



# 2019 Novel Coronavirus Key Points

## 6-30-2020



## KENTUCKY<sup>1</sup>

State of Emergency declared March 6, 2020

**15,624**

Cases (↑277)

**565**

Deaths (↑5)

**3.6%**

Mortality Rate

**119 counties**

with at least one case



## UNITED STATES<sup>2</sup>

Risk to Americans is widespread

**2,581,229**

Cases (↑35,664)

**126,739**

Deaths (↑370)

**4.9%**

Mortality Rate

**56 states + territories**

with at least one case



## WORLD<sup>3</sup>

WHO declared pandemic on March 11, 2020

**10,185,374**

Cases (↑163,865)

**503,862**

Deaths (↑3,946)

**4.9%**

Mortality Rate

**215 countries**

with at least one case

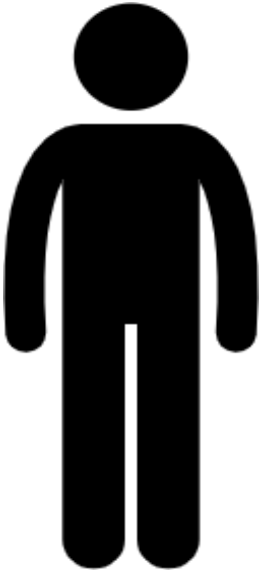
<sup>1</sup>Kentucky Department for Public Health

<sup>2</sup>The Centers for Disease Control and Prevention <https://www.cdc.gov/coronavirus/2019-ncov/cases-in-us.html>

<sup>3</sup>The World Health Organization <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/>

# Current Situation in Kentucky<sup>1</sup>

## Total Case Patient Characteristics (N=15,624)



**Sex: 7,339 Male (47.0%), 8,111 Female (51.9%) – (1.1% unknown)**

**Age (Avg): 46.4 years (Range: 10 days – 107 years) – (0.1% unknown)**

**Race: 74.6% White, 14.2% Black – (30.5% unknown)**

**Ethnicity: 82.7% Non-Hispanic, 17.3% Hispanic – (31.2% unknown)**



**3,830 Cases  
(24.5%)**

associated with  
congregate settings

# Current Situation in Kentucky<sup>1</sup>

## Case Patient Characteristics (N=15,624)



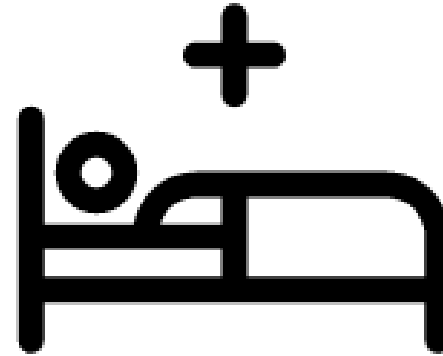
At least

**1,593 (10.2%)**

Report being a  
healthcare worker

**2,621 (16.8%)**

Ever hospitalized



**1,019 (6.5%)**

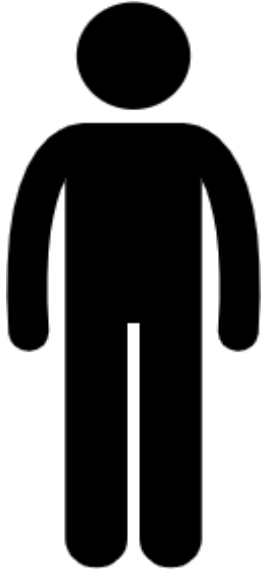
Ever ICU

**3,990 (25.5%)**

Recovered

# Current Situation in Kentucky<sup>1</sup>

## Death Characteristics (N=565)

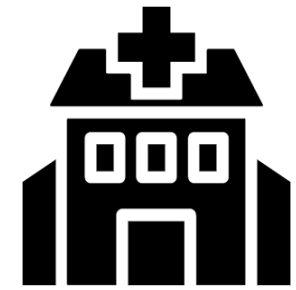


**Sex: 255 Male (45.1%) – 310 Female (54.9%)**

**Age (Avg): 77.7 years (Range: 9 months – 106 years)**

**Race: 80.7% White, 16.1% Black – (6.5% unknown)**

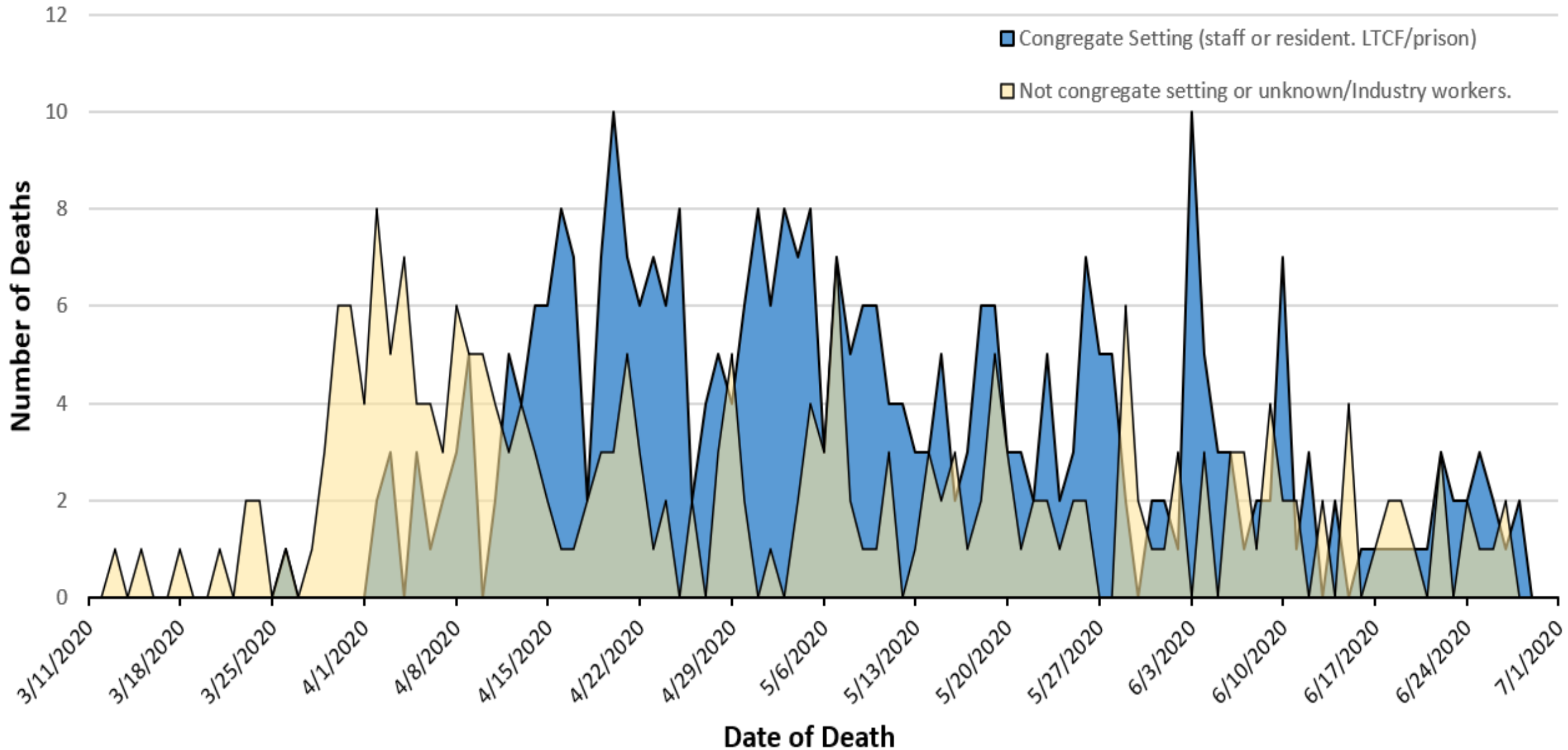
**Ethnicity: 95.8% Non-Hispanic, 4.2% Hispanic – (10.6% unknown)**



**371 Deaths  
(65.7%)**

associated with  
congregate settings

# Resident COVID-19 Deaths in Congregate Setting by Date of Death



# Current Situation in Kentucky<sup>1</sup>

Long-term Care Facilities (LTCFs), Other Congregate Facilities,\*  
Places of Worship and Workplace Settings

**\*Other Congregate Facilities might include:**  
Group Homes,  
Residential Treatment  
Facilities,  
Inpatient Psychiatric  
Hospitals and Correctional  
Facilities



