

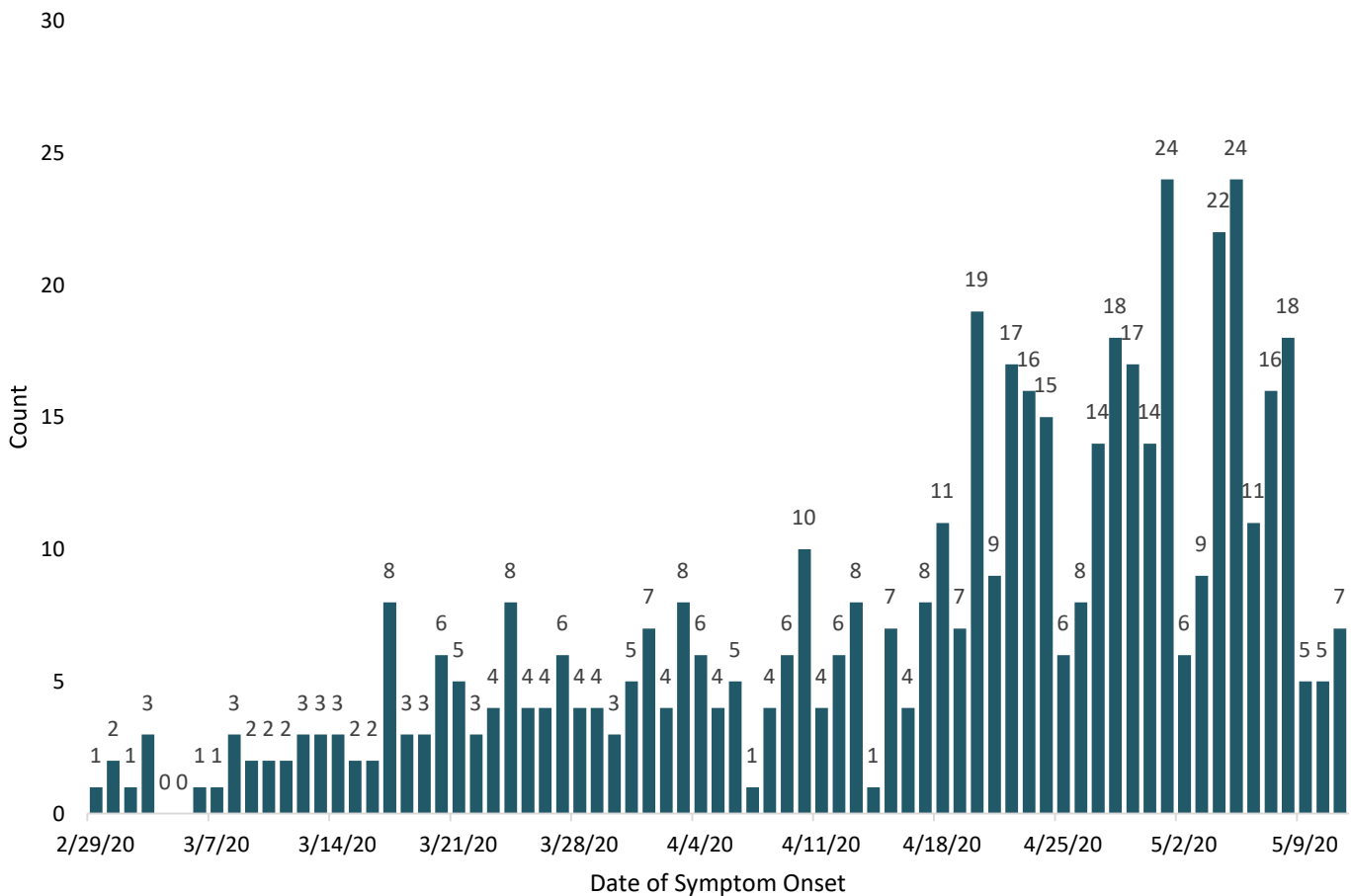
Butler County General Health District COVID-19 Update (05/12/2020)

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

Butler County Residents, 2020

Total # of Cases*:	512*
Total Number of Deaths (05/12):	14
First Case Reported:	3/11/2020
Last Case Reported (so far):	5/12/2020
Confirmed Cases:	504
Probable Cases:	8
Age Range:	<1-101
Median Age:	47
Mean Age:	47.59
Incidence Rate:	133.9 per 100,000

Figure 1: Cases Reported to Butler County by Symptom Onset Date*



All figures show reported cases of COVID-19 in Butler County as of 1700 EDT 05/12/2020. 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 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 05/12/2020 at 0900 EDT.

