

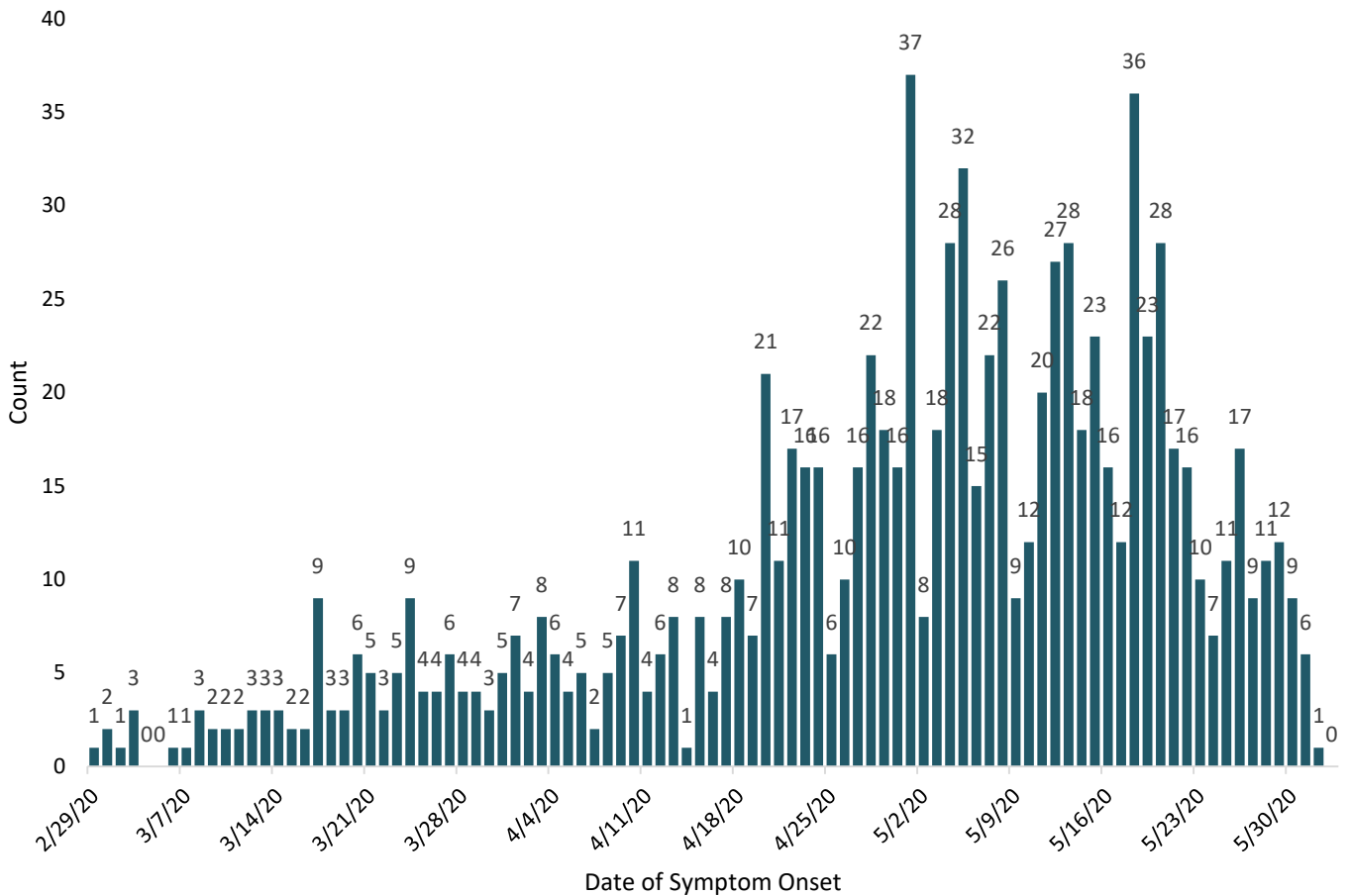
Butler County General Health District COVID-19 Update (06/02/2020)

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

Butler County Residents, 2020

Total # of Cases*:	953*
Confirmed Deaths (06/02):	29
First Case Reported:	3/11/2020
Last Case Reported (so far):	6/02/2020
Confirmed Cases:	933
Probable Cases:	20
Age Range:	<1-101
Median Age:	44
Mean Age:	45.04
Incidence Rate:	248.7 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 06/02/2020. 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 06/02/2020 at 1700 EDT.

