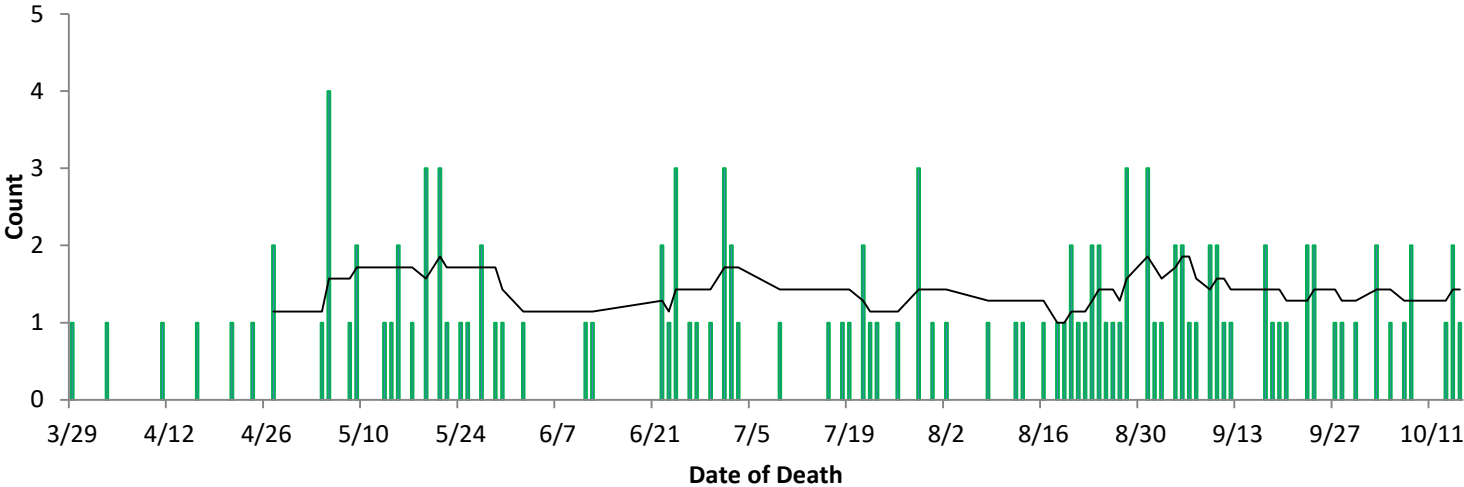


Table 1. Death Statistics, 2020		
	N	%
Confirmed Deaths	125	1.4%
Age		
Range	30-101	
Median	77	
Mean	75.8	

**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 4. 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 only 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.**

All figures show reported cases of COVID-19 in Butler County as of 1700 EDT 10/19/2020. 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.

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Table 2: Total Reported* Cases by ZIP Code

ZIP Code	Number of Cases	Change from previous week	Rate per 100,000	% of Confirmed Cases
Miami University Student Body	2,363	↑ 143 (6.4%) From 2,220	18,176.9	27.3%
45011	1,120	↑ 74 (7.1%) from 1,046	1,607.4	12.9%
45014	1,026	↑ 73 (7.6%) from 953	2,336.2	11.8%
45044	926	↑ 64 (7.4%) from 862	1,753.0	10.7%
45013	806	↑ 84 (11.6%) from 722	1,531.9	9.3%
45069	718	↑ 65 (10.0%) from 653	1,463.5	8.3%
45042	398	↑ 51 (14.7%) from 347	1,504.7	4.6%
45015	195	↑ 10 (5.4%) from 185	1,619.9	2.2%
45067	237	↑ 29 (13.9%) from 208	1,705.3	2.7%
45056**	188	↑ 26(16.0%) from 162	1,339.2	2.2%
45050	160	↑ 13 (8.8%) from 147	1,871.8	1.8%
45241	101	↑ 7 (7.4%) from 94	-	1.2%
45005	41	↑ 2 (5.1%) from 39	-	0.5%
45246	26	↑ 3 (13.0%) from 23	-	0.4%
45053	33	↑ 9 (37.5%) from 24	964.9	0.3%
45064	20	↑ 6 (4.2%) from 14	-	0.2%
45062	11	↑ 4 (57%) from 7	-	0.1%
Cases lacking zip code information or from zip codes with <5 cases	298	-	-	3.4%
Butler County (inclusive)	8667	↑ 669 (8.4%) from 7,998	2,262.1	100%

Zip-codes not calculated have most of their population outside of Butler County. Rate given for comparison by population and will be higher than the actual amount.
 Zip-codes with fewer than 5 cases have been removed for privacy concerns.

**Exclusive of verified Miami University Students living in Oxford, OH 45056. So this zip-code may decrease as students are identified.

Coronavirus Disease 2019 (COVID-19) Case Definitions used by the Ohio Department of Health for Confirmed and Probable cases.

Confirmed

- Positive for SARS-CoV-2 RNA (via FDA-authorized test) with or without meeting epidemiological or clinical criteria

Probable

- Positive for SARS-CoV-2 antigen in a respiratory specimen (via FDA-authorized test) AND meeting either the epidemiological OR clinical criteria.
- No laboratory testing and meeting the epidemiological criteria AND the clinical criteria.
- Positive for SARS-CoV-2 antigen or antibody (regardless of FDA-authorized test) AND meeting both the epidemiological AND clinical criteria.
- Death certificate listing COVID-19 as a cause of death or significant condition contributing to death with no SARS-CoV-2 RNA laboratory testing.

Criteria

Epidemiological:

In the 14 days prior to onset (or first positive test if asymptomatic):

- Close contact with a lab-confirmed case of COVID-19.
- Close contact to a case with compatible illness and epidemiological link to a confirmed case.
- Member of a risk cohort as defined by public health authorities during an outbreak

Clinical:

- Compatible symptoms
 - Two or more of the following: Fever, chills, rigors, myalgia, headache, sore throat, nausea or vomiting, diarrhea, fatigue, congestion, runny nose;
- OR
- At least one of the following symptoms: cough, shortness of breath, difficulty breathing, new olfactory or taste disorder;
- OR
- Severe respiratory illness with at least one of the following: clinical or radiographic evidence of pneumonia, acute respiratory distress syndrome (ARDS);

AND

- No alternative more likely diagnosis.

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Table 3. 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	11	1	0
12	3/21	6	3	0
13	3/28	15	7	0
14	4/4	45	16	2
15	4/11	51	19	1
16	4/18	44	9	1
17	4/25	58	21	2
18	5/2	109	16	2
19	5/9	151	19	8
20	5/16	139	16	4
21	5/23	183	24	8
22	5/30	100	12	6
23	6/6	107	14	1
24	6/13	80	12	2
25	6/20	116	13	0
26	6/27	174	18	8
27	7/4	206	10	7
28	7/11	292	21	1
29	7/18	260	22	2
30	7/25	300	13	5
31	8/1	287	10	5
32	8/8	255	16	2
33	8/15	280	13	2
34	8/22	415	14	7
35	8/29	892	24	10
36	9/5	673	12	9
37	9/12	478	19	8
38	9/19	386	15	4
39	9/26	402	13	5
40	10/3	591	9	5
41	10/10	688	15	4
42	10/17	710	20	4
43***	10/24	62	2	0

***Week 43 is a partial week that only includes the days 10/18 and 10/19

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