

# Greater Cincinnati COVID-19 Situational Awareness\*

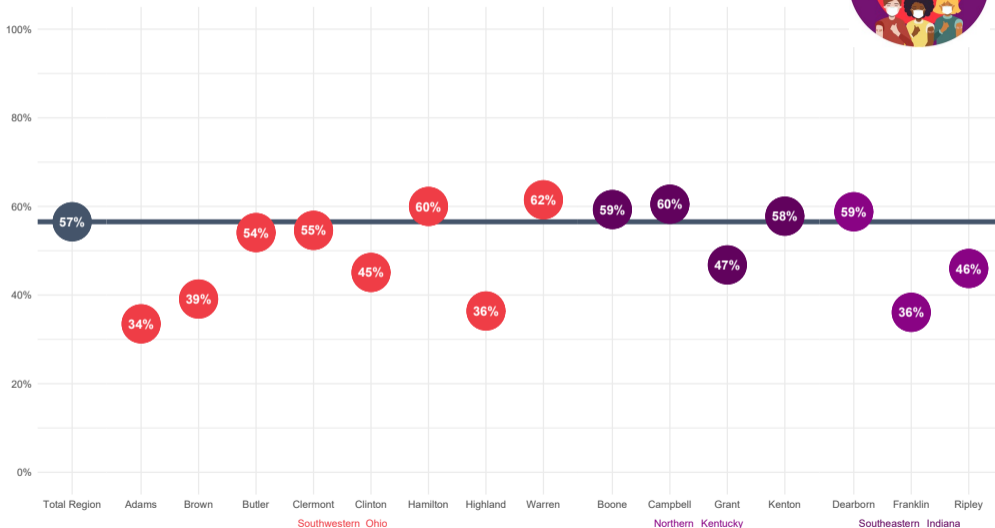
January 10, 2022

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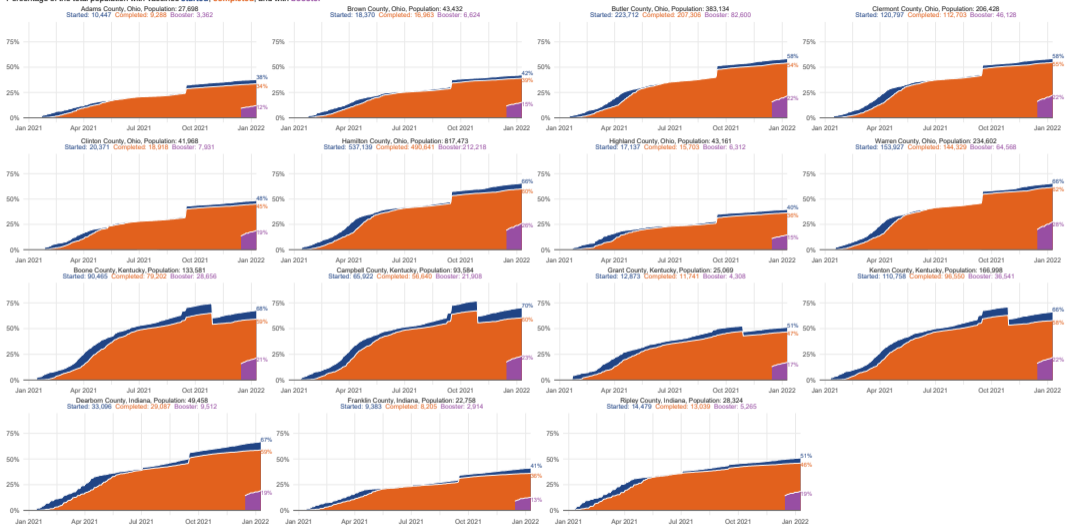
## How are we doing getting people vaccinated against COVID-19?

Percentage of the total population that have completed a vaccine series



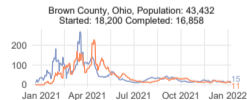
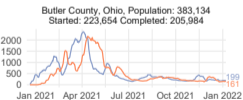
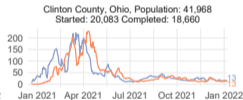
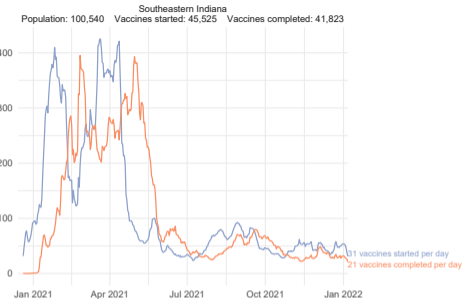
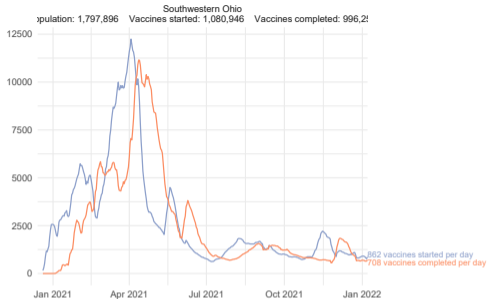
## What is the COVID-19 vaccination rate in the entire population (all ages) over time?