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

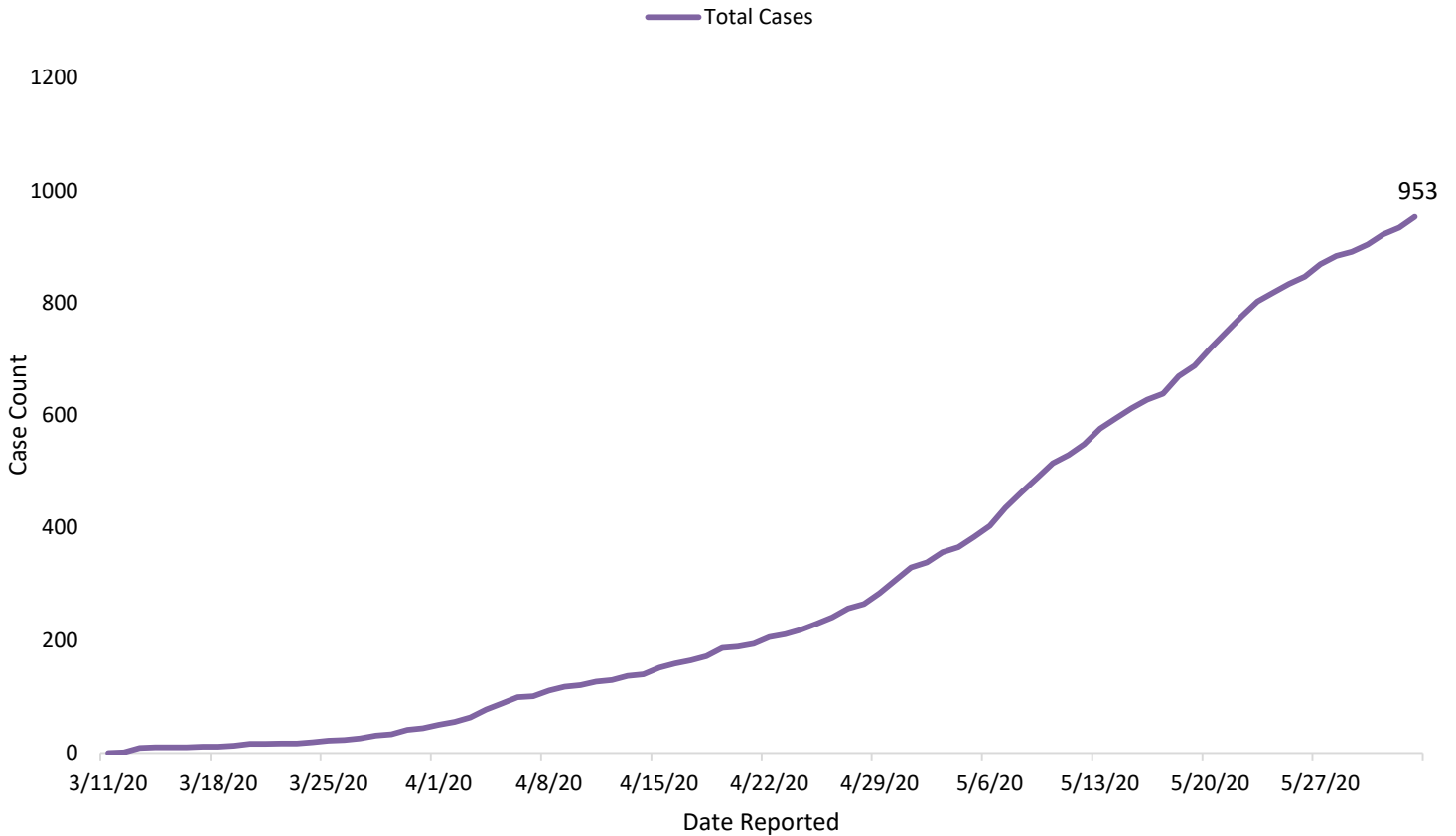
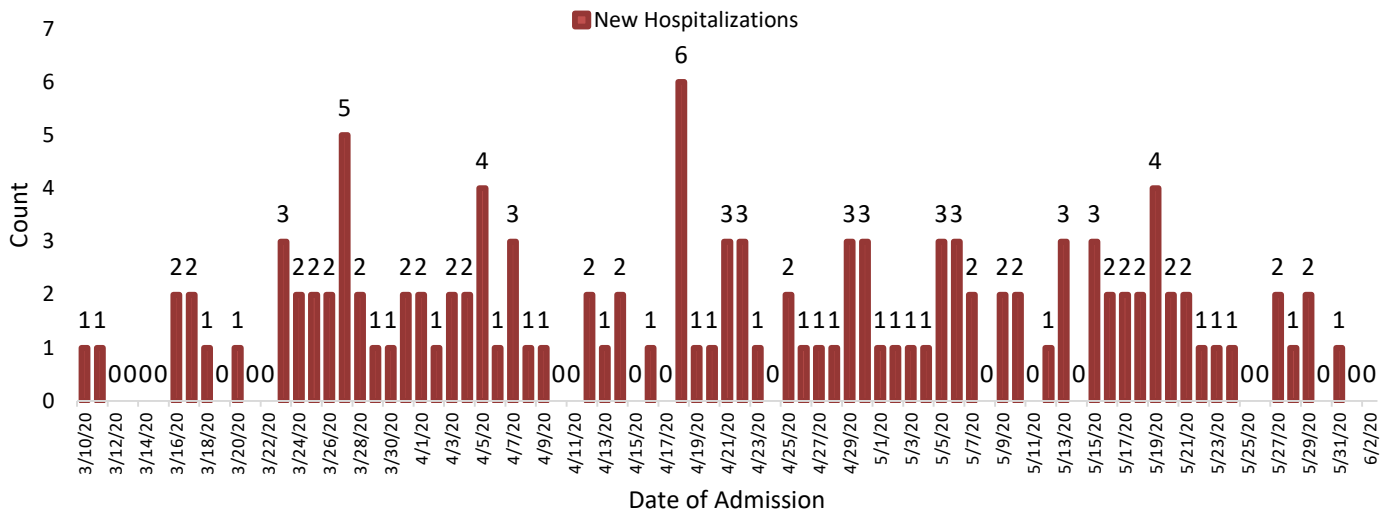