Figure 2. Cumulative Cases Reported to Butler County by Date Reported*

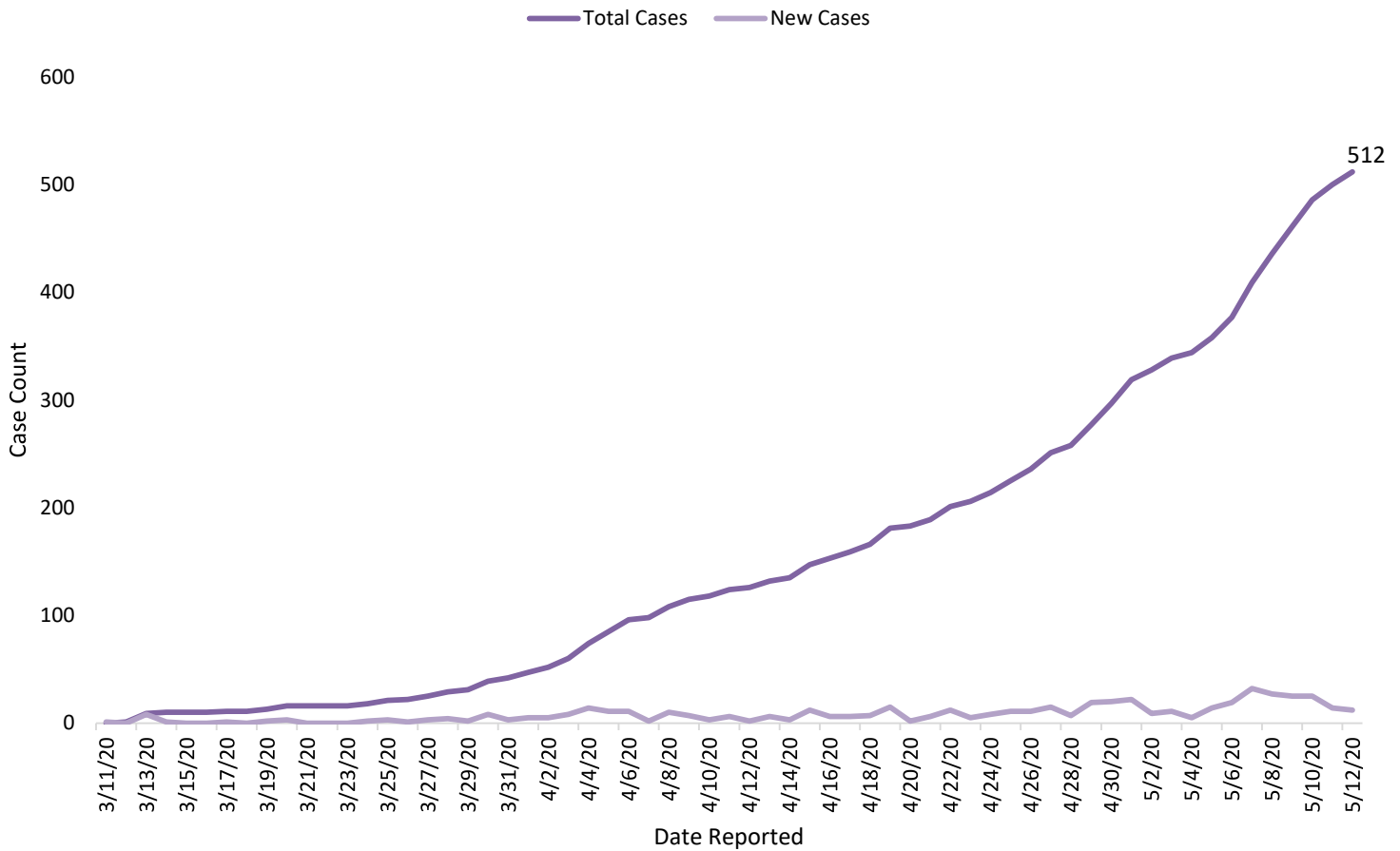
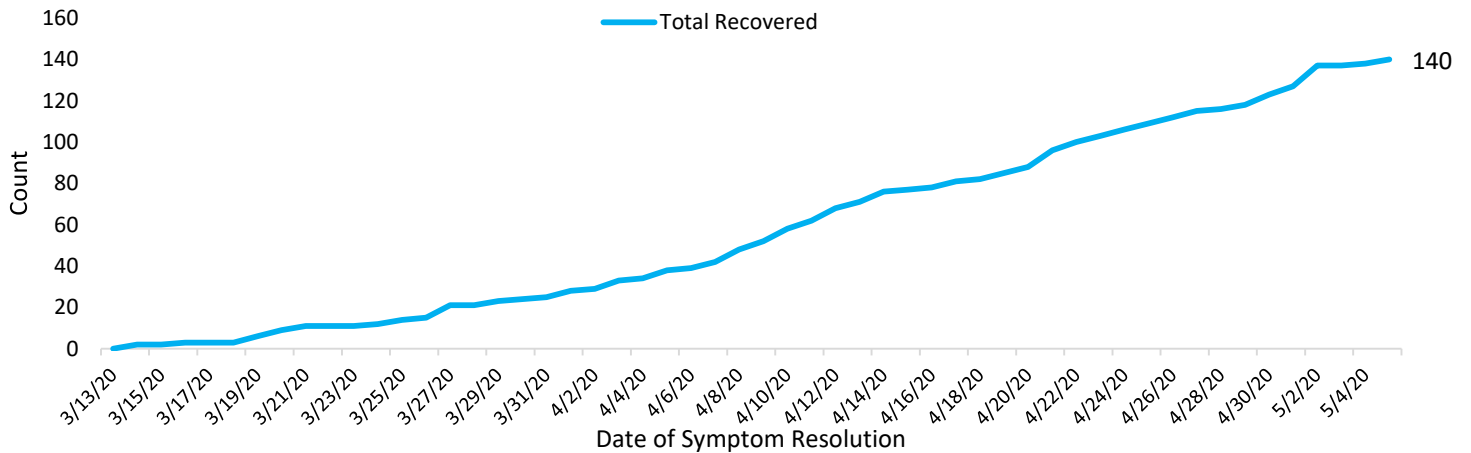


