Butler County General Health District COVID-19 Update (12/12/2020)
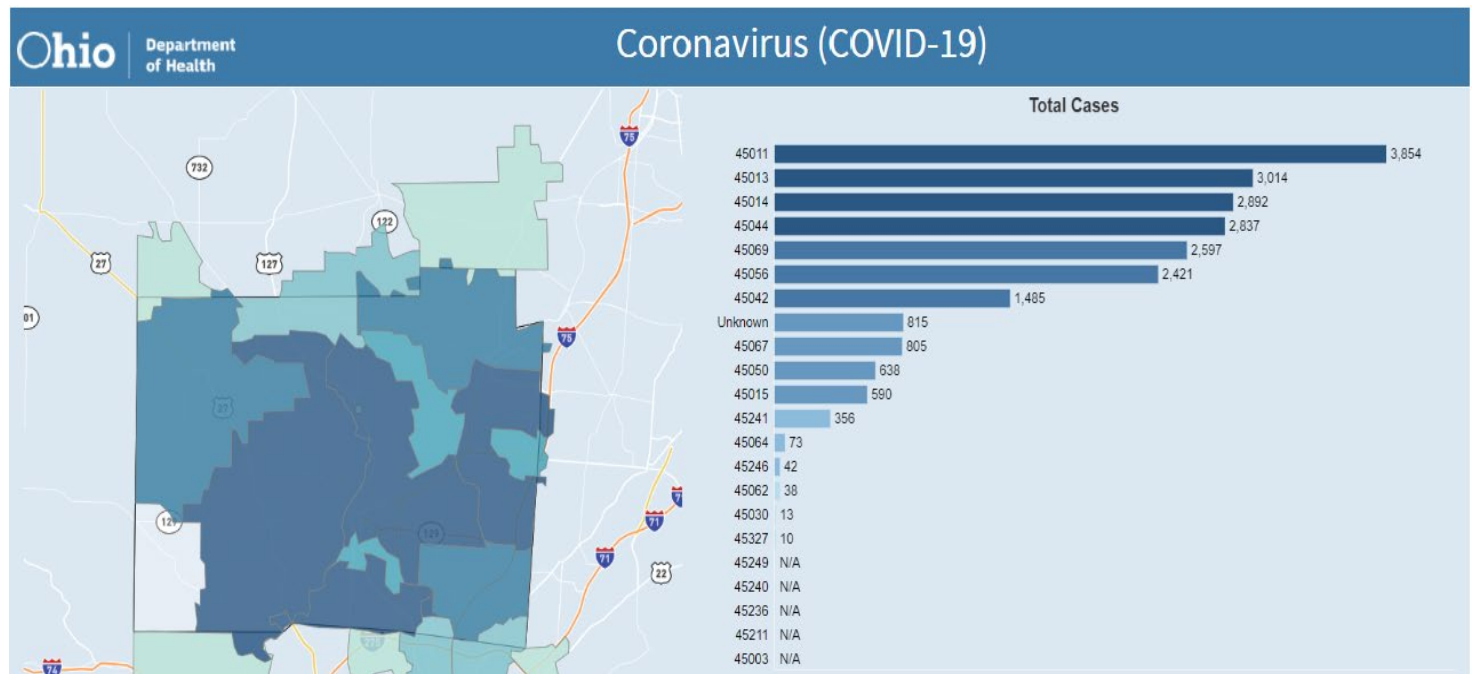## Confirmed and Probable COVID-19 Cases Reported in Butler County*
Butler County Residents, 2020

Total # of Cases (12/12):	**21,691***
Confirmed Deaths (12/12):	**175**
Hospitalizations (12/12):	**740**
ICU (12/12):	**78**
First Case Reported:	3/11/2020
Last Case Reported (so far):	12/12/2020
Confirmed Cases:	21,088
Probable Cases:	603
Age Range:	<1-101
Median Age:	39
Mean Age:	41.1
Incidence:	**5,661.5 per 100,000**
Prevalence (3/11-12/12):	**5.7% of BC population**

Please bear with us as the look and feel of our weekly COVID pandmeic report changes. As the pandemic continues, certain data that was important early on is not as important now. Data that was previously produced at the loca llevel is now available from the Ohio Department of Health at: https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards

This interactive site allows you to choose and view many options for Butler or other counties across the state. Our local report will grow and change as different data becomes available. Next week our report will include additional information that we hope will be helpful to the community.

