Greater Cincinnati COVID-19 Situational Awareness*

January 17, 2022

*This information is provided “as-is.” The Health Collaborative and its partners make no representation or warranty, express or implied, including without limitation any warranties of merchantability, fitness for a particular purposes, non-infringement, or warranties as to the quality, accuracy, or completeness of the information. Any use or reliance on this information is at the user’s sole risk.
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 January 15, 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:

- Adams County, Ohio, Population: 27,668
  - Started: 10,513
  - Completed: 9,326
  - Booster: 3,473

- Ashtabula County, Ohio, Population: 41,968
  - Started: 20,469
  - Completed: 19,003
  - Booster: 8,253

- Boone County, Kentucky, Population: 133,581
  - Started: 91,107
  - Completed: 79,571
  - Booster: 30,173

- Brown County, Ohio, Population: 43,432
  - Started: 18,494
  - Completed: 17,049
  - Booster: 6,942

- Butler County, Ohio, Population: 383,134
  - Started: 225,440
  - Completed: 208,422
  - Booster: 87,611

- Clinton County, Ohio, Population: 41,968
  - Started: 20,469
  - Completed: 19,003
  - Booster: 8,253

- Clermont County, Ohio, Population: 206,428
  - Started: 121,412
  - Completed: 113,174
  - Booster: 48,664

- Dearborn County, Indiana, Population: 49,458
  - Started: 33,407
  - Completed: 29,251
  - Booster: 10,090

- Delaware County, Ohio, Population: 22,758
  - Started: 9,478
  - Completed: 8,245
  - Booster: 3,057

- Franklin County, Ohio, Population: 817,473
  - Started: 540,721
  - Completed: 493,019
  - Booster: 223,248

- Grant County, Kentucky, Population: 25,069
  - Started: 12,956
  - Completed: 11,784
  - Booster: 4,482

- Highland County, Ohio, Population: 40,303
  - Started: 17,265
  - Completed: 16,024
  - Booster: 5,421

- Hamilton County, Ohio, Population: 234,602
  - Started: 154,802
  - Completed: 145,052
  - Booster: 68,019

- Highland County, Wisconsin, Population: 28,724
  - Started: 14,594
  - Completed: 13,100
  - Booster: 5,486

- Jan 2021 Apr 2021 Jul 2021 Oct 2021 Jan 2022
  - 0%
  - 25%
  - 50%
  - 75%

Source: CDC County data. https://covid.cdc.gov/covid-data-tracker/#county-view. Data as of January 15, 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 on January 17th, 2022
ISDH. https://hub.mph.in.gov/dataset/c484a6a3-2d32-4af9-8e02-c98801c346a4/resource/a4d23ae8-34c2-4951-85e0-3ea9345ee6ea/download/county-vaccinations-by-date.csv on January 17th, 2022
Seven day sum of new Covid cases per 100,000 people in each county with CDC levels


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

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.

Hamilton County, Ohio

R = 1.30*

Estimated R

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

Fourteen County Region

R = 1.38*

Estimated R

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.

Percentage of test results returned positive in 14 county region

- % of test returned positive
- 7 day positivity rate

Source: The Health Collaborative data as of 01/17/2022.
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 01/17/2022. 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

Source: The Health Collaborative data as of 01/17/2022. Most recent 3 days highly subject to change.
Number of COVID positive patients in Region 6 hospitals

% of hospitalized patients who are COVID positive
7 day moving average

% of COVID positive patients in ICU
7 day moving average

Positive patients on ventilators as % of positive patients in ICU
7 day moving average

Source: Ohio Hospital Association Hospital Resource Tracker on January 17th
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 17th.
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 17th.
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

99%

Medical-Surgical beds

98%

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

Source: Surgenet data as of January 17th, 2022 at 00:00. Includes data from all regional acute care hospitals.
Seven day moving average of COVID-19 deaths in Southwestern Ohio

Reports of deaths tend to lag 1-2 months