Figure 3. Known Recovered Cases in Butler county**



**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.

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Demographics of COVID-19 Cases Reported to Butler County

Butler County Residents, 2020
(as of 1600 EDT 05/12/2020)

Table 1: Total Reported* Cases by ZIP Code			
ZIP Code	Number of Cases	Rate per 100,000	% of Confirmed Cases
45014	139	189.0	27.1%
45011	116	116.3	22.7%
45044	56	92.8	10.9%
45069	64	97.8	12.5%
45013	37	51.3	7.2%
45042	25	79.4	4.9%
45015	27	132.9	5.3%
45056	17	51.8	3.3%
45050	9	58.5	1.8%
45067	6	36.0	1.2%
45246	5	-	1.2%
45241	4	-	0.8%
45053	3	58.5	0.6%
45003	1	-	0.2%
45005	1	-	0.2%
Butler County (inclusive)	510		99.4%

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. Two cases haveno recorded address.

Table 2. Exposure Type						
Community	Healthcare Exposure	First Response	Household contact	Travel associated	Congregate setting	Workplace
308	81	6	60	11	14	32

Table 3. Clusters in Butler County		
Cluster Associated Cases	135	26.4%
Cluster Association	Cases	% of Clustered Cases
Household/Family	72	53.3%
Healthcare	29	21.5%
Workplace	24	17.8%
Congregate setting	8	5.9%
First Response	2	1.5%

There may seem to be discrepancies between the exposure type and the clusters in Butler County. There are a number of reasons for this. The first is that an exposure is not the same as a cluster. There may be individuals who have had direct contact with their family members, but do not have their own cluster. There are also might be individuals who have a different exposure type. For example, a healthcare worker may have a healthcare exposure, and if their family gets sick they would be considered a healthcare exposure but also part of a household/family cluster. Another example would be first responders. Only 2 first responders who live in Butler County are part of a cluster, but there are 4 other first responders who have come down with the illness that did not spread to their coworkers.