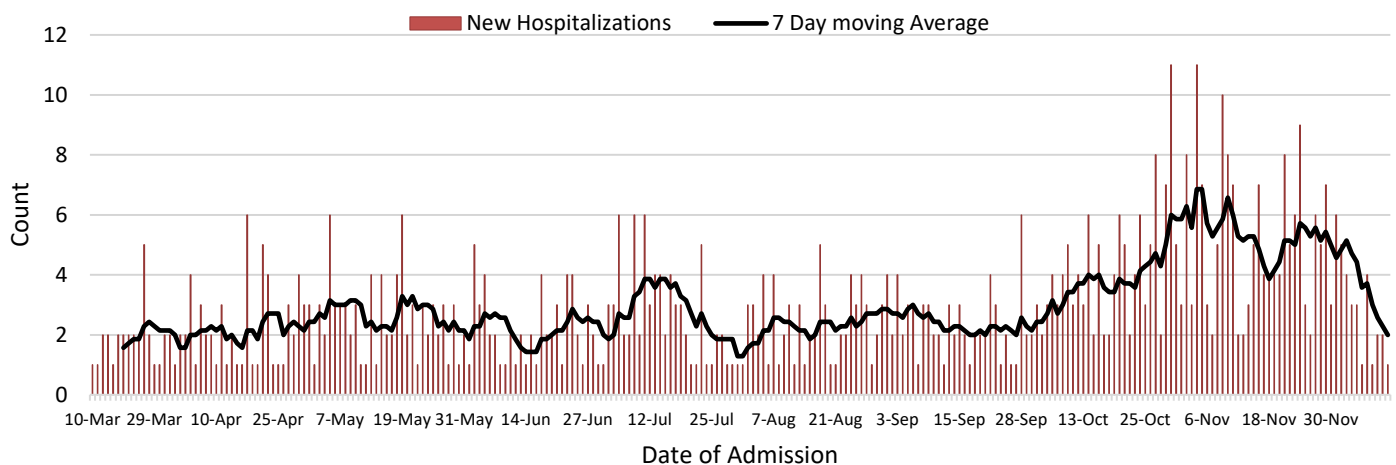**Figure 1: COVID-19 cases by ZIP code as of 12/16/2020**

Source: Ohio Department of Health, COVID-19 Dashboard

All figures show reported cases of COVID-19 in Butler County as of 1700 EDT 12/12/2020. **Due to delays in reporting, the numbers of confirmed and probable cases on Figure 1 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 12/12/2020 at 1700 EST.

This report will continue to report as normal the hospitalization and death figures of Butler County residents.

Figure 2. New Hospitalizations of Butler County Residents by Admission Date, 2020*

