

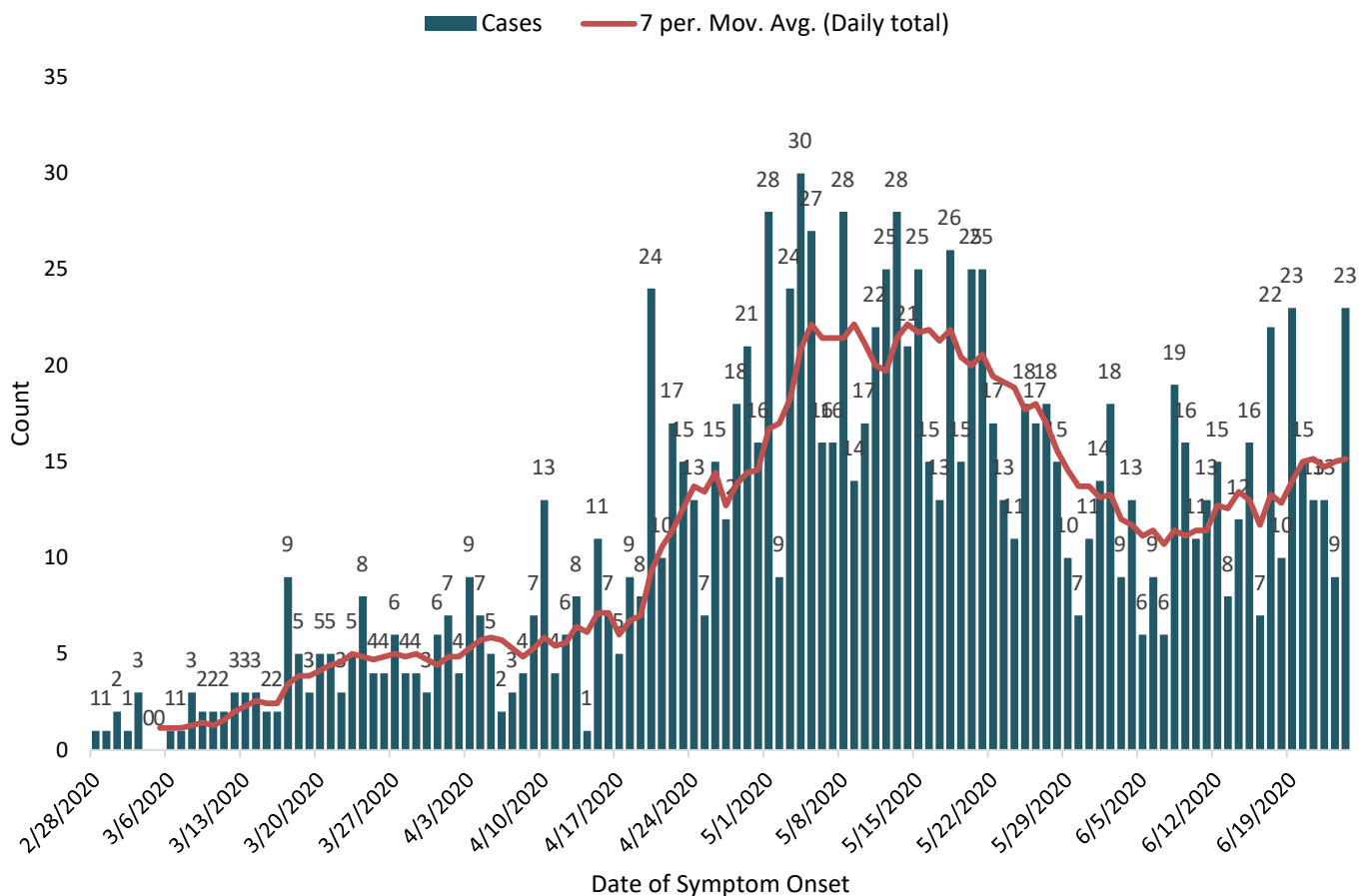
Butler County General Health District COVID-19 Update (06/24/2020)

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

Butler County Residents, 2020

Total # of Cases*:	1300*
Confirmed Deaths (06/24):	39
First Case Reported:	3/11/2020
Last Case Reported (so far):	6/24/2020
Confirmed Cases:	1269
Probable Cases:	31
Age Range:	<1-101
Median Age:	42
Mean Age:	43.4
Incidence Rate:	339.3 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 06/24/2020. 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 or probable 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 06/24/2020 at 1700 EDT.

