

A joint collaboration between Stark County Public Health Agencies:

Alliance City Health Department

Canton City Public Health

Massillon City Health Department

Stark County Health Department

Stark County, Ohio

August 21, 2020 Epi Report

**COVID-19 Snapshot
Stark County, Ohio
as of 12:00pm
August 21, 2020**

Level 1	Level 2	Level 3	Level 4
<p>Stark County is currently at a Level 2 (Orange) Status as indicated by the Ohio Public Health Advisory System</p> <p>For information on the Ohio Public Health Advisory System, please visit: https://coronavirus.ohio.gov/wps/portal/gov/covid-19/public-health-advisory-system/</p>			

Confirmed Cases

- Total: 2004
- Active/Open Cases: 631
- Closed: (includes Deaths) 1373
- Closed due to Death: 145

Probable Cases

- Total: 139
- Active/Open Cases: 61
- Closed: (includes Deaths) 78
- Closed due to Death: 4

Hospitalized Confirmed & Probable Cases

- Yes: (includes ICU) 281
- Yes, ICU: 60
- Discharged: (includes 55 Deaths) 191

Age Range

- Confirmed Cases: 1-108
- Deaths in Confirmed Cases: 51-108

All data contained is preliminary and is subject to change as more information is reported to Ohio Department of Health (ODH). Data presented in this document is based on data as of 8.21.2020 12:00pm (for Stark County data) and/or 2:00pm (for Ohio data). Cases from previous days are likely to change as more information is entered. Caution should be exercised as data is subject to change.

For questions regarding this report, please contact:

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Stark County Epi Situational Report - COVID-19

Table 1 as of: 08/21/2020 2:00PM

Next report scheduled: 08/25/2020

Cases Reported to Stark LHDs		
Data as of 08.21.2020 1200		
Positive/Confirmed	2004	
Hospitalized	280	13.97%
ICU Admissions	59	2.94%
Deaths in Confirmed Cases	145	7.24%
Probable Cases	139	
Deaths in Probable Cases	4	

Cases Reported to ODH		
Data as of 08.21.2020 1400		
Positive/Confirmed	107,064	
Hospitalized	12,719	11.88%
ICU Admissions	2864	2.68%
Deaths in Confirmed Cases	3675	3.43%
Probable Cases	5982	
Deaths in Probable Cases	280	

Descriptive Statistics for Stark County Confirmed Cases

Gender			
	Confirmed Cases		Deaths
Male	858	42.8%	73
Female	1137	56.7%	72
Unknown	9	0.4%	0
Total	2004		145

Ethnicity			
	Hispanic	Non-Hisp	Unknown
Count	124	1471	409
%	6%	73%	20%

Race					
	White	Black	Asian/Pacific Islander	Other	Unknown
Count	1384	255	17	124	224
%	69%	13%	1%	6%	11%

Illness Information for Stark County Confirmed Cases-Cumulative Counts

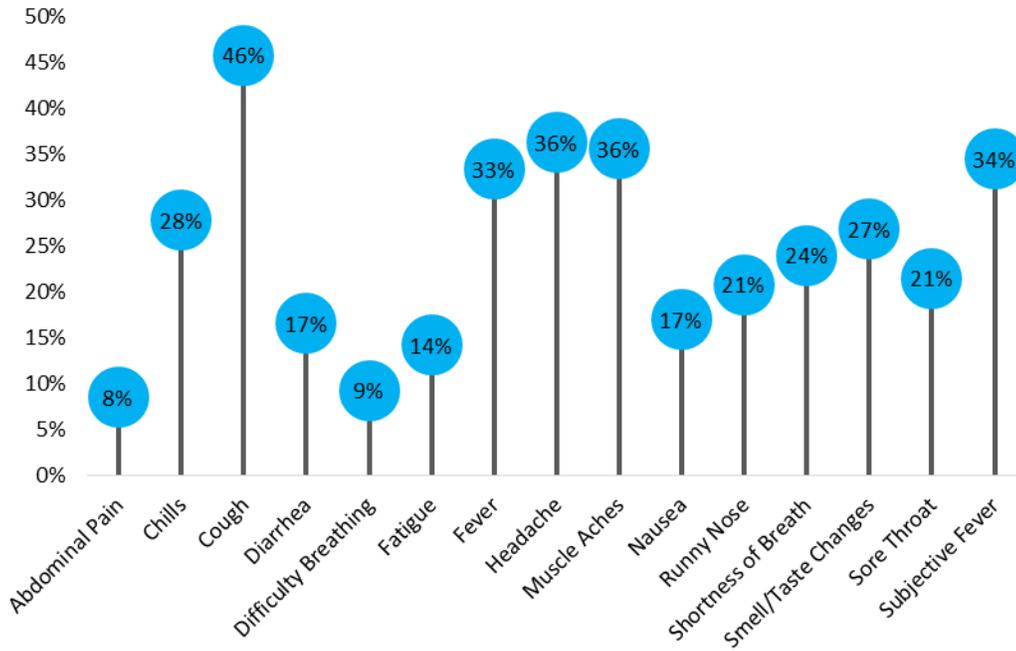
Hospitalized		
Yes	280	14.0%
No	1713	85.5%
Unknown	11	0.5%