**211 Facilities**

with at least one case

**179** LTCFs

**32** Other Congregate\*

Residents: **2,704** cases, **368** deaths

Staff: **1,126** cases, **3** deaths



**8 Places of Worship**

with 2 or more cases

At least

**188 cases – 33 deaths**

In

**8 counties**



**73 Workplaces**

with 2 or more cases

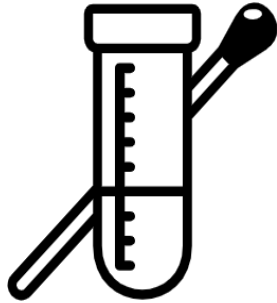
At least

**1,052 cases – 5 deaths**

In

**31 counties**

# Current Situation in Kentucky<sup>1</sup>



**>404,781**

DLS and non-DLS Tests Performed on  
Kentucky Residents

**370,400 PCR** **34,381 Serology**



**Over 20,575 calls**

since opening the KDPH  
COVID-19 clinician/LHD  
call center

**Over 109,024 calls**

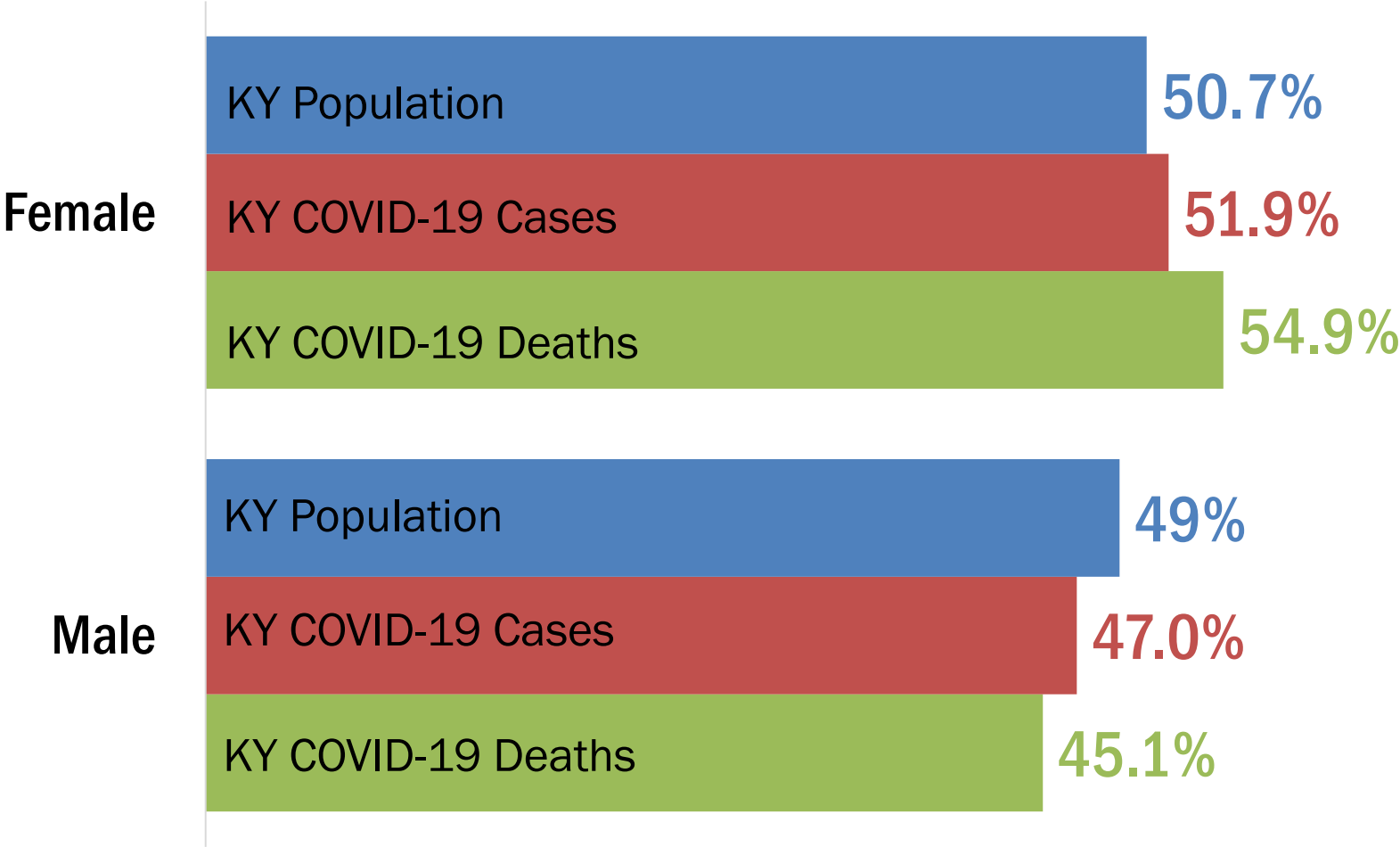
since opening Poison Control  
public COVID-19 hotline<sup>4</sup>