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

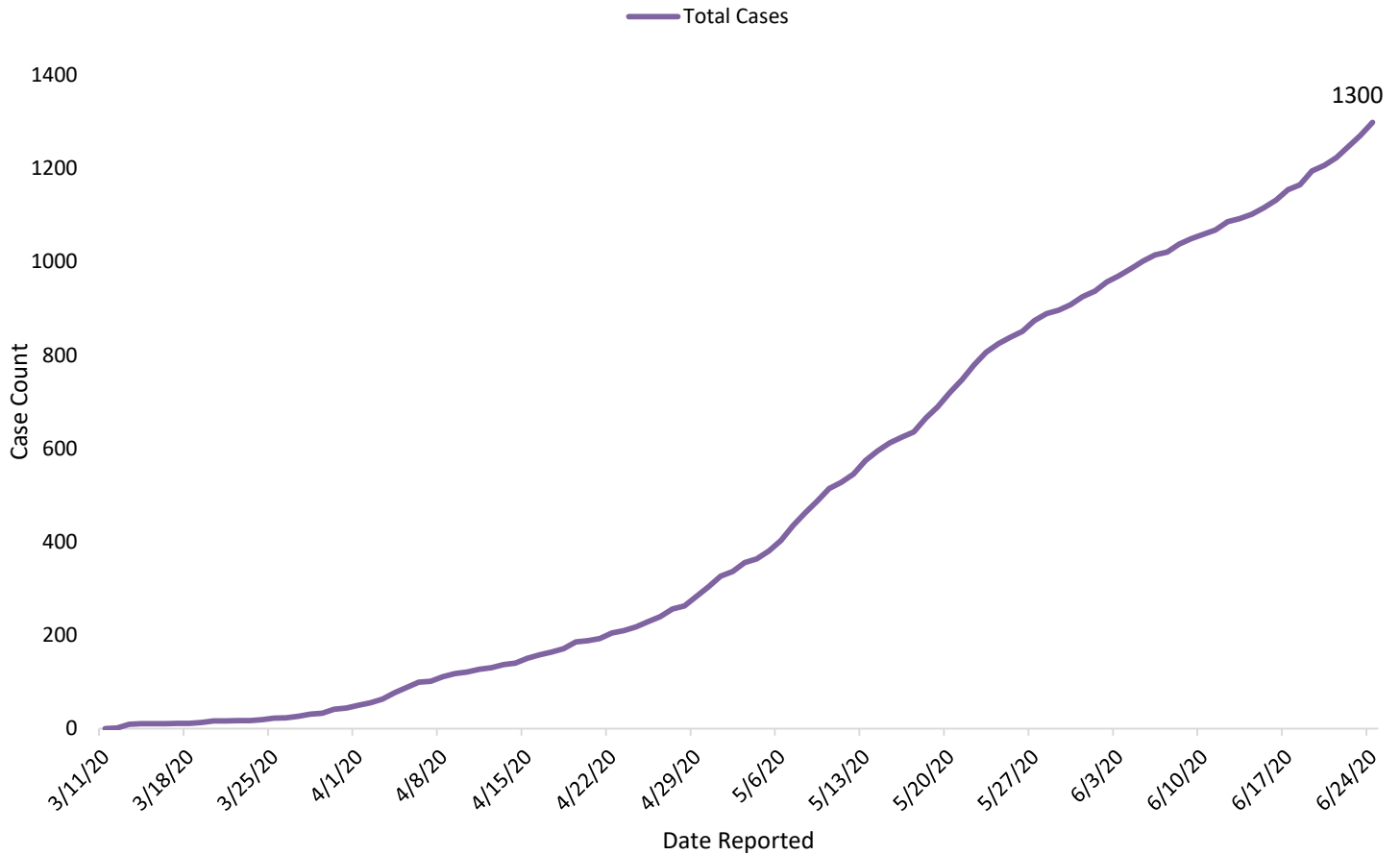
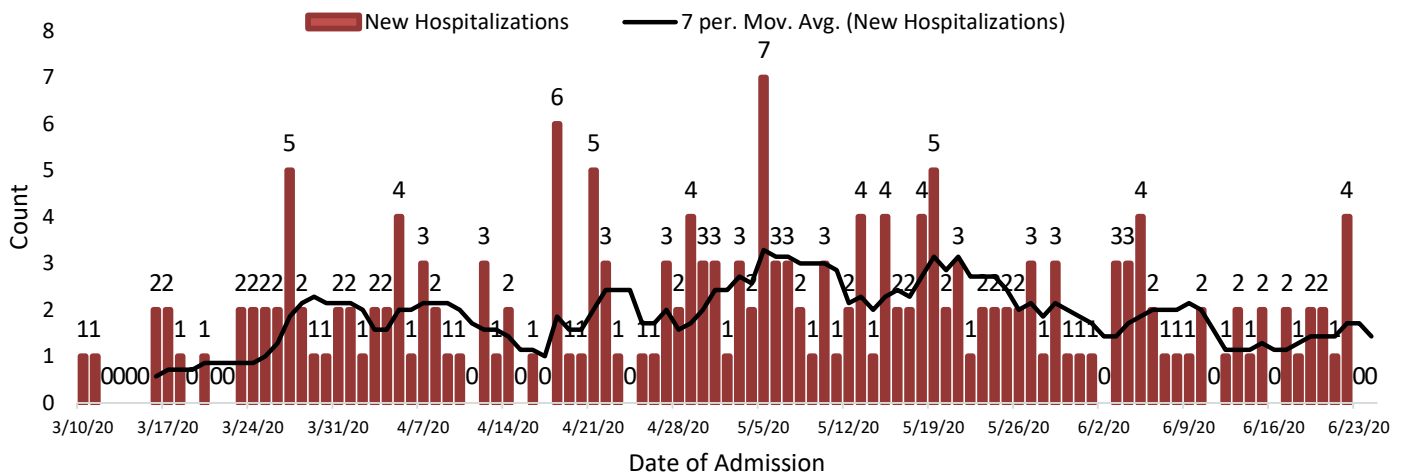


