

Butler County General Health District's 88th COVID-19 Update (10/30/2021)

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

Butler County Residents, 2020-21

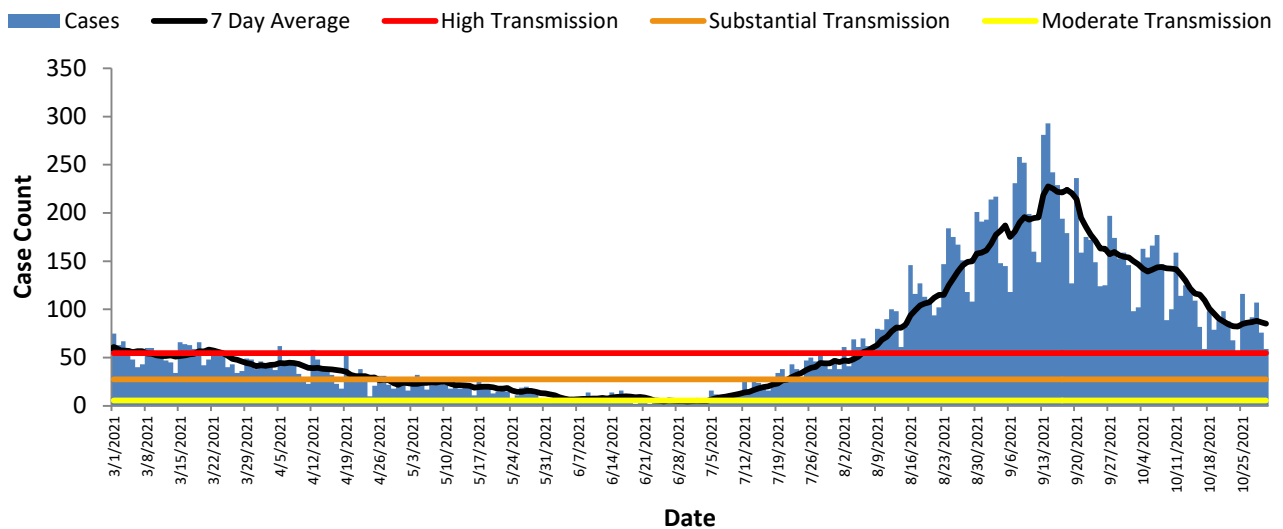
Total # of Cases (10/30):	52,930*
ODH verified Deaths (10/30):	742**
Hospitalizations (10/30):	2,265
First Case Reported:	3/11/2020
Last Case Reported (so far):	10/30/2021
Confirmed Cases:	44,495
Probable Cases:	8,435
Age Range:	<1-103
Median Age:	38
Mean Age:	39.4
Incidence (thru 10/30):	13815.0 per 100,000
Prevalence (thru 10/30):	13.8% of BC population
7-Day Positivity Rate (10/28):	9.4%# of tests performed in BC

Table 1: CDC Indicators		
Indicator	Butler County New Cases over 7 days	Status Level According to CDC
Incidence per 100,000 population	155.5 per 100,000	High Spread (over 100 per 100,000)
Positivity Rate	9.4% of tests performed in Butler County	Substantial Positivity (8.00-9.99% of tests)

This report has transitioned from using the target indicators that Governor DeWine and the Ohio Department of Health had previously set to the CDC's Community Transmission Indicators. The CDC has its own data tracker that is accessible at <https://covid.cdc.gov/covid-data-tracker/#datatracker-home>, which gives a good picture of how the nation as a whole is doing. They also have county tracking information, but as CDC mentions, local reports will be more up-to-date and should be considered more definitive.

Butler County saw the first uptick in cases after more than a month of steady declines in both positivity rate and cases reported to Butler County. Butler County remains a **community of High Transmission** and substantial positivity.

Figure 1. Cases by Date of Event Since March 1, 2021



All figures show reported cases of COVID-19 in Butler County as of 0800 EDT 11/4/2021. 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 11/04/2021 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.

Vaccination numbers were collected 1200 EDT 11/04/2021 from ODH COVID-19 Dashboard and the Innovate Ohio Platform. Vaccinations are considered started on the day an individual receives first dose of a COVID-19 vaccine. Vaccinations are considered completed on the day an individual receives the final recommended dose of a vaccine.