Percentage of the total population with vaccines **started**, **completed**, and with **booster**



Source: CDC County data. <https://covid.cdc.gov/covid-data-tracker/#county-view>. Data as of January 09, 2022. On October 28th duplicate vaccinations were removed from the Kentucky data by the CDC causing a decrease in the rate. Large one day increases are likely due to updates and corrections to the data and not to an increase in vaccines given on that day.

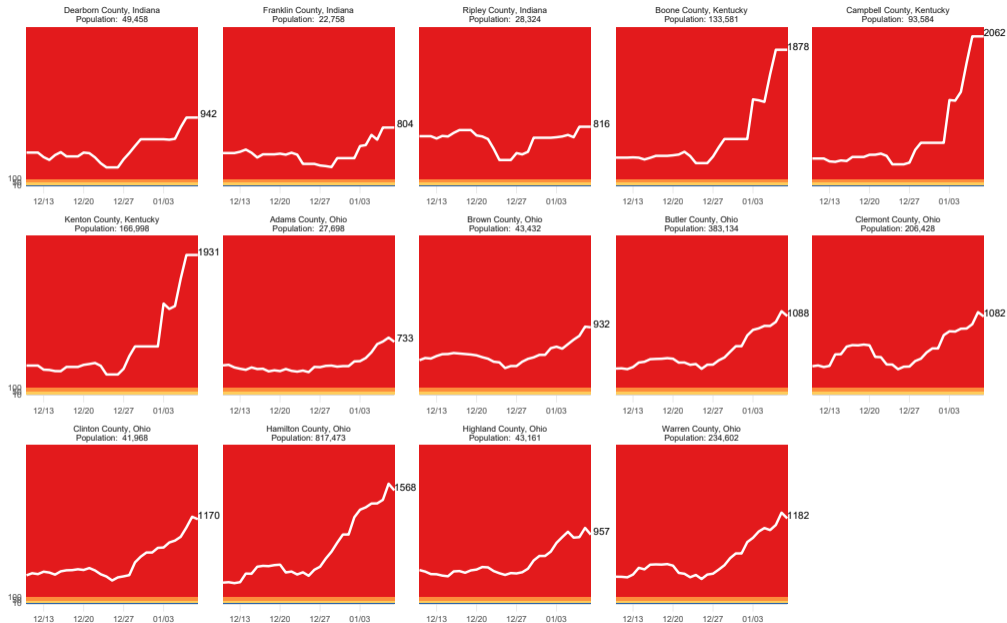
# Seven day moving average, number of vaccines **started** and **completed** in Southwestern Ohio and Southeastern Indiana



Source: ODH. [https://coronavirus.ohio.gov/static/dashboards/vaccine\\_data.csv](https://coronavirus.ohio.gov/static/dashboards/vaccine_data.csv) on January 10th, 2022

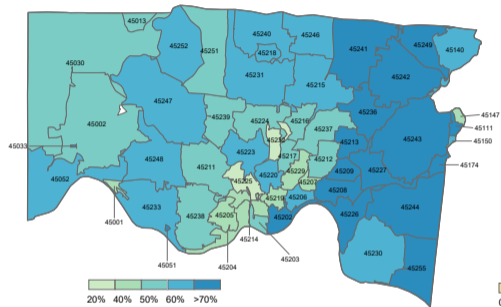
ISDH. <https://hub.mph.in.gov/dataset/c484a6a3-2f32-4af9-8e02-c98801c3454f/resource/a4d23ae8-34c2-4951-85e0-3ea9345ee6ea/download/county-vaccinations-by-date.csv> on January 10th, 2022

# Seven day sum of new Covid cases per 100,000 people in each county with CDC levels

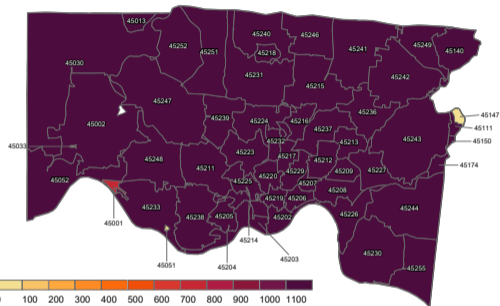


Levels are those found in CDC's Operational Strategy for K-12 Schools through Phased Mitigation, <https://www.cdc.gov/coronavirus/2019-ncov/downloads/community/schools-childcare/K-12-Operational-Strategy-02142021.pdf>  
 Data from The New York Times, based on reports from state and local health agencies. <https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html> Pulled: 2022-01-10