Figure 3. New Hospitalizations by Admission Date



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Figure 4. Race and Ethnicity as a Percentage of Cases Reported by Date of Report

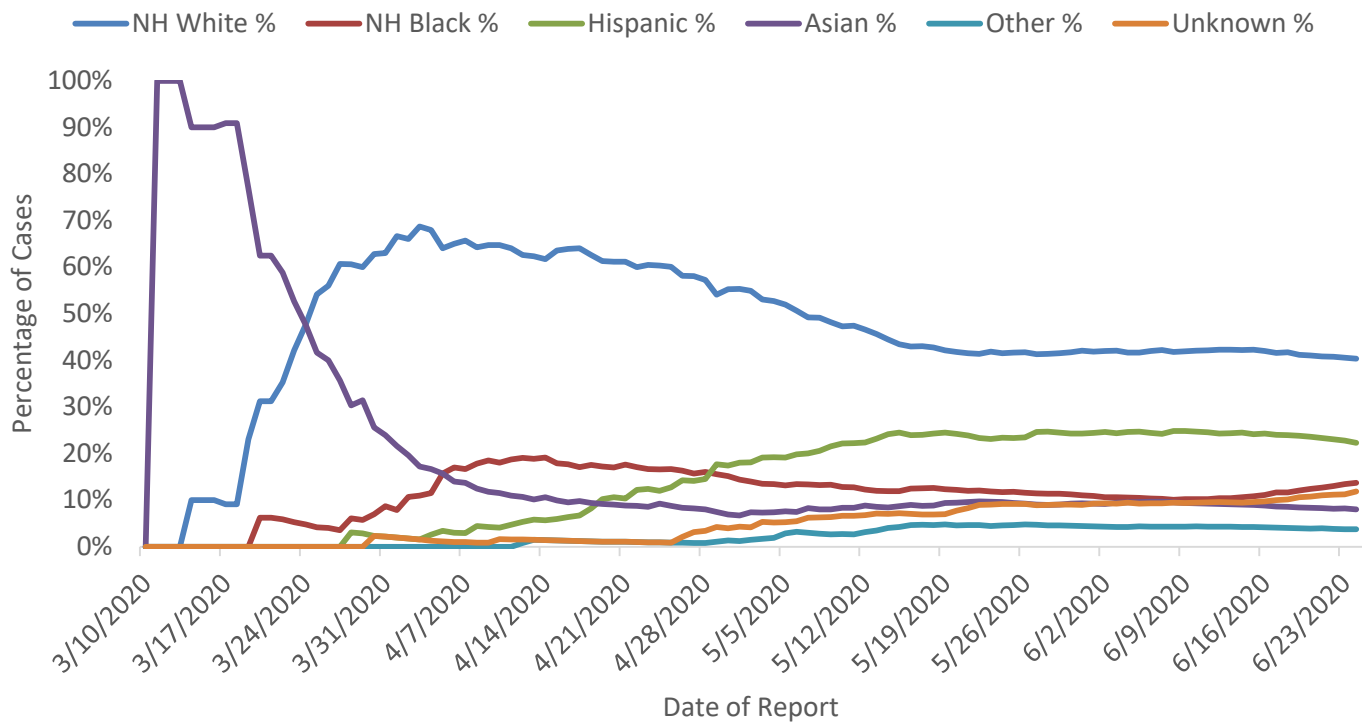
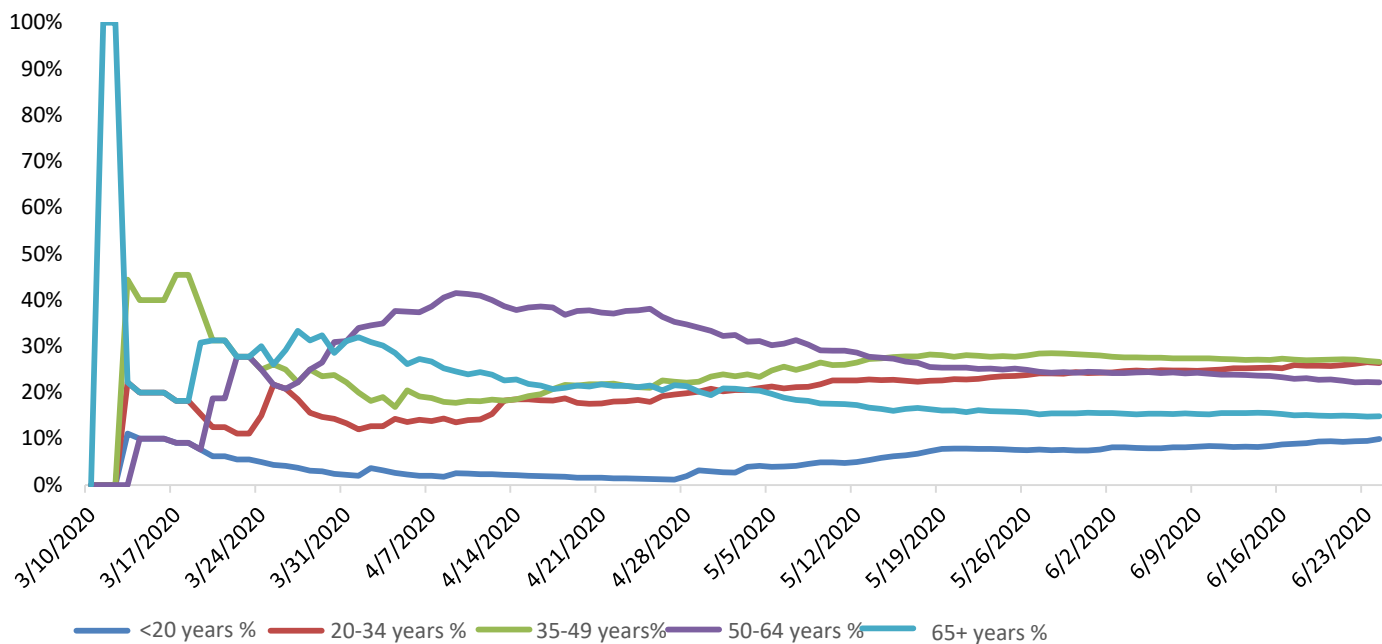


Figure 5. Age as a Percentage of Cases Reported by Date of Report



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Demographics of COVID-19 Cases Reported to Butler County

Butler County Residents, 2020
(as of 1700 EDT 06/24/2020)

Table 1: Total Reported* Cases by ZIP Code

ZIP Code	Number of Cases	Rate per 100,000	% of Confirmed Cases
45014	349	794.7	27.4%
45011	270	387.5	20.7%
45044	185	350.2	13.7%
45069	151	307.8	12.1%
45013	89	169.2	7.0%
45015	65	540.0	5.1%
45042	51	192.8	4.0%
45056	40	147.9	2.6%
45067	32	230.2	2.3%
45050	19	222.3	1.5%
45246	16	-	1.3%
45241	15	-	1.2%
Butler County (inclusive)	1282		98.6%

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. Zip-codes with fewer than 5 cases have been removed for privacy concerns.