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Figure 4. Confirmed Cases of Covid-19 by Sex*
Butler County Residents, 2020

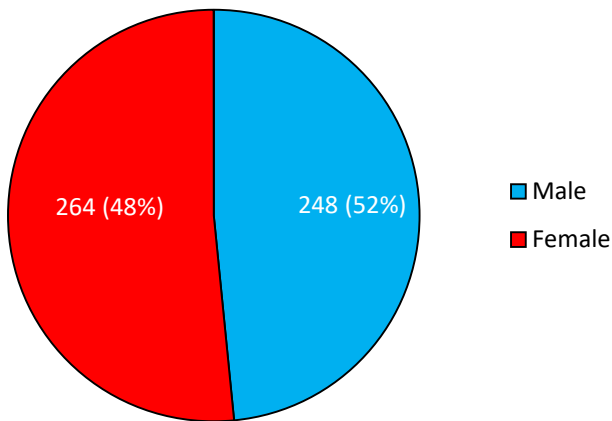


Figure 5. Reported Confirmed Cases by Age Group*
Butler County Residents, 2020

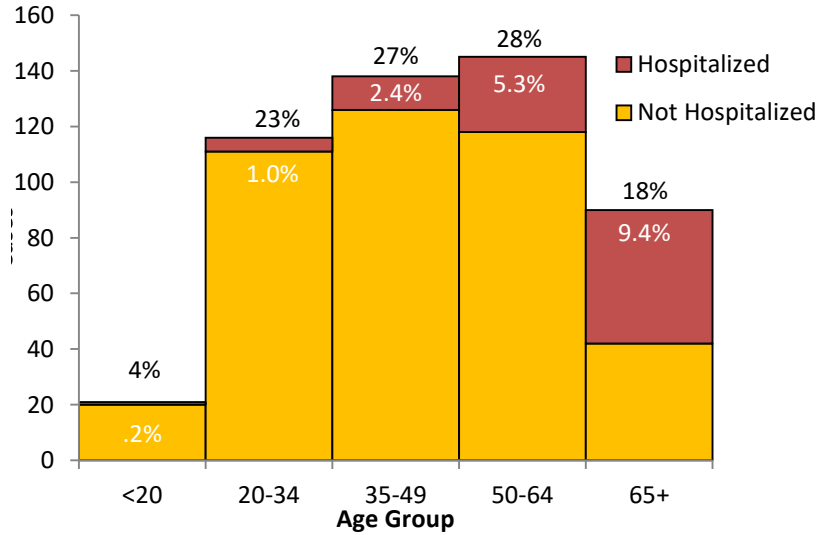
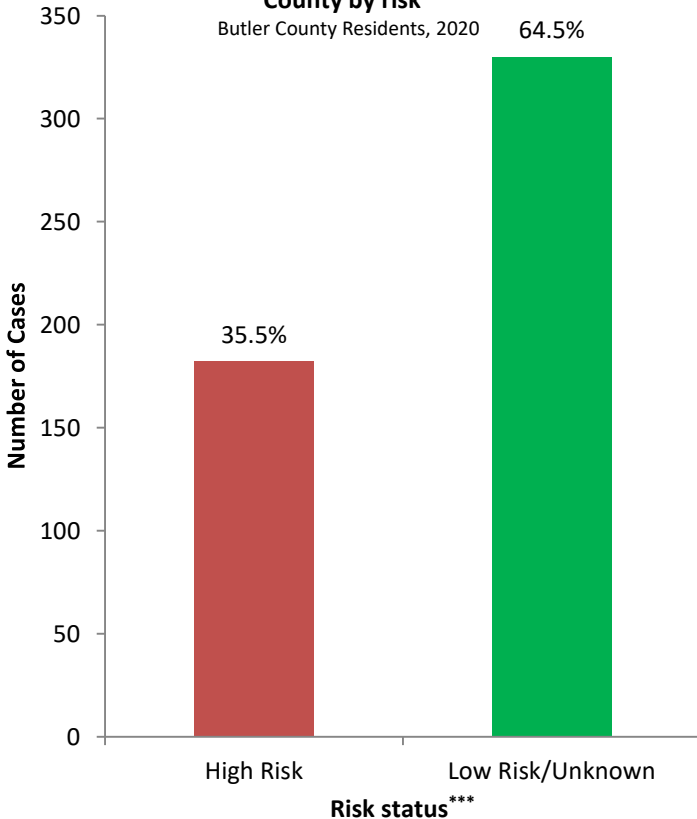