Figure 3. New Hospitalizations by Admission Date



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Demographics of COVID-19 Cases Reported to Butler County

Butler County Residents, 2020

(as of 1700 EDT 06/02/2020)

Table 1: Total Reported* Cases by ZIP Code			
ZIP Code	Number of Cases	Rate per 100,000	% of Confirmed Cases
45014	256	582.9	26.9%
45011	203	291.3	21.3%
45044	126	238.5	13.2%
45069	117	238.4	12.3%
45013	69	131.1	7.2%
45015	44	365.5	4.6%
45042	37	139.9	3.9%
45056	25	92.5	2.6%
45050	17	198.9	1.8%
45067	17	122.3	1.8%
45246	14	-	1.5%
45241	12	-	1.3%
45053	3	87.7	0.3%
45003	1	-	0.1%
45005	1	-	0.1%
Butler County (inclusive)	942		98.8%

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
496	107	6	206	11	75	52

Table 3. Clusters in Butler County		
Cluster Associated Cases	Cases	% of Clustered Cases
Household/Family	228	69.6%
Congregate living	70	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 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

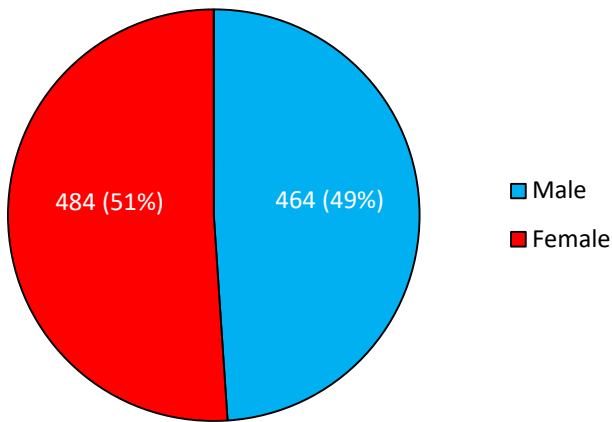
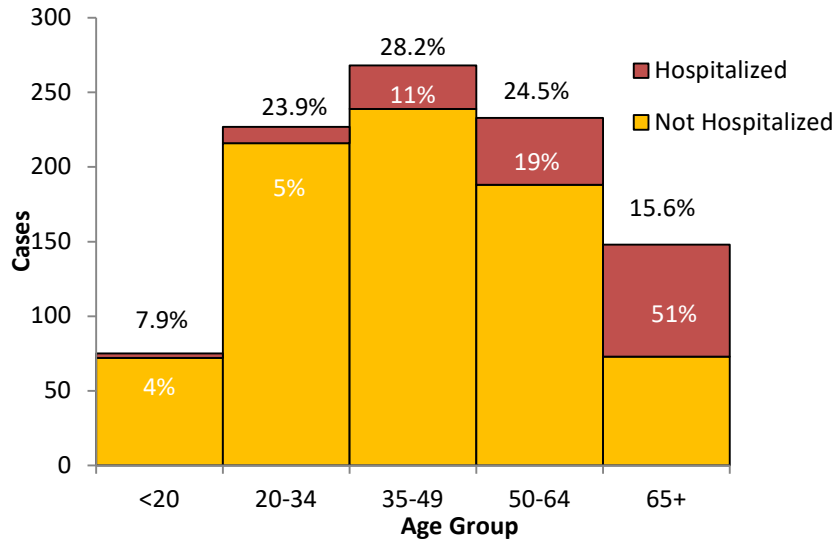
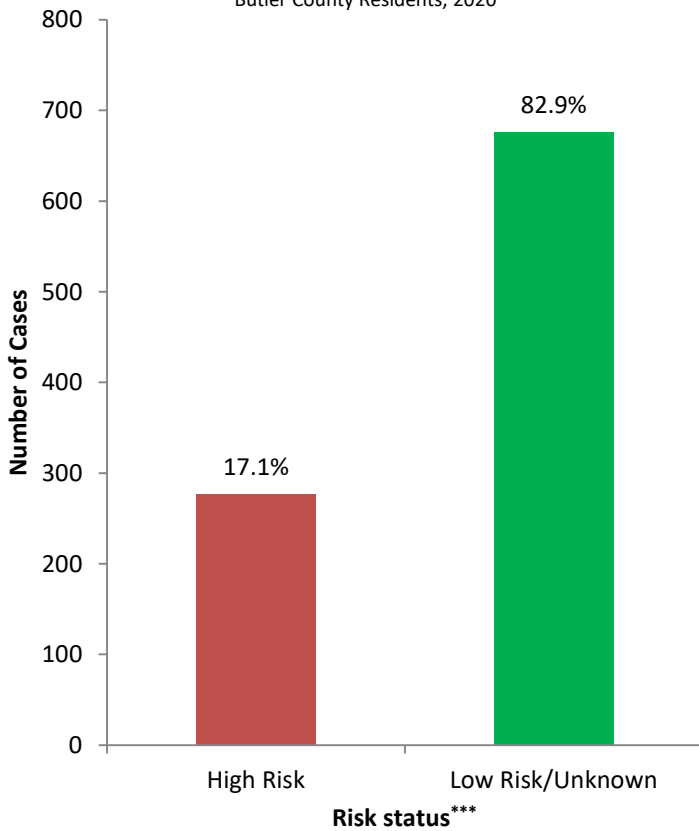


