

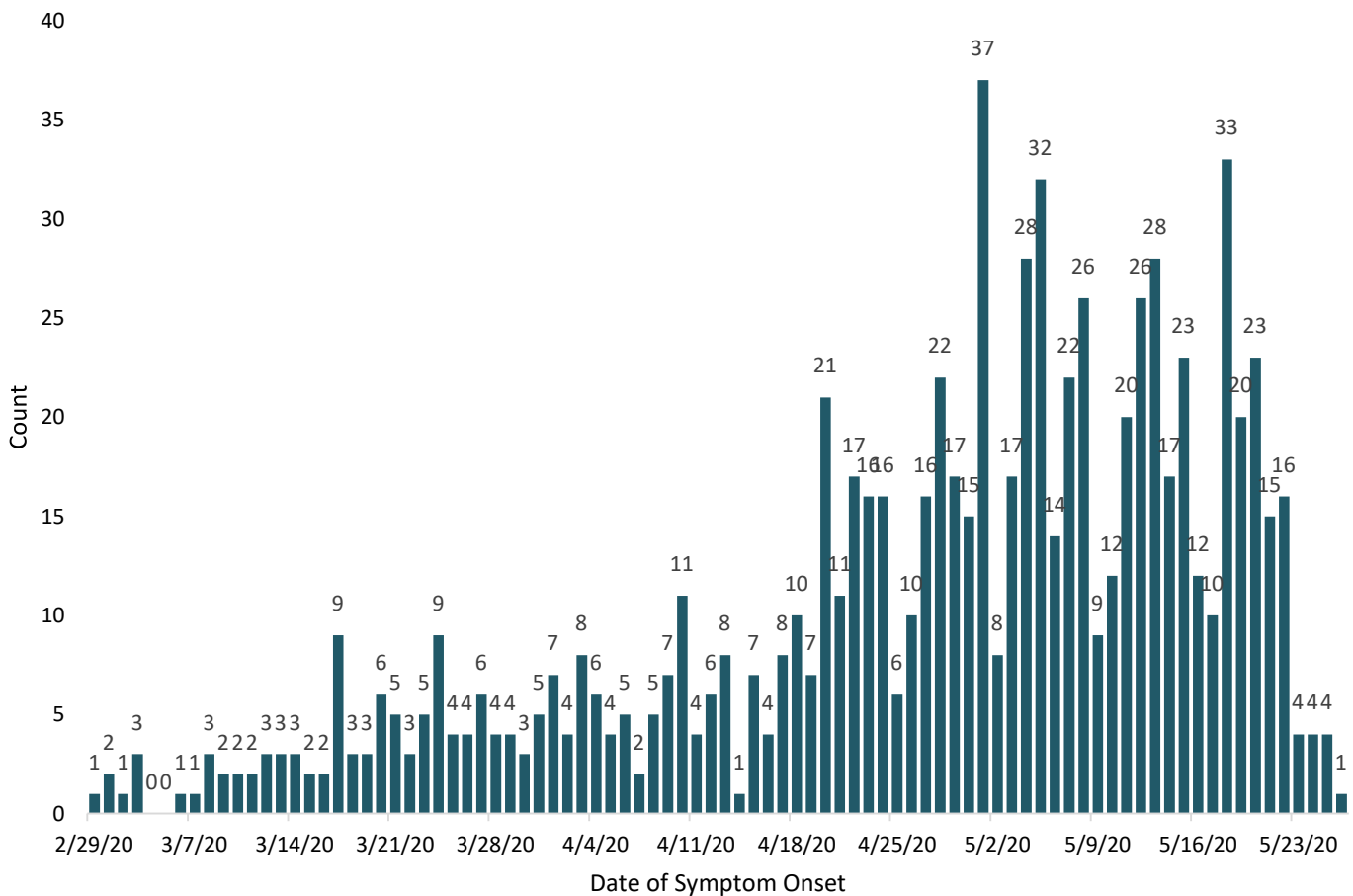
## Butler County General Health District COVID-19 Update (05/26/2020)

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

Butler County Residents, 2020

<b>Total # of Cases*:</b>	847*
<b>Confirmed Deaths (05/26):</b>	24
<b>First Case Reported:</b>	3/11/2020
<b>Last Case Reported (so far):</b>	5/26/2020
<b>Confirmed Cases:</b>	831
<b>Probable Cases:</b>	16
<b>Age Range:</b>	<1-101
<b>Median Age:</b>	44
<b>Mean Age:</b>	45.65
<b>Incidence Rate:</b>	221.5 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 05/26/2020. 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 05/26/2020 at 1700 EDT.

