

Butler County General Health District COVID-19 Update (08/24/2020)

Confirmed and Probable COVID-19 Cases Reported to Butler County* Butler County Residents, 2020

| | |
|-------------------------------------|-------------------|
| Total # of Cases: | 3579* |
| Confirmed Deaths (08/24): | 69 |
| First Case Reported: | 3/11/2020 |
| Last Case Reported (so far): | 8/24/2020 |
| Confirmed Cases: | 3526 |
| Probable Cases: | 53 |
| Age Range: | <1-101 |
| Median Age: | 42 |
| Mean Age: | 42.9 |
| Incidence Rate: | 936.0 per 100,000 |

Figure 1: Cases Reported to Butler County by Symptom Onset Date*, 2020
(Confirmed and Probable)

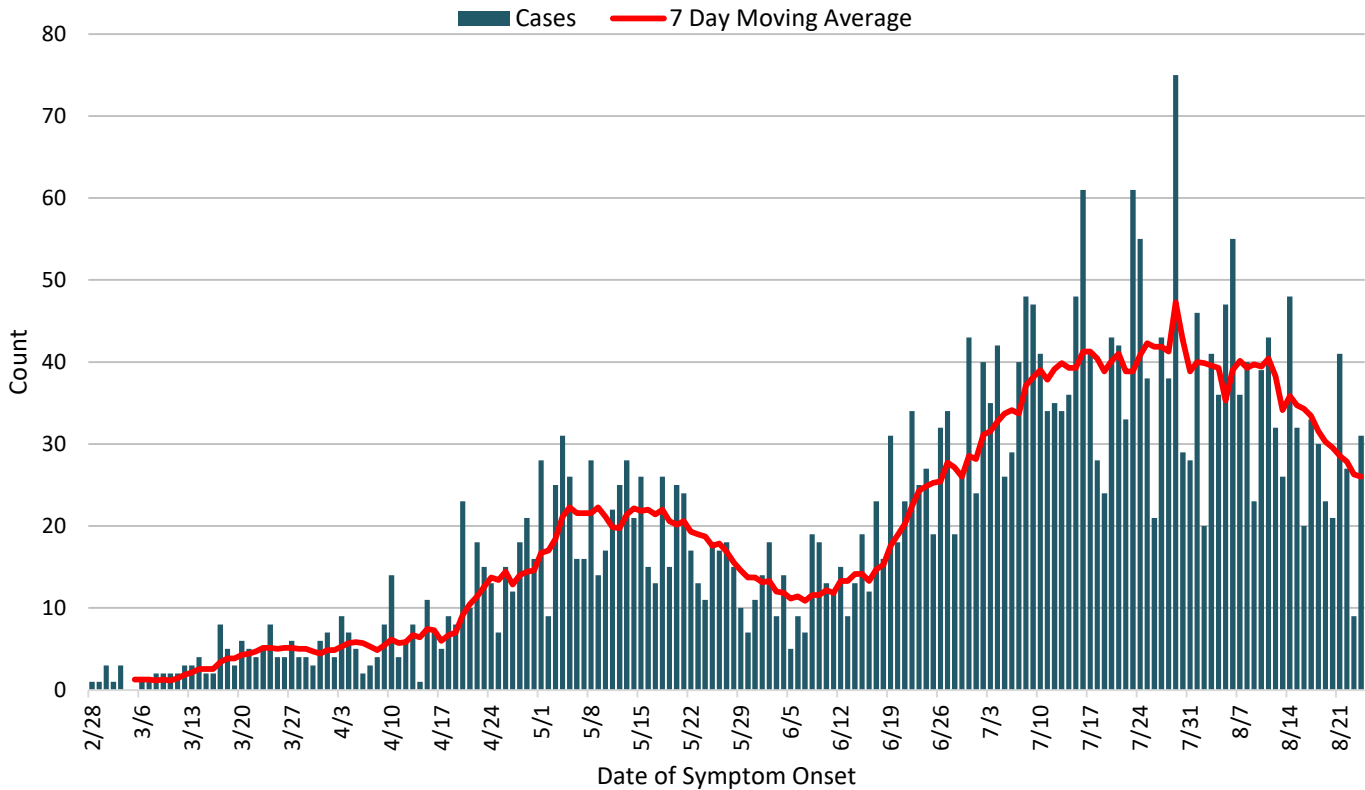


Figure 1 shows the daily incidence (new cases) by date of symptom onset. Figure 2 shows the cumulative (total ongoing) case count. While last week’s report noted the possibility of an increase in cases by the moving average, more data showed that while it was still part of a larger downward trend. NOTE: Each case reported represents a unique individual that meets case definition. Duplicate tests are removed as are tests that are performed to verify infection status. **Each person is only counted once regardless of how many tests they take.** All confirmed cases are confirmed via PCR test. Serology (antibody or antigen tests) are considered probable cases and only if they also show symptoms or have an exposure to a confirmed case. **Persons getting antibody tests to check immunity status only are NOT included in the totals of cases or deaths.**

All figures show reported cases of COVID-19 in Butler County as of 1700 EDT 08/24/2020. 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 08/24/2020 at 1700 EDT.