Pre-existing Conditions		
Yes	1193	60%
No	811	40%

If hospitalized, in ICU?		
Yes	59	21%
No	221	79%

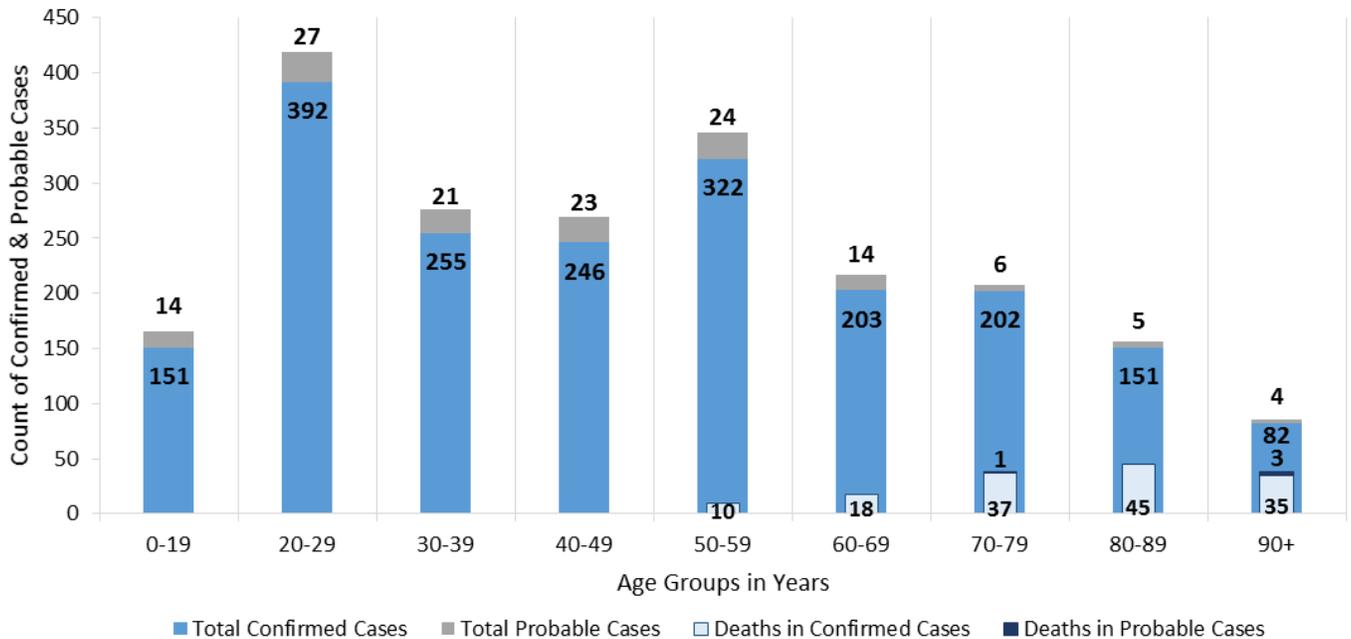
Discharged from Hospital		
ICU	46	
Other	145	
Some cases may be discharged due to death.		

Signs & Symptoms in Confirmed Stark County Cases
Graph 1



Graph 1 shows the incidence of signs and symptoms reported in confirmed cases of COVID-19 in Stark County. Two symptoms that are similar are subjective fever where in a patient felt feverish and fever in which is defined as a fever of >100.4F (38C). Additional symptoms may be added in the future as prevalence increases.