<sup>1</sup>Kentucky Department for Public Health

<sup>4</sup>Kentucky Poison Control COVID-19 Hotline

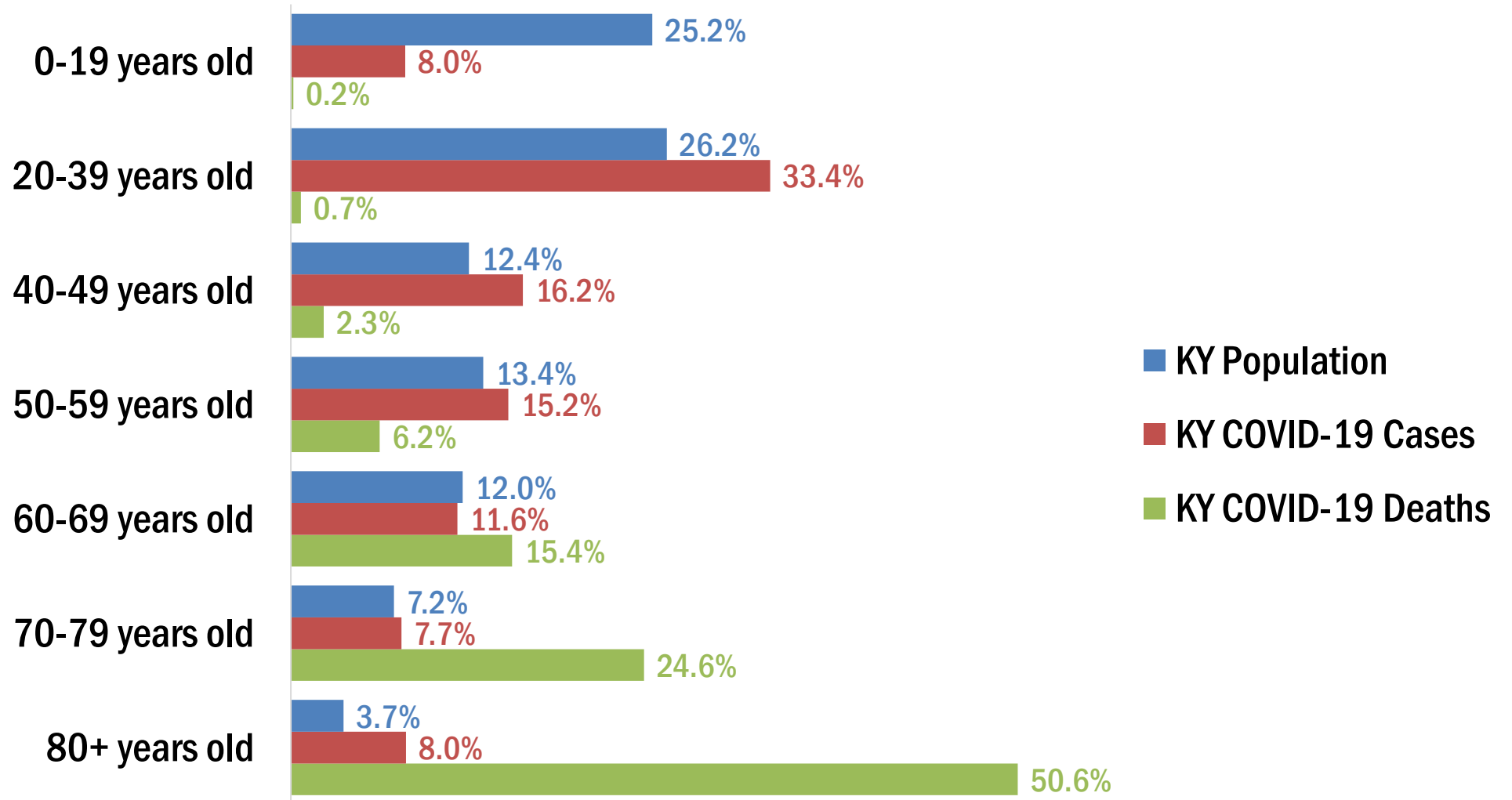


# Distribution of Sex by KY Population, COVID-19 Cases, and COVID-19 Deaths



174 COVID-19 cases with missing/unknown sex (1.1%)  
Updated June 30, 2020

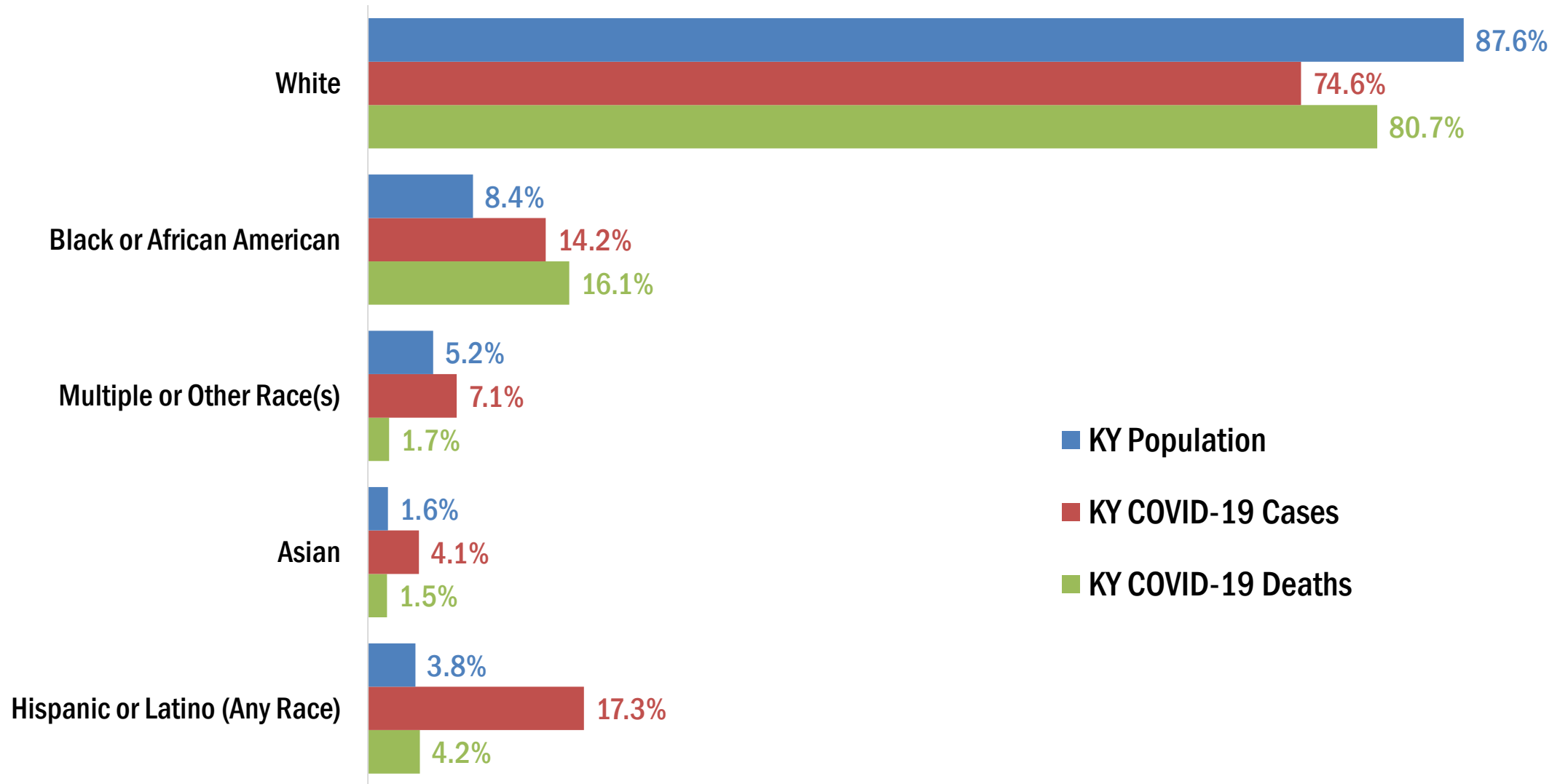
# Distribution of Age by KY Population, COVID-19 Cases, and COVID-19 Deaths



18 COVID-19 cases with missing/unknown age (0.1%)

Updated June 30, 2020

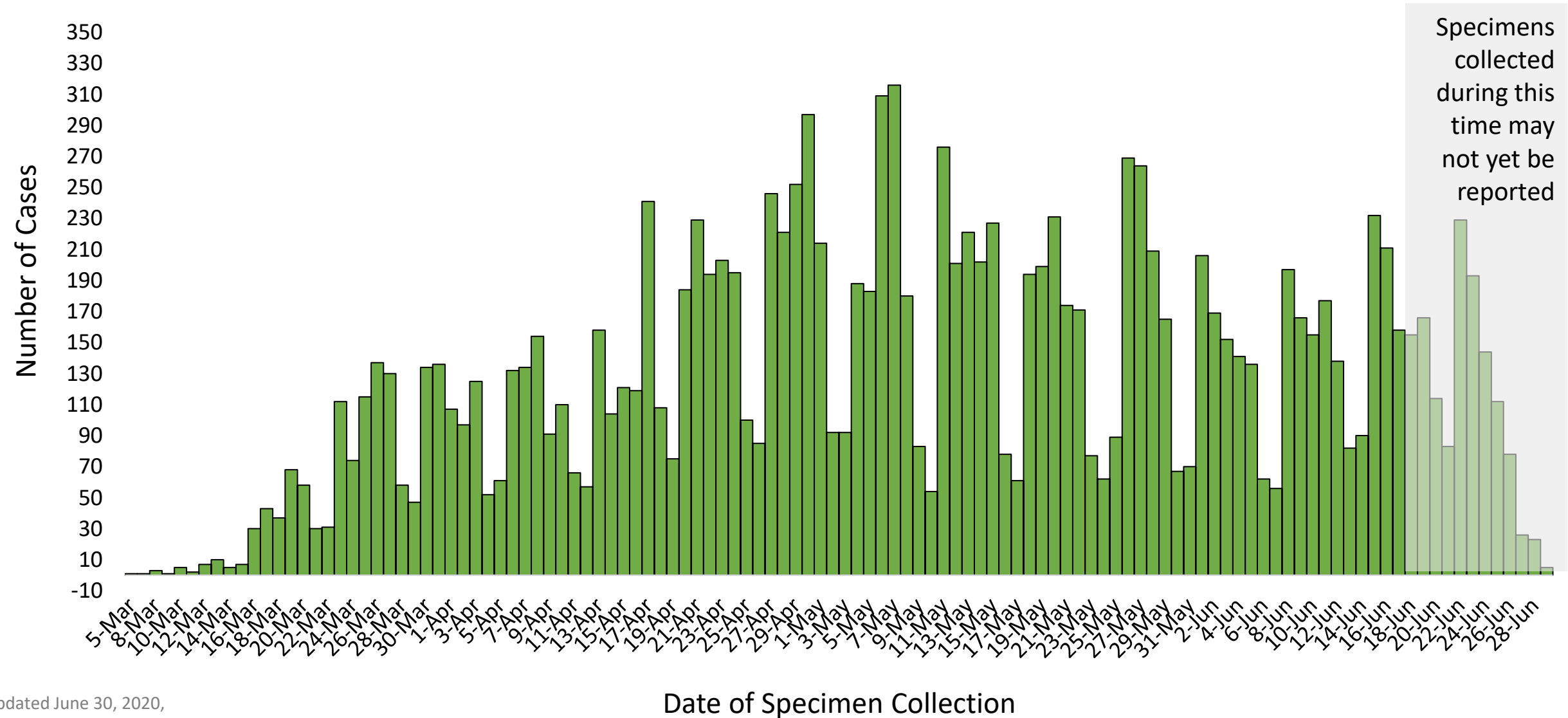
# Distribution of Race/Ethnicity by KY Population, COVID-19 Cases, and COVID-19 Deaths



Excluding COVID-19 cases & deaths with missing/unknown race (n=4772, & 37) and ethnicity (n=4,872 & 60)

