CCHD COVID-19 Cases by Month:

August 2022

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All Clinical Laboratory Improvement Amendments (CLIA) certified laboratories report positive test results for the presence of SARS-COV-2 virus to the Connecticut Department of Public Health. Those positive cases are entered into the ContaCT database which then filters cases based on location to their respective health departments/districts. ContaCT is Connecticut’s statewide voluntary and confidential software system for monitoring the health and wellbeing of people affected by COVID-19. This data does not include results from at-home test kits.

The first COVID-19 positive case to enter the ContaCT database in Connecticut was in May of 2020. Due to the nature of the COVID-19 pandemic, reporting years begin in May. Year 1 begins May 1, 2020 through April 30, 2021. Period 2 starts May 1, 2021, through April 30, 2022. We are currently in Year 3 reporting which started May 1, 2022.

Figure 1 charts the incidence rate of reportable cases per 100,000 population. Population data for Berlin (20,436), Newington (30,014), Rocky Hill (20,115) and Wethersfield (26,008) were calculated based on US Census data from April 1, 2020.

Figure 1 depicts the number of reportable COVID-19 cases throughout the pandemic. The peak between September 2020 through February 2021 is indicative of the Alpha wave. The small peak between July 2021 -September 2021 is indicative of the Delta wave. The peak between November 2021 and February 2022 is indicative of the Omicron BA.1 wave. Currently the data for 2022-2023 is indicative of Omicron variants BA.2 and BA.4/BA.5. The reportable cases during the Alpha wave had the highest peak so far during the COVID-19 pandemic.

Figure 1

Number of Reportable Cases by Month for CCHD Towns
Reportable case data for CCHD reflects similar trends as the State of Connecticut. The chart (Figure 2) below shows the number of COVID-19 cases reported to CT DPH by day of first positive specimen collection or onset of illness. This chart was pulled from COVID-19 Report | Connecticut Data on September 9, 2022. The chart illustrates the month of January 2022 having the highest peak of COVID-19 cases, this however, is different to the trend seen in Figure 1, with the highest peak of COVID-19 cases occurring during December of 2020.

Figure 2

Number of Confirmed and Probable COVID-19 Cases by Date

Test results may be reported several days after the result. Data are incomplete for the most recent days.

Data trends for CCHD and the State of Connecticut have shown an increase of COVID-19 cases occurring October through February during the past two years. The number of cases during the months of May, June, July, and August have been the highest this reporting year (2022-2023) compared to those months from the previous two reporting periods. It is possible to see a larger number of cases, prior to the previous two years, to occur during November (2022) through February (2023). It is important for residents to complete their vaccination series and get boosted, practice proper hygiene, stay home when sick, and to be encouraged to wear masks when social distancing is not possible during this time; not only to reduce the number of COVID-19 cases, but to help reduce the number of hospitalizations and deaths attributed to COVID-19.

It is crucial to understand that the cases reported do not include the results from positive at-home test kits. The actual case positivity rate is much higher than reflected in the numbers presented in this
This report provides the information needed to understand the trends of COVID-19 in our communities, so individuals can be prepared to facilitate COVID-19 prevention strategies on their own.

The following charts (Figure 3, 4, 5, and 6) show the case positivity rates of each town by year.

**Figure 3**

Number of Reportable COVID-19 Cases by Year in Newington, CT

**Figure 4**

Number of Reportable COVID-19 Cases by Year in Berlin, CT
Figure 5

Number of Reportable COVID-19 Cases by Year in Rocky Hill, CT

Number of Reportable COVID-19 Cases per 100,000 Population

Reporting Month

2020-2021  2021-2022  2022-2023

Figure 6

Number of Reportable COVID-19 Cases by Year in Wethersfield, CT

Number of Reportable COVID-19 Cases per 100,000 Population

Reporting Month

2020-2021  2021-2022  2022-2023