Butler County General Health District
COVID-19 Update (3/25/2020)

COVID-19 Cases*
Butler County Residents, 2020

Total # of Confirmed Cases: 19*
Total Number of Deaths: 0
First Case Reported: 3/13/2020
Last Case Reported (so far): 3/25/2020
Age Range: 1-78
Median Age: 42
Average Age: 46.2
High Risk: 7
Hospitalizations: 4 (100% High Risk)
Incidence Rate: 5 per 100,000

*All figures and data show all “confirmed” COVID-19 cases in Butler County as of 1200 EDT 03/25/2020. This should not be assumed to be the total disease burden in Butler County. These are only those that have been laboratory confirmed by public or private laboratories. 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.

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Total Confirmed* COVID-19 Cases – Demographic Information
Butler County Residents, 2020
(as of 1200 EDT 03/25/2020)

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>Liberty Township</td>
<td>9</td>
<td>47.4%</td>
</tr>
<tr>
<td>West Chester</td>
<td>6</td>
<td>31.6%</td>
</tr>
<tr>
<td>Fairfield City</td>
<td>1</td>
<td>5.3%</td>
</tr>
<tr>
<td>Fairfield Township</td>
<td>1</td>
<td>5.3%</td>
</tr>
<tr>
<td>Middletown City</td>
<td>1</td>
<td>5.3%</td>
</tr>
<tr>
<td>Hamilton City</td>
<td>1</td>
<td>5.3%</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>Laboratory Type</th>
<th>Number of Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohio Department of Health Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>Private Laboratory</td>
<td>14</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>8</td>
<td>11-24</td>
<td>16.5</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>19</td>
<td>0-12</td>
<td>6</td>
</tr>
</tbody>
</table>

Table 5. Confirmed cases by exposure type

<table>
<thead>
<tr>
<th>Contact with Known Case</th>
<th>Unknown</th>
<th>Community Transmissin</th>
<th>Travel-associated</th>
<th>Under investigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**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 as follows:

- 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).

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**Figure 3. Confirmed Cases of COVID-19 by Sex**

Butler County Residents, 2020

![Pie chart showing 10 (53%) Male and 9 (47%) Female](image)

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**Figure 4. Total Confirmed Cases by Age Group**

Butler County Residents, 2020

![Bar chart showing Age Group distribution with 5% <18, 5% 18-24, 16% 25-34, 26% 35-49, 21% 50-65, and 26% 65+](image)

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**Figure 5. Confirmed Cases of COVID-19 by Hospitalization Requirement**

Butler County Residents, 2020

![Bar chart showing 78.9% Not Hospitalized and 21.1% Hospitalized](image)

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**Figure 6. Confirmed COVID-19 Cases by Risk**

Butler County Residents, 2020

![Bar chart showing 21.1% High Risk and 78.9% Low Risk](image)

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*High risk status does not necessarily make one more susceptible to transmission, but does increase the likelihood of a more severe illness.*