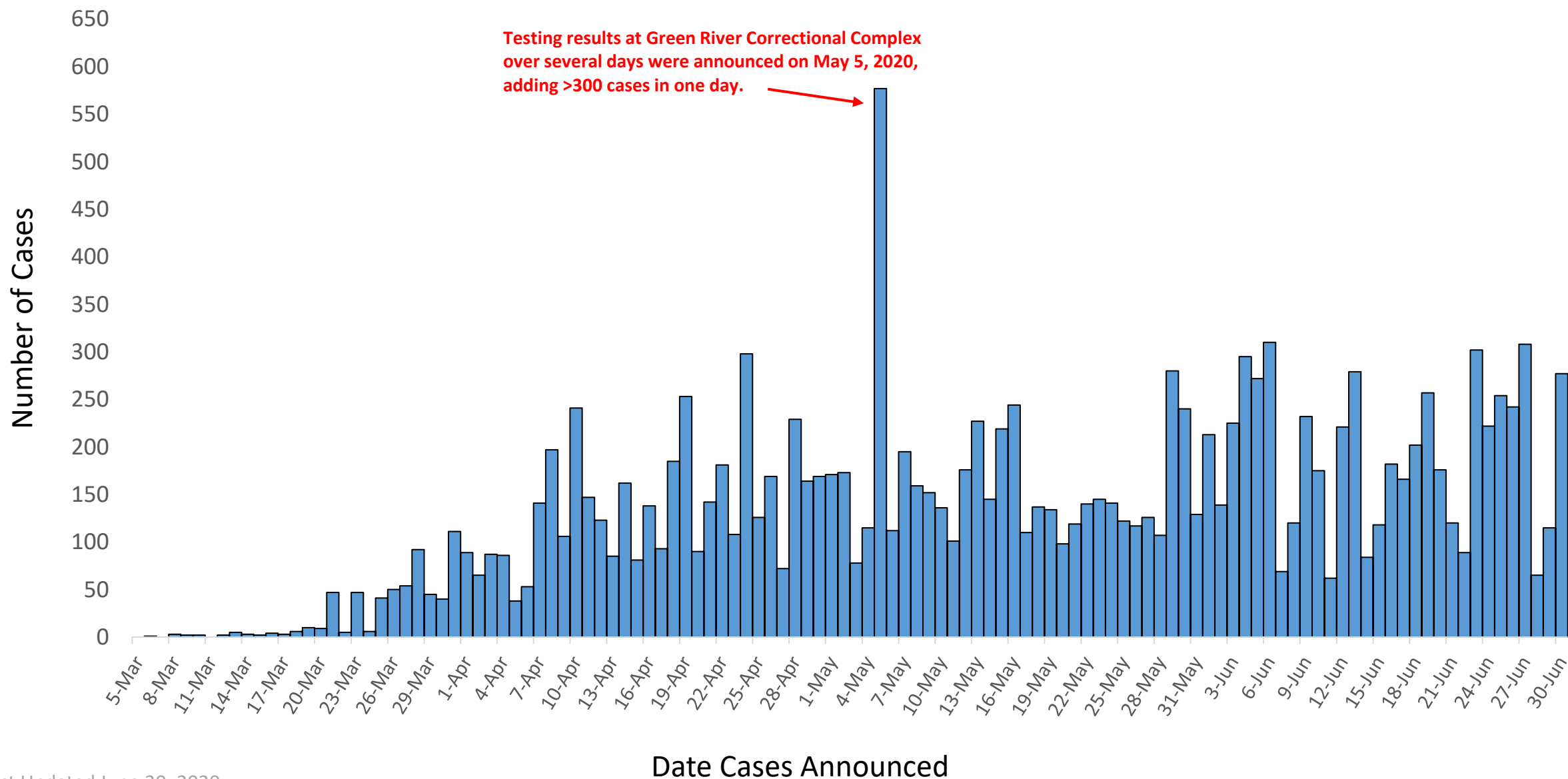
Updated June 30, 2020

# Kentucky COVID-19 Cases by Date of Specimen Collection (n =15,624)

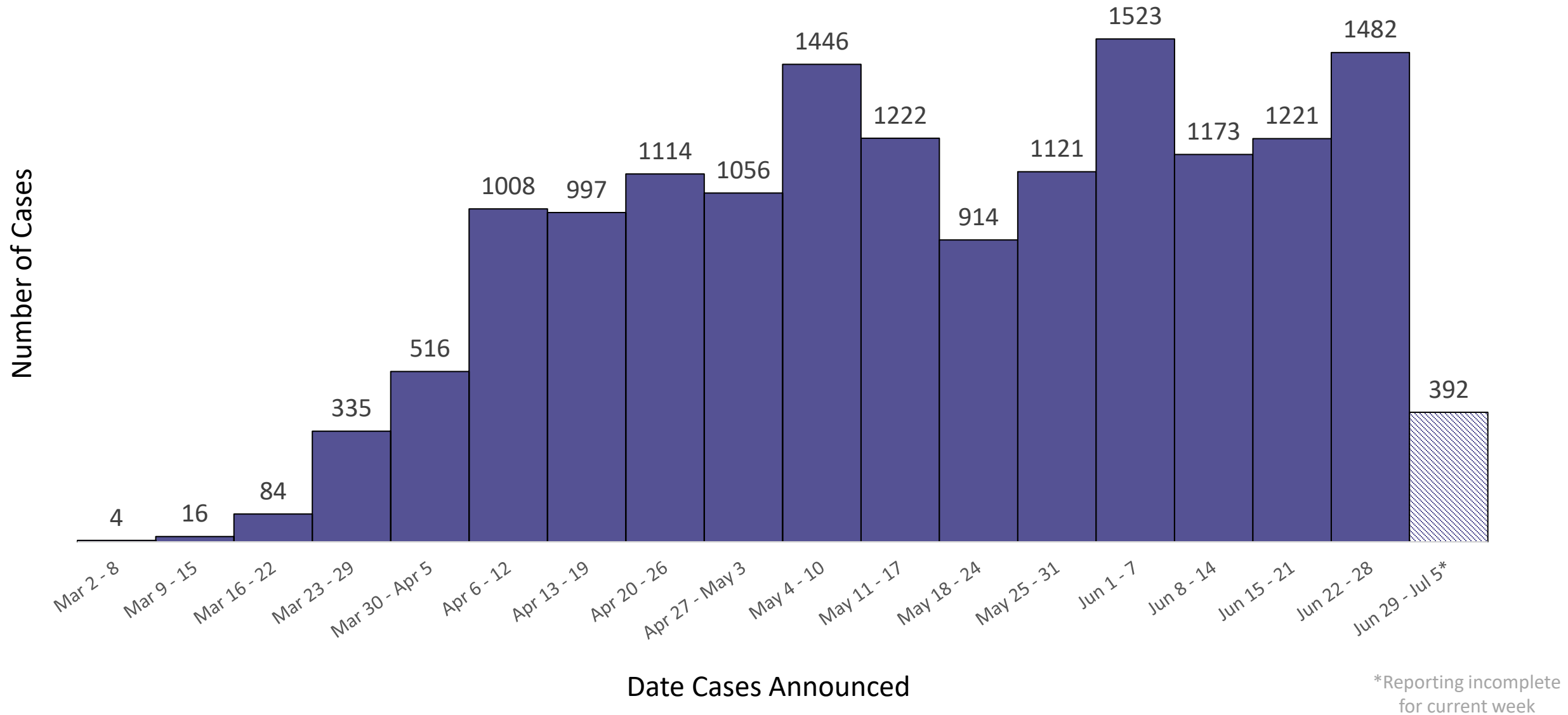


Updated June 30, 2020,  
missing specimen collection date for 950 cases (6.1%)

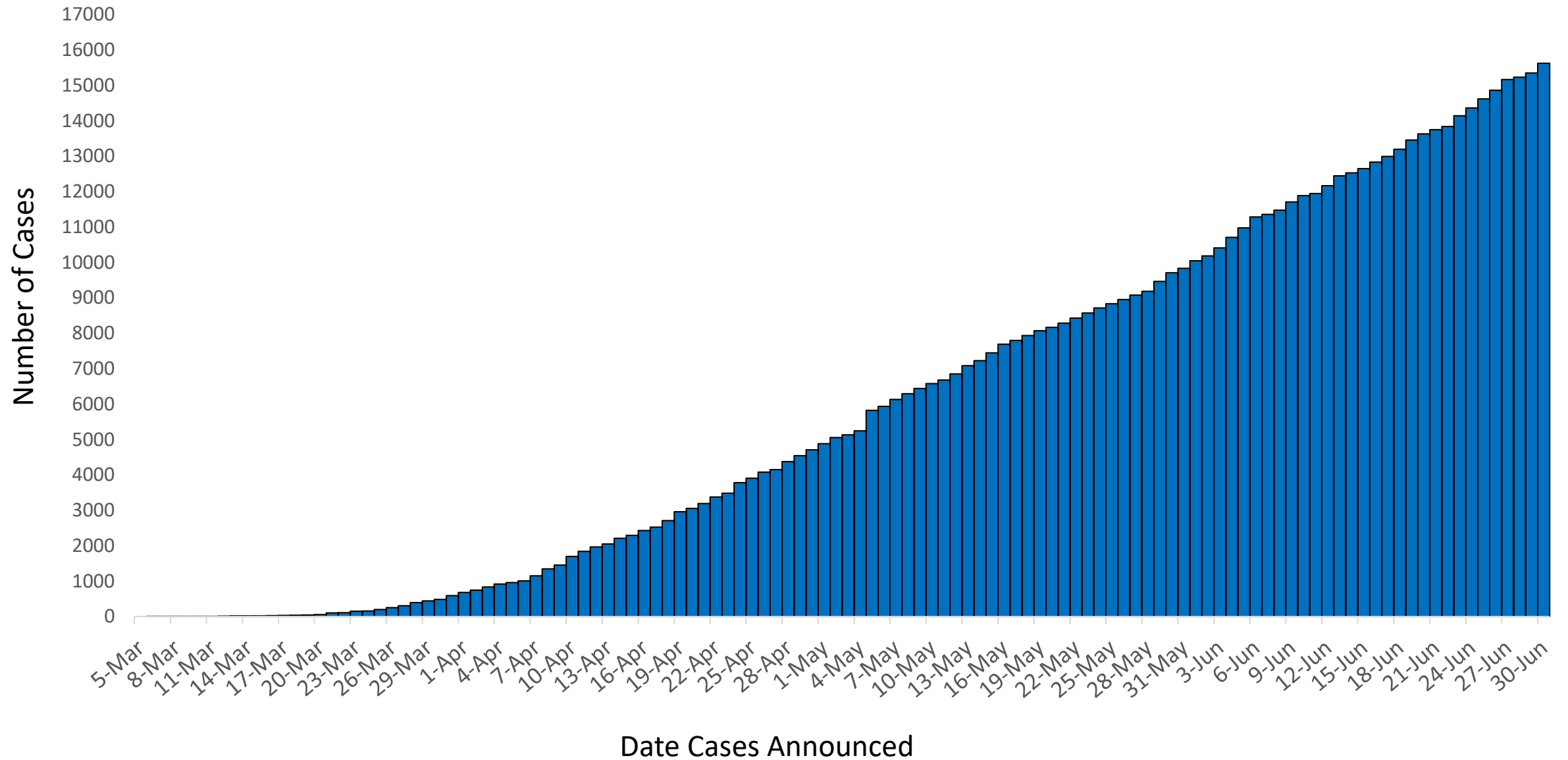
# Kentucky COVID-19 New Cases Announced by Day (n = 15,624)