Figure 2. Cumulative Cases Reported to Butler County by Date Reported*, 2020
(Confirmed and Probable)

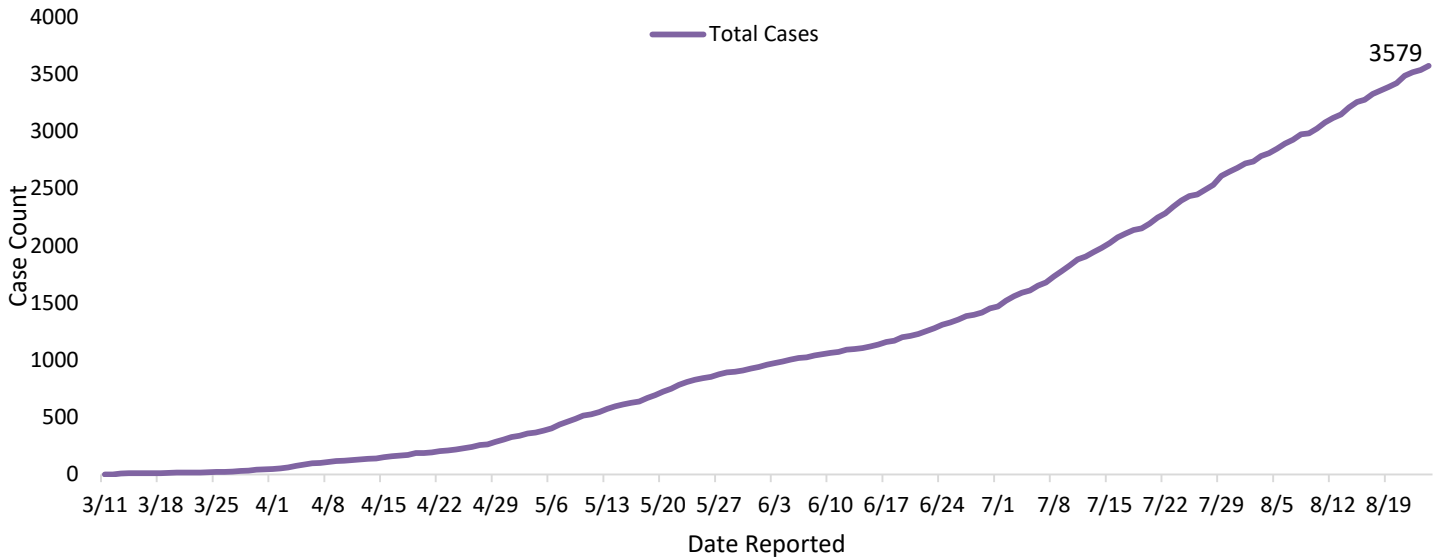
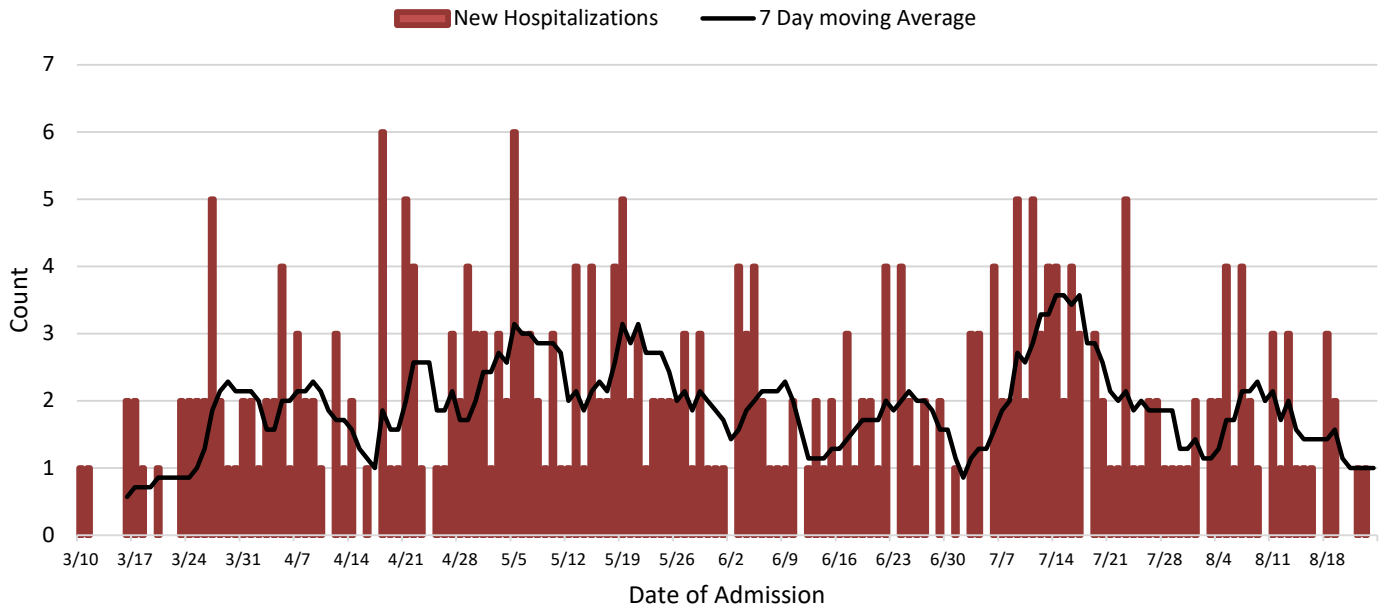