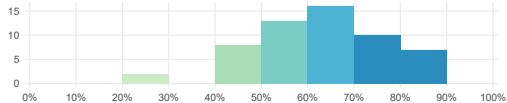
Percentage vaccinated by ZIP code



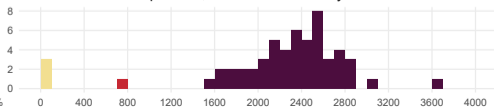
COVID-19 cases per 100,000 population in last 14 days



Distribution of percentage vaccinated in ZIP codes



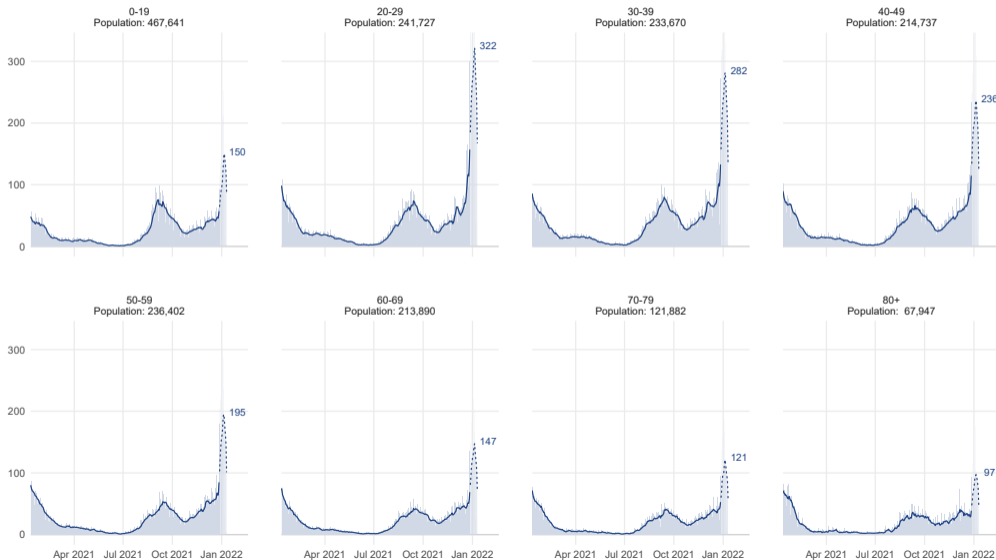
Distribution of cases per 100,000 over last 14 days



# Seven day moving average of new Covid-19 cases by onset date per 100,000 by age group in Region 6

Label indicates highest seven day moving average in the last two weeks, preliminary data should be considered a floor for the eventual case count

More than two weeks out Preliminary counts

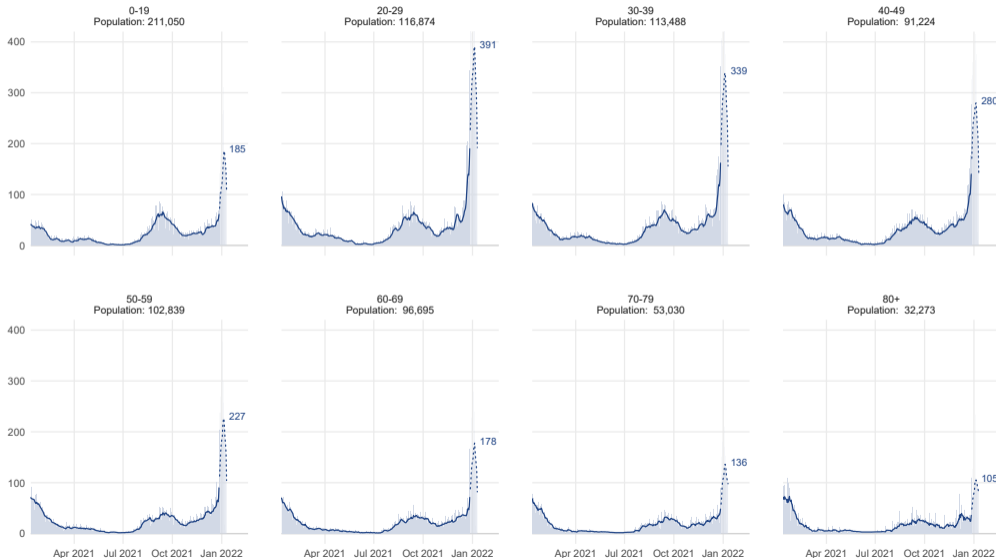


Source: ODH COVID-19 Dashboard on 01/10/2022. Population estimates from US Census Population Estimates Program, Vintage 2019

# Seven day moving average of new Covid-19 cases by onset date per 100,000 by age group in Hamilton County

Label indicates highest seven day moving average in the last two weeks, preliminary data should be considered a floor for the eventual case count

