The Health Collaborative Situational Dashboard[*]
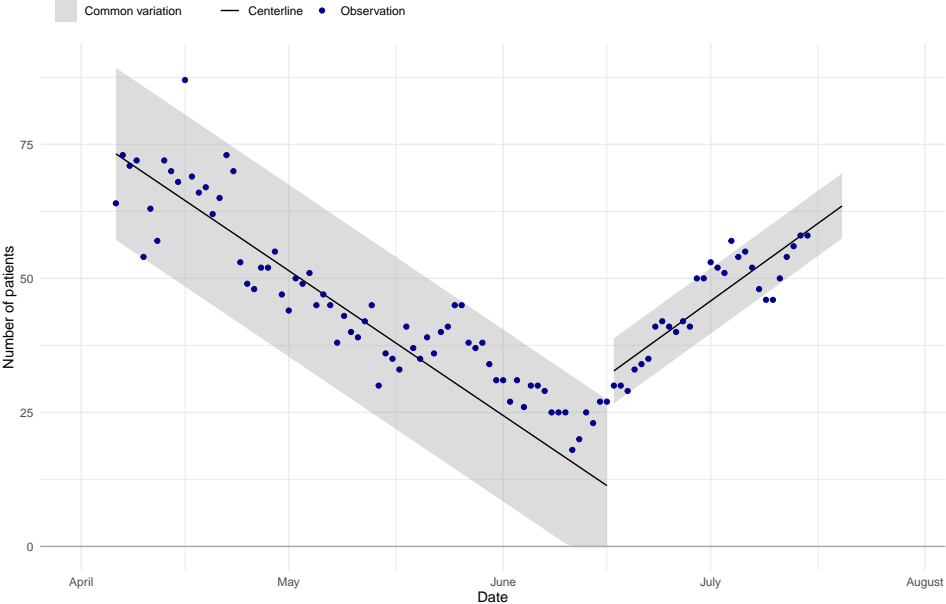
July 15, 2020

Hospital demand

Forecast demand

Mobility

Hospital demand

Number of positive Covid-19 patients in Region 6 ICUs, I-Chart

Common variation   — Centerline   • Observation

Source: OHA Hospital Resource Tracker on July 15th

Number of positive Covid−19 patients in Region 6 hospitals, I−Chart

Common variation — Centerline • Daily number of patients

Number of patients

200

150

100

50

0

April　　　　May　　　　June　　　　July　　　　August

Date

Percentage of beds in use in Southwestern Ohio hospitals

Adult medical–surgical beds
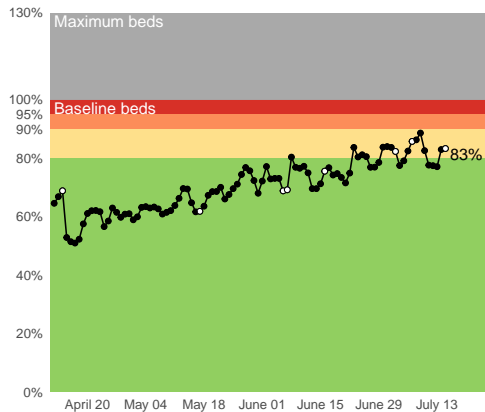
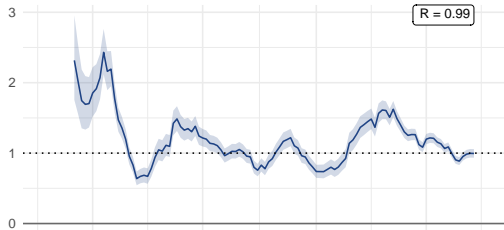

Adult critical care beds
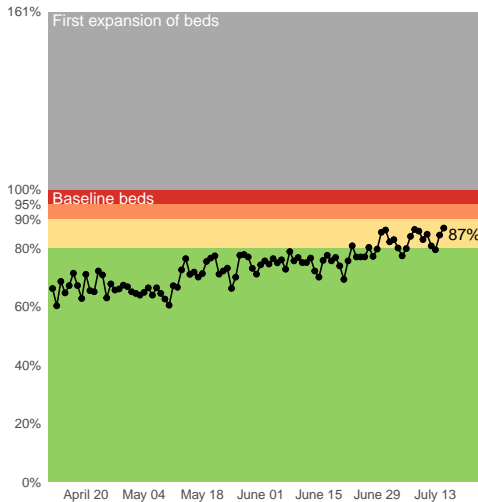
Source: SurgeNet data for Region 6 hospitals at 18:07 on July 15, 2020. Open circle indicates data for less than 90% of beds in SurgeNet.