Figure 3. New Hospitalizations of Butler County Residents by Admission Date, 2020*



Hospitalizations have seen an encouraging trend over the past reporting periods as they continue to go down. This mirrors the decrease that we have been seeing in total cases overall. **Due to delays in reporting, and the time it takes for illness to become severe enough to require hospitalization, it is too early to tell whether this trend will continue.** Figure 8 also shows an increase in low-risk cases being reported. **This is not a hospitalization bed/ICU usage analysis.** These are only Butler County residents in hospitals which may be outside of Butler County, and do not include the residents of other counties hospitalized in Butler County. There are 22 admissions for which the date of admission is not available.

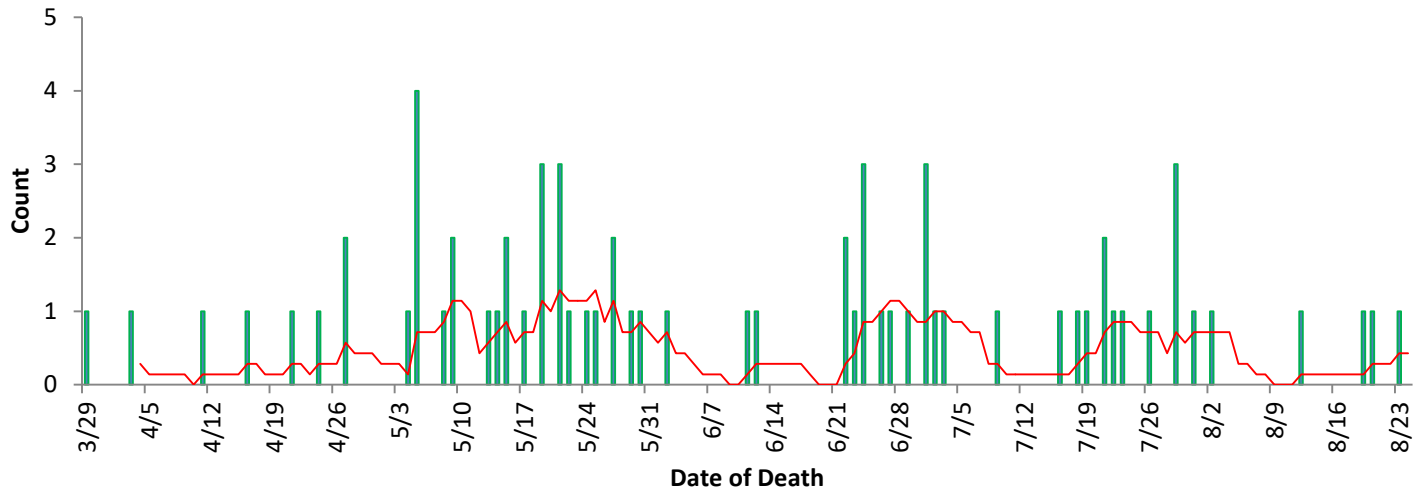
All figures show reported cases of COVID-19 in Butler County as of 1700 EDT 08/24/2020. Due to delays in reporting, the numbers of confirmed and probable cases on Figure 1 are subject to change between reports and confirmed and probable case counts are likely to increase. *This should not be assumed 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 08/24/2020 at 1700 EDT.

| Table 1. Death Statistics, 2020 | | |
|---------------------------------|--------|-------|
| | N | % |
| Confirmed Deaths | 69 | 1.9% |
| Age | | |
| Range | 30-101 | |
| Median | 75 | |
| Mean | 74.5 | |
| Race | | |
| NH White | 52 | 76.9% |
| NH Black | 13 | 18.5% |
| Asian | 3 | 4.6% |
| Hispanic | 1 | 1.9% |
| High Risk** | | |
| High Risk** | 68 | 98.5% |
| Resides in Long-Term Care | 33 | 47.8% |

**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. The trend of deaths has mostly been consistent through July and August. 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.**

All figures show reported cases of COVID-19 in Butler County as of 1700 EDT 08/24/2020. 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 08/24/2020 at 1700 EDT.