

A joint collaboration between Stark County Public Health Agencies:

Alliance City Health Department
 Massillon City Health Department

Canton City Public Health
 Stark County Health Department

**Stark County, Ohio
 July 28, 2020 Epi Report**

**COVID-19 Snapshot
 Stark County, Ohio
 as of 12:00pm
 July 28, 2020**

Level 1	Level 2	Level 3	Level 4
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**Stark County is currently at a Level 1 (Yellow)
 Status as indicated by the Ohio Public Health
 Advisory System**

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

Confirmed Cases	Probable Cases	Hospitalized Confirmed & Probable Cases	Age Range
Total: 1488	Total: 94	Yes: (includes ICU) 231	Confirmed Cases: 1-108
Active/Open Cases: 463	Active/Open Cases: 31	Yes, ICU: 51	Deaths in Confirmed Cases: 51-108
Closed: (includes Deaths) 1025	Closed: (includes Deaths) 63	Discharged: (includes 49 Deaths) 164	
Closed due to Death: 121	Closed due to Death: 5		

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 07.28.2020 11:30am (for Stark County data) and/or 2:00pm (for Ohio data). Cases from previous days are likely to change as more information is entered.

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Stark County Epi Situational Report - COVID-19

Table 1 as of: 07/28/2020 2:00PM

Next report scheduled: 07/31/2020

Cases Reported to Stark LHDs

Data as of 07.28.2020 1200

Positive/Confirmed	1488	
Hospitalized	230	15.46%
ICU Admissions	51	3.43%
Deaths in Confirmed Cases	121	8.13%
Probable Cases	94	
Deaths in Probable Cases	5	

Cases Reported to ODH

Data as of 07.28.2020 1400

Positive/Confirmed	81896	
Hospitalized	10425	12.73%
ICU Admissions	2488	3.04%
Deaths in Confirmed Cases	3118	3.81%
Probable Cases	4601	
Deaths in Probable Cases	264	

Descriptive Statistics for Stark County Confirmed Cases

Gender

	Confirmed Cases		Deaths
Male	634	42.6%	60
Female	849	57.1%	61
Unknown	5	0.3%	0
Total	1488		121

Ethnicity

	Hispanic	Non-Hisp	Unknown
Count	112	1087	289
%	8%	73%	19%

Race

	White	Black	Asian/Pacific Islander	Other	Unknown
Count	1042	140	15	113	178
%	70%	9%	1%	8%	12%

Illness Information for Stark County Confirmed Cases-Cumulative Counts

Hospitalized

Yes	230	15.5%
No	1252	84.1%
Unknown	6	0.4%

Pre-existing Conditions

Yes	964	65%
No	524	35%

If hospitalized, in ICU?