Forecast demand

Hamilton County, Ohio

Estimated R

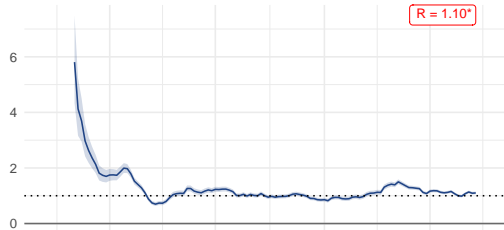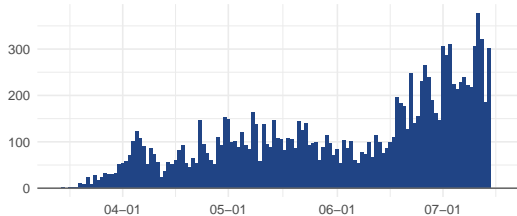R = 0.99
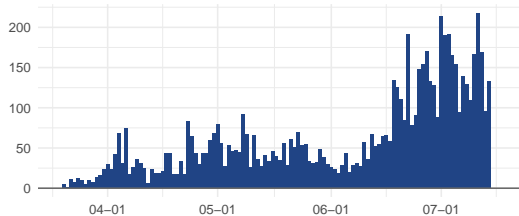
Daily incidence

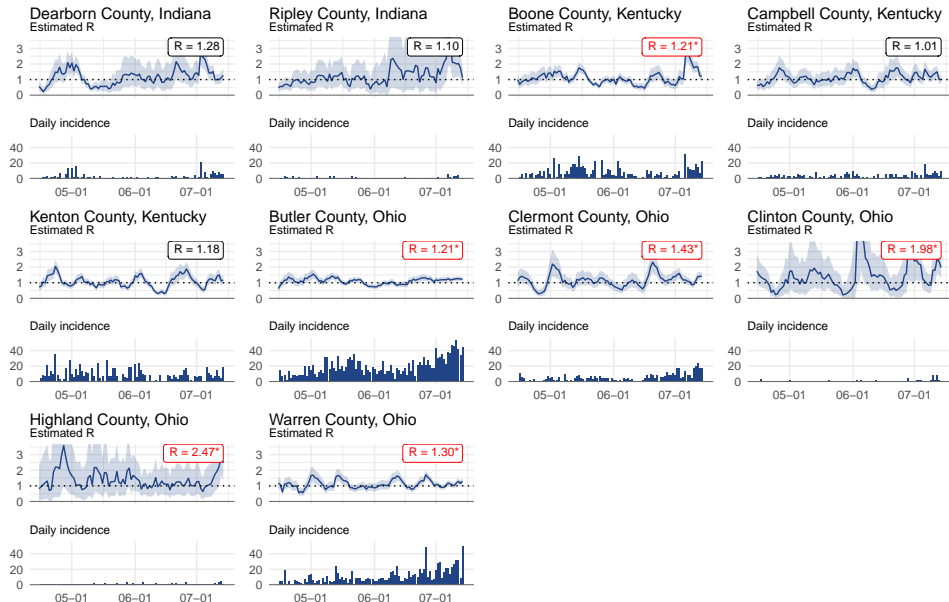## 14 county area

Estimated R

R = 1.10*

Daily incidence

Mean serial interval (SI): 4.7 and standard deviation of SI: 2.9
Data from The New York Times, based on reports from state and local health agencies. Pulled on: 2020–07–15. https://www.nytimes.com/interactive/2020/us/coronavirus–us–cases.html