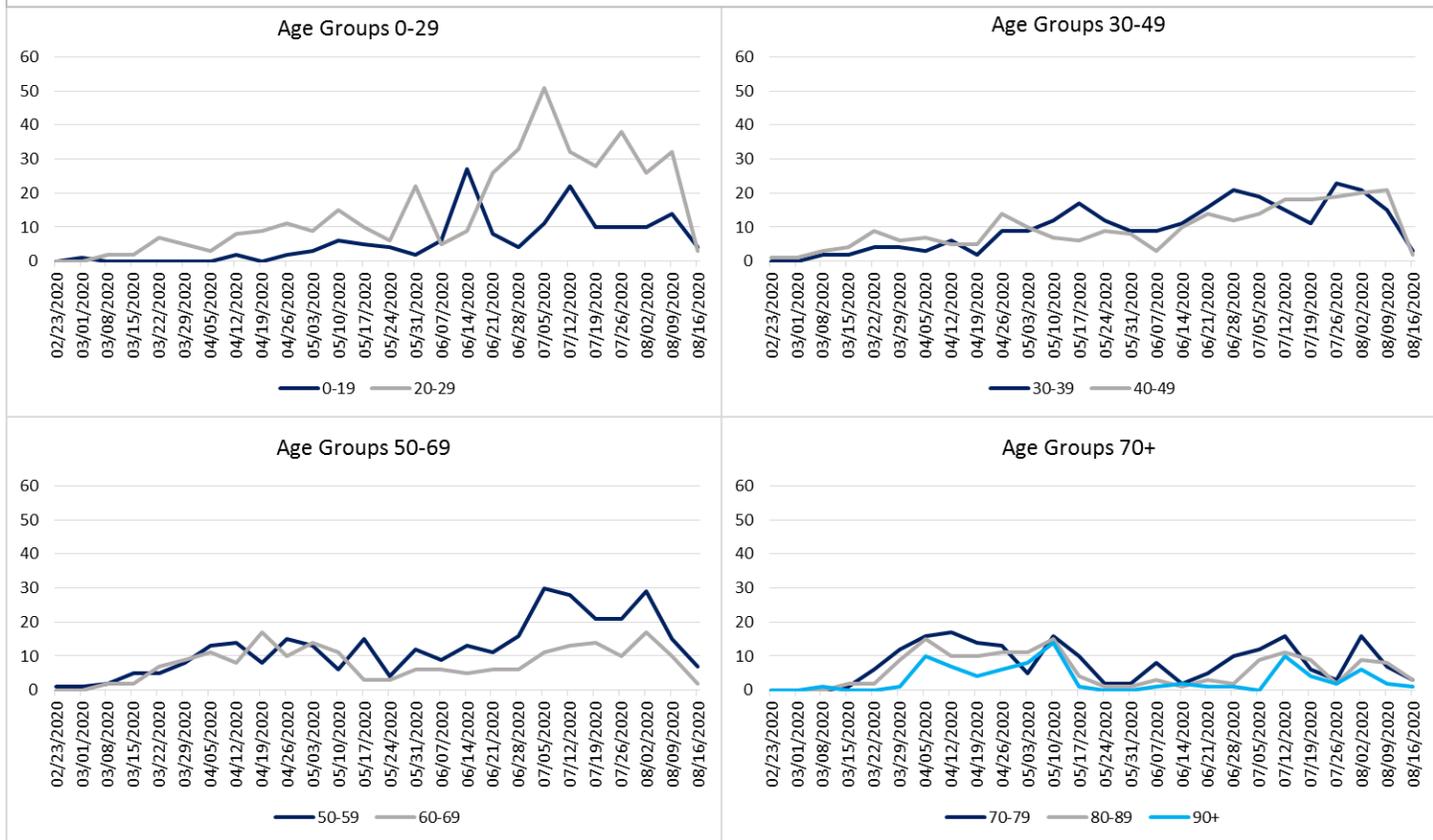
Total Number of Confirmed & Probable Cases by Age Group in Stark County
Graph 2