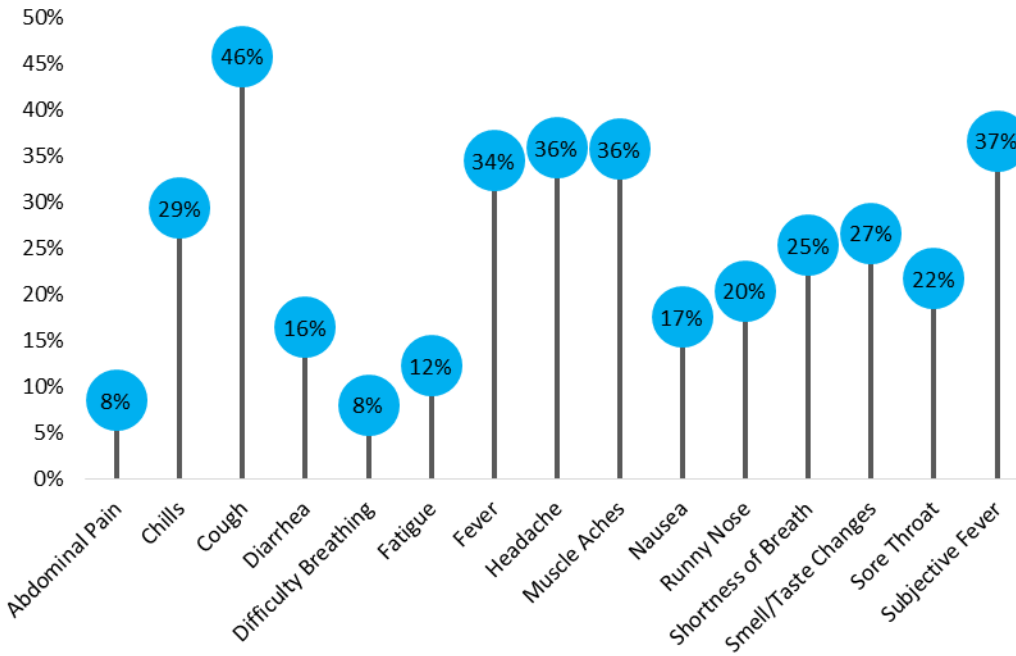
Yes	51	22%
No	179	78%

Discharged from Hospital

ICU	41	
Other	123	

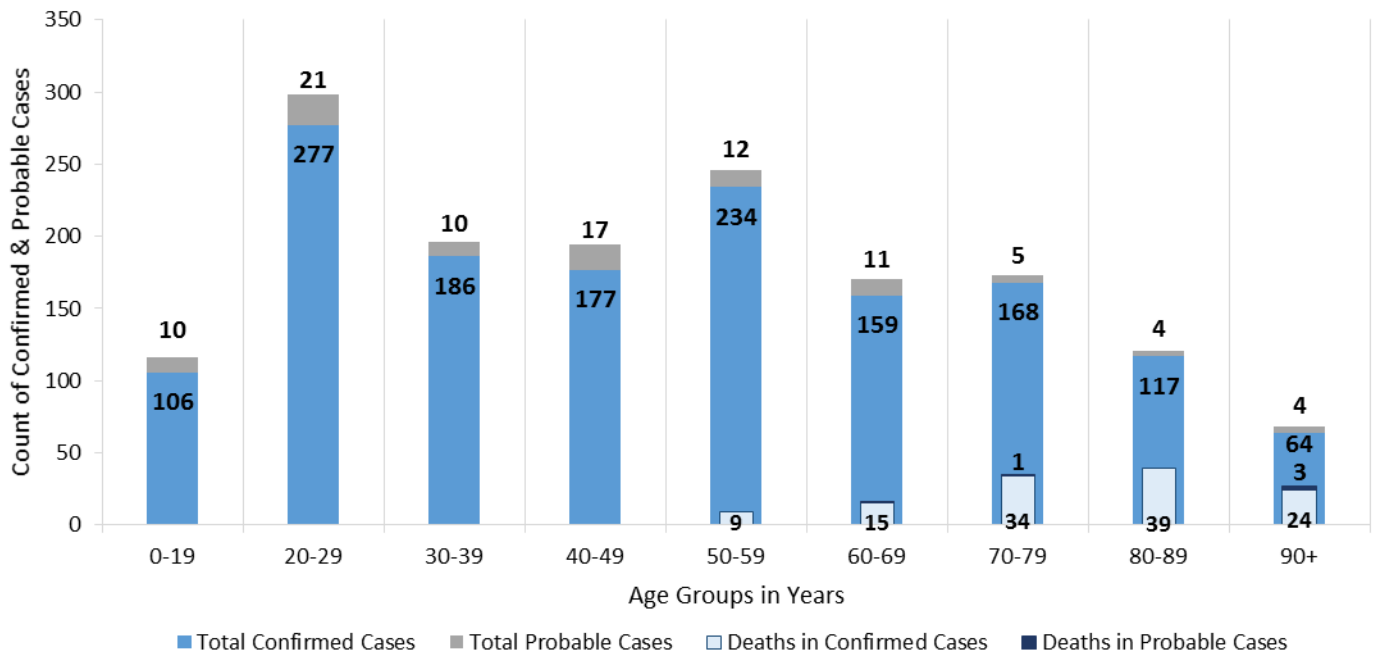
Some cases may be discharged due to death.