Counties where the current R estimate is greater than 1

Dearborn County, Indiana
Estimated R — R = 1.28
Daily incidence

Ripley County, Indiana
Estimated R — R = 1.10
Daily incidence

Boone County, Kentucky
Estimated R — R = 1.21*
Daily incidence

Campbell County, Kentucky
Estimated R — R = 1.01
Daily incidence

Kenton County, Kentucky
Estimated R — R = 1.18
Daily incidence

Butler County, Ohio
Estimated R — R = 1.21*
Daily incidence

Clermont County, Ohio
Estimated R — R = 1.43*
Daily incidence

Clinton County, Ohio
Estimated R — R = 1.98*
Daily incidence

Highland County, Ohio
Estimated R — R = 2.47*
Daily incidence

Warren County, Ohio
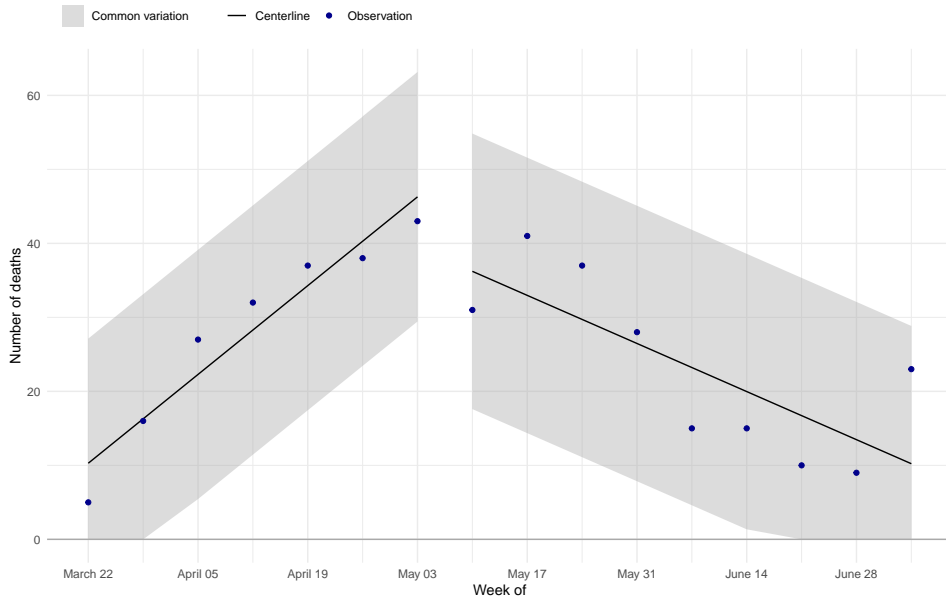Estimated R — R = 1.30*
Daily incidence

Red R value and * indicate that lower bound is greater than 1. Data from The New York Times, based on reports from state and local health agencies. Pulled on: 2020–07–15.
https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html

Map of R estimates for 14 county area with average daily number of cases per 10,000 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
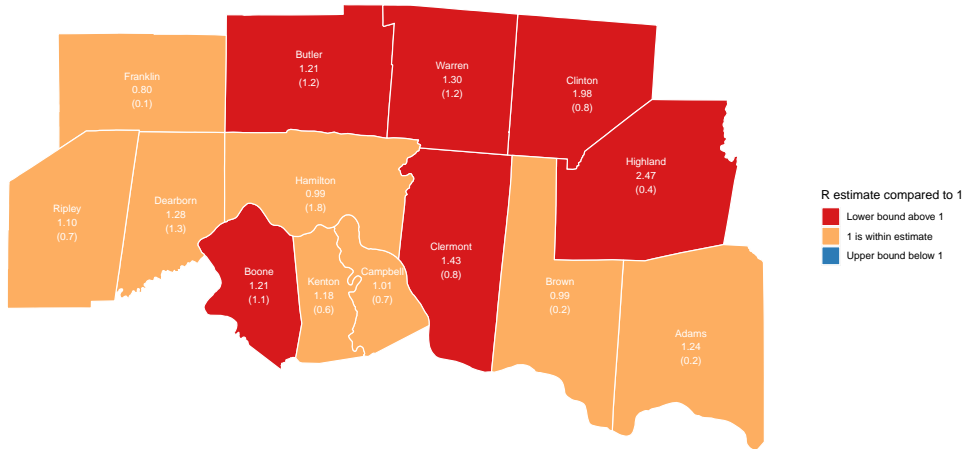
Butler
1.21
(1.2)

Warren
1.30
(1.2)

Clinton
1.98
(0.8)

Franklin
0.80
(0.1)

Highland
2.47
(0.4)

Hamilton
0.99
(1.8)

Ripley
1.10
(0.7)

Dearborn
1.26
(1.3)

Clermont
1.43
(0.8)

Boone
1.21
(1.1)

Kenton
1.18
(0.6)

Campbell
1.01
(0.7)

Brown
0.99
(0.2)