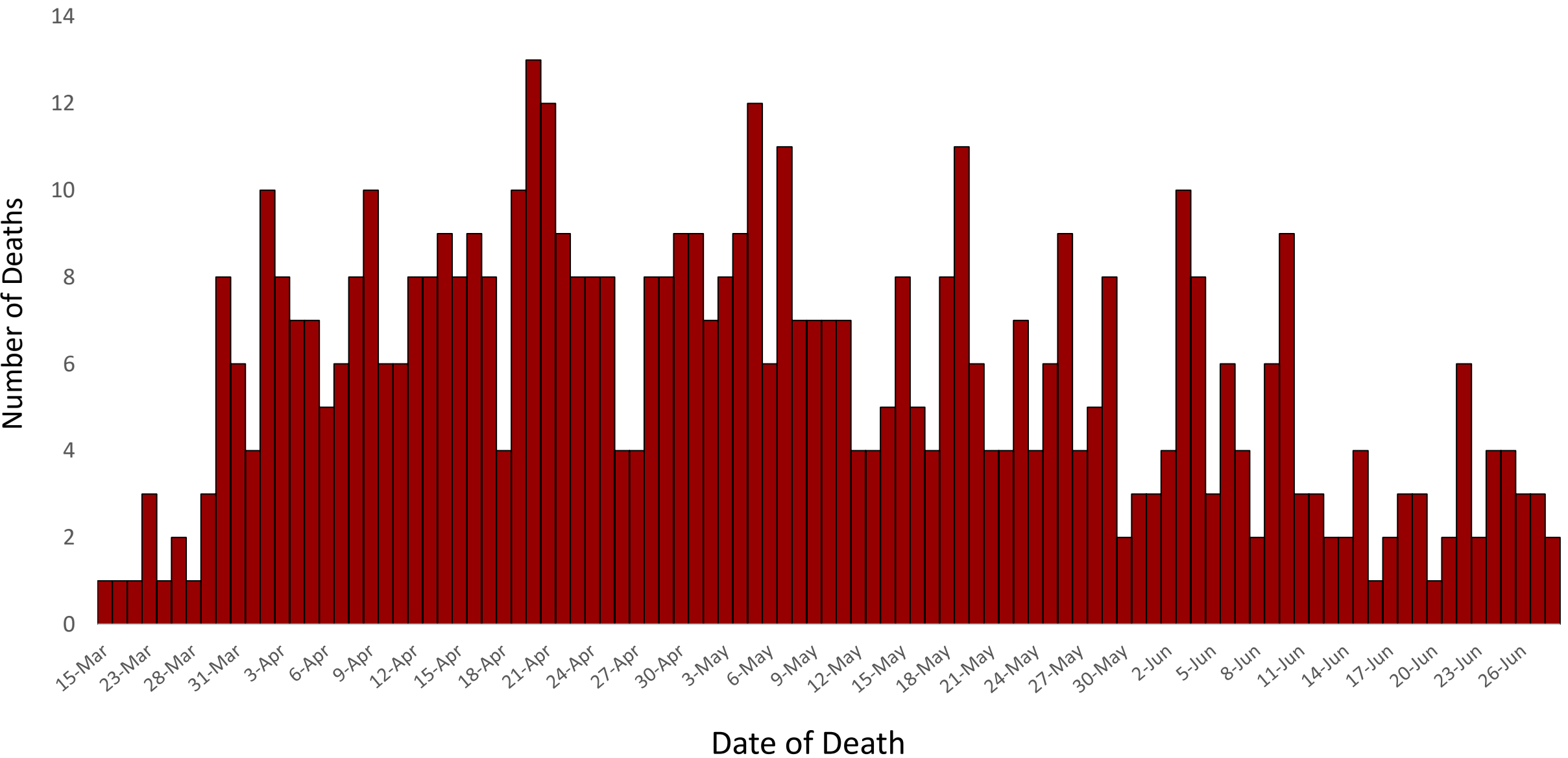
# Kentucky COVID-19 New Cases by Week (n = 15,624)



# Kentucky COVID-19 Cumulative Case Count by Day (n = 15,624)



# Kentucky COVID-19 Deaths by Reported Date of Death (n=565)





### Patients Tested Positive for COVID-19 in Kentucky

**Unduplicated Patients**

- 0
- 1 - 10
- 11 - 50
- 51 - 4,000

**Kentucky Count: 15,624 Cases**

County information missing: 2 cases

Date of Report: June 30, 2020 (5:00 PM EST)  
Data Source: Kentucky Department for Public Health (KDHP)



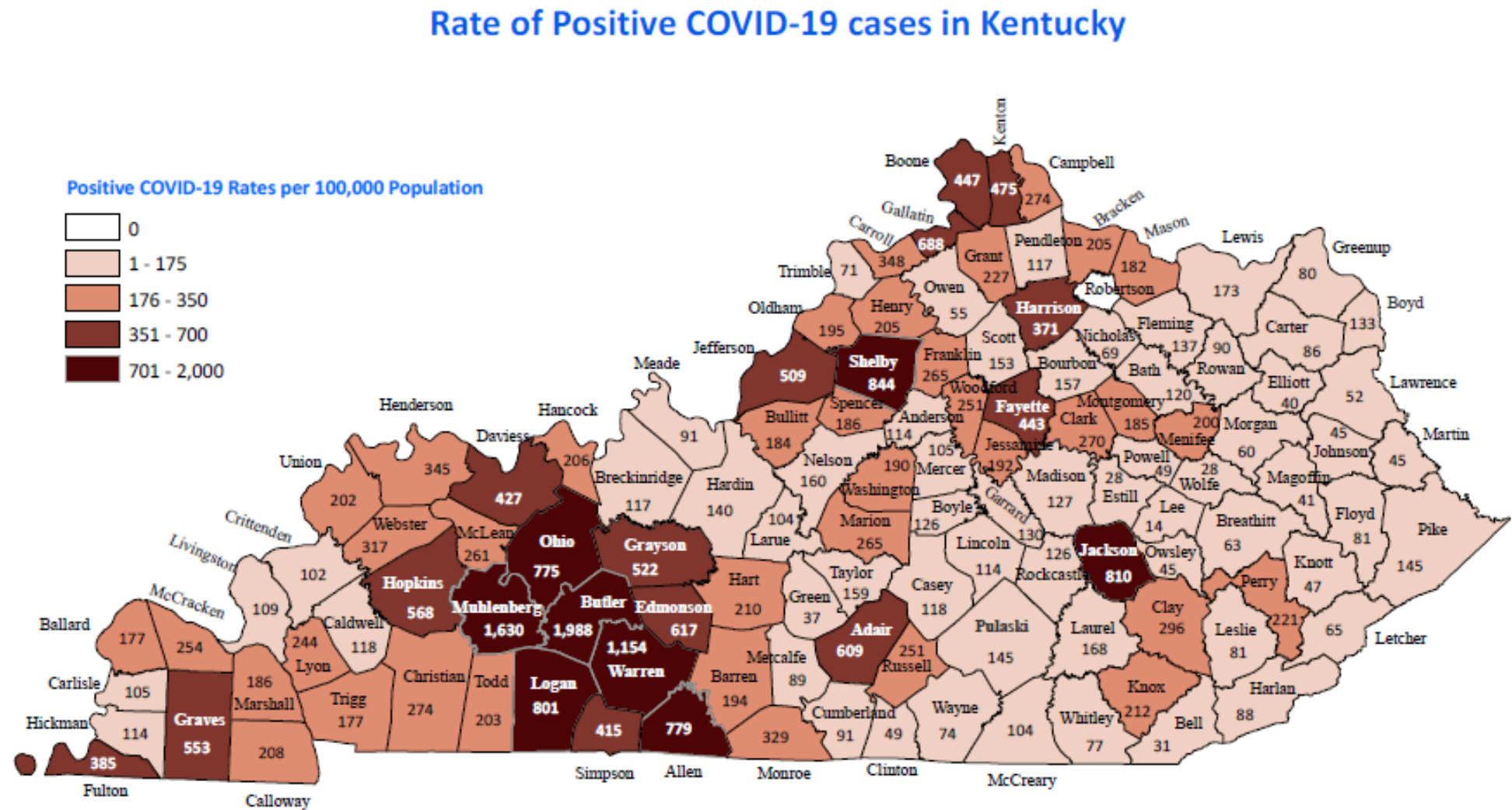
County information missing: 2 cases

Date of Report: June 30, 2020 (5:00 PM EST)

Data Source: Kentucky Department for Public Health (KDPH)