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

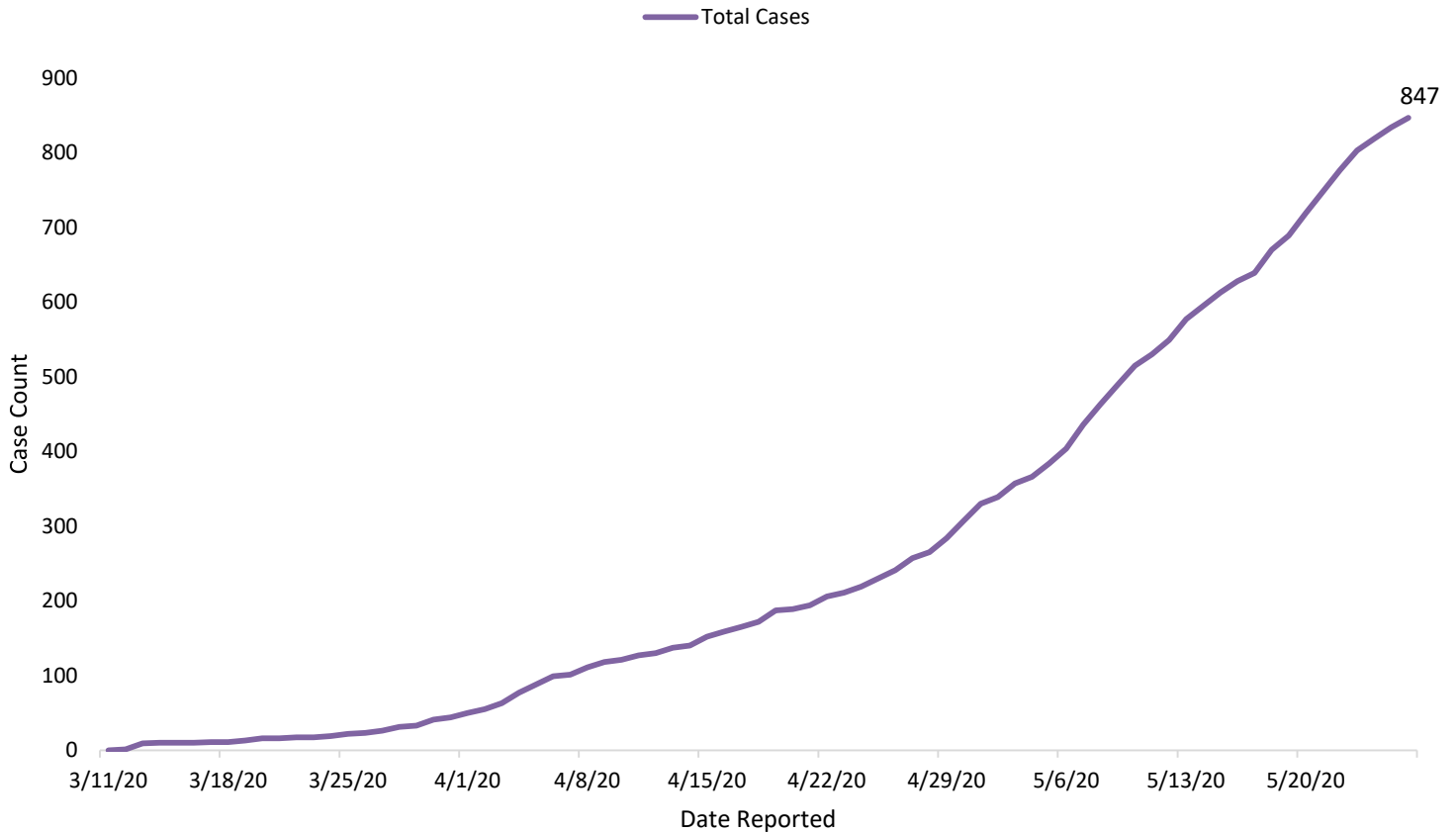
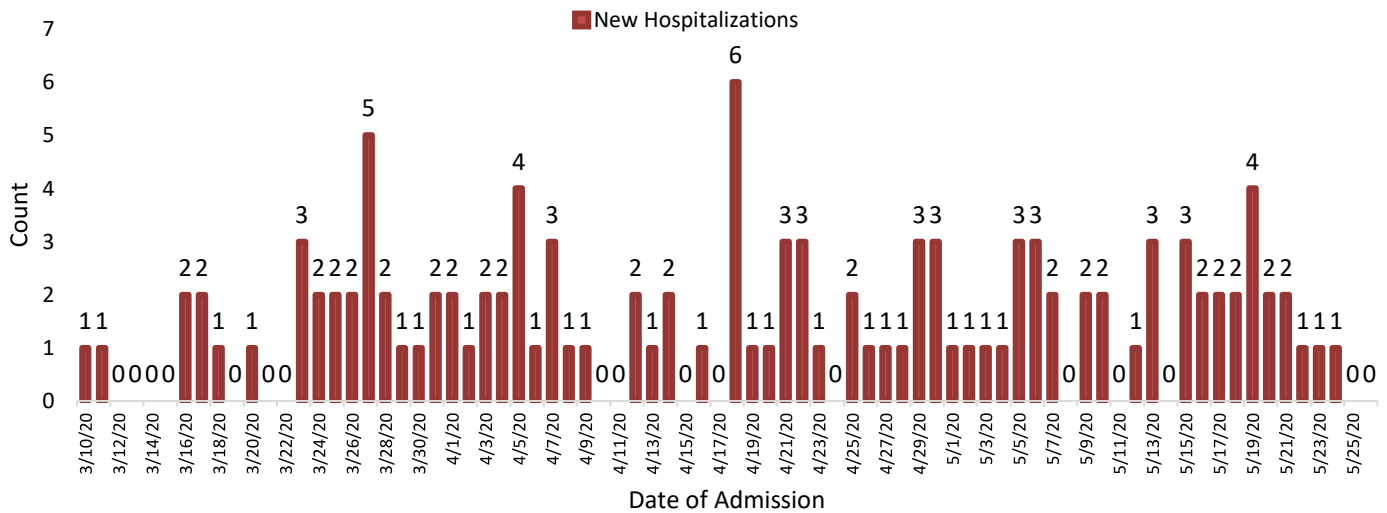


