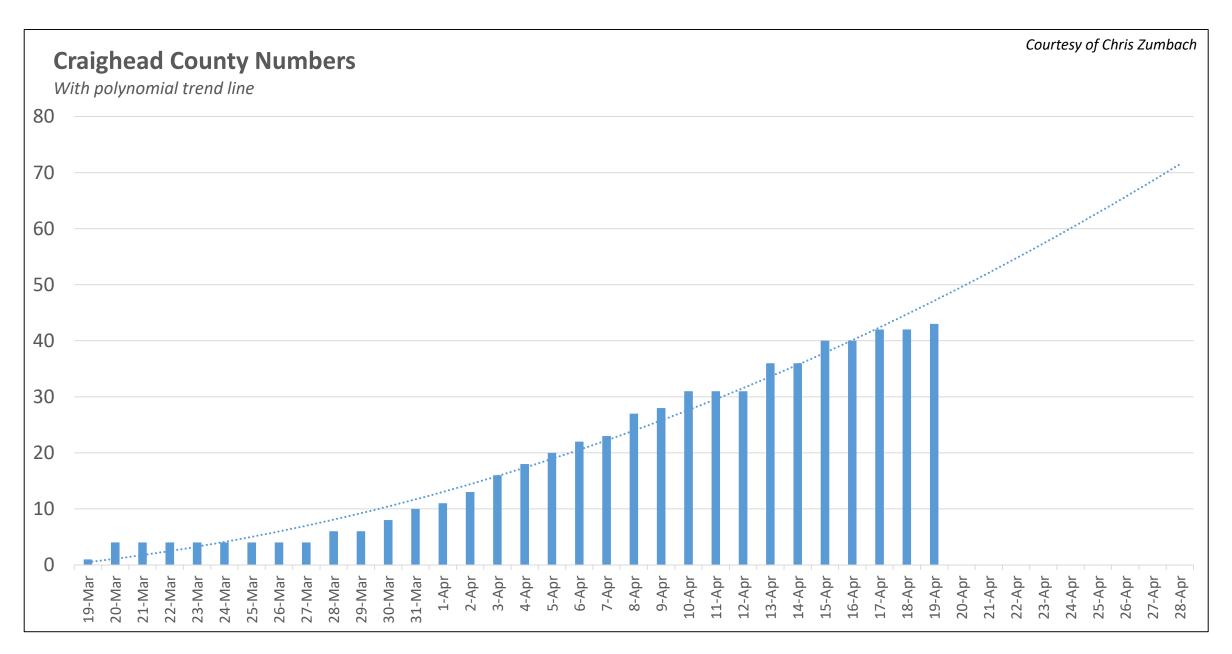
Total Number of Positive Specimens\*: 1,923