More than two weeks out Preliminary counts

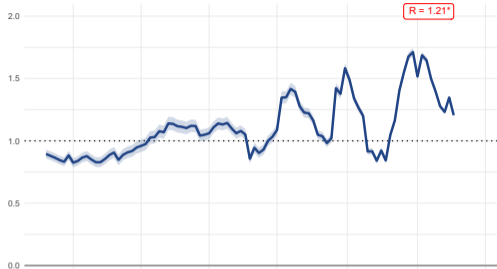


Source: ODH COVID-19 Dashboard on 01/10/2022. Population estimates from US Census Population Estimates Program, Vintage 2019



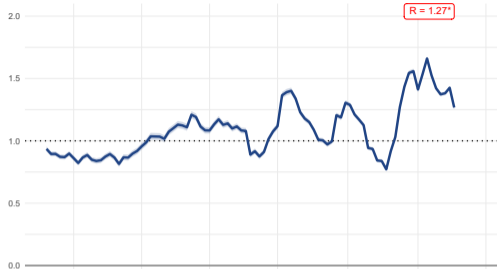
### Hamilton County, Ohio

Estimated R



### Fourteen County Region

Estimated R



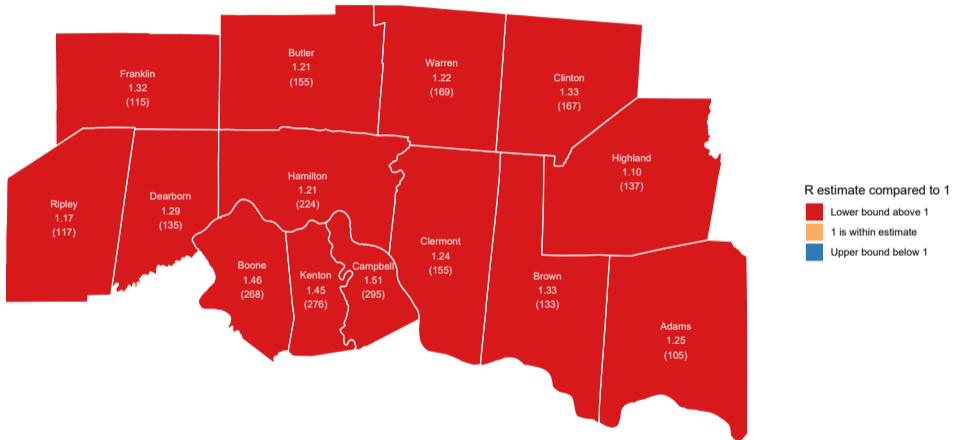
Incidence per 100,000 population and 7-day moving average



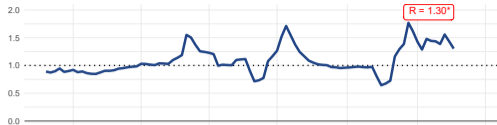
Incidence per 100,000 population and 7-day moving average



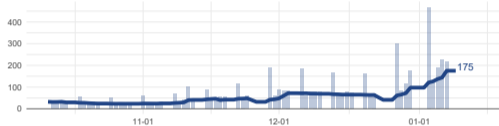
Map of R estimates for 14 county area with average daily number of cases per 100,000 population in the last week  
Estimated R value is based on the rate of change in incidence cases and should be considered along with the count



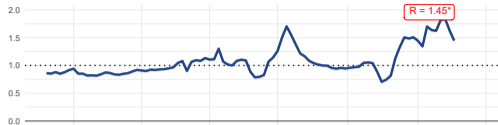
### Indiana Estimated R



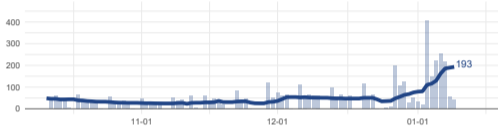
### Incidence per 100,000 population and 7-day moving average



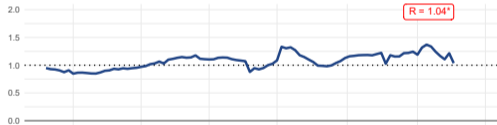
### Kentucky Estimated R



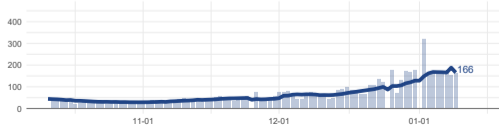
### Incidence per 100,000 population and 7-day moving average