Figure 3. New Hospitalizations by Admission Date



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# Demographics of COVID-19 Cases Reported to Butler County

Butler County Residents, 2020

(as of 1700 EDT 05/26/2020)

Table 1: Total Reported* Cases by ZIP Code			
ZIP Code	Number of Cases	Rate per 100,000	% of Confirmed Cases
45014	227	516.9	26.8%
45011	182	261.2	21.5%
45044	109	222.2	12.9%
45069	104	196.9	12.3%
45013	63	119.7	7.4%
45042	40	332.3	4.7%
45015	32	121.0	3.8%
45056	22	81.4	2.6%
45050	14	163.8	1.7%
45067	14	100.7	1.7%
45246	13	-	1.5%
45241	11	-	1.3%
45053	3	87.7	0.4%
45003	1	-	0.1%
45005	1	-	0.1%
Butler County (inclusive)	836		98.7%

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. Eleven cases have no recorded address.

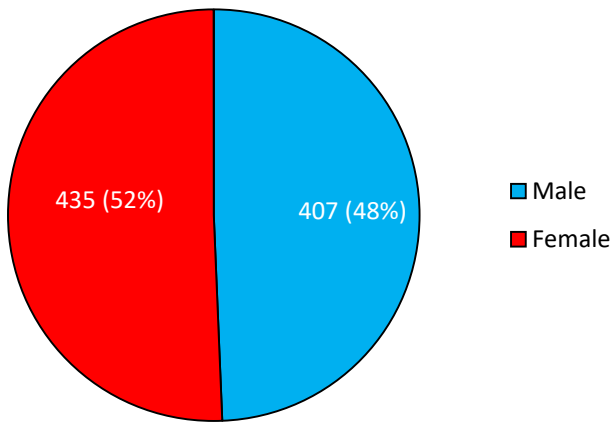
Table 2. Exposure Type						
Community	Healthcare Exposure	First Response	Household contact	Travel associated	Congregate living	Workplace
446	104	6	171	11	59	50

Table 3. Clusters in Butler County			
Cluster Associated Cases	Cases	% of Clustered Cases	
Cluster Association			
Household/Family	190	69.6%	
Congregate living	52	19.0%	
Workplace	29	10.6%	
First Response	2	1%	