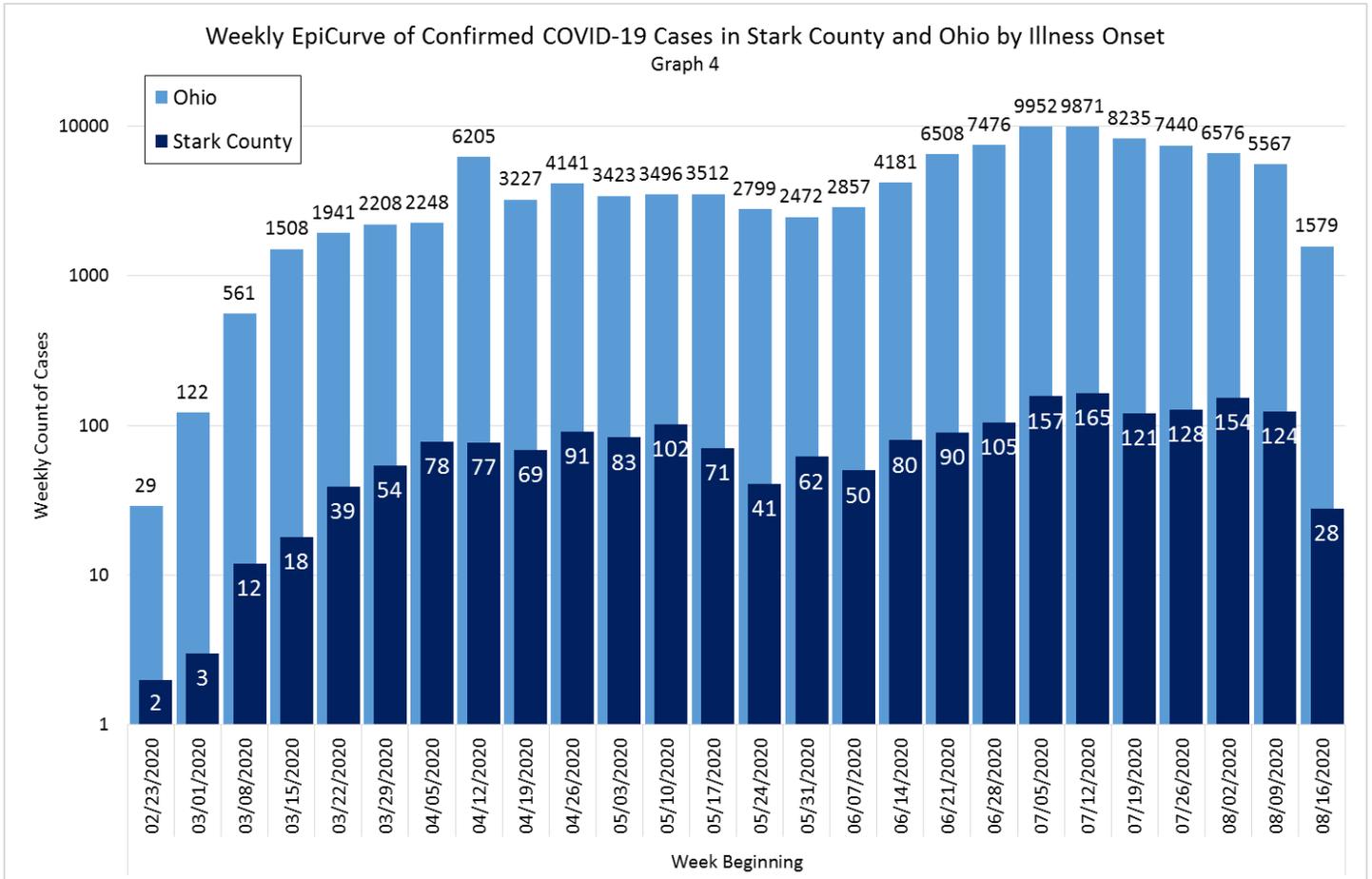
Graph 2 shows the cumulative number of laboratory-confirmed and probable cases and deaths in those cases by age group. Age groups may be broken down further as new cases emerge. One probable case, date of birth is unknown and not shown in graph above.