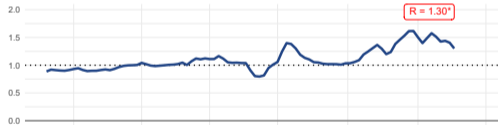
### Ohio Estimated R



### Incidence per 100,000 population and 7-day moving average



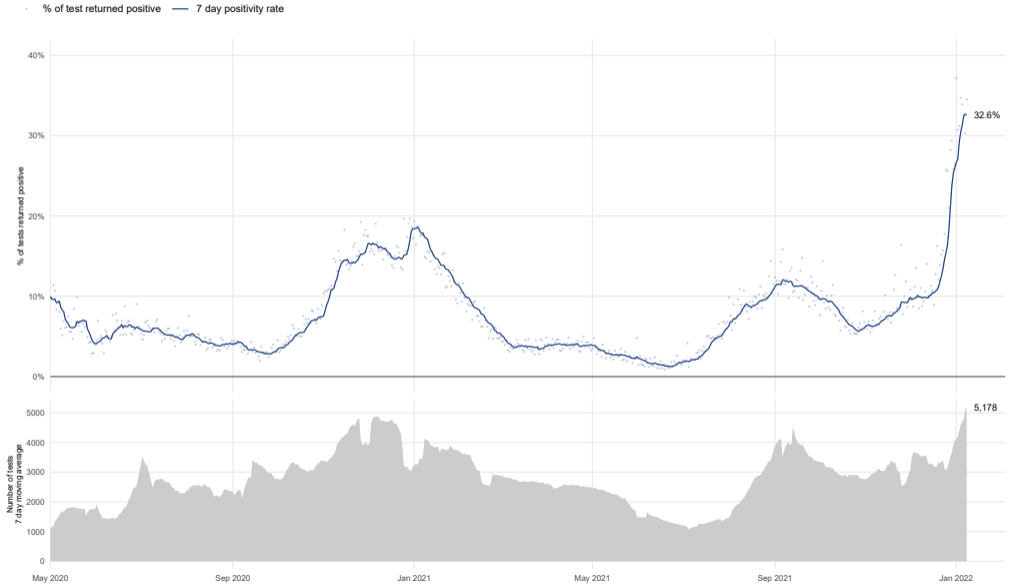
### United States Estimated R



### Incidence per 100,000 population and 7-day moving average

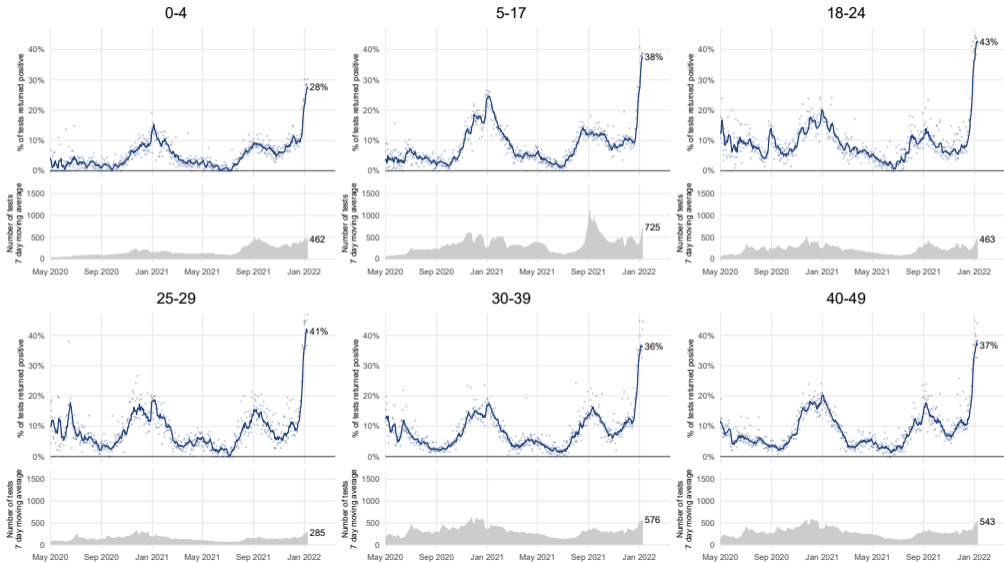


# Percentage of test results returned positive in 14 county region



# Percentage of test results returned positive by age of patient for 14 county area

• % of test returned positive — 7 day positivity rate

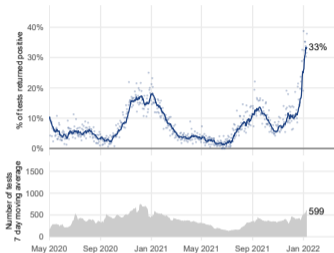


Source: The Health Collaborative data as of 01/10/2022. Most recent 3 days highly subject to change.