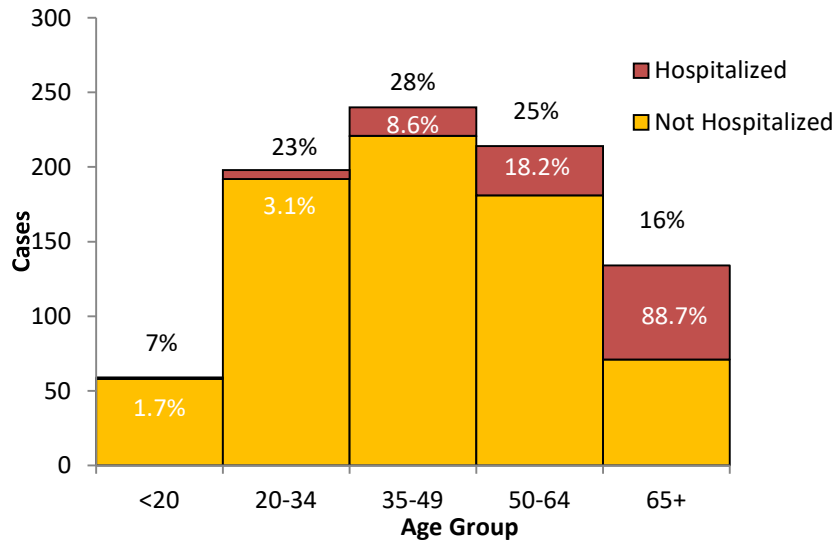
There may seem to be discrepancies between the exposure type and the clusters in Butler County. There are a number of reasons for this. The first is that an exposure is not the same as a cluster. There may be individuals who have had direct contact with their family members, but do not have their own 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. Some may be from clusters that are related to other jurisdictions.

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**Figure 4. Reported Confirmed Cases by Sex\***  
Butler County Residents, 2020

