

Butler County General Health District's 117th COVID-19 Update (05/21/2022)

Confirmed and Probable COVID-19 Cases Reported to Butler County*

Butler County Residents, 2020-22

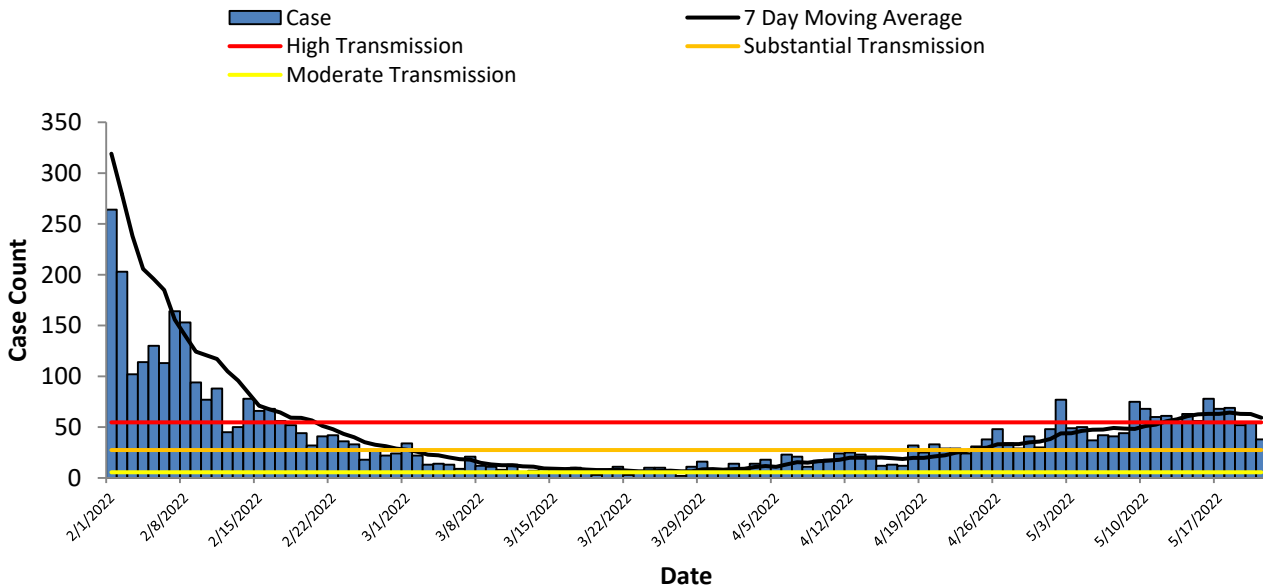
Total # of Cases (05/21):	95,695*
ODH verified Deaths (05/21):	1,153**
Hospitalizations (05/21):	3,259
First Case Reported:	3/11/2020
Last Case Reported (so far):	05/21/2022
Confirmed Cases:	72,089
Probable Cases:	23,606
Age Range:	<1-103
Median Age:	36
Mean Age:	38.1
Incidence (thru 05/21):	24,976.9 per 100,000
Prevalence (thru 05/21):	25.0% of BC population
7-Day Positivity Rate (05/26):	10.05[#]% of tests performed in BC

Table 1: CDC Indicators		
Indicator	Butler County New Cases over 7 days	Status Level According to CDC
Community Level	-	Low
Positivity Rate	10.05 % of tests performed in Butler County	High Positivity (over 9.99% of tests)
Incidence per 100,000 population	106.3 per 100,000	High Spread (over 99.99 per 100,000)

The Butler County General Health District will continue to monitor transmission levels based on previous CDC indicators; however, generalized guidance will now be based on the CDC's Community Level indicators.

Transmission trends stalled out this week. The drop in -3% is too small to indicate a true drop, and delayed reporting in cases will probably make it an even smaller change. That being said, it is a change in the trend. The positivity rate in tests also went down. More observation over time is needed to ascertain the longevity of the trend.

Figure 1. Cases by Date of Event Since February 1, 2022



All figures show reported cases of COVID-19 in Butler County as of 0800 EDT 05/26/2022. Due to delays in reporting, the numbers of confirmed and probable cases on all figures are subject to change between reports and confirmed and probable case counts are likely to increase. *This should not be assumed to be the total disease burden of COVID-19 in Butler County only those that have been laboratory confirmed OR meet ODH probable case criteria AND reported to Public Health.

#Data is provisional – only confirmed or probable COVID-19 cases are included in counts. Report reflects time period since the introduction of SARS-CoV-2 into humans, measured in days. Data accessed from the Ohio Disease Reporting System (ODRS) on 05/26/2022 at 0800 EDT.

**Deaths are now reconciled to the Ohio Department of Health's available data to avoid discrepancies between the state and local numbers. ODH's protocol has changed to avoid reconciliation errors and now only includes those deaths that have been reconciled with Vital statistics and may not match what has been reported to the CDC which are provisional numbers. This is a lagging indicator and will be multiple weeks behind.

