Butler County General Health District
COVID-19 Update (3/30/2020)

Total Confirmed* COVID-19 Cases
Butler County Residents, 2020

Total # of Confirmed Cases: 31*
Total Number of Deaths: 0
First Case Reported: 3/13/2020
Last Case Reported (so far): 3/30/2020
Age Range: 1-81
Median Age: 55
Average Age: 52.7
High Risk: 13
Healthcare/first responders: 2 (6.5%)
Hospitalizations: 10 (100% High Risk)
Incidence Rate: 8 per 100,000

Figure 1. Butler County Laboratory Confirmed Cases by Symptom Onset Date
Butler County Residents, 2020

All Figures show all confirmed COVID-19 cases in Butler County as of 1200 EDT 03/30/2020. Due to delays in reporting, the numbers of confirmed cases on Figure 1 are subject to change between reports and confirmed 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 AND verified by the Ohio Department of Health.

*Data is provisional – only confirmed 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 03/30/2020 at 1200 EDT.
### Total Confirmed* COVID-19 Cases
Butler County Residents, 2020
(as of 1200 EDT 03/30/2020)

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#### Table 1: Total Confirmed-Cases by Municipality or Township

<table>
<thead>
<tr>
<th>City/Township</th>
<th>Number of Cases</th>
<th>% of Confirmed Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>West Chester</td>
<td>10</td>
<td>32.3%</td>
</tr>
<tr>
<td>Liberty Township</td>
<td>9</td>
<td>29.0%</td>
</tr>
<tr>
<td>Fairfield City</td>
<td>3</td>
<td>9.7%</td>
</tr>
<tr>
<td>Oxford</td>
<td>3</td>
<td>9.7%</td>
</tr>
<tr>
<td>Middletown City</td>
<td>2</td>
<td>6.5%</td>
</tr>
<tr>
<td>Hamilton City</td>
<td>2</td>
<td>6.5%</td>
</tr>
<tr>
<td>Fairfield Township</td>
<td>1</td>
<td>3.2%</td>
</tr>
<tr>
<td>Okeana</td>
<td>1</td>
<td>3.2%</td>
</tr>
<tr>
<td>Butler County (inclusive)</td>
<td>19</td>
<td>100%</td>
</tr>
</tbody>
</table>

#### Table 2. Confirmed Tests by Laboratory Type

<table>
<thead>
<tr>
<th>Ohio Department of Health Laboratory</th>
<th>Private Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>22</td>
</tr>
</tbody>
</table>

#### Table 3. Cases Recovered in Butler County**

<table>
<thead>
<tr>
<th>Cases Recovered</th>
<th>Range (length until recovery in days)</th>
<th>Median (length until recovery in days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>11-24</td>
<td>17</td>
</tr>
</tbody>
</table>

#### Table 4. Laboratory Statistics of Collection

<table>
<thead>
<tr>
<th>Positive Lab Tests</th>
<th>Range (length until results in days)</th>
<th>Median (length until results in days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>0-10</td>
<td>3.5</td>
</tr>
</tbody>
</table>

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**Figure 2. Confirmed Cases by Sex**

Butler County Residents, 2020

- Male: 16 (52%)
- Female: 15 (48%)

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**Figure 3. Total Confirmed Cases by Age Group**

Butler County Residents, 2020

- <20: 3% (Not Hospitalized: 3%, Hospitalized: 0%)
- 20-34: 13% (Not Hospitalized: 13%, Hospitalized: 0%)
- 35-49: 23% (Not Hospitalized: 23%, Hospitalized: 0%)
- 50-64: 29% (Not Hospitalized: 29%, Hospitalized: 0%)
- 65+: 32% (Not Hospitalized: 0%, Hospitalized: 32%)

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*All Figures* show all confirmed COVID-19 cases in Butler County as of 1200 EDT 03/30/2020. Due to delays in reporting, the numbers of confirmed cases on Figure 1 are subject to change between reports and confirmed 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 AND verified by the Ohio Department of Health.

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**Recovery is based on the recommendations by the Centers for Disease Control and Prevention (CDC) which recommend the lifting of home isolation after a minimum of 7 days after the onset of symptoms and 72 hours with the resolution of fever without medication and the marked improvement of all symptoms. This should not be assumed to be the total amount of individuals in the county of have developed COVID-19 and recovered, only those who have been laboratory confirmed.

The current criteria for testing in the Ohio Department of Health’s laboratory is the following:

- Patient has fever and signs/symptoms of lower respiratory illness, (e.g., cough or shortness of breath) AND is either a healthcare worker with direct patient care or in a public safety occupation (e.g., law enforcement, fire fighter, EMS) AND has had close contact with laboratory-confirmed COVID-19 patient with 14 days of symptom onset.
- Patient has fever and signs/symptoms of lower respiratory illness, (e.g., cough or shortness of breath) AND is a resident of a long-term care facility (LTCF) AND is hospitalized.
- Patient has fever with severe acute lower respiratory illness (e.g., pneumonia, ARDS as evidenced by imaging) AND is hospitalized AND the healthcare provider has a high clinical suspicion of COVID-19 after thorough evaluation (i.e., no alternative plausible diagnosis).
- Other special circumstances where there is a requirement for prompt receipt of results such as patients involved in an illness cluster in a facility group (e.g., healthcare, corrections).

### Table 5. Confirmed cases by exposure type

<table>
<thead>
<tr>
<th>Community</th>
<th>Contact with known case</th>
<th>Travel Associated</th>
<th>Under investigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>11</td>
<td>5</td>
<td>3</td>
</tr>
</tbody>
</table>

**Note:** Recovery is based on the recommendations by the Centers for Disease Control and Prevention (CDC) which recommend the lifting of home isolation after a minimum of 7 days after the onset of symptoms and 72 hours with the resolution of fever without medication and the marked improvement of all symptoms. This should not be assumed to be the total amount of individuals in the county of have developed COVID-19 and recovered, only those who have been laboratory confirmed.

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