Weekly Counts of Confirmed Cases by Illness Onset Date and Age Group

Graph 3



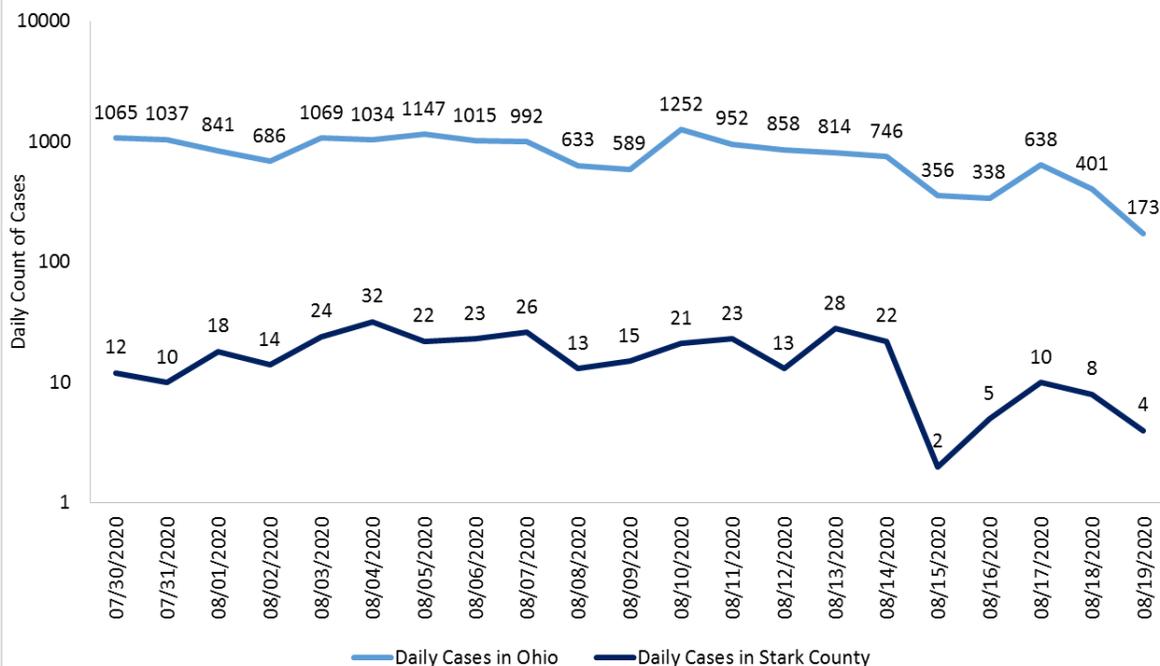
Graph 3 shows a breakdown of confirmed cases by week by age groups. As with all data contained in this report, caution is advised when looking at the past 2-3 weeks of data due to delays in testing results.



Graph 4 shows the EpiCurve which displays the total number of laboratory-confirmed cases per week, based on the illness onset date for Stark County and Ohio. If the illness onset date is not available, the earliest known date is utilized, which could include the date the specimen was collected, the date of the test results or the date reported to the local health department. Counts will change as additional information is collected. Totals may not equal the totals on Table 1 depending on when data was accessed. Stark County’s first confirmed case reported an illness onset date of 2/25/2020, while Ohio had cases prior to 2/23/2020, those are not included. **This data only includes data up until 12:00pm on 8/21/2020.**

