Greater Cincinnati COVID-19 Situational Awareness*

July 29, 2022

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CDC COVID-19 Community Levels

At low community levels you should:
Stay up to date with COVID-19 vaccines
Get tested if you have symptoms

In addition, at medium community levels you should:
Talk to your healthcare provider about whether you need to wear a mask and take other precautions if you’re at high risk for severe illness

In addition, at high community levels you should:
Wear a mask indoors in public
Take additional precautions, as needed, if you’re at high risk for severe illness

Components of COVID-19 Community Levels
Counties grouped by Health Service Area (HSA)

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>LEVEL</th>
<th>CASES PER 100K POP IN COUNTY</th>
<th>ADMITS PER 100K POP IN HSA</th>
<th>% BEDS WITH COVID PATIENTS IN HSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dearborn County, IN</td>
<td>High</td>
<td>246</td>
<td>11</td>
<td>5.6</td>
</tr>
<tr>
<td>Ripley County, IN</td>
<td>High</td>
<td>282</td>
<td>11</td>
<td>5.6</td>
</tr>
<tr>
<td>Franklin County, IN</td>
<td>Medium</td>
<td>197</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Adams County, OH</td>
<td>High</td>
<td>440</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Brown County, OH</td>
<td>High</td>
<td>257</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Butler County, OH</td>
<td>High</td>
<td>226</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Clermont County, OH</td>
<td>High</td>
<td>243</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Hamilton County, OH</td>
<td>High</td>
<td>256</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Warren County, OH</td>
<td>High</td>
<td>229</td>
<td>11.1</td>
<td>5.9</td>
</tr>
<tr>
<td>Clinton County, OH</td>
<td>High</td>
<td>262</td>
<td>11.7</td>
<td>4.6</td>
</tr>
<tr>
<td>Highland County, OH</td>
<td>High</td>
<td>273</td>
<td>11.7</td>
<td>4.6</td>
</tr>
<tr>
<td>Boone County, KY</td>
<td>High</td>
<td>267</td>
<td>10.6</td>
<td>13.1</td>
</tr>
<tr>
<td>Campbell County, KY</td>
<td>Medium</td>
<td>175</td>
<td>10.6</td>
<td>13.1</td>
</tr>
<tr>
<td>Grant County, KY</td>
<td>High</td>
<td>227</td>
<td>10.6</td>
<td>13.1</td>
</tr>
<tr>
<td>Kenton County, KY</td>
<td>High</td>
<td>213</td>
<td>10.6</td>
<td>13.1</td>
</tr>
</tbody>
</table>

Source: CDC calculated COVID-19 Community Levels on July 28, 2022. Values reported by the individual states or counties may differ from those reported by the CDC. For more details on the CDC calculation see: https://www.cdc.gov/coronavirus/2019-ncov/science/community-levels.html
Number of COVID positive patients in Region 6 hospitals

<table>
<thead>
<tr>
<th>% of hospitalized patients who are COVID positive</th>
<th>% of COVID positive patients in ICU</th>
<th>Positive patients on ventilators as % of positive patients in ICU</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 day moving average</td>
<td>7 day moving average</td>
<td>7 day moving average</td>
</tr>
<tr>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>25%</td>
<td>25%</td>
<td>25%</td>
</tr>
<tr>
<td>50%</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>75%</td>
<td>75%</td>
<td>75%</td>
</tr>
<tr>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Source: Ohio Hospital Association Hospital Resource Tracker on July 29th
Trends in the number of patients positive for COVID-19 in Southwestern Ohio hospitals

Dashed line indicates a temporary centerline that will change over time. Source: Ohio Hospital Association Hospital Resource Tracker on July 29th
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

Source: Surgenet data as of July 29th, 2022 at 14:26. Includes data from all regional acute care hospitals.
Seven day sum of new Covid cases per 100,000 people in each county with CDC Level of Transmission

Colors indicate CDC Level of Transmission: Low (0-9.99); Moderate (10.00-49.99); Substantial (50.00-99.99); and High (greater than or equal to 100.00). The Community Level indicator from the CDC uses the cutoff of 200 cases per 100k population over 7 days to divide counties into levels. The source for these calculations is from the CDC. For more details on the CDC calculation see: https://www.cdc.gov/coronavirus/2019-ncov/cases-in-your-community/community-level-indicator.html.