Signs & Symptoms in Confirmed Stark County Cases
Graph 1

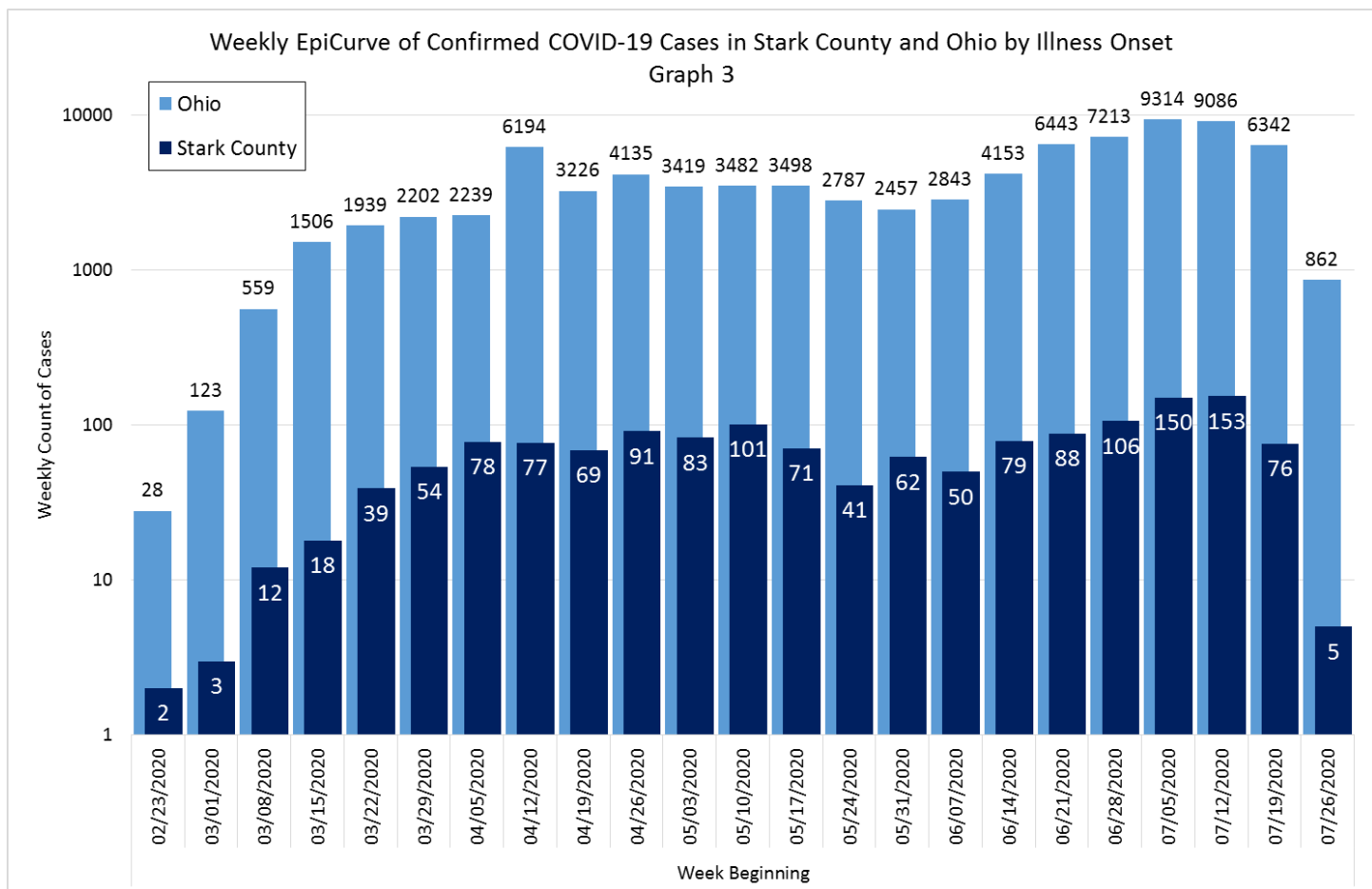


Graph 1 shows the incidence of signs and symptoms reported in confirmed cases of COVID-19 in Stark County. Two symptoms that are similar are subjective fever where in a patient felt feverish and fever in which is defined as a fever of >100.4F (38C). Additional symptoms may be added in the future as prevalence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

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



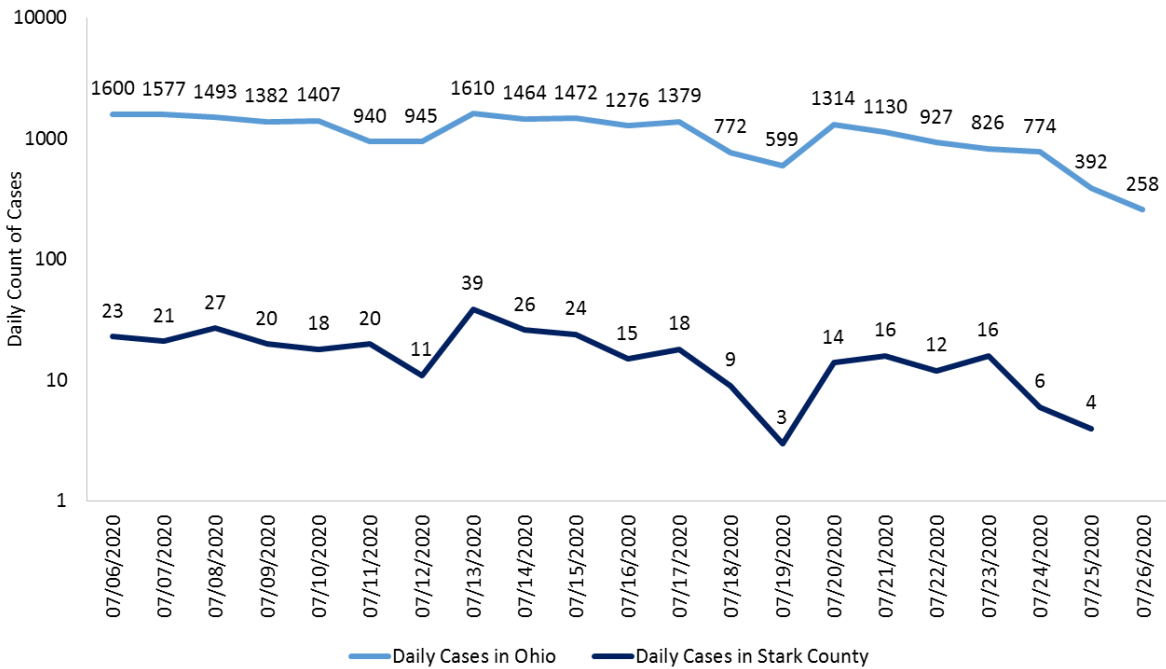
Graph 2 shows the cumulative number of laboratory-confirmed and probable cases and deaths in those cases by age group. Age groups may be broken down further as new cases emerge.



Graph 3 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 11:00am on 7/28/2020.**

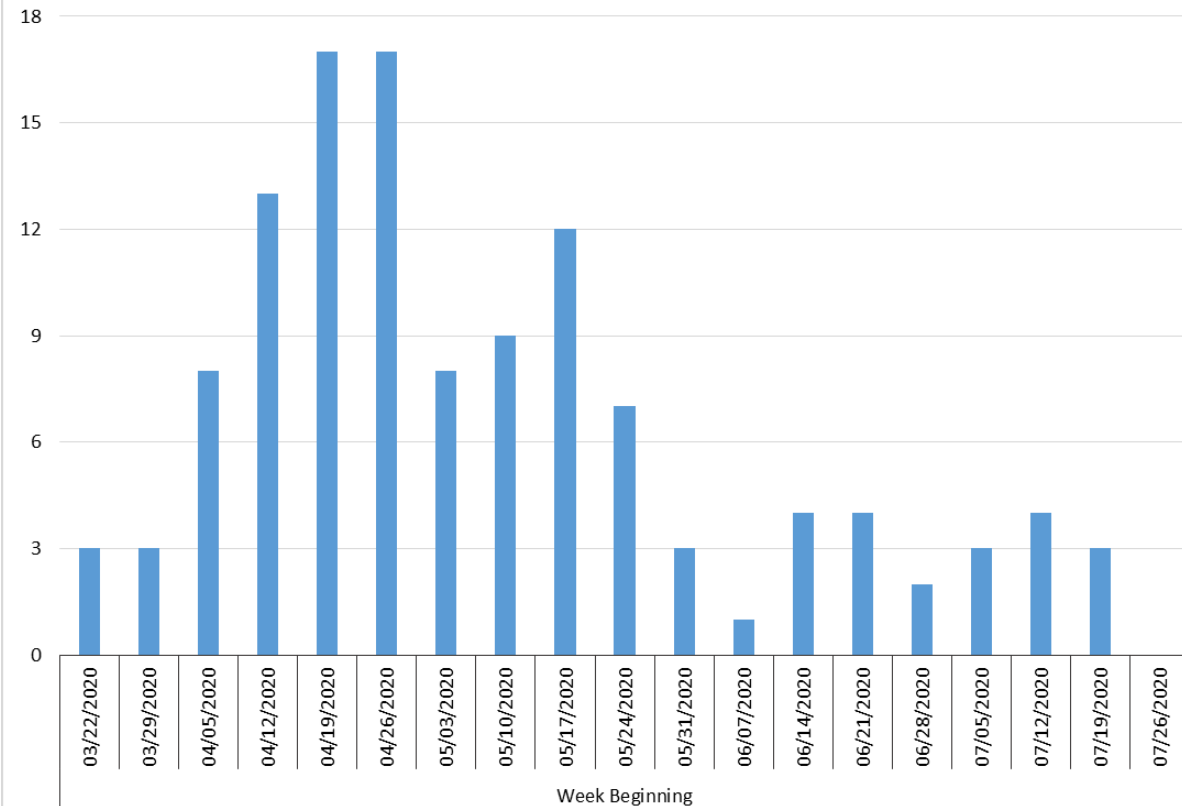
EPIDEMIOLOGICAL REPORT ON COVID-19

21 Day EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset
Graph 4



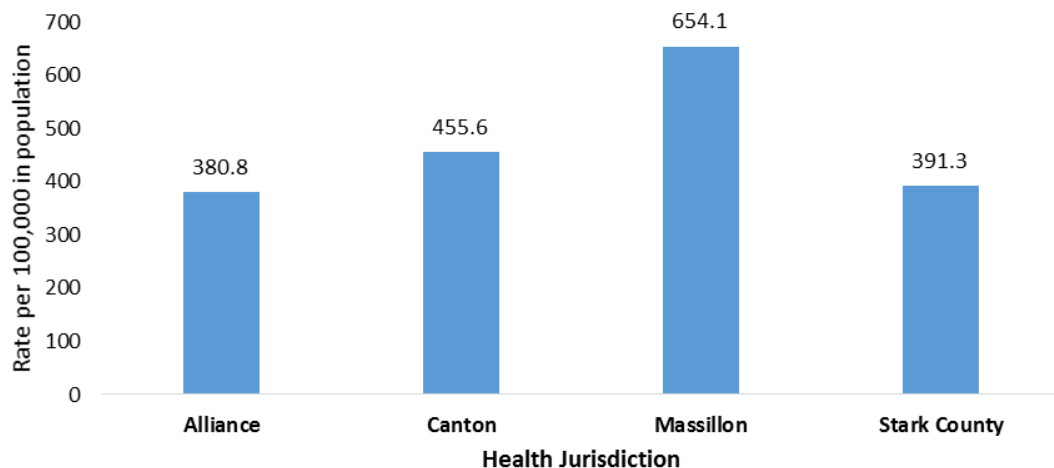
To help highlight short-term daily changes, Graph 4 shows daily counts of laboratory confirmed cases for a 21 day period.

Count of Deaths in Confirmed Cases by Week
Graph 5



Graph 5 is a breakdown of death counts in laboratory-confirmed cases by week in which the death occurred. Includes deaths reported to the local health department as of 11:00am on 07/28/2020. 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 6

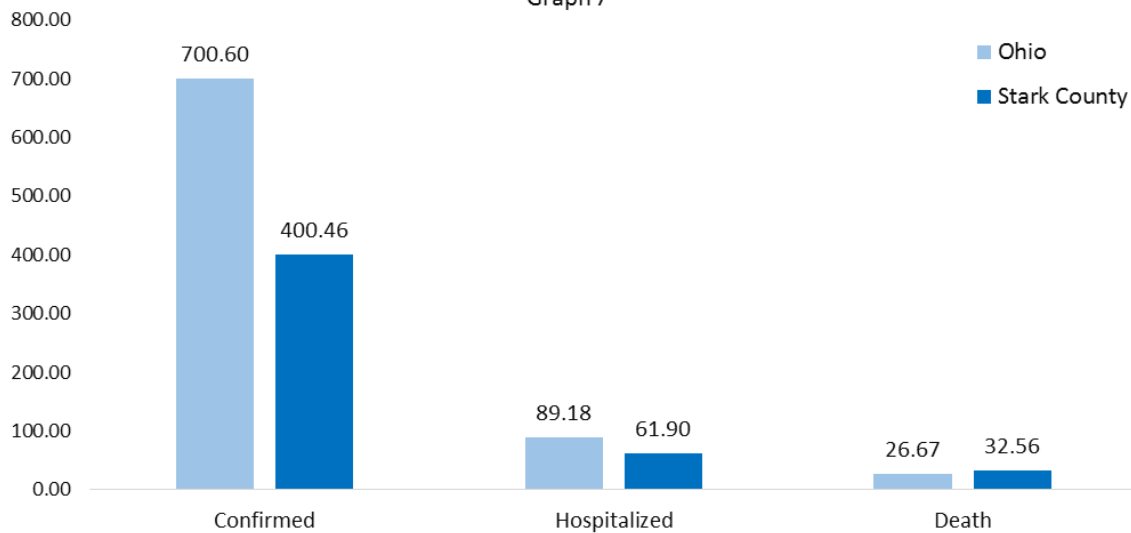


Health Jurisdiction	Probable Cases	Confirmed Cases	Total
Alliance	1	84	85
Canton	30	291	321
Massillon	10	202	212
Stark County	53	911	964

Rates=(case count/population)*100000

Graph 6 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 7



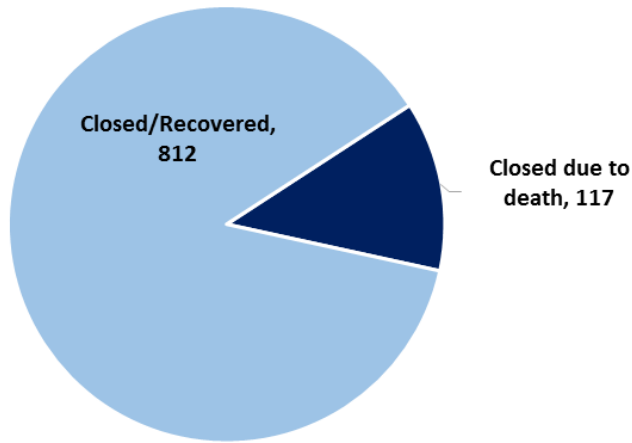
Graph 7