*Includes confirmed and probable cases*

## Map of COVID-19 Case Rates by Kentucky County, 5:00 pm June 30, 2020



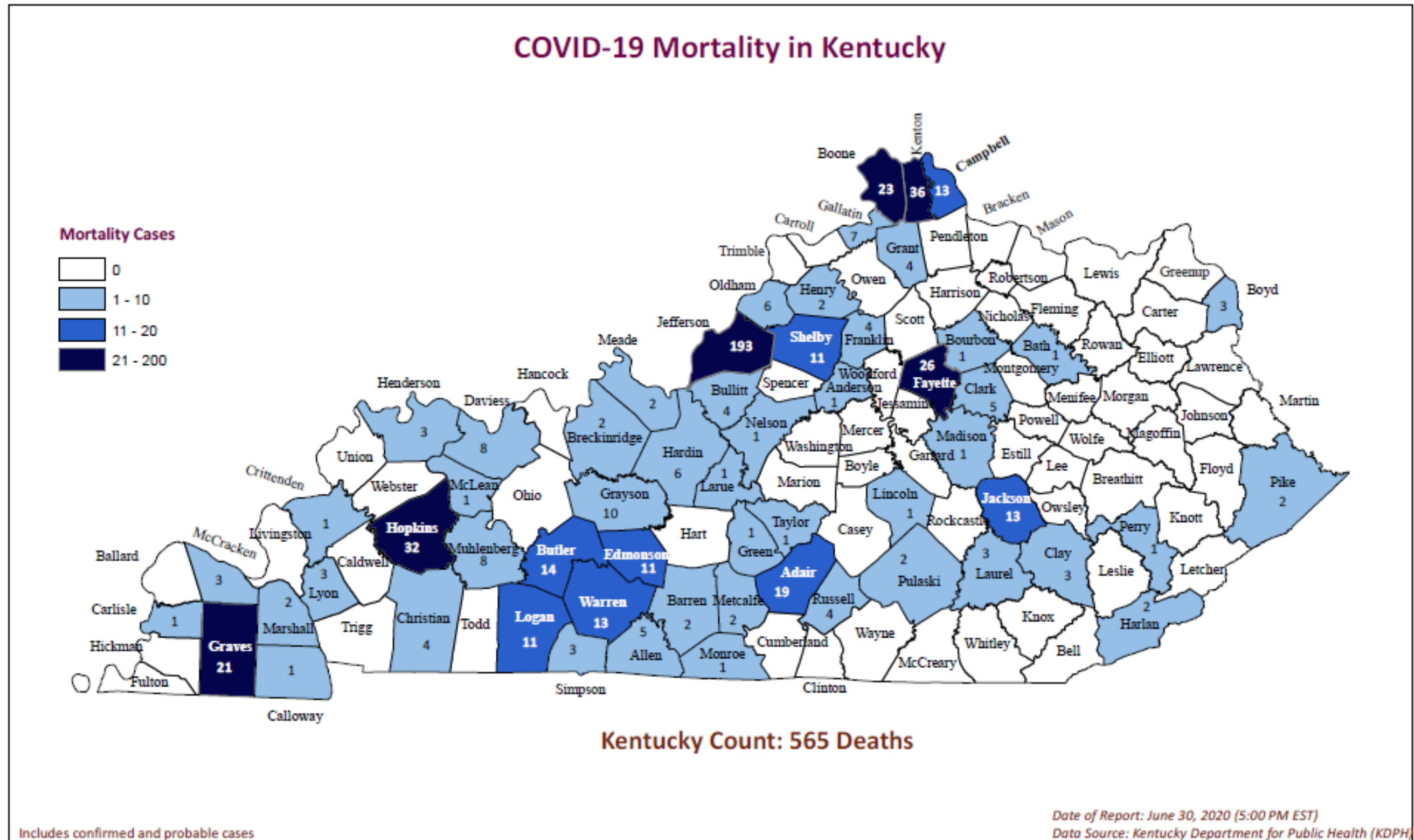
**Kentucky Rate: 350 cases per 100,000 population**

Population Census: July 1, 2019  
Rates are not age and sex adjusted

Total number of cases included in the analysis: 15,620 cases  
County information missing: 2 cases (not included in the analysis)

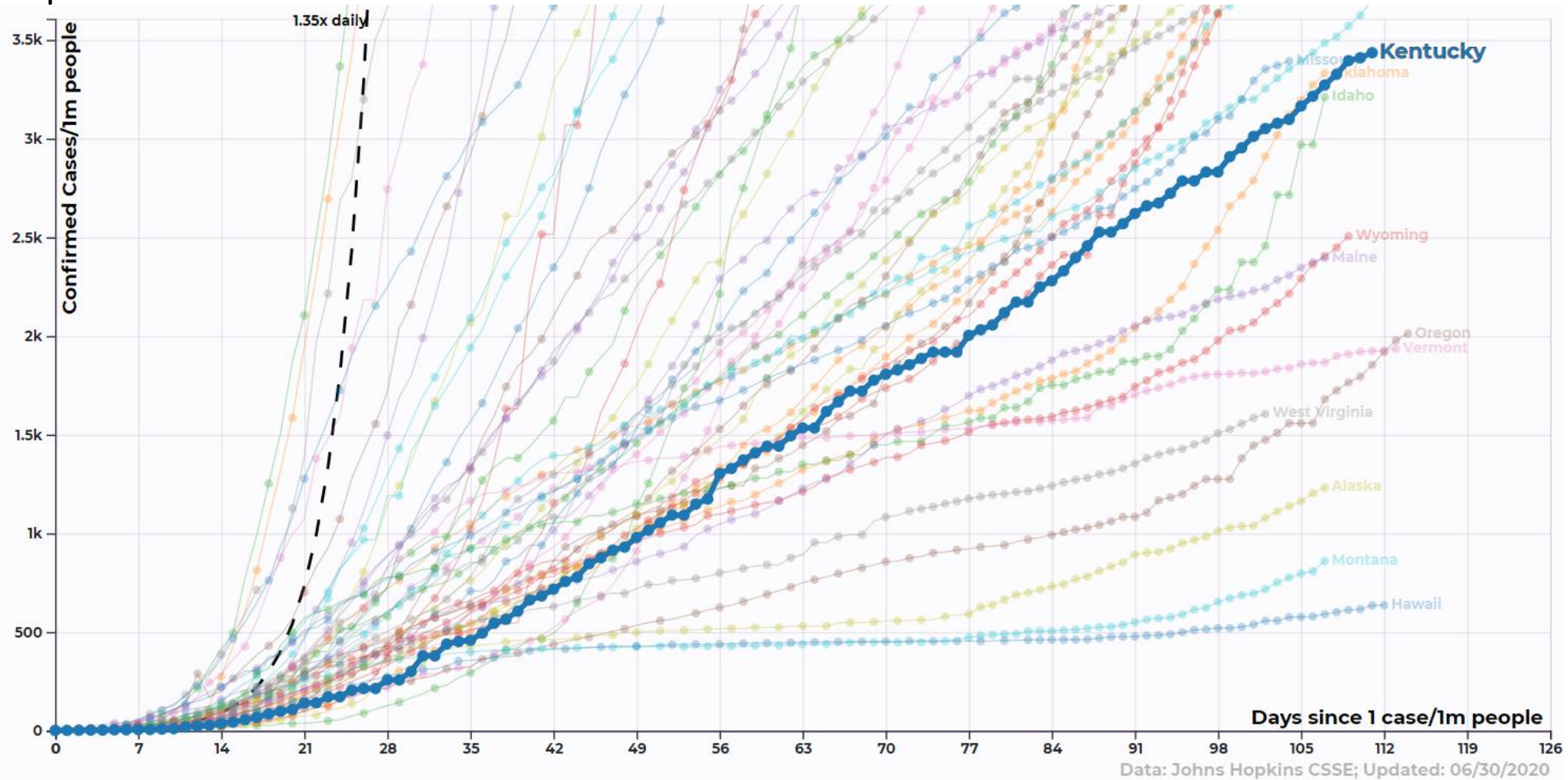
Date of Report: June 30, 2020 (5:00 PM EST)  
Data Source: Kentucky Department for Public Health (KDHP)