Figure 5. Reported Confirmed Cases by Age Group*
Butler County Residents, 2020



Percent in white is percent of cases in age group hospitalized

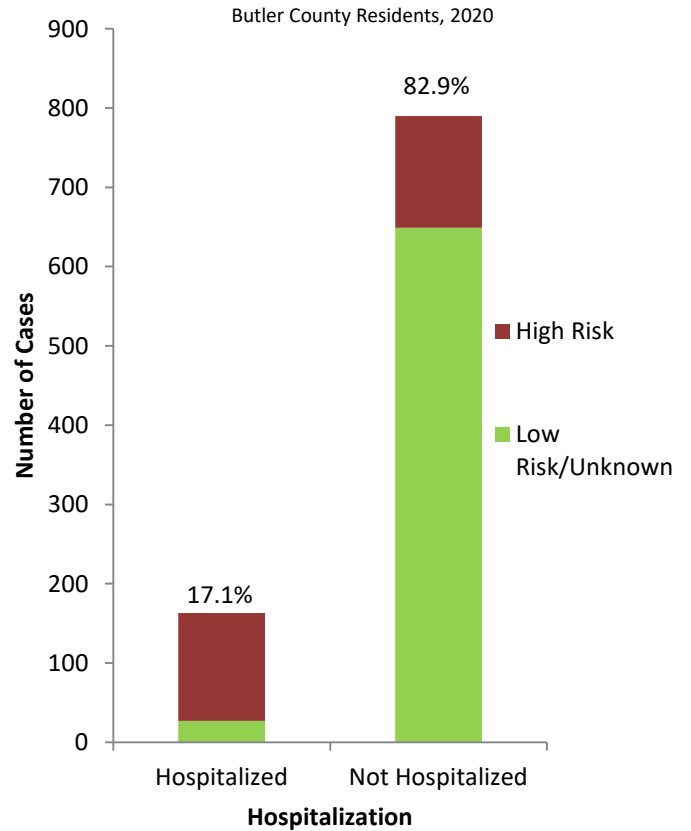
Figure 6. Reported Confirmed Cases by Risk*
Butler County Residents, 2020



(Underlying Health Conditions or Older than 65)

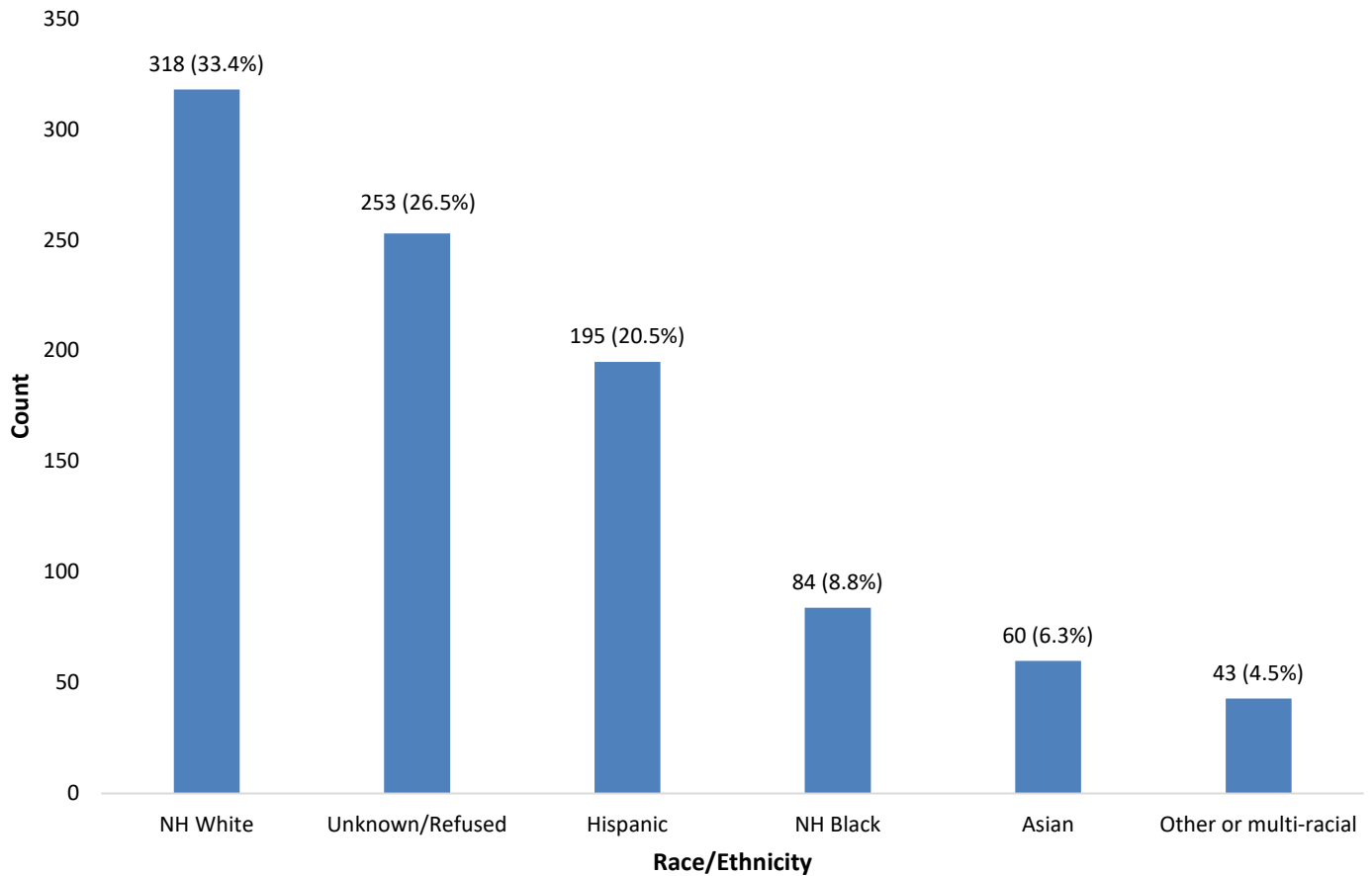
***High risk status does not necessarily make one more susceptible to transmission, but does increase the likelihood of a more severe illness