21 Day EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset

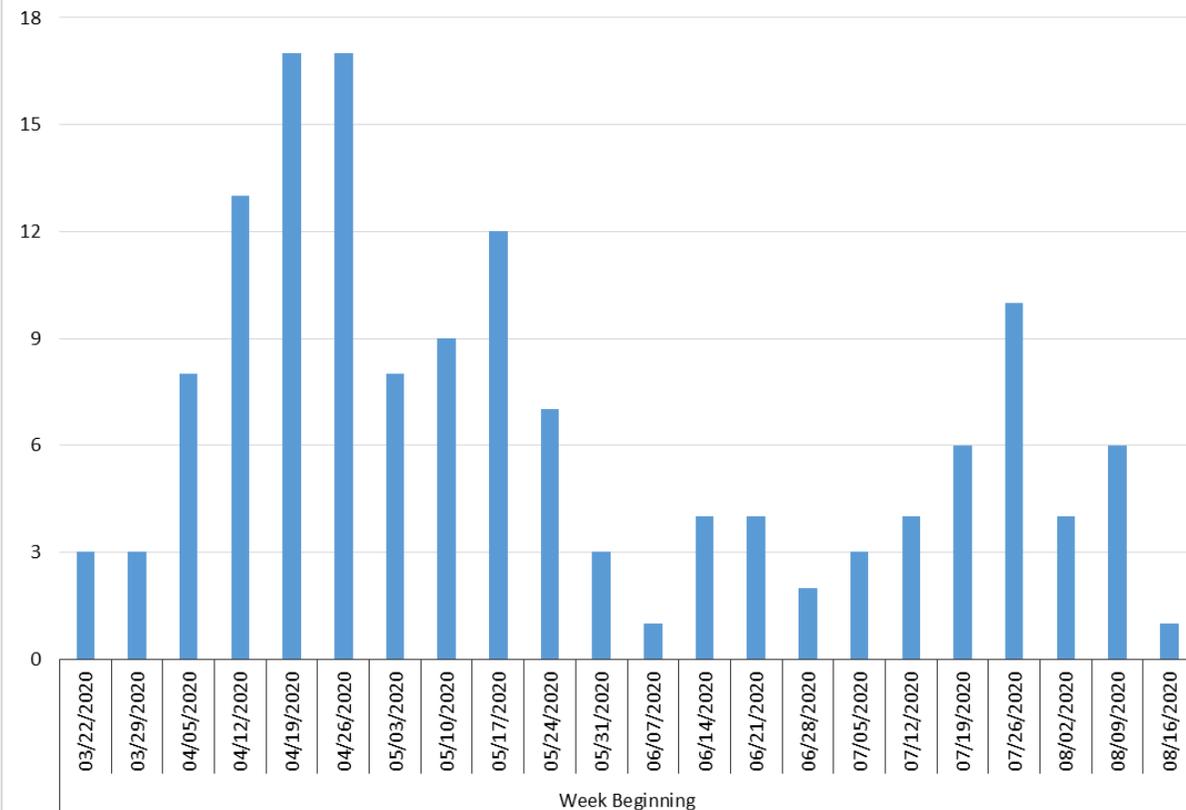
Graph 5



To help highlight short-term daily changes, Graph 5 shows daily counts of laboratory confirmed cases for a 21 day period.

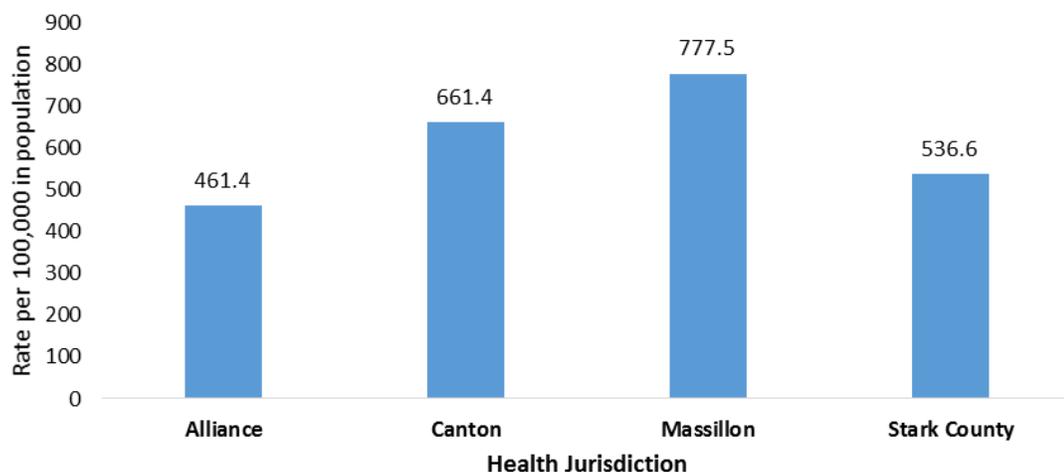
Count of Deaths in Confirmed Cases by Week

Graph 6



Graph 6 is a breakdown of death counts in laboratory-confirmed cases by week in which the death occurred. Includes only deaths reported to the local health department as of 12:00pm on 08/21/2020. This isn't an automated process which is why it may be a week or longer for a death to be documented.