Source: CDC. COVID-19 Community Levels were calculated on July 28, 2022. Values reported by the individual states or counties may differ from those reported by the CDC. For more details on the CDC calculation see: https://www.cdc.gov/coronavirus/2019-ncov/cases-in-your-community/community-level-indicator.html.
Seven day sum of new Covid-19 cases by onset date per 100,000 by age group in Southwestern Ohio

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

There have been 5,112 deaths due to COVID-19 in Southwestern Ohio

Seven day moving average of COVID-19 deaths. Reports of deaths tend to lag 1-2 months

Percentage of test results returned positive in 14 county region

% of test returned positive 7 day positivity rate

17.6%

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

Source: The Health Collaborative data as of 07/29/2022. 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

Source: The Health Collaborative data as of 07/29/2022. Most recent 3 days highly subject to change.
How are we doing getting people vaccinated against COVID-19?

Percentage of the total population that have completed a vaccine series

Source: CDC County data. https://covid.cdc.gov/covid-data-tracker/#county-view. Data as of July 27, 2022. On October 28th duplicate vaccinations were removed from the Kentucky data by the CDC causing a decrease in the rate.
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

Clinton County, Ohio, Population: 41,968
- 22,699 started
- 20,887 completed
- 9,874 with booster

Hamilton County, Ohio, Population: 817,473
- 567,495 started
- 517,927 completed
- 273,952 with booster

Highland County, Ohio, Population: 43,161
- 17,938 started
- 16,550 completed
- 7,668 with booster

Warren County, Ohio, Population: 234,602
- 164,046 started
- 153,888 completed
- 84,106 with booster

Adams County, Ohio, Population: 27,698
- 11,005 started
- 9,888 completed
- 4,234 with booster

Brown County, Ohio, Population: 43,432
- 19,474 started
- 18,130 completed
- 8,549 with booster

Butler County, Ohio, Population: 383,134
- 238,025 started
- 220,934 completed
- 106,971 with booster

Clermont County, Ohio, Population: 206,428
- 127,676 started
- 119,285 completed
- 60,805 with booster

Boone County, Kentucky, Population: 133,581
- 96,416 started
- 84,345 completed
- 39,122 with booster

Campbell County, Kentucky, Population: 93,584
- 70,261 started
- 60,690 completed
- 28,961 with booster

Grant County, Kentucky, Population: 25,069
- 13,587 started
- 12,473 completed
- 5,777 with booster

Kenton County, Kentucky, Population: 166,998
- 117,745 started
- 102,737 completed
- 48,707 with booster

Dearborn County, Indiana, Population: 49,458
- 35,745 started
- 31,667 completed
- 13,735 with booster

Franklin County, Indiana, Population: 22,758
- 10,085 started
- 8,923 completed
- 3,891 with booster

Ripley County, Indiana, Population: 28,324
- 15,346 started
- 14,046 completed
- 6,785 with booster

Source: CDC County data. https://covid.cdc.gov/covid-data-tracker/#county-view. Data as of July 27, 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.
Percentage of the total population with vaccines started, completed, and with booster

Southwestern Ohio, Population: 1,797,896
Started: 1,168,358  Completed: 1,077,489  Booster: 558,159

Northern Kentucky, Population: 419,232
Started: 298,009  Completed: 260,245  Booster: 122,567

Southeastern Indiana, Population: 100,540
Started: 61,176  Completed: 54,636  Booster: 24,411

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Southeastern Ohio, Population: 1,797,896
Started: 1,168,358  Completed: 1,077,489  Booster: 558,159

Total Region, Population: 2,317,668
Started: 1,527,543  Completed: 1,392,370  Booster: 705,137

Source: CDC County data. https://covid.cdc.gov/covid-data-tracker/#/county-view. Data as of July 27, 2022. On October 28th duplicate vaccinations were removed from the Kentucky data by the CDC causing a decrease in the rate.
% of total population that has completed a vaccine series

% of population ages 5-17 that has completed a vaccine series

Distribution of % of total population vaccinated in ZIP codes

Distribution of % of 5-17 year olds vaccinated in ZIP codes

Source: Ohio Department of Health. Vaccinations given through 2022-07-28
COVID-19 cases per 100,000 population by zip code over 7 days

Source: Ohio Department of Health downloaded on July 29, 2022, data updates each Thursday.
ODH reports cases by zip code over the last 14 days, this is divided by 2 to scale to the CDC 7 day transmission levels.
Hamilton County 21 day moving average per 100,000 for Black and White populations

Note: The Y axis is different for each plot. Grey shading indicates provisional data that is likely to change. Source: ODH Dashboard data updated on 2022-07-07