Table 2. Exposure Type

Community	Healthcare Exposure	First Response	Household contact	Travel associated	Congregate living	Workplace
709	130	6	275	11	88	81

Table 3. Clusters in Butler County

Cluster Associated Cases	403	31.0%
Cluster Association	Cases	% of Clustered Cases
Household/Family	272	67.5%
Congregate living	83	20.6%
Workplace	42	10.4%
First Response	2	0.5%

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 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. The decreasing percentage of cluster associated cases with the increase in overall cases indicates that there is more spread in the community.

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

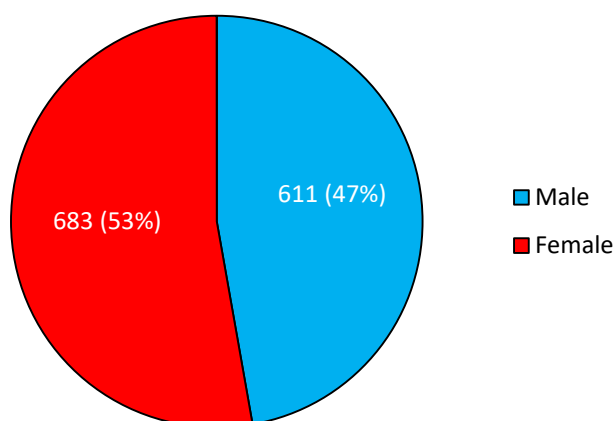


Figure 7. Reported Confirmed Cases by Age Group*
Butler County Residents, 2020

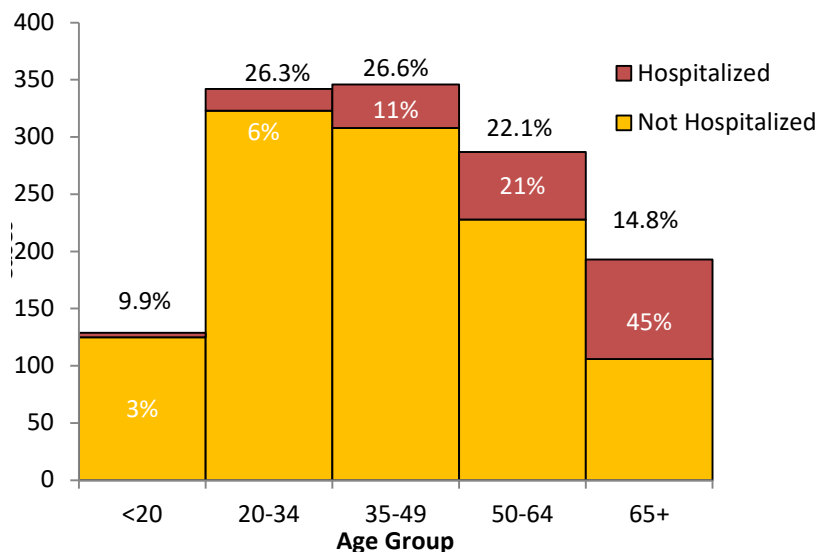
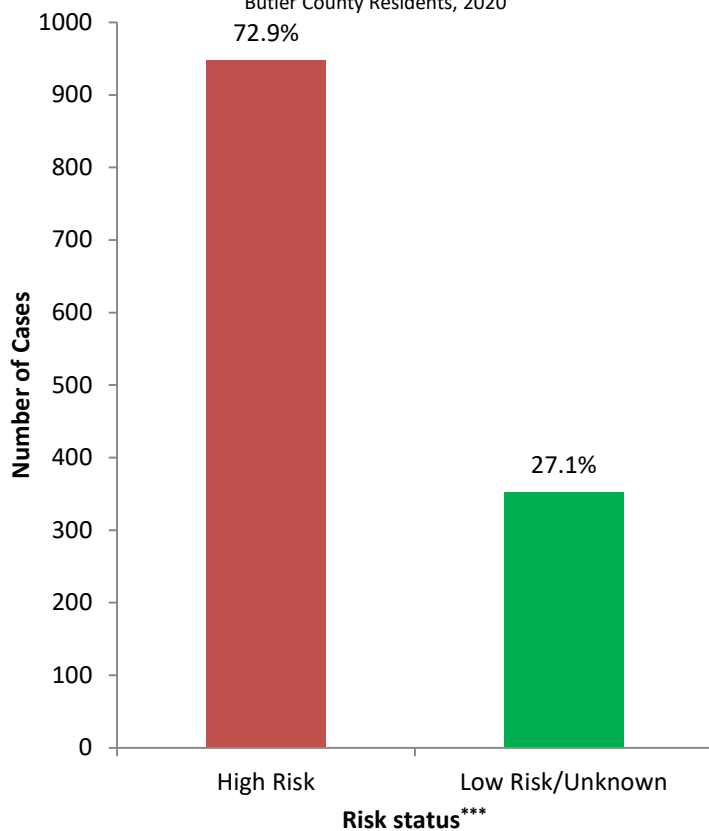