Rate of Confirmed and Probable Cases by Health Jurisdiction
Graph 7

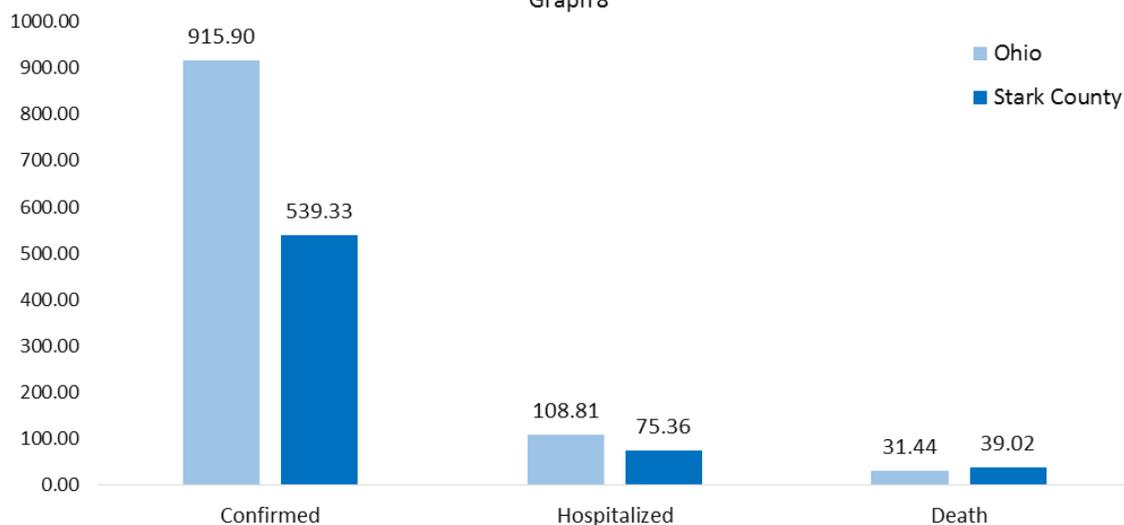


Health Jurisdiction	Probable Cases	Confirmed Cases	Total
Alliance	1	102	103
Canton	43	423	466
Massillon	9	243	252
Stark County	86	1236	1322

Rates=(case count/population)*100000

Graph 7 shows the rate of cumulative confirmed and probable cases by Stark County jurisdictions. Alliance, Canton and Massillon jurisdictions covers those within those particular city limits. Stark County jurisdiction covers all other areas outside of those three city limits. Rates calculated by 2018 population census data.

Rates of Confirmed Cases by Population
Graph 8



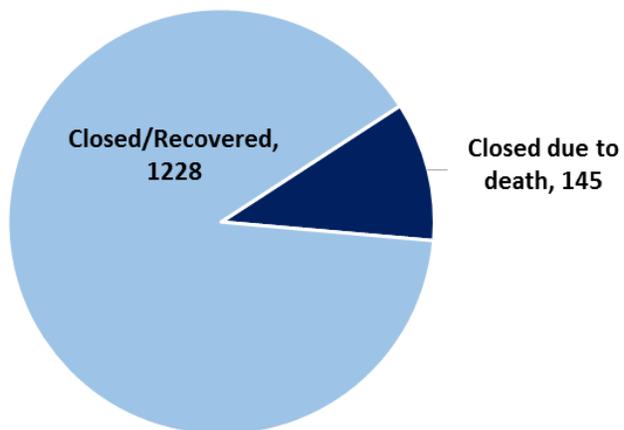
Counts of Cases	Ohio	Stark County
Confirmed	107,064	2,004
Hospitalized	12,719	280
Deaths	3,675	145

Rates based on 2018 population from data.census.gov.
Rates=(count/population)*100000

Graph 8 shows the rates dependent on the 2018 population in Ohio and Stark County. This graph works to compare cases in different populations by normalizing the cases per 100,000 persons.

- Ohio’s rate of laboratory confirmed cases is 1.7x higher than those in Stark County.
- Ohio’s rate of laboratory confirmed cases who require hospitalization is 1.4x higher than Stark County’s rate.
- Stark County’s rate of death due to COVID-19 complications is 1.2x higher than Ohio’s rate.