As of 4/20/2020 at 10:00 am

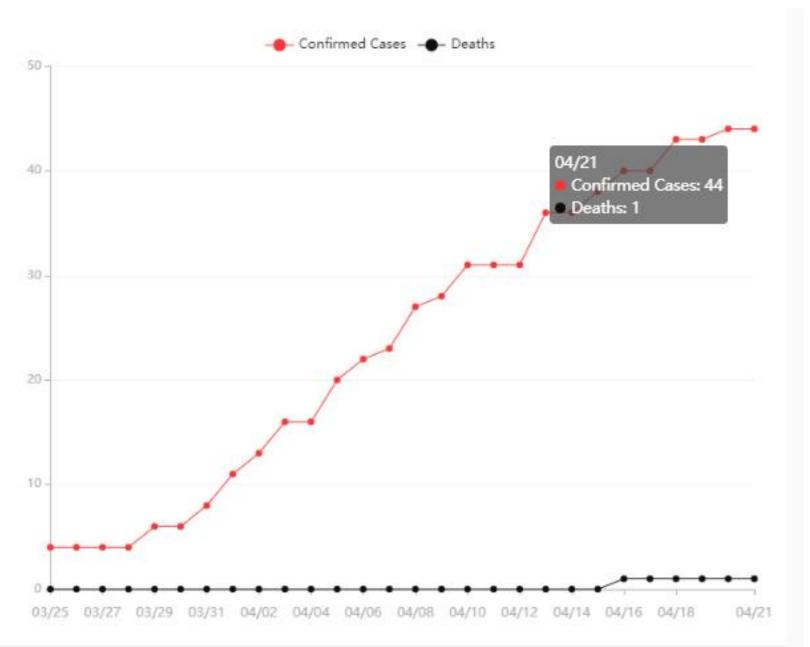




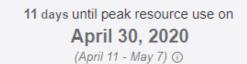


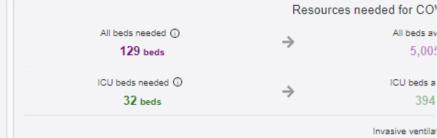


## **Craighead County**



### Hospital resource use



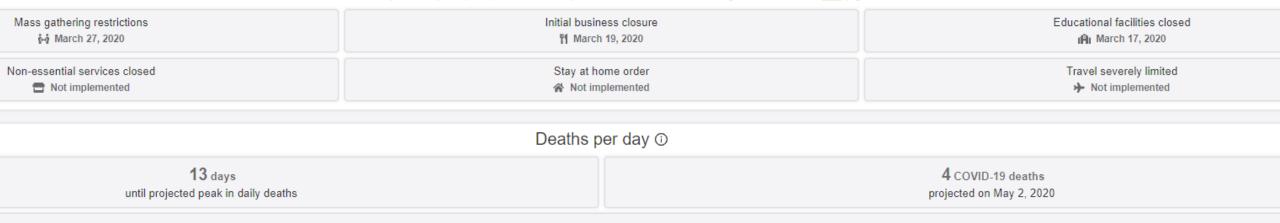






### Government-mandated social distancing ①

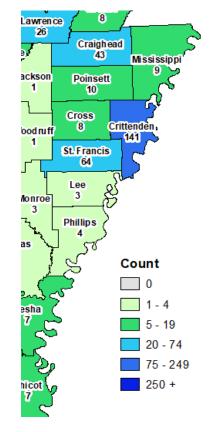
As of our most recent update on April 17, 2020, Arkansas had implemented 3 out of 6 social distancing measures. See our FAQ page for details.



### Containment strategy ①



- Current Situation
  - Arkansas expected peak? (first peak)
    - Depends on the community, depends on the model.
      - Central Arkansas will likely peak first, then Northwest Arkansas
      - Northeast Arkansas May/June. (July?) (Crittenden County?)
    - Reminder on "the peak" and "flattening the curve"

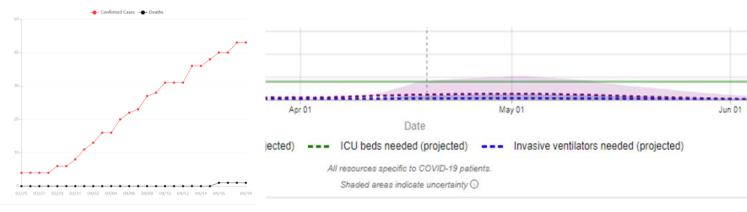


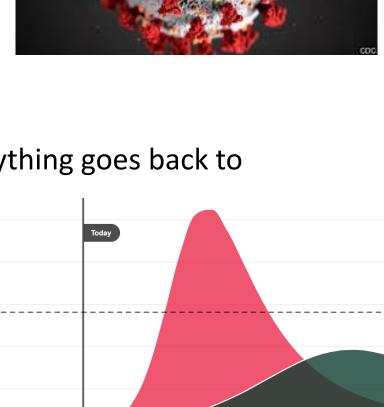
If we are successful in "flattening the curve" that means we prolong the presence of the disease in our community, but we don't overwhelm our healthcare system.

- What happens after the peak?
  - "Now that we've peaked......"
  - White House Guidance
  - Arkansas Department of Health Workgroup

• Public misconception that the virus is "gone" and everything goes back to "normal".

• State, County, and City approach





3 months of social distancing
 3 months of stay at home

- Restarting the Economy
  - How?
    - Phases
      - Specific guidance for each workforce segment
      - Screening, testing, and contact tracing
      - When we see an increase in cases above a certain threshold we back down (two steps forward, one step back)
  - How long will that take?
    - Probably 6-12 months or more.
    - Once a vaccine is created that is readily accessible to everyone.
    - Once the virus becomes "seasonal"
  - Concerns
    - Compliance, Testing and Tracking,
       Second peak, Fall 2020?

# Restarting America Means People Will Die. So When Do We Do It?

Five thinkers weigh moral choices in a crisis.

"Clearly this is something that is hurting from the standpoint of economics and the standpoint of things that have nothing to do with the virus, but unless we get the virus under control, the real recovery economically is not going to happen," Fauci said on "Good Morning America."