When looking at hospitalization figures, please note that there is often a delay of about a week. This figure appears to show a steep decline in hospitalizations; however, if the reader were to compare to last week's chart it would show the same drastic decrease for the last week of November and first week of December. This current week shows a steady increase through those same weeks as data fills in. This graph only counts Butler County residents, and it does not count Butler County hospitals. We know that hospitals in the region continue to report an increase in admissions. There are 82 cases out of 740 for which dates of admission are not listed.
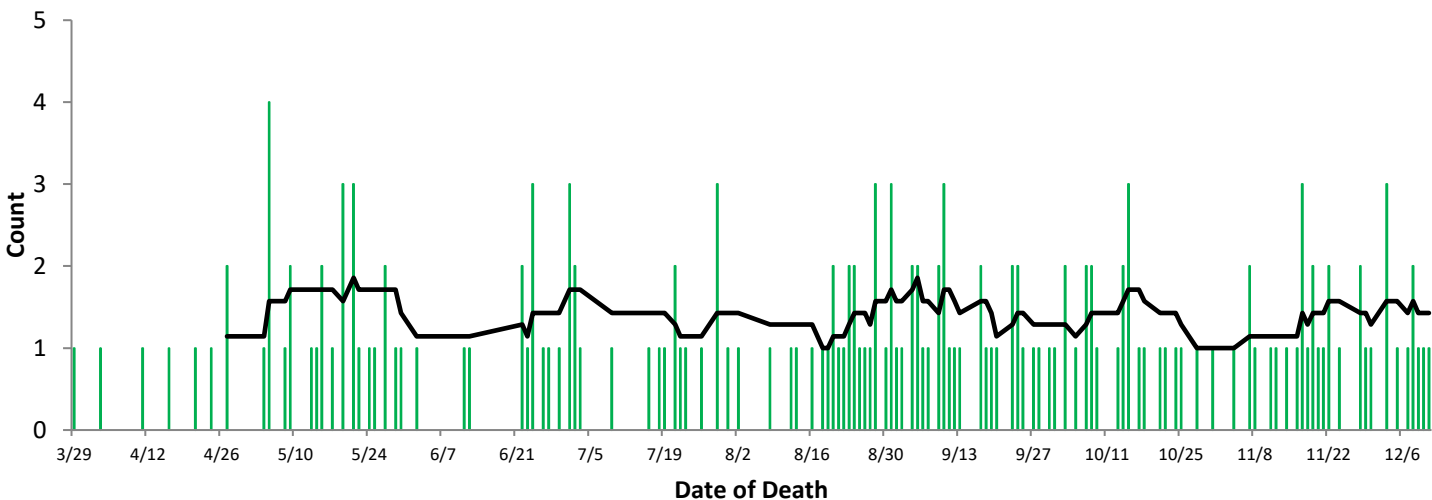
Table 1. Death Statistics, 2020		
	N	%
Confirmed Deaths	175	0.81 %
Age	N	
Range	30-101	
Median	79	
Mean	77.2	
Race	N	%
NH White	147	84%
NH Black	18	10.3%
Asian	4	2.3%
Hispanic	3	1.7%
Unknown	3	1.7%
Sex		
Male	86	50.9%
Female	89	49.1%
High Risk**	167	95.4%
Resides in Long-Term Care	69	39.4%

**Individuals who are high risk are those with underlying health conditions that could exacerbate a SARS-CoV-2 infection including those who are immunocompromised or immunosuppressed or individuals who are older than 65 years of age. High risk status does not imply higher likelihood of disease transmission, but a higher likelihood of a severe illness.

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

The deaths in Butler County have almost entirely been high risk individuals, either by age or by pre-existing health conditions that would lead to a more severe outcome. As is the case with the other numbers, most newly reported deaths are delayed reports from previous weeks back, and is therefore difficult to tell the accuracy or longevity of the trend. Case definition regarding deaths is complicated and may take many weeks to make a final decision regarding cause of death as well as reconciling jurisdiction. Therefore, there may be inconsistencies in reporting between ODH and the three Butler County jurisdictions. For this reason we only include those deaths that have been confirmed and reviewed in our count while the state also includes probable deaths. **Deaths are included in this count <u>only </u>if COVID-19 is listed as immediate or directly underlying cause of death on the death certificate. No Miami University students have died due to COVID-19.**

Table 2. New Reports by MMWR Week, 2020

MMWR Week	End of Week	New Cases Reported (by date of report)	New Hospitalizations (by date of report)	New Confirmed Deaths (by date of death)
11	3/14	12	1	0
12	3/21	7	3	0
13	3/28	15	7	0
14	4/4	45	16	2
15	4/11	52	19	1
16	4/18	47	9	1
17	4/25	58	21	2
18	5/2	110	16	2
19	5/9	151	19	8
20	5/16	139	16	4
21	5/23	185	24	8
22	5/30	101	12	6
23	6/6	108	14	1
24	6/13	80	12	2
25	6/20	117	13	0
26	6/27	174	18	8
27	7/4	206	10	7
28	7/11	296	21	1
29	7/18	269	22	2
30	7/25	302	13	5
31	8/1	283	10	5
32	8/8	251	16	2
33	8/15	278	13	2
34	8/22	267	14	8
35	8/29	634	24	10
36	9/5	755	12	10
37	9/12	512	19	9
38	9/19	383	15	5
39	9/26	383	13	6
40	10/3	540	14	6
41	10/10	634	21	5
42	10/17	704	25	7
43	10/24	786	28	3
44	10/31	951	41	3
45	11/7	1222	37	4
46	11/14	1676	37	4
47	11/21	1880	35	9
48	11/28	2098	46	5
49	12/05	2616	18	6
50	12/12	2364	16	6

*Now does not include MU students who are listed out of jurisdiction.