Closed Confirmed Cases
Graph 9

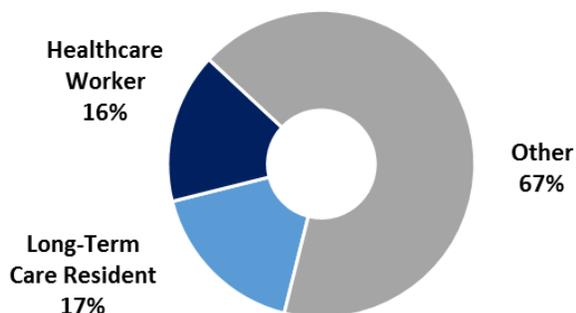


Graph 9 is the counts of confirmed cases closed, either due to closed/recovered or closed due to death. Stark County has a total of 1373 cases closed of which 145 (11%) are due to death.

Cases can be closed for the following reasons:

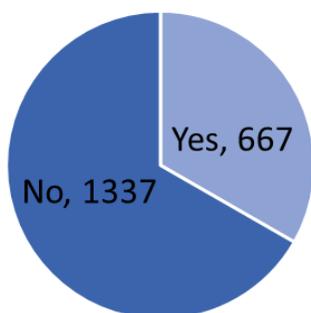
- The person passed away.
- Symptoms have resolved in that case.
- The person is no longer being followed by the local health department.

Percentage Breakdown of Confirmed Cases
Graph 10



Graph 10 shows a breakdown of categories in confirmed cases. Healthcare workers account for 16% of the confirmed cases while long-term care residents account for 17% of confirmed cases. The remaining 67% do not belong in either of those categories. The percentages are based off of those that were affirmatively indicated to be either a healthcare worker or long-term care resident.

Confirmed Cases Linked to a Known Cluster
Graph 11



A cluster is defined as 2 or more cases with a common time and place of exposure. In Stark County, commonly these are work place, congregate living or family event/party settings. Additionally, cases that were exposed to original case members of the cluster and they subsequently became ill are also then linked to the original cluster.

Background from www.cdc.gov: Coronavirus disease 2019 (COVID-19) is a respiratory illness that can spread from person to person. The virus that causes COVID-19 is a novel coronavirus that was first identified during an investigation into an outbreak in Wuhan, China.

Confirmed Cases

- Positive for SARS-CoV-2 RNA (with or without meeting epi criteria and/or clinical criteria)

Probable Cases

- Positive for SARS-CoV-2 Antigen (via FDA-approved test³) and meeting either the epi criteria or clinical criteria
- Positive for SARS-CoV-2 Antibody (via FDA-approved test³) and meeting either the epi criteria or clinical criteria
- No laboratory testing and meeting both the epi criteria and clinical criteria
- Positive for SARS-CoV-2 Antigen or Antibody (via non-FDA-approved test) and meeting both the epi criteria and clinical criteria
- Death certificate listing COVID-19 as a cause of death with no PCR lab testing

Counts and rates are based on date of illness onset. If onset date is unknown, the earliest known date is utilized. Any rates based on counts less than 10 are considered unreliable and caution should be exercised when interpreting. Due to testing restrictions, data may be skewed. Report compiled by Canton City Public Health.

Data is sourced from: coronavirus.ohio.gov, ODH data warehouse, and census.gov. “These data were provided by the Ohio Department of Health. The Department specifically disclaims responsibility for any analyses, interpretations or conclusions.”

For information regarding test priorities, please visit: <https://coronavirus.ohio.gov/static/docs/COVID-19-Testing-Guidance.pdf>

For information regarding testing sites, please visit: <https://coronavirus.ohio.gov/wps/portal/gov/covid-19/testing-centers/>

For more information on long-term care facilities including breakdown by facility and by resident/staff, please visit: <https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards/long-term-care-facilities/cases>
<https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards/long-term-care-facilities/mortality>

For information on Restart Stark, including guidance and resources for Stark County, please visit: <https://coronavirus-response-stark-county-resources-starkcountyohio.hub.arcgis.com/>

For information on the Ohio Public Health Advisory System, please visit: <https://coronavirus.ohio.gov/wps/portal/gov/covid-19/public-health-advisory-system/>

For information on testing Statewide, please visit: <https://coronavirus.ohio.gov/wps/portal/gov/covid-19/dashboards/key-metrics/testing>