# Map of Counties with Deaths associated with COVID-19 in Kentucky, 5:00 pm June 30, 2020





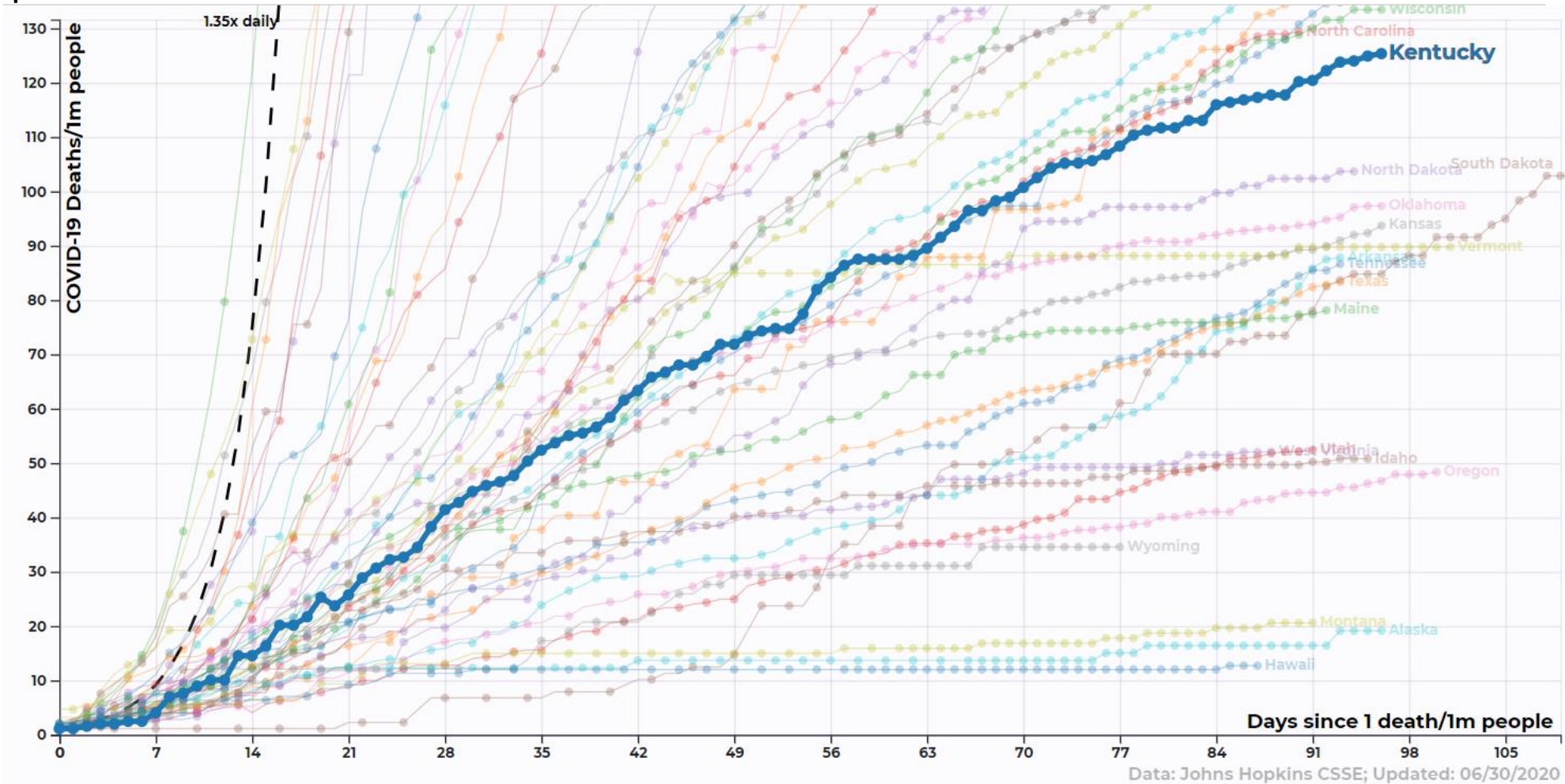
# COVID-19 Confirmed Cases by US States/Territories, normalized by population on a Linear scale



**Interpretation:** This graph shows the rate of cases per 1,000,000 population for all states normalized by population (makes states more comparable based on population distribution). Kentucky is highlighted, showing a climbing but lower rate of cases over time compared to most states.

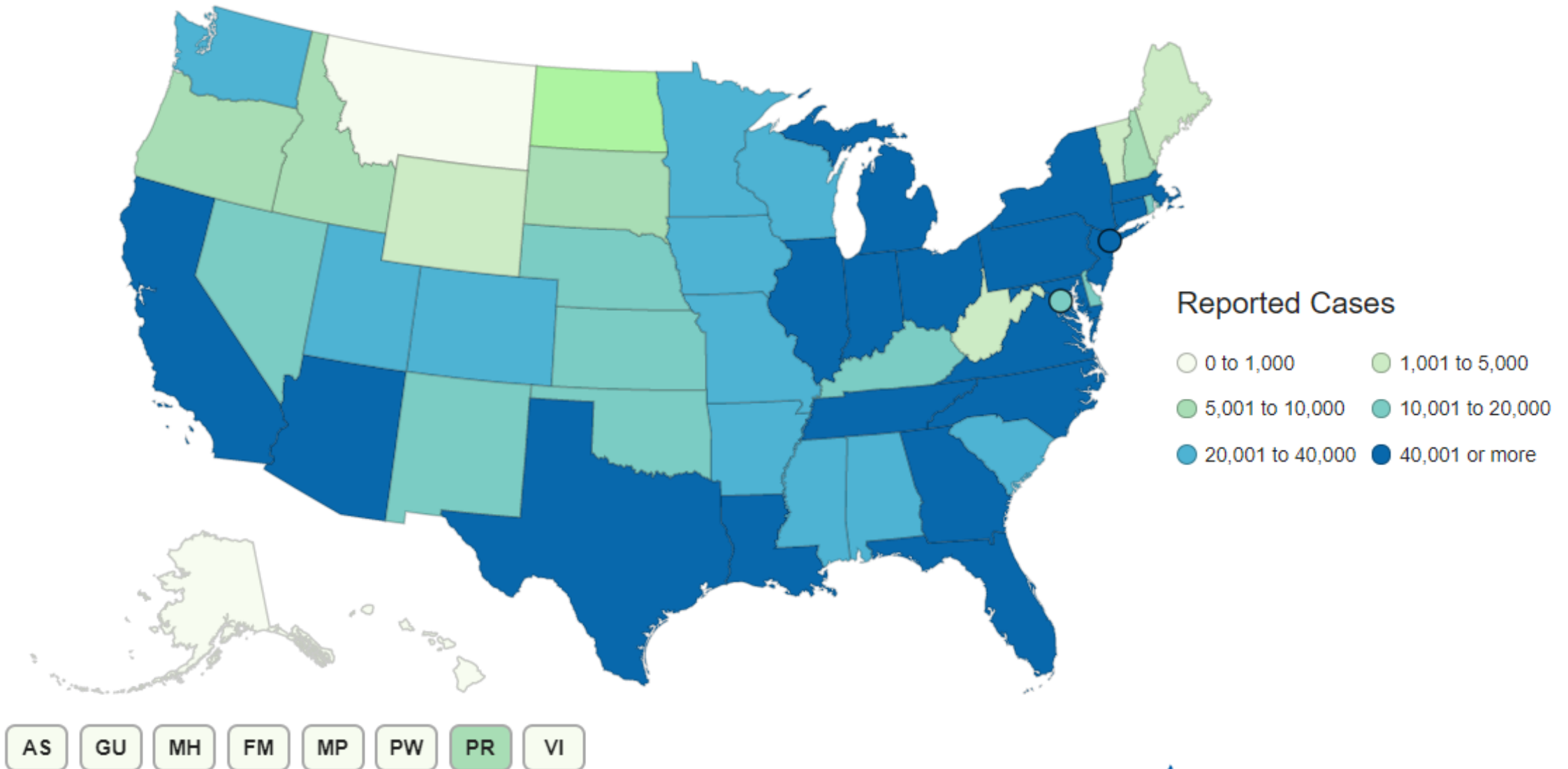
<http://91-divoc.com/pages/covid-visualization/>

# COVID-19 Mortality Rate by US States/Territories, normalized by population on a Linear scale



**Interpretation:** This figure compares the rate of deaths per 1 million people by state, normalized by population since the date of the first death in each state. Kentucky is highlighted showing that as the outbreak continues Kentucky's mortality rate, which was earlier in the middle of the states, has remained steady while many other states have fared worse over time. This, despite Kentucky's poor health status compared to other states.