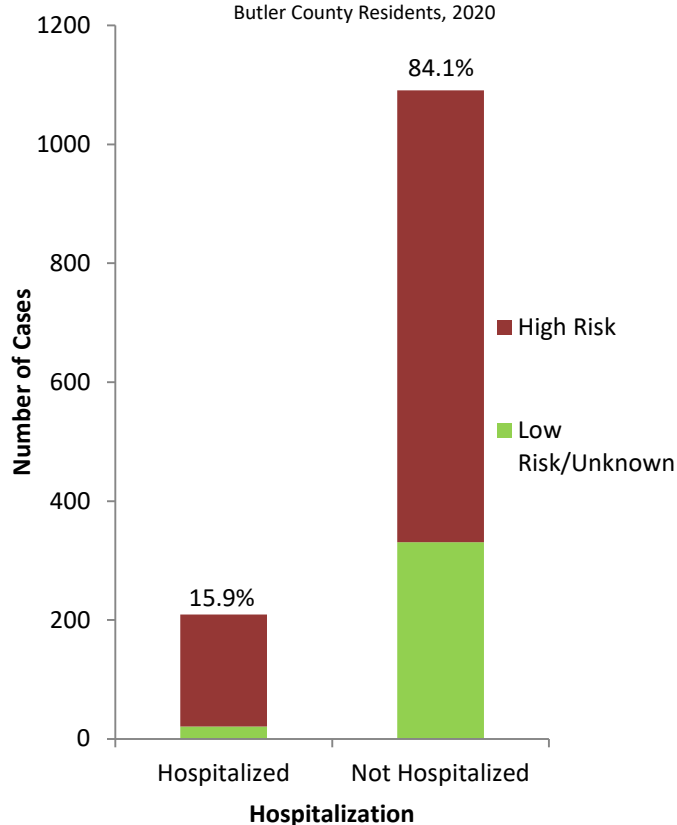
Figure 8. Reported Confirmed Cases by Risk*
Butler County Residents, 2020



(Underlying Health Conditions or Older than 65)