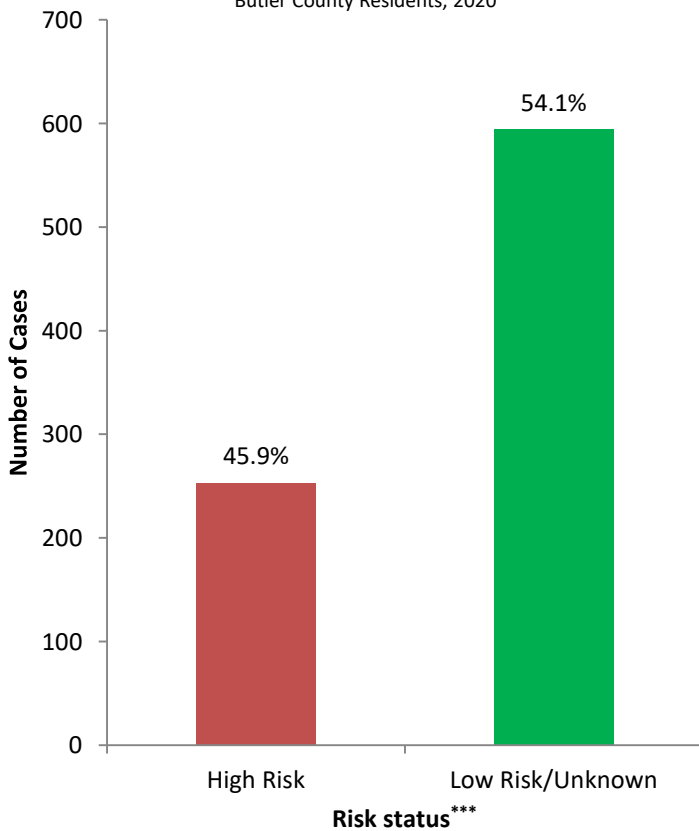


**Figure 5. Reported Confirmed Cases by Age Group\***  
Butler County Residents, 2020



Percent in white is percent of cases in age group hospitalized

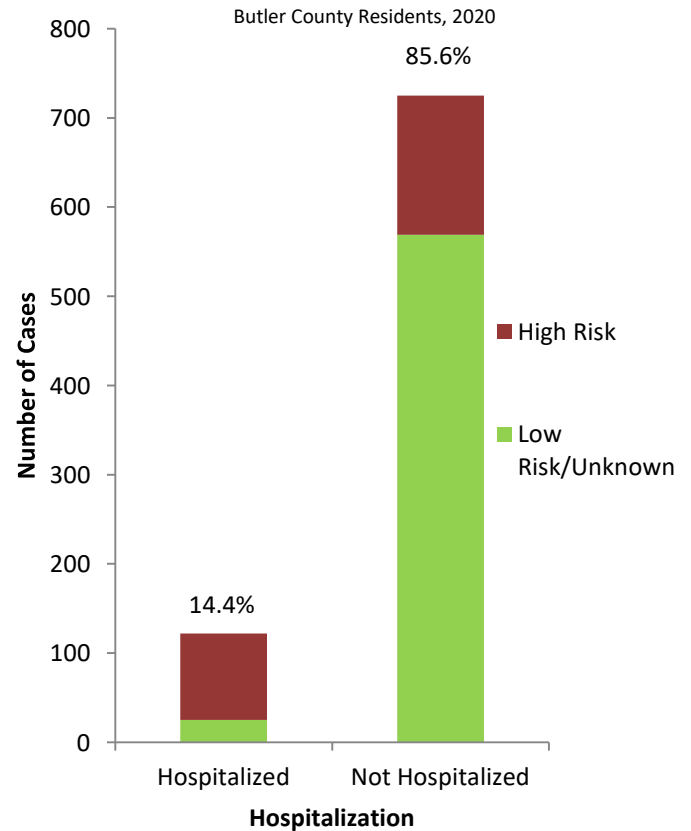
**Figure 6. Reported Confirmed Cases by Risk\***  
Butler County Residents, 2020



**(Underlying Health Conditions or Older than 65)**

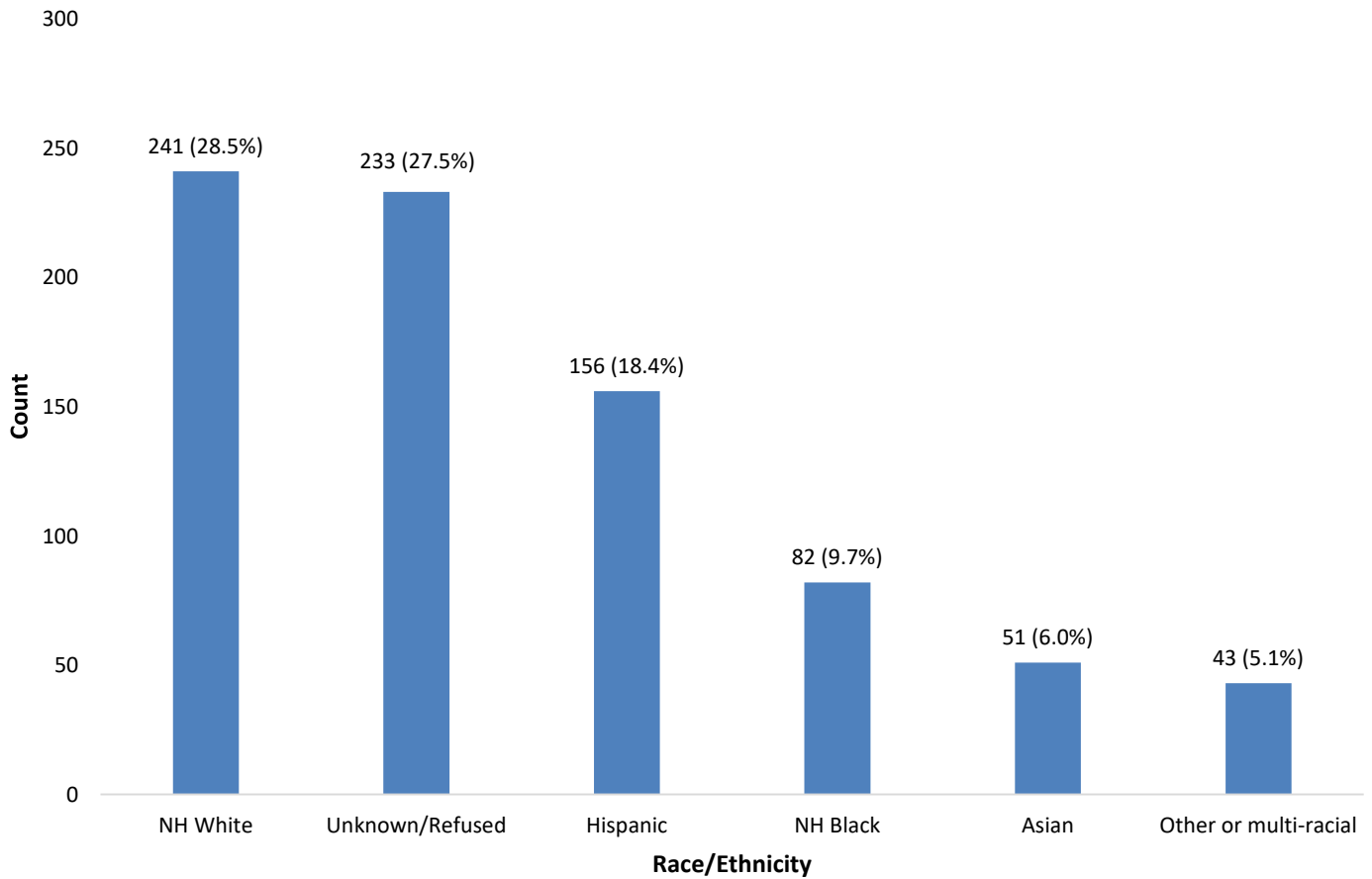
\*\*\*High risk status does not necessarily make one more susceptible to transmission, but does increase the likelihood of a more severe illness