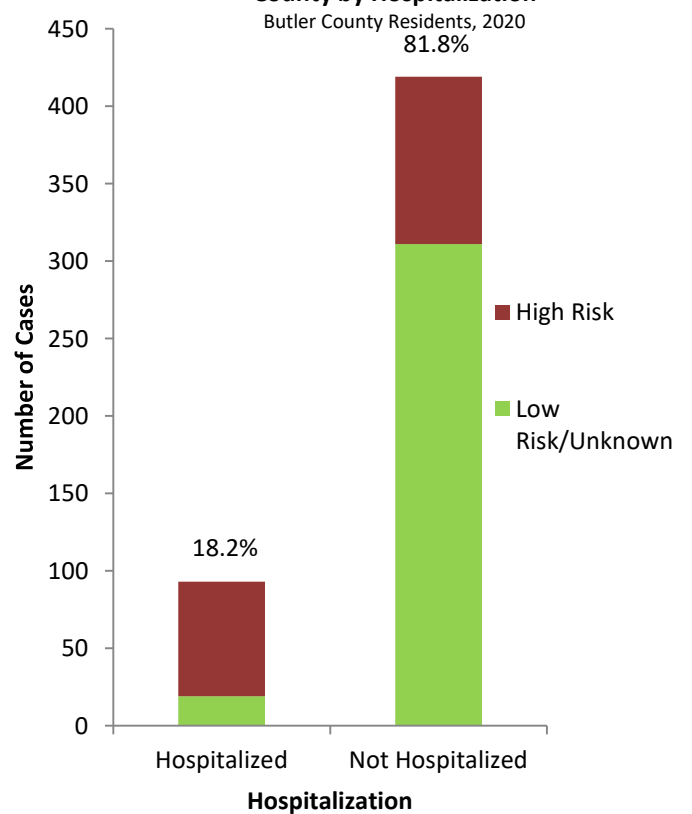
Figure 6. COVID-19 Cases Reported to Butler County by risk*
Butler County Residents, 2020



(Underlying Health Conditions or Older than 65)