### White House "Gating" Criteria



### **Proposed State or Regional Gating Criteria**

(Satisfy Before Proceeding to Phased Opening)

#### SYMPTOMS

Downward trajectory of influenza-like illnesses (ILI) reported within a 14-day period

AND

Downward trajectory of covid-like syndromic cases reported within a 14-day period

### **CASES**

Downward trajectory of documented cases within a 14-day period

OR

Downward trajectory of positive tests as a percent of total tests within a 14-day period (flat or increasing volume of tests)

### HOSPITALS

Treat all patients without crisis care

AND

Robust testing program in place for at-risk healthcare workers, including emerging antibody testing

\*State and local officials may need to tailor the application of these criteria to local circumstances (e.g., metropolitan areas that have suffered severe COVID outbreaks, rural and suburban areas where outbreaks have not occurred or have been mild). Additionally, where appropriate, Governors should work on a regional basis to satisfy these criteria and to progress through the phases outlined below.

### • White House "Gating" Criteria



### **Proposed State or Regional Gating Criteria**

(Satisfy Before Proceeding to Phased Opening)

#### SYMPTOMS

Downward trajectory of influenza-like illnesses (ILI) reported within a 14-day period

AND

Downward trajectory of covid-like syndromic cases reported within a 14-day period

### CASES

Downward trajectory of documented cases within a 14-day period

OR

Downward trajectory of positive tests as a percent of total tests within a 14-day period (flat or increasing volume of tests)

### HOSPITALS

Treat all patients without crisis care

Robust testing program in place for at-risk healthcare workers, including emerging antibody testing

\*State and local officials may need to tailor the application of these criteria to local circumstances (e.g., metropolitan areas that have suffered severe COVID outbreaks, rural and suburban areas where outbreaks have not occurred or have been mild). Additionally, where appropriate, Governors should work on a regional basis to satisfy these criteria and to progress through the phases outlined below.

## Phase One

ALL VULNERABLE INDIVIDUALS\* should continue to shelter in place. Members of households with vulnerable residents should be aware that by returning to work or other environments where distancing is not practical, they could carry the virus back home. Precautions should be taken to isolate from vulnerable residents.

All individuals, **WHEN IN PUBLIC** (e.g., parks, outdoor recreation areas, shopping areas), should maximize physical distance from others. Social settings of more than 10 people, where appropriate distancing may not be practical, should be avoided unless precautionary measures are observed.

Avoid **SOCIALIZING** in groups of more than 10 people in circumstances that do not readily allow for appropriate physical distancing (e.g., receptions, trade shows)

MINIMIZE NON-ESSENTIAL TRAVEL and adhere to CDC guidelines regarding isolation following travel.

\*See Appendix 1 for Definition of Vulnerable Individuals

## Phase One

Continue to **ENCOURAGE TELEWORK**, whenever possible and feasible with business operations.

If possible, RETURN TO WORK IN PHASES.

Close **COMMON AREAS** where personnel are likely to congregate and interact, or enforce strict social distancing protocols.

Minimize **NON-ESSENTIAL TRAVEL** and adhere to CDC guidelines regarding isolation following travel.

Strongly consider **SPECIAL ACCOMMODATIONS** for personnel who are members of a **VULNERABLE POPULATION**.

# Phase One SPECIFIC TYPES OF EMPLOYERS

**SCHOOLS AND ORGANIZED YOUTH ACTIVITIES** (e.g., daycare, camp) that are currently closed should remain closed.

VISITS TO SENIOR LIVING FACILITIES AND HOSPITALS should be prohibited.

Those who do interact with residents and patients must adhere to strict protocols regarding hygiene.

**LARGE VENUES** (e.g., sit-down dining, movie theaters, sporting venues, places of worship) can operate under strict physical distancing protocols.

**ELECTIVE SURGERIES** can resume, as clinically appropriate, on an outpatient basis at facilities that adhere to CMS guidelines.

**GYMS** can open if they adhere to strict physical distancing and sanitation protocols.

BARS should remain closed.

- Looking ahead for Jonesboro
  - Protect those at risk
  - Policies and Procedures for:
    - Police
    - Fire
    - E-911
    - Streets and Maintenance
    - Parks and Recreation
    - Other city employees
  - Churches and places of worship
  - Hosting of Events
  - Public Guidance
    - "This is hard."





GUIDELINES

## OPENING UP AMERICA AGAIN

Proposed State or Regional Gating Criteria
(Satisfy Before Proceeding to Phased Opening)

SYMPTOMS CASES HOSPITALS

Downward trajectory of influenza-like Downward trajectory of documented cases illnesses (ILI) reported within a 14-day period within a 14-day period

OR

Downward trajectory of covid-like syndromic cases reported within a 14-day period (flat or increasing volume of tests)

Treat all patients without crisis care

AND
Robust testing program in place for

at-risk healthcare workers, including emerging antibody testing



Center for Health Securit

Public Health Principles for a Phased Reopening During COVID-19: Guidance for Governors

City of Jonesboro Council Meeting

4-21-20