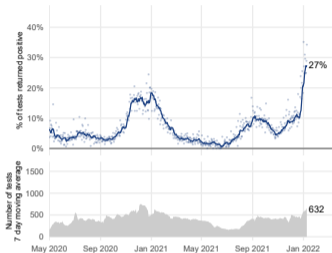
# Percentage of test results returned positive by age of patient for 14 county area

• % of test returned positive — 7 day positivity rate

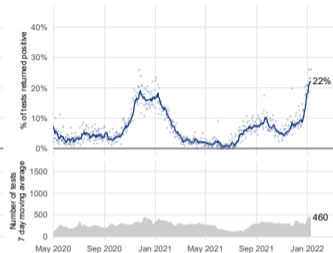
### 50-59



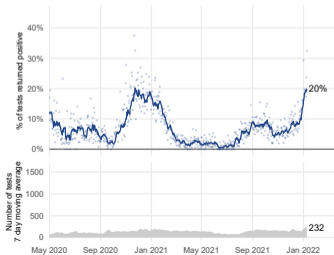
### 60-69



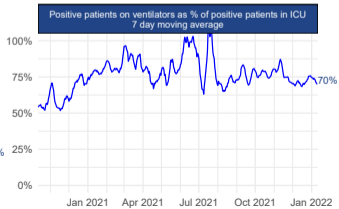
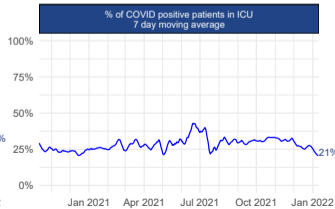
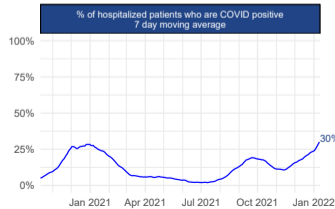
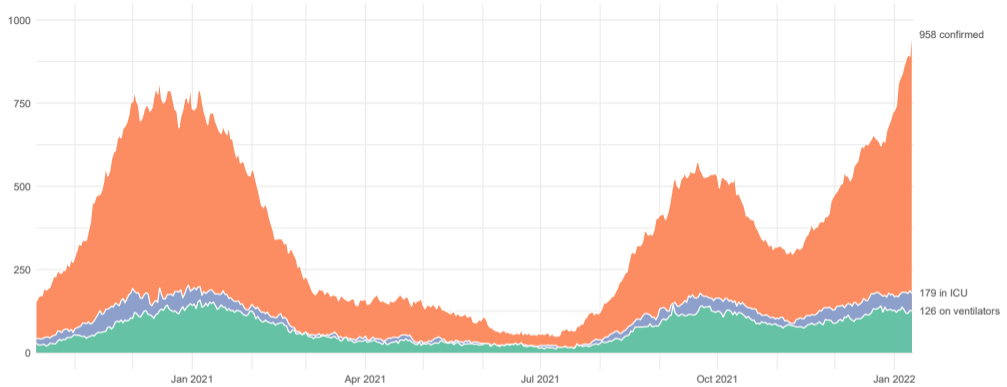
### 70-79