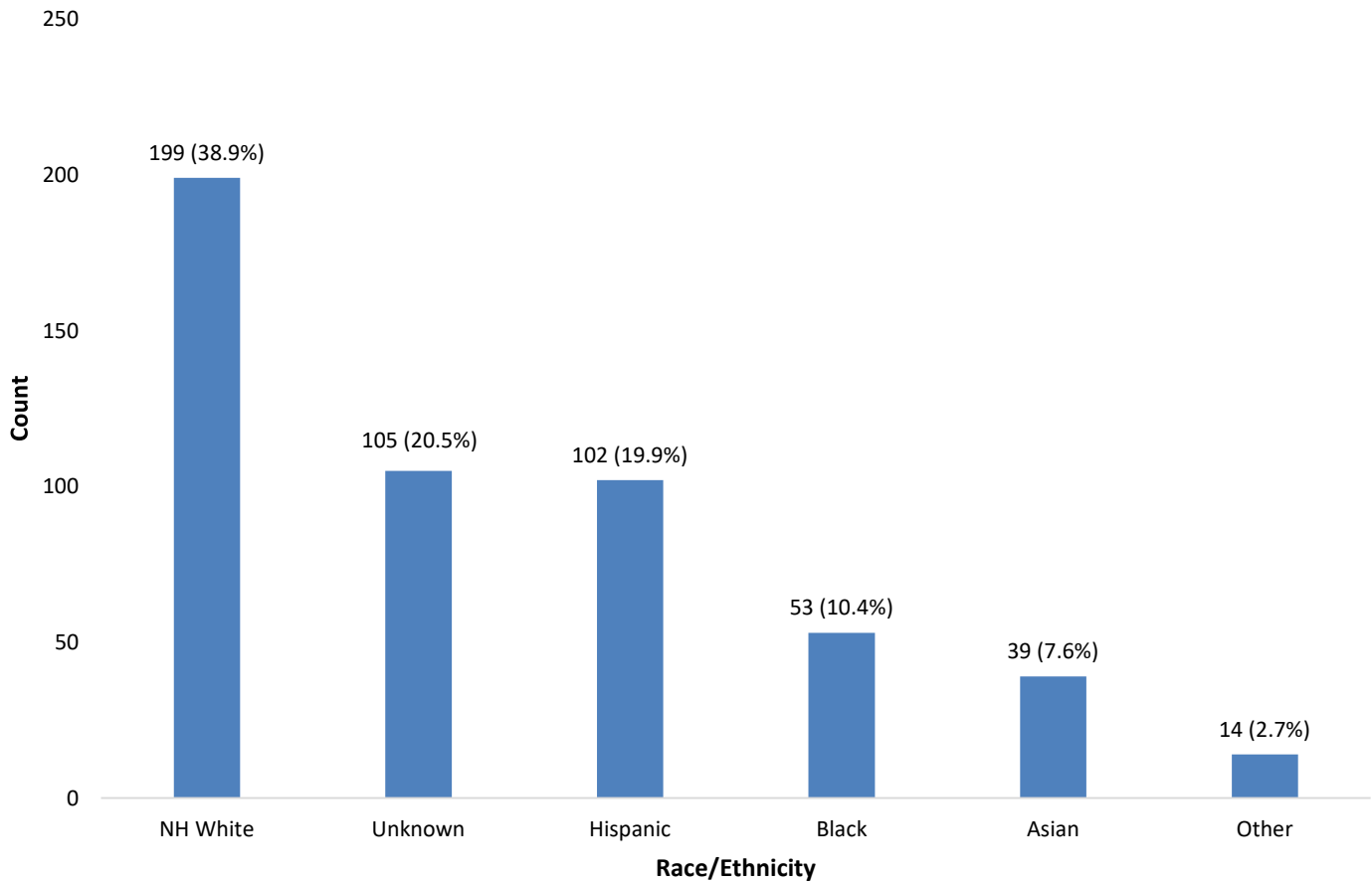
***High risk status does not necessarily make one more susceptible to transmission, but does increase the likelihood of a more severe illness

Figure 7. COVID-19 Cases Reported to Butler County by Hospitalization
Butler County Residents, 2020



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Figure 8. Cases Reported to Butler County by Race/Ethnicity



Clinical Statistics for Reported Butler County Cases

Butler County Residents, 2020
(as of 1600 EDT 05/12/2020)

Table 4. Laboratory Statistics				
	Overall	Private Laboratories	Hospital Laboratories	Public Laboratories
Confirmatory Tests	504	329	148	23
Range (in days)	<1-27	<1-27	<1-5	1-4
Median (in days)	2	2	1	1

Table 5. Hospitalization Statistics			
	N	Percentage of Hospitalized Cases	Percentage of all cases
Total Hospitalized	93	100%	18.2%
Cases with information	89	95.7%	17.4%
Currently Hospitalized	29	31.9%	5.7%
Admitted to Intensive Care Unit (ICU)	16	17.2%	3.1%
Required intubation	13	14.0%	2.5%
Range of Length of Stay (in days)	<1-35	-	-
Median Length of Stay (in days)	7	-	-

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Table 6. Symptoms Reported		
	N	Percentage
Cases with Information	369	100%
Cough	260	70.5%
Fever	230	62.3%
Myalgia	171	46.3%
Shortness of Breath	163	44.2%
Headache	148	40.1%
Chills	121	32.8%
Runny Nose	92	24.9%
Sore Throat	82	22.2%
Nausea	63	17.0%
Diarrhea	57	15.4%
Abdominal Pain	35	9.5%
Asymptomatic	27	7.3%

Table 7. Recovery** Statistics		
	N	Percentage
Cases Recovered	179	35.0%
Cases with Information	144	28.1%
Range from illness onset to recovery (in days)	7-51	-
Median time from illness onset to recovery (in days)	13	-

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State of Ohio*:

Confirmed and Probable Cases: 26,216

Age Range: <1-106

Median Age: 51

Sex F:M Ratio: 44:55

Hospitalizations: 4,219

Deaths: 1,523

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