Adams
1.24
(0.2)

R estimate compared to 1

- Lower bound above 1
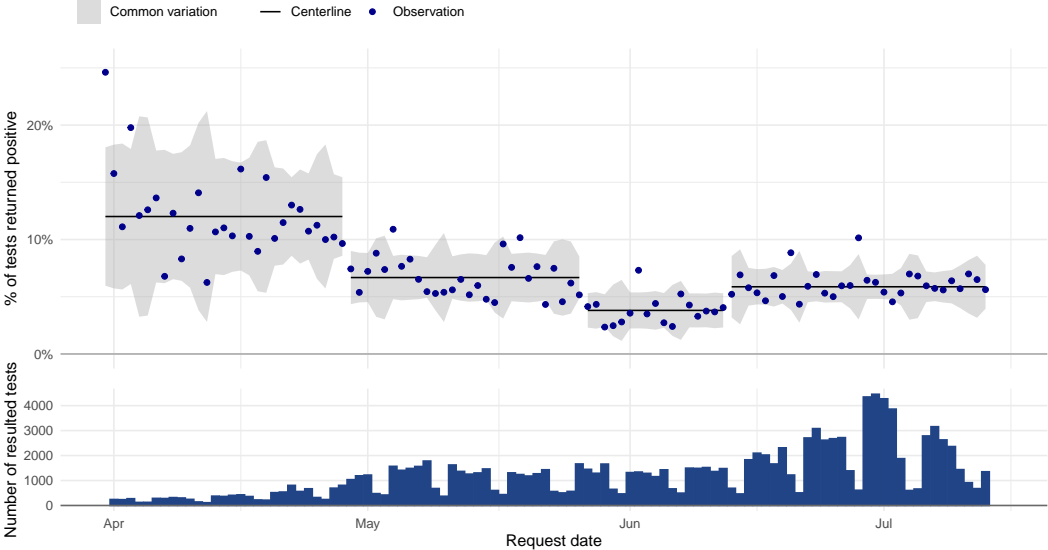- 1 is within estimate
- Upper bound below 1

Mean serial interval (SI): 4.7 and standard deviation of SI: 2.9. 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: 2020–07–15

Number of Covid–19 deaths in 14 county area

Common variation   —— Centerline   ● Observation

Number of deaths

Week of

Percentage of test results returned positive

Common variation — Centerline • Observation

% of tests returned positive

20%

10%

0%

Number of resulted tests

4000
3000
2000
1000
0

Apr   May   Jun   Jul

Request date

Open shapes indicates data within the last 7 days, likely to change.
Source: The Health Collaborative data as of 07/15/2020.

## Seven day moving average of new Covid cases per 10,000 people in each county
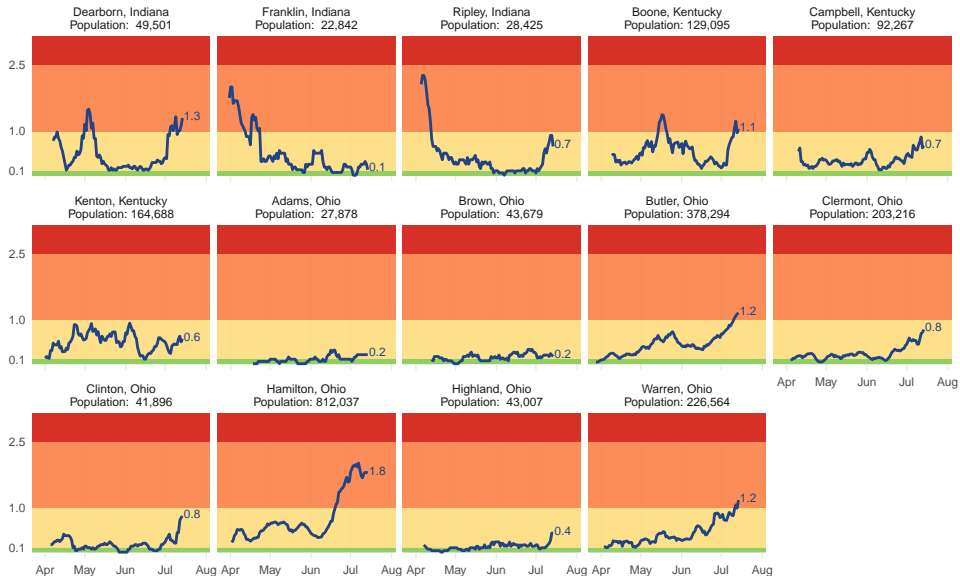
Levels are those suggested by Massachusetts Testing, Tracing, and Supported Isolation collaborative, information can be found here:
https://ethics.harvard.edu/ttsi-technical-handbook.
Data from The New York Times, based on reports from state and local health agencies.
https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html Pulled: 2020-07-15