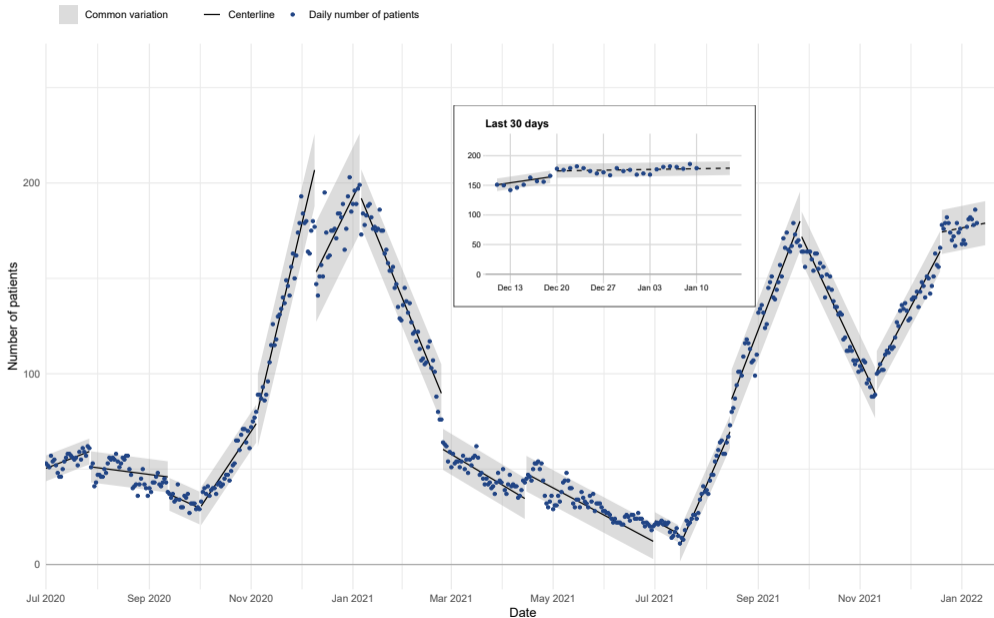
### 80-89



# Number of COVID positive patients in Region 6 hospitals



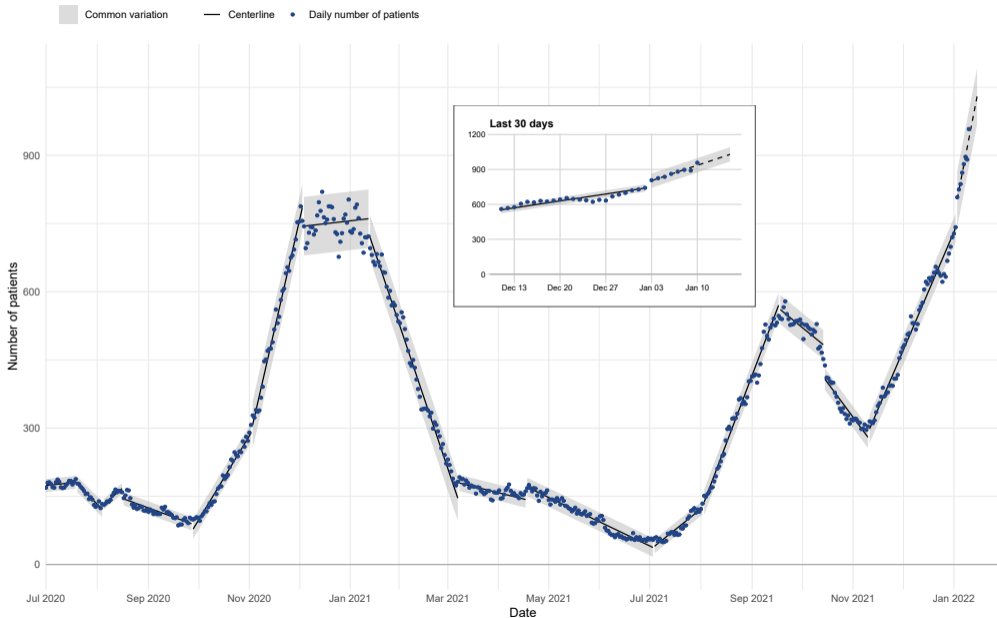
# Number of positive COVID-19 patients in Region 6 ICUs



Dashed line indicates a temporary centerline that will change over time. Source: Ohio Hospital Association Hospital Resource Tracker on January 10th



# Number of positive COVID-19 patients in Region 6 hospitals

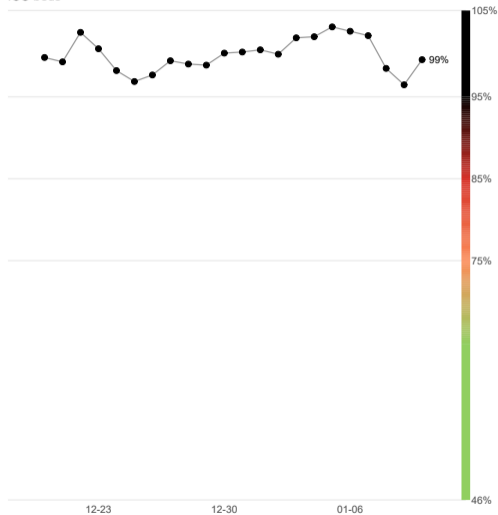


Dashed line indicates a temporary centerline that will change over time. Source: Ohio Hospital Association Hospital Resource Tracker on January 10th

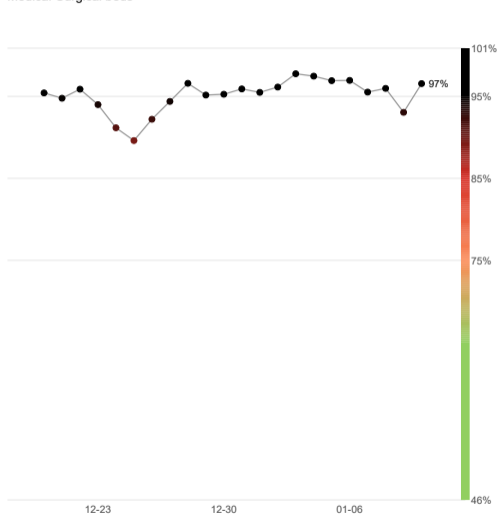
# Percentage of adult beds occupied in the Greater Cincinnati Area

Upper limit reflects currently staffable beds in the area including those beyond the region's normal capacity