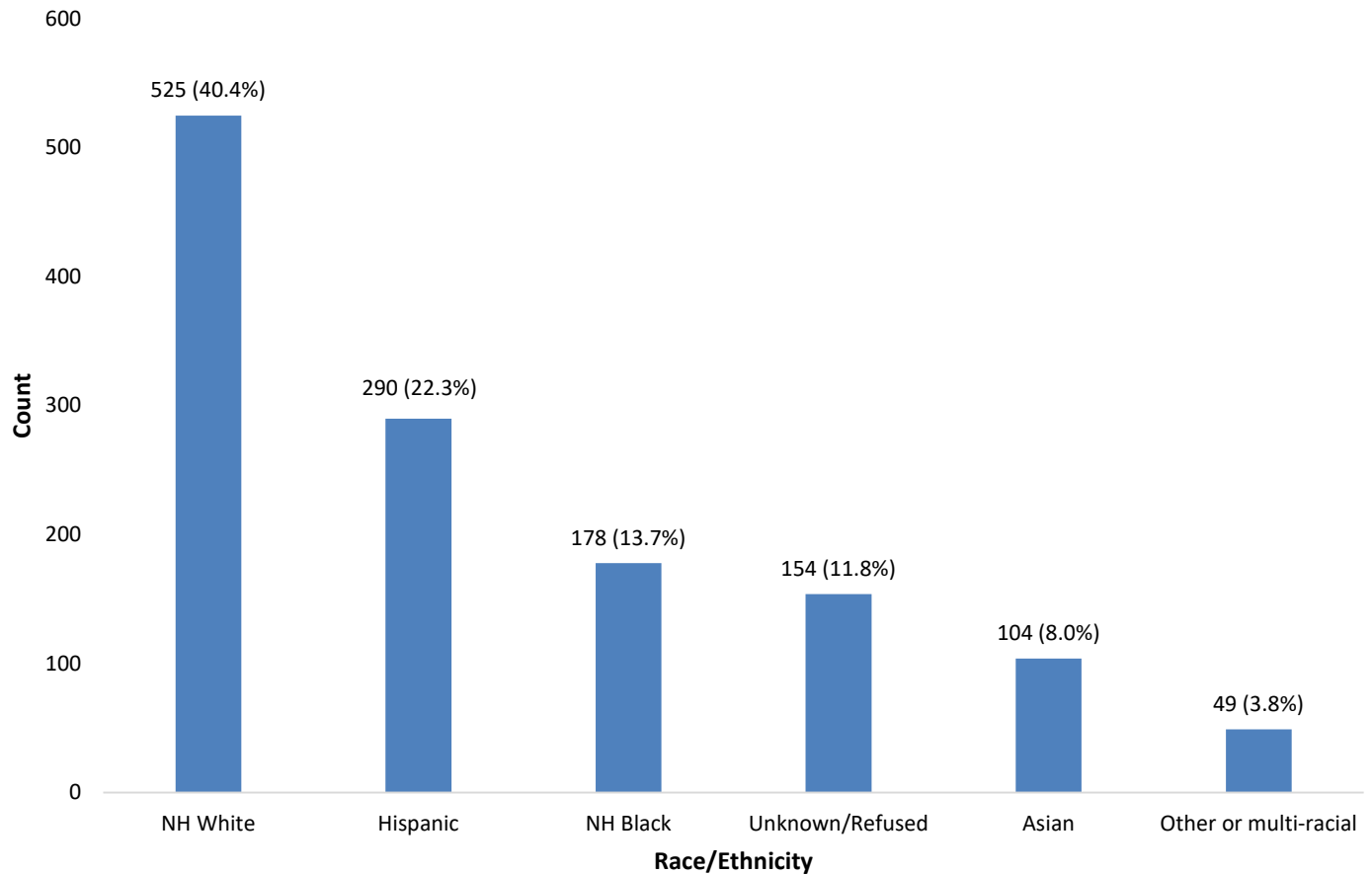
***High risk status does not necessarily make one more susceptible to transmission, but does increase the likelihood of a more severe illness

Figure 9. Reported confirmed Cases by Hospitalization
Butler County Residents, 2020



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Figure 10. Cases Reported to Butler County by Race/Ethnicity



Clinical Statistics for Reported Butler County Cases

Butler County Residents, 2020
(as of 1700 EDT 06/24/2020)

Table 4. Laboratory Statistics				
	Overall	Private Laboratories	Hospital Laboratories	Public Laboratories
Confirmatory Tests with information	1231	857	344	30
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	207	100%	15.9%
Cases with information	198	95.7%	15.2%
Admitted to Intensive Care Unit (ICU)	25	12.1%	1.9%
Required intubation	19	9.2%	1.5%
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	1059	100%
Cough	584	55.1%
Fever	571	53.9%
Myalgia	458	43.2%
Headache	380	35.9%
Shortness of Breath	324	30.6%
Chills	279	26.3%
Loss of Taste or Smell	218	20.6%
Sore throat	210	19.8%
Runny nose	187	17.7%
Nausea	160	15.1%
Diarrhea	154	14.5%
Asymptomatic	128	12.1%
Abdominal Pain	79	7.5%
Conjunctivitis	24	2.3%

Table 7. Death Statistics

	N	%
Confirmed Deaths	39	3%
Age	N	
Range	43-101	
Median	77.5	
Mean	75.9	
Race	N	%
NH White	27	69.2%
NH Black	9	23.1%
Asian	2	5.1%
Unknown	1	2.6%
Risk Status	N	%
High Risk**	38	97.4%

**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 11. Confirmed COVID-19 Deaths by date of death