**Figure 7. Reported confirmed Cases 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 1700 EDT 05/26/2020)

Table 4. Laboratory Statistics				
	Overall	Private Laboratories	Hospital Laboratories	Public Laboratories
Confirmatory Tests with information	801	539	241	21
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	122	100%	14.4%
Cases with information	117	95.9%	13.8%
Admitted to Intensive Care Unit (ICU)	18	14.7%	2.1%
Required intubation	14	11.5%	1.7%
Range of Length of Stay (in days)	<1-35	-	-
Median Length of Stay (in days)	7	-	-

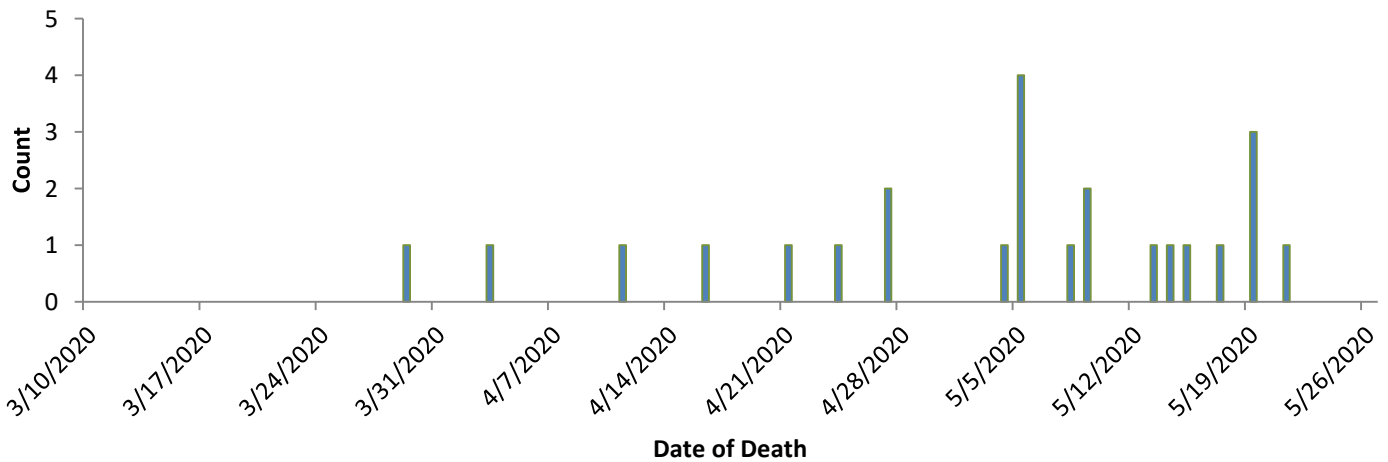
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Table 6. Symptoms Reported		
	N	Percentage
Cases with Information	479	100%
Cough	332	69.3%
Fever	294	61.4%
Myalgia	223	46.6%
Shortness of Breath	198	41.3%
Headache	187	39.0%
Chills	142	29.6%
Sore Throat	113	23.6%
Runny Nose	109	22.8%
Nausea	74	15.4%
Diarrhea	66	13.8%
Abdominal Pain	44	9.2%
Asymptomatic	41	8.6%

Table 7. Death Statistics		
	N	%
Confirmed Deaths	24	2.8%
<b>Age</b>		
	N	
Range	52-101	
Median	77.5	
Mean	77.8	
<b>Race</b>		
	N	%
NH White	18	75%
NH Black	4	16.7%
Asian	2	8.3%
<b>Risk Status</b>		
	N	%
High Risk**	24	100%

\*\*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 9. Confirmed COVID-19 Deaths by date of death**



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