# Number of COVID-19 Cases in the U.S., by State or Territory, June 30, 2020





# Number of New COVID-19 Cases in the U.S., by Date Reported

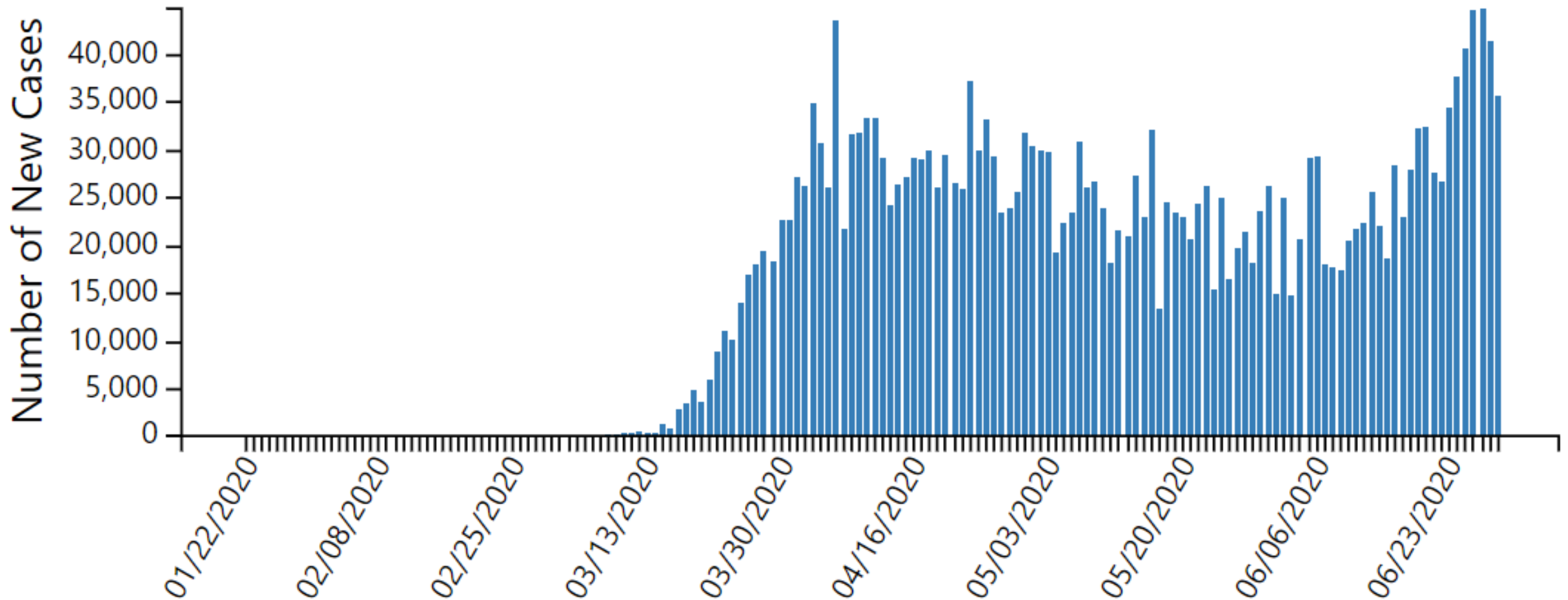
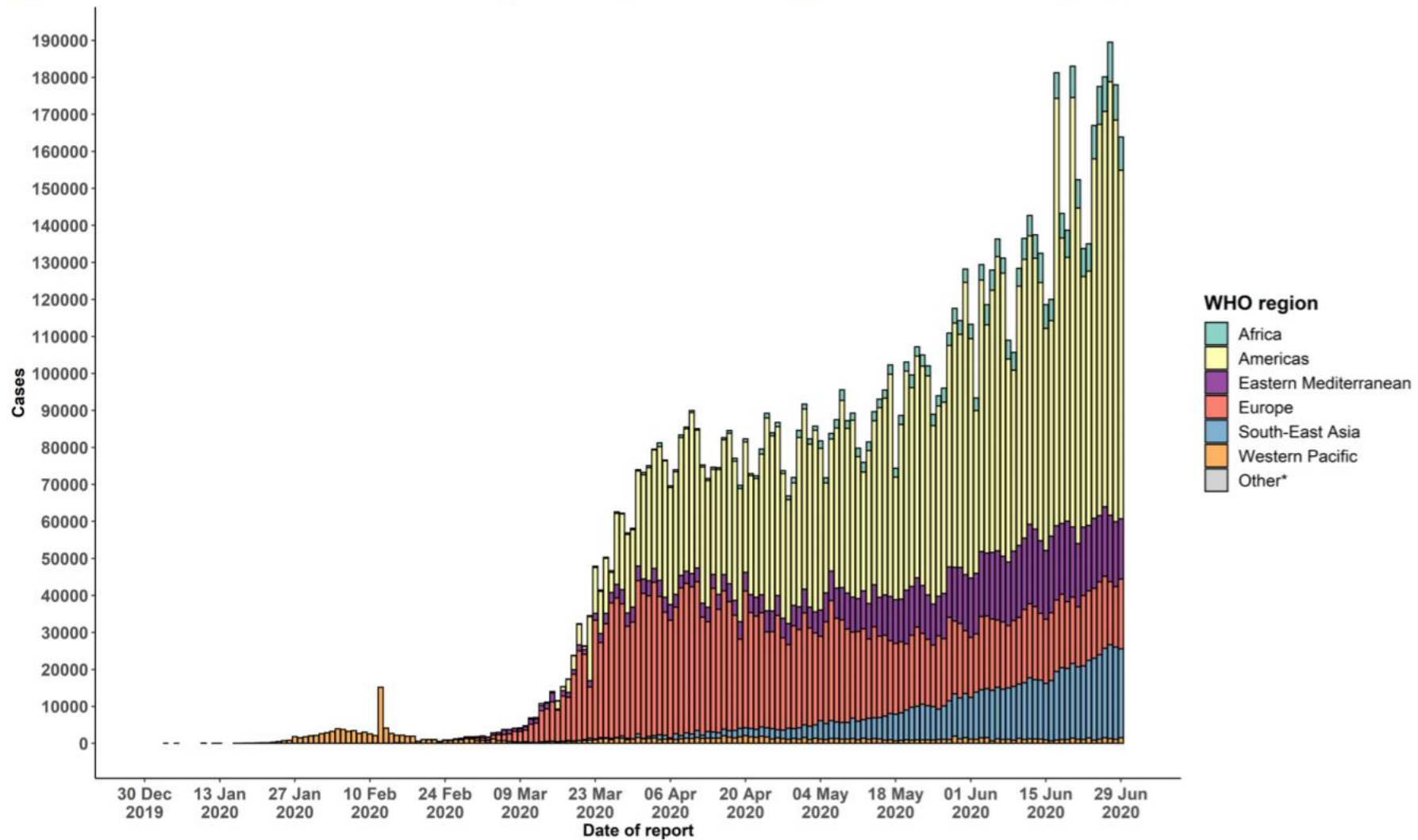


Figure 2. Number of confirmed COVID-19 cases, by date of report and WHO region, 30 December through 30 June\*\*

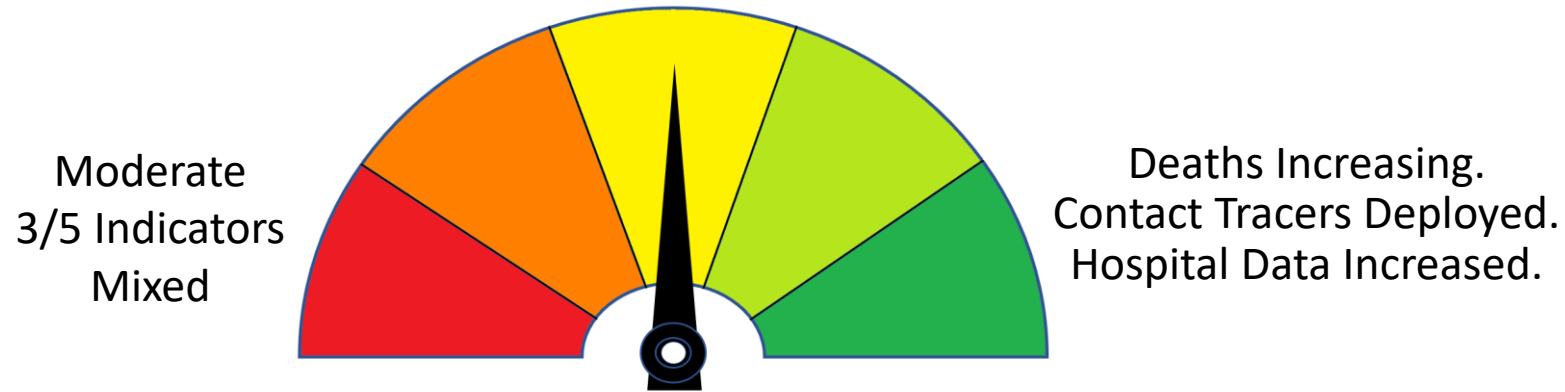


**Interpretation:** The earliest part of the curve represents cases in Wuhan and then Hubei Province in China. In early March, spread in Europe accelerates, followed by the Americas. Taken as a geographic area, Europe has experienced the second highest spread, with **2,692,086** cases (**18,847 new**) reported as of today (mortality rate: **7.3%**). The Americas now have the highest number of cases at **5,136,705** (**94,219 new**) (mortality rate: **4.8%**).

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/>



# Key Indicator Monitoring – June 30



**Hospital data** - The 7-day slope for COVID-19 all-hospital data is trending positive today, as are the 7 day slopes for CLI & COVID-19 ED data, and CLI & COVID-19 IP data. CLI and ILI all-hospital data slopes have remained negative.



**Cases** - Case incidence continues increasing and is considered to be moderately high at 33.75 per 100,000 (burden) over the previous one week. The overall trend for cases increased based on the seven-day rolling average of new cases.



**Deaths** - Deaths decreased and moved back to the low category, with the incidence of deaths at .63 deaths per 100,000 population over the previous one week. The overall trend in deaths remains increasing.



**Public health capacity** - Contact tracing teams are deployed in all 16 regions. There are currently 645 total contact tracing team members (including managers, tracers, coordinators, and investigators at the state, regional, and local levels) with plans to hire 12 more team members.



**Healthcare capacity** - Currently, hospitals are operating under capacity throughout the state with 73.11% of ICU beds in use and 27.10% of ventilators in use at the time of this report. PPE capacity is adequate to meet current needs and a case surge. ICU occupancy and ventilator usage increased today.