### ICU beds



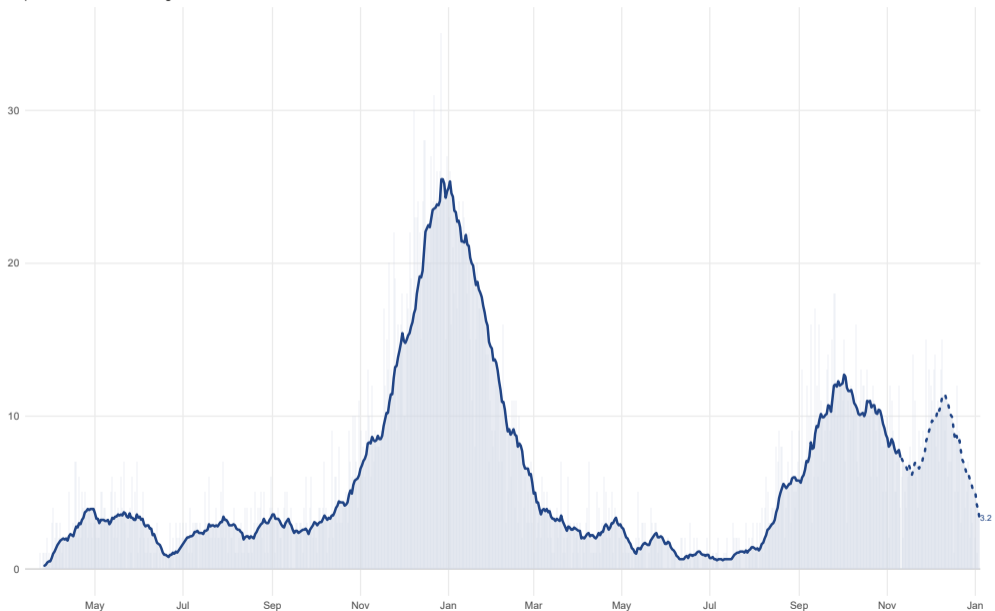
### Medical-Surgical beds



- Usual operations and staffing
- Mild to moderate staffing strain; staff managing higher than usual patient volumes
- Moderate to extreme staffing strain; staff pulled from other areas to manage care outside usual scope
- Critical operations, "all hands on deck", greatest good provided to the greatest number of patients

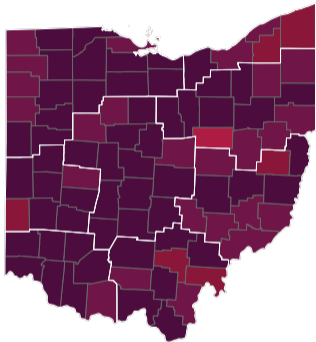
## Seven day moving average of COVID-19 deaths in Southwestern Ohio

Reports of deaths tend to lag 1-2 months

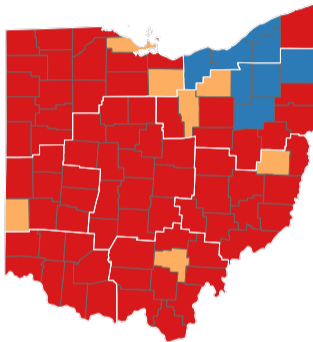


Source: ODH, Verified deaths by county of residence, [https://coronavirus.ohio.gov/static/dashboards/COVIDDeathData\\_CountyOfResidence.csv](https://coronavirus.ohio.gov/static/dashboards/COVIDDeathData_CountyOfResidence.csv), pulled on: 2022-01-10

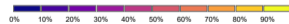
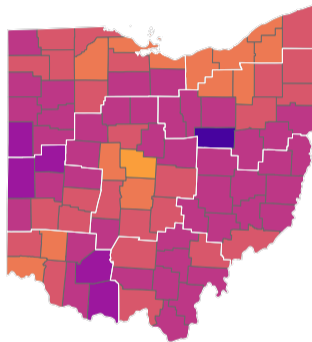
Daily 7 day running sum of cases per 100,000 population  
Cases by onset date from Ohio Department of Health



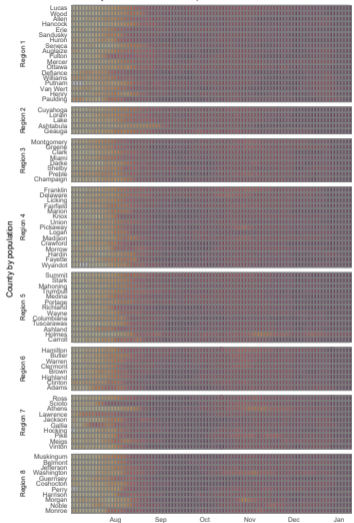
R effective in Ohio relative to 1 by county  
New cases reported daily by New York Times



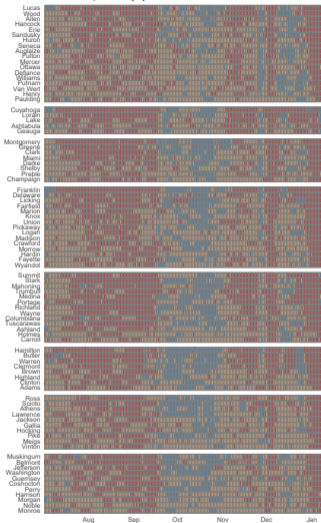
% of population with vaccination started  
Ohio Department of Health



Daily 7 day running sum of cases per 100,000 population  
Cases by onset date from Ohio Department of Health



R effective in Ohio relative to 1 by county  
New cases reported daily by New York Times



% of population with vaccination started  
Ohio Department of Health