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 06/02/2020)

Table 4. Laboratory Statistics				
	Overall	Private Laboratories	Hospital Laboratories	Public Laboratories
Confirmatory Tests with information	908	629	256	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	163	100%	17.1%
Cases with information	155	95%	16.2%
Admitted to Intensive Care Unit (ICU)	21	12.8%	2.2%
Required intubation	16	9.8%	1.7%
Range of Length of Stay (in days)	<1-44	-	-
Median Length of Stay (in days)	6	-	-

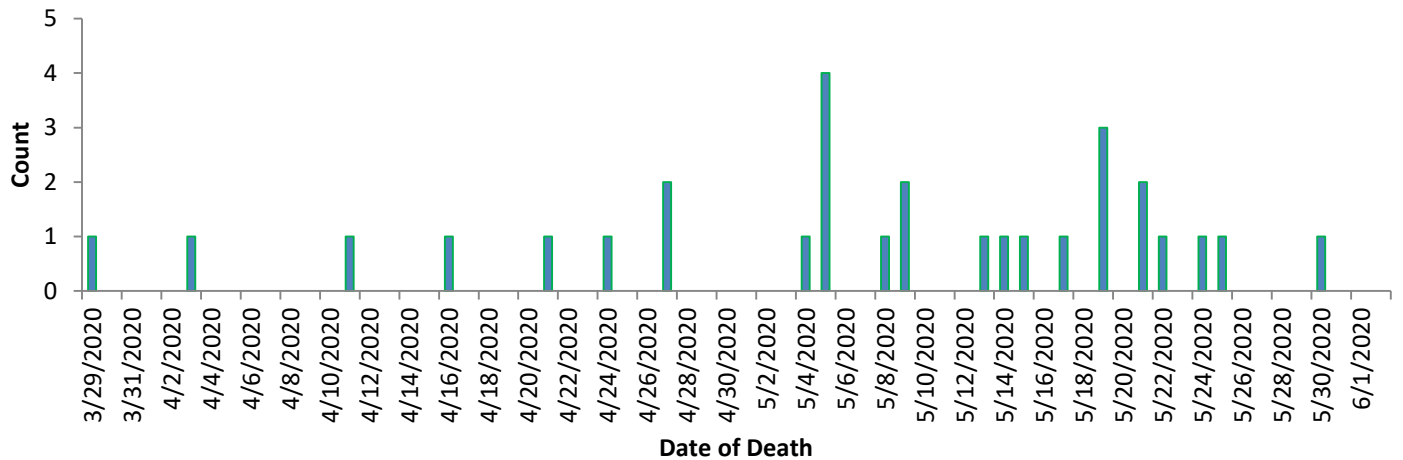
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Table 6. Symptoms Reported		
	N	Percentage
Cases with Information	546	100%
Cough	356	65.2%
Fever	330	60.4%
Myalgia	243	44.5%
Shortness of Breath	207	37.9%
Headache	204	37.4%
Chills	159	29.1%
Sore Throat	121	22.2%
Runny Nose	121	22.2%
Nausea	88	16.1%
Diarrhea	76	13.9%
Asymptomatic	55	10.1%
Abdominal pain	47	8.6%

Table 7. Death Statistics		
	N	%
Confirmed Deaths	29	2.8%
Age		
Range	52-101	
Median	80	
Mean	78.7	
Race		
NH White	23	79.3%
NH Black	4	13.8%
Asian	2	6.9%
Risk Status		
High Risk**	29	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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