Greater Cincinnati COVID-19 Situational Awareness*

May 31, 2021

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Number of COVID positive patients in Region 6 hospitals

- **Mar 01**: 96 confirmed
- **Mar 15**: 28 in ICU
- **Apr 01**: 24 on ventilators

Source: Ohio Hospital Association Hospital Resource Tracker on May 31st
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 May 31st.
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 May 31st.
Occupied beds in Southwestern Ohio hospitals, seven day moving average

ICU beds

Medical-Surgical beds

Normal operating level and adequate staffing
Minor to moderate strain on staffing
Moderate to extreme strain on staffing
Further bed expansion - extreme strain on staffing and system

Source: OHA data as of May 31st
Daily seven day moving average Covid cases per 100,000 people in each county with TTSI levels

Levels are those suggested by Massachusetts Testing, Tracing, and Supported Isolation collaborative, information can be found here: https://ethics.harvard.edu/ttsi-technical-handbook. Per local leadership, the lowest threshold for our region is being set at 5 cases per 100,000.

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

Hamilton County, Ohio

Estimated R

R = 0.73

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

Fourteen County Region

Estimated R

R = 0.82

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

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.

Indiana
R = 0.79

Kentucky
R = 0.80

Ohio
R = 0.79

United States
R = 0.83

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

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

ODH now reports only verified deaths, lag can be as much as 1-2 months

Percentage of test results returned positive in 14 county region

- Common variation
- Centerline
- Observation

Open circles indicate points highly subject to change.

Source: The Health Collaborative data as of 05/31/2021.
Percentage of test results returned positive by age of patient for 14 county area

Common variation

% of test returned positive

Centerline

Number of tests

7 day moving average

Apr 12 Apr 26 May 10 May 24 Jun 07

0-4

% of tests returned positive

4.4%

Open circles indicate points highly subject to change, last data point is May 30, 2021.

Source: The Health Collaborative data as of 05/31/2021.
Percentage of test results returned positive by age of patient for 14 county area

Common variation

% of test returned positive

Centerline

50-59

% of tests returned positive

50-59

60-69

% of tests returned positive

60-69

70-79

% of tests returned positive

70-79

80-89

% of tests returned positive

80-89

Open circles indicate points highly subject to change, last data point is May 30, 2021.

Source: The Health Collaborative data as of 05/31/2021.
Percentage change in weekday mobility in Hamilton County

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

Southwestern Ohio
Population: 1,797,896 Vaccines started: 805,584 Vaccines completed: 706,053

Southeastern Indiana
Population: 100,540 Vaccines started: 32,286 Vaccines completed: 29,592

Source: ODH. https://coronavirus.ohio.gov/static/dashboards/vaccine_data.csv on May 31st, 2021

ISDH. https://hub.mph.in.gov/dataset/c484a6a3-2f32-4af9-8e02-c98801c34545/resource/a4d23ae8-34c2-4951-85e0-3ea9345ee6ea/download/county-vaccinations-by-date.csv on May 31st, 2021
Goal of starting vaccines for 80% of the eligible population in the 15 county area by July 4th

#GetOutTheVax

Data as of: Ohio May 30th; Indiana May 29th; Kentucky May 31st; CDC May 30th. Includes population ages 12 and up.
Percentage of population with vaccine started and completed in Southwestern Ohio and Southeastern Indiana

Southwestern Ohio
Population: 1,797,896
Vaccines started: 805,584
Vaccines completed: 706,053

Southeastern Indiana
Population: 100,540
Vaccines started: 32,286
Vaccines completed: 29,592

Source: ODH. https://coronavirus.ohio.gov/static/dashboards/vaccine_data.csv on May 31st, 2021
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