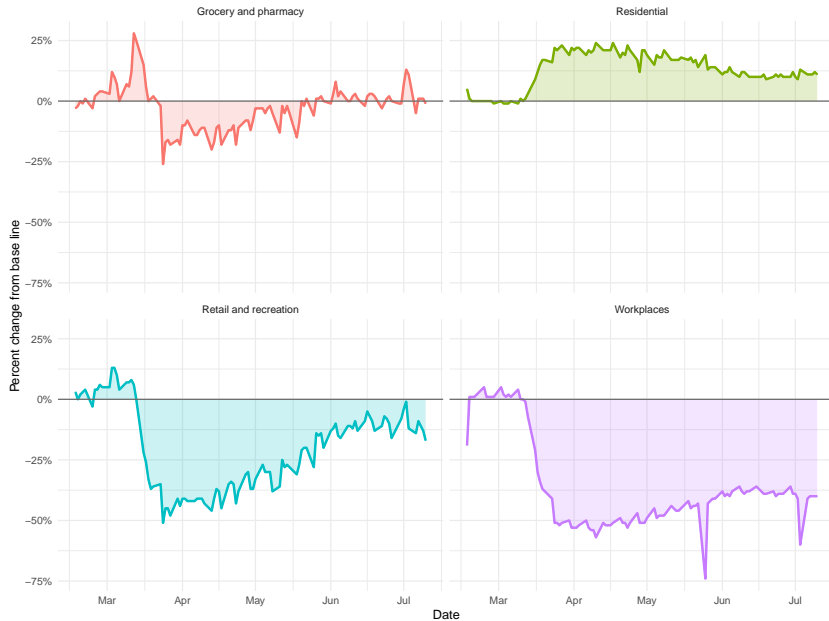Percentage of test results returned positive by age of patient

Common variation • Weekday • Weekend/Holiday
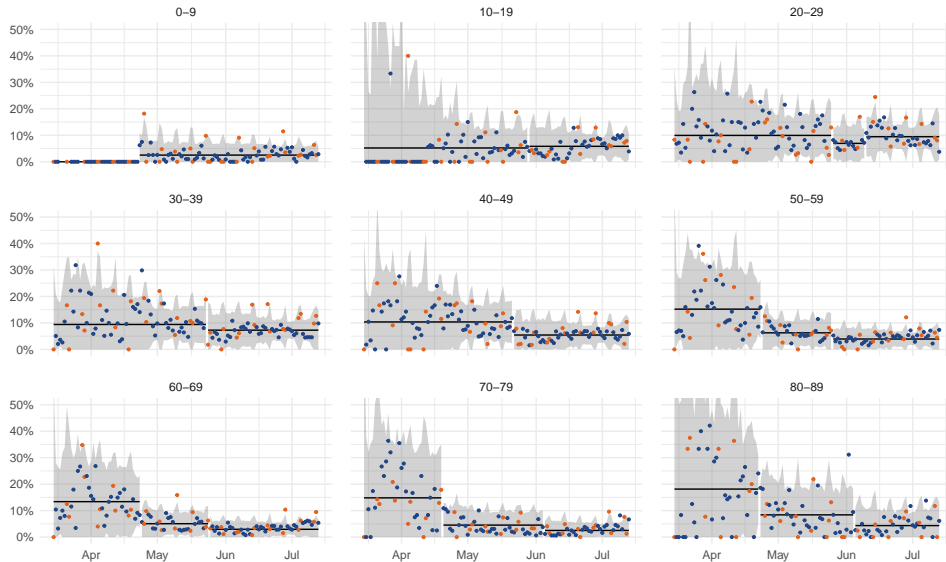
Source: The Health Collaborative data as of 07/15/2020.

Mobility

Percentage change in weekday mobility in Hamilton County

Source: Google mobility data. Most recent date: 2020-07-10 https://www.gstatic.com/covid19/mobility/Global_Mobility_Report.csv