#Gathered from CDC's Data Tracker of Butler County 05/26/2022 0800 EDT accessible at <https://covid.cdc.gov/covid-data-tracker/#county-view>

Figure 2. Reported Cases of COVID-19 by Date of Event 2020-2022*

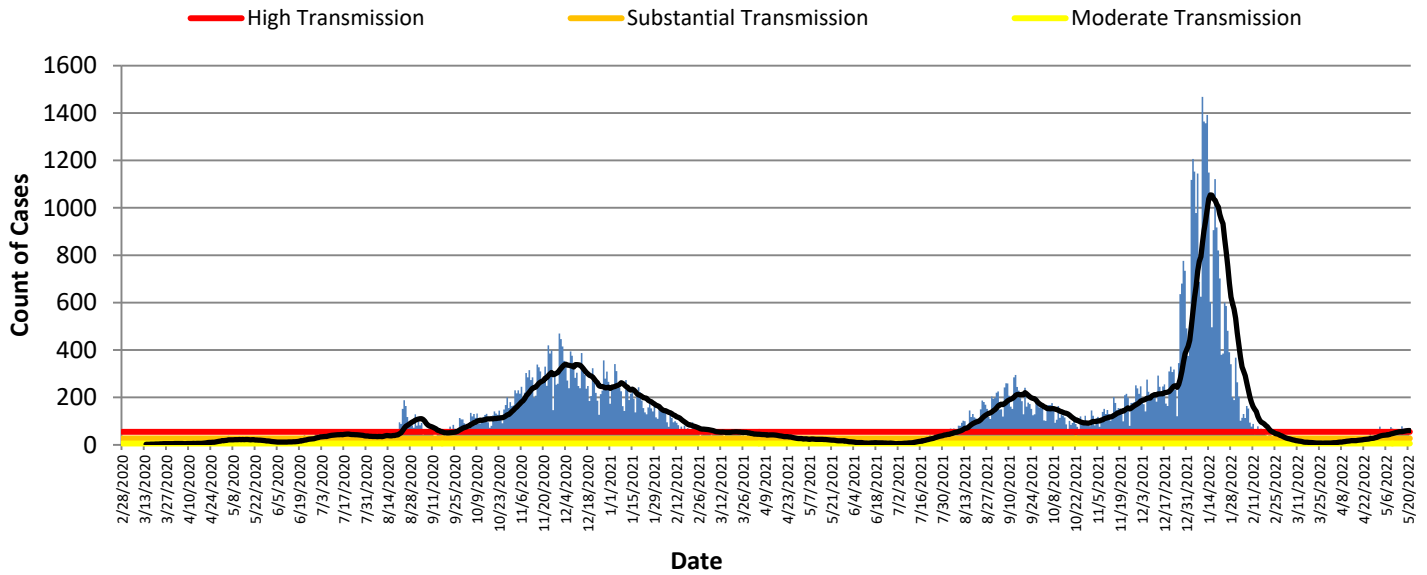


Table 2: Total Reported* Cases by ZIP Code					
ZIP Code	Number of Cases	New Cases (05/15-05/21)	Change in cases from previous 7 days (05/08-05/14)	Transmission	% of Cases
45011	17575	70	-13.6%	High	18.4%
45044	13599	44	-30.2%	Substantial	14.2%
45013	12792	69	21.1%	High	13.4%
45069	12873	86	8.9%	High	13.5%
45014	11344	51	4.1%	High	11.9%
45056	6246	19	-34.5%	Substantial	6.5%
45042	6367	21	-12.5%	Substantial	6.7%
45067	3937	17	13.3%	High	4.1%
45050	2738	6	50.0%	Substantial	2.9%
45015	2714	7	40.0%	Substantial	2.8%
45241	1451	11	10.0%		1.5%
45053	689	0	-	No Transmission reported	0.7%
45005	602	1	-66.7%	-	0.6%
45064	375	0	-100.0%	-	0.4%
45246	176	3	-	-	0.2%
45062	147	0	-100.0%	-	0.2%
Cases lacking zip code information or from zip codes with too few cases	2,070	10		-	2.2%
Butler County (inclusive)	95,695	415	-11 (-2.58%)	High	100%

Zip-codes that have transmissions not rated have most of their populations outside of Butler County. Zip-codes with too few cases have been removed for privacy concerns.

New Cases are determined by "Date of Event" which is when the case was ill/test was collected. CDC determines new cases by "Date of Report".

Table 2 shows the zip-code level data that is new for this week. 45011, 45013, 45069, 45014, 45067 are all in high transmission. 45056 downgraded to substantial transmission.

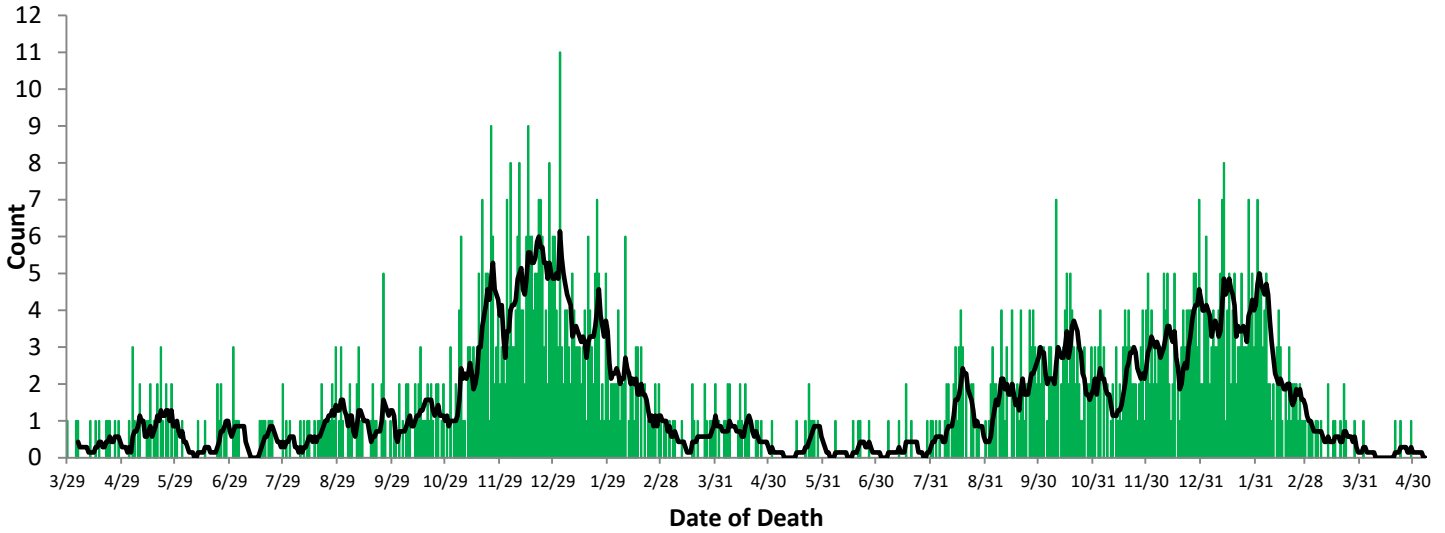
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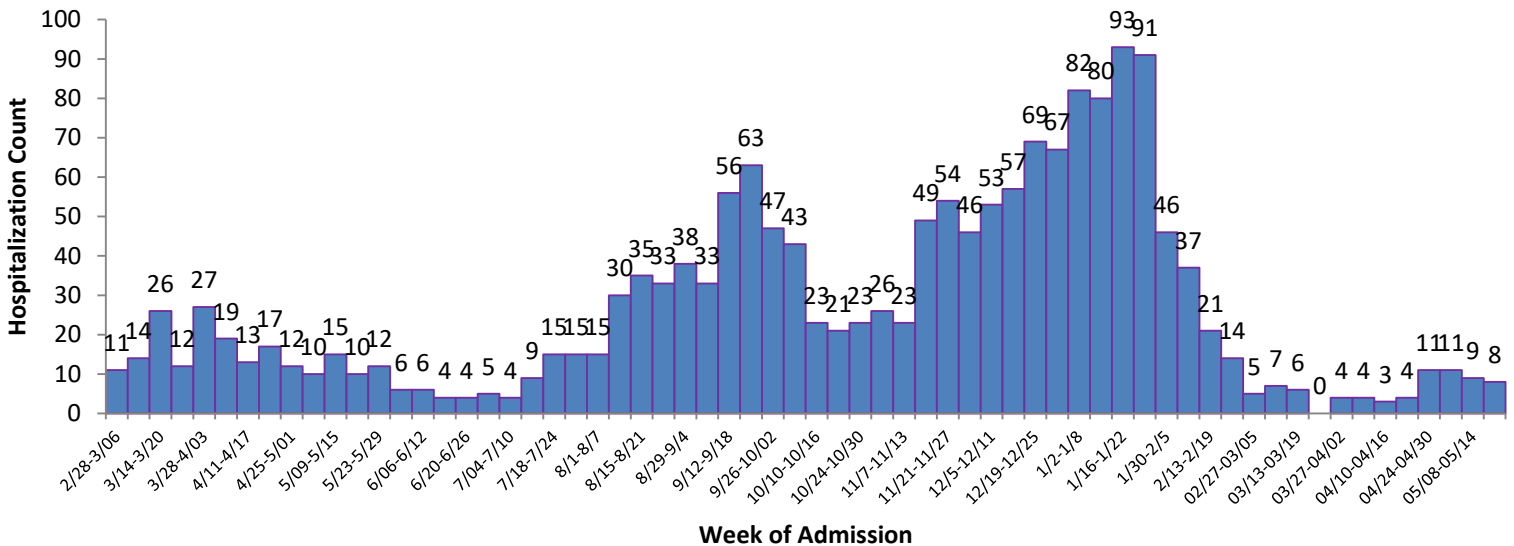
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Figure 3. Confirmed COVID-19 Deaths by date of death, 2020-22**



Figures 3 and 4 show severe case outcomes. These are both lagging indicators since it typically takes time for a case to succumb to COVID and well over a month for a COVID-19 death to be verified. Deaths will take about 4-6 weeks to begin to register for last week.

Figure 4. COVID-19 Hospitalizations of Butler County Residents by Week since the first week of March 2021



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