#Gathered from CDC's Data Tracker of Butler County 11/04/2021 0800 EDT accessible at <https://covid.cdc.gov/covid-data-tracker/#county-view>

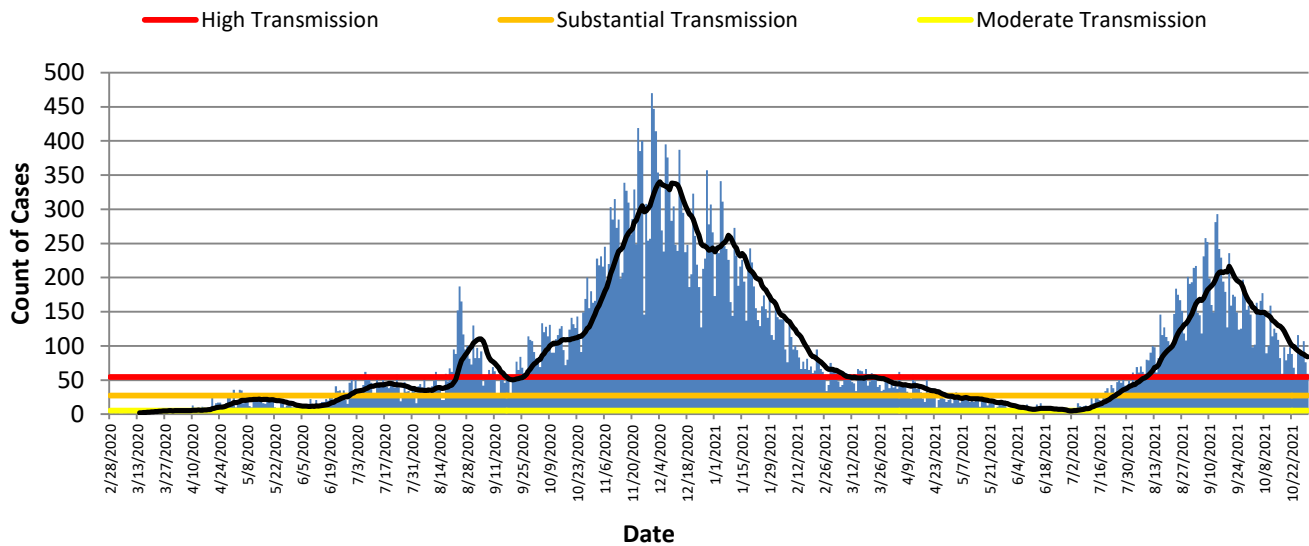
Table 2: Total Reported* Cases by ZIP Code						
ZIP Code	Number of Cases	New Cases (10/24-10/30)	Change in cases from previous 7 days (10/17-10/23)	Transmission	% of Cases	
45011	9140	140	48 (52.2%)	High	17.3%	
45044	7436	94	10 (11.9%)	High	14.0%	
45013	6970	79	3 (3.9%)	High	13.2%	
45069	6475	75	14 (23.0%)	High	12.2%	
45014	6474	75	1 (1.4%)	High	12.2%	
45056	4104	14	-9 (-39.1%)	Substantial	7.8%	
45042	3714	43	-15 (-25.9%)	High	7.0%	
45067	2276	21	-21 (-50.0%)	High	4.3%	
45050	1651	21	6 (40.0%)	High	3.1%	
45015	1454	7	-11 (-61.1%)	Substantial	2.7%	
45241	723	6	-2(-25%)		1.4%	
45053	440	6	-3(-33.3%)	High	0.8%	
45005	321	6	5(500%)		0.6%	
45064	205	1	0 (0%)		0.4%	
45246	93	0	0 (0%)		0.2%	
45062	80	0	0 (0%)		0.2%	
Cases lacking zip code information or from zip codes with too few cases	1,374	8		-	2.6%	
Butler County (inclusive)	52,930	596	18 (3.1%)	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. **Almost all zip-codes** in Butler County still meet the conditions set to be declared a **community of high transmission**. Cases are dropping in all but one zip-code. Since individuals are rarely constrained by the relatively small borders of a zip-code in their day-to-day lives, these transmission indicators are for information only. For practical guidance, follow the county level indicators. Figure 2 shows the recent surge in cases and new indicator levels in context of the entire pandemic.

Figure 2. Reported Cases of COVID-19 by Date of Event 2020-2021*



All figures show reported cases of COVID-19 in Butler County as of 0800 EDT 11/4/2021. 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.

