The Health Collaborative Situational Dashboard*

October 21, 2020

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Hospital demand

Forecast demand

Mobility
Hospital demand
Number of positive COVID−19 patients in Region 6 ICUs, I−Chart

Source: OHA Hospital Resource Tracker on October 21st
Number of positive COVID–19 patients in Region 6 hospitals, I–Chart

Source: OHA Hospital Resource Tracker on October 21st
Percentage of beds in use in Southwestern Ohio hospitals

**Adult medical−surgical beds**

- Maximum beds
- Baseline beds
- 88% usage

**Adult critical care beds**

- First expansion of beds
- Baseline beds
- 88% usage

Source: SurgeNet data for Region 6 hospitals at 10:10 on October 21, 2020. Open circle indicates data for less than 90% of beds in SurgeNet.
Forecast demand
Mean serial interval (SI): 4.7 and standard deviation of SI: 2.9
Counties where the current R estimate is greater than 1

<table>
<thead>
<tr>
<th>County</th>
<th>State</th>
<th>R Estimate</th>
<th>Red R value?</th>
<th>Data Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dearborn County</td>
<td>Indiana</td>
<td>1.17</td>
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<tr>
<td>Franklin County</td>
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<td>Boone County, Kentucky</td>
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<td>Campbell County, Kentucky</td>
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<td>Kenton County, Kentucky</td>
<td>Kentucky</td>
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<td>Clinton County, Ohio</td>
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<td>Highland County, Ohio</td>
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<tr>
<td>Warren County, Ohio</td>
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<td>1.36*</td>
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<td></td>
</tr>
</tbody>
</table>

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: 2020–10–21.

Estimated R value is based on the rate of change in incidence cases and should be considered along with the count of cases per 100,000 population in the last week.

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.

Ohio
Estimated R

R = 1.19

Daily incidence and seven day moving average

Indiana
Estimated R

R = 1.07

Daily incidence and seven day moving average

Kentucky
Estimated R

R = 1.13

Daily incidence and seven day moving average

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: 2020-10-21.
Number of COVID−19 deaths in 14 county area with 7 day moving average

Data from The New York Times, based on reports from state and local health agencies.
Percentage of test results returned positive in 14 county region

- **Common variation**
- **Centerline**
- **Observation**

Percentage of test results returned positive in 14 county region.

- 2,570
- 4.8%


Open circles indicate points highly subject to change.
Seven day moving average of new Covid cases per 100,000 people in each county

Levels are those suggested by Massachusetts Testing, Tracing, and Supported Isolation collaborative, information can be found here: 

Data from The New York Times, based on reports from state and local health agencies. 
Percentage of test results returned positive by age of patient for 14 county area

Common variation % of test returned positive — Centerline

Open circles indicate points highly subject to change, last data point is October 20, 2020.
Percentage of test results returned positive by age of patient for 14 county area

- Common variation
- % of test returned positive
- Centerline

50–59
- Number of tests: 333
- 7 day moving average: 5.6%

60–69
- Number of tests: 356
- 7 day moving average: 4.8%

70–79
- Number of tests: 219
- 7 day moving average: 2.7%

80–89
- Number of tests: 104
- 7 day moving average: 2.8%

Open circles indicate points highly subject to change, last data point is October 20, 2020.

Seven day moving average of new Covid–19 positive tests per 100,000 by age group in Hamilton 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.

Source: The Health Collaborative as of 2020–10–21

Mobility
Percentage change in weekday mobility in Hamilton County

Source: Google mobility data. Most recent date: 2020-10-16  https://www.gstatic.com/covid19/mobility/Global_Mobility_Report.csv