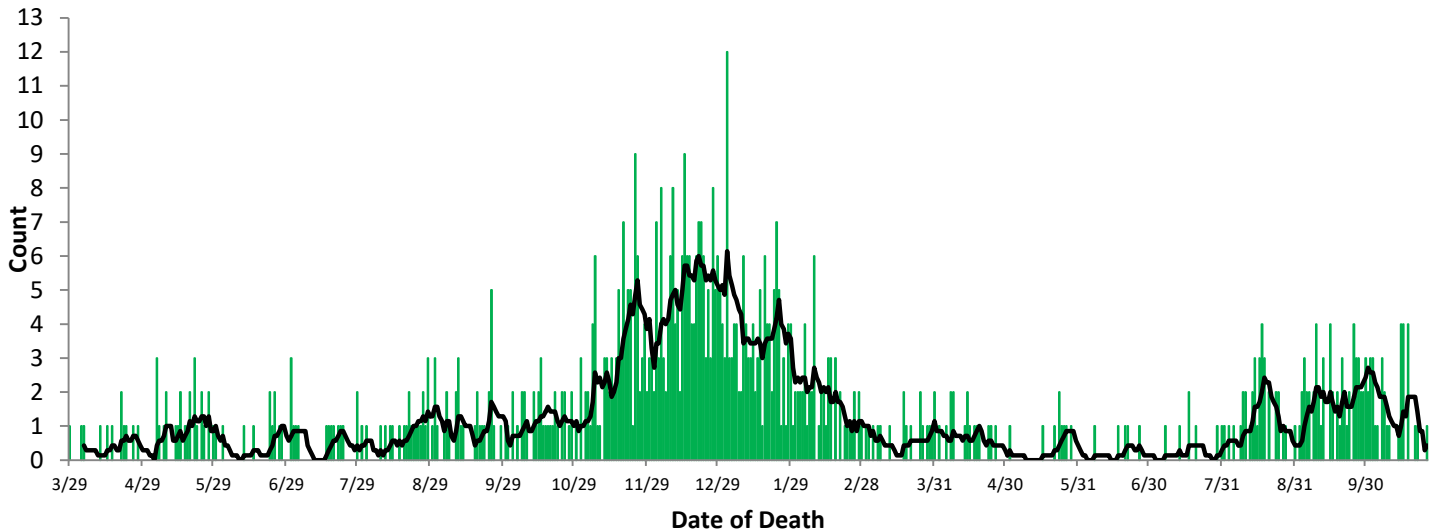
*Data is provisional – only confirmed or probable COVID-19 cases are included in counts. Report reflects time period since the introduction of SARS-CoV-2 into humans, measured in days. Data accessed from the Ohio Disease Reporting System (ODRS) on 11/04/2021 at 0800 EDT.

**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.

Vaccination numbers were collected 1200 EDT 11/04/2021 from ODH COVID-19 Dashboard and the Innovate Ohio Platform. Vaccinations are considered started on the day an individual receives first dose of a COVID-19 vaccine. Vaccinations are considered completed on the day an individual receives the final recommended dose of a vaccine.

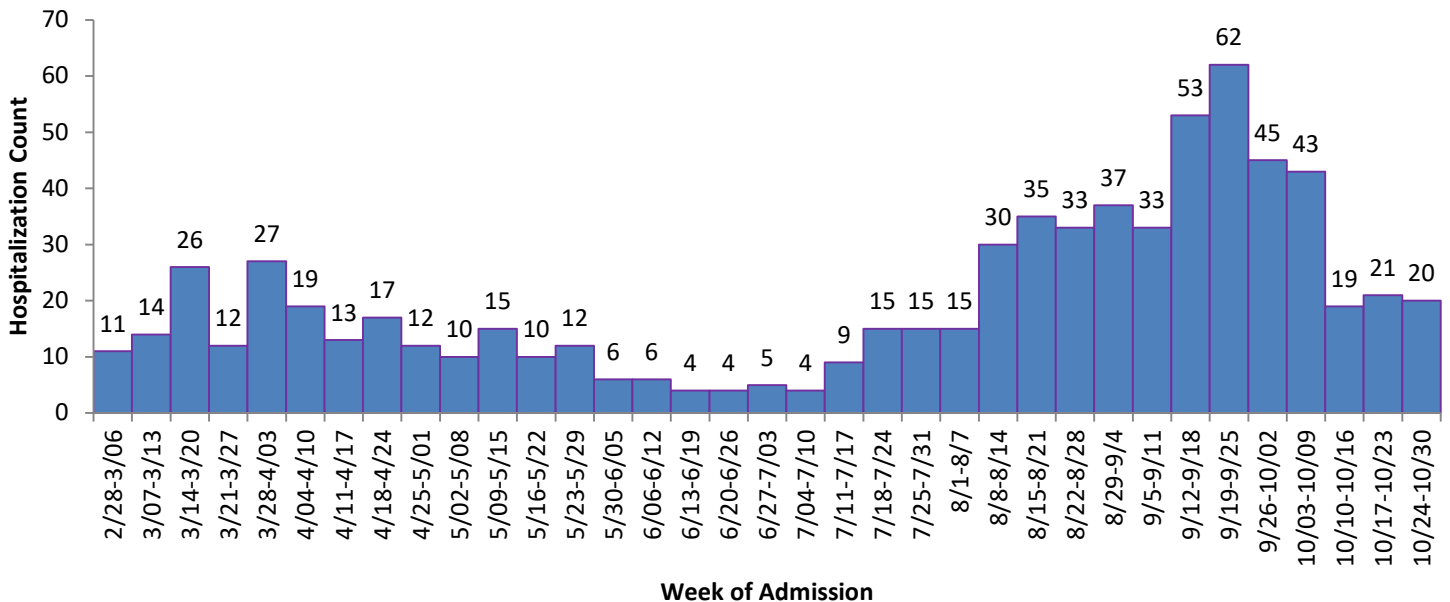
#Gathered from CDC’s Data Tracker of Butler County 11/04/2021 0800 EDT accessible at <https://covid.cdc.gov/covid-data-tracker/#county-view>

Figure 3. Confirmed COVID-19 Deaths by date of death, 2020-21**



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. Both deaths and hospitals have declined. Even when accounting for the lag time that is expected these are good trends to be seeing. Reports of deaths typically peak approximately 4-6 weeks after the peak of a surge in cases, which is where the county is right now after the peak of the fourth wave.

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



All figures show reported cases of COVID-19 in Butler County as of 0800 EDT 11/4/2021. 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 11/04/2021 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.

Vaccination numbers were collected 1200 EDT 11/04/2021 from ODH COVID-19 Dashboard and the Innovate Ohio Platform. Vaccinations are considered started on the day an individual receives first dose of a COVID-19 vaccine. Vaccinations are considered completed on the day an individual receives the final recommended dose of a vaccine.

#Gathered from CDC’s Data Tracker of Butler County 11/04/2021 0800 EDT accessible at <https://covid.cdc.gov/covid-data-tracker/#county-view>

Table 3. Cases Under Age of 17 by Zip –Code 08/01-10/30

Zip Code	Cases since August 1st	Cases per 100,000 past week
45011	582	132.8
45069	351	153.1
45044	511	161.0
45014	319	132.9
45013	355	126.9
45050	115	113.3
45042	237	228.2
45056	98	100.2
45015	117	0.0
45241	37	-
45067	171	72.6
45053	25	674.5
45246	11	-

^Cases are below threshold to release. Population estimates from Ohio Hospital Association 2019

Table 3 shows cases that are ages 17 or younger by zip-code. The importance of this table is to demonstrate that though numbers remain small on an absolute level, relative to the population size it has actually been very high spread since the start of school. Were we to classify ages by zip-code in the same manner of the CDC’s definition, most Butler County would be considered “high” transmission for school-age students. It is true that children are less likely to develop severe illness, but they are not immune and they can spread it to others. **There have been pediatric hospitalizations of COVID-19 in Butler County.** Since the beginning of the pandemic, **pediatric hospitalizations of COVID-19 have doubled the 5-year average of pediatric hospitalizations of influenza in Butler County.** That figure is not including children hospitalized with MIS-C associated with COVID-19, just those with acute COVID-19 infection.

Vaccine data is not available this week due to technical issues. Once that issue has been resolved, this report will be retroactively edited to include the data and all future reports will have them as normal.

All figures show reported cases of COVID-19 in Butler County as of 0800 EDT 11/4/2021. 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 11/04/2021 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.

Vaccination numbers were collected 1200 EDT 11/04/2021 from ODH COVID-19 Dashboard and the Innovate Ohio Platform. Vaccinations are considered started on the day an individual receives first dose of a COVID-19 vaccine. Vaccinations are considered completed on the day an individual receives the final recommended dose of a vaccine.

#Gathered from CDC’s Data Tracker of Butler County 11/04/2021 0800 EDT accessible at <https://covid.cdc.gov/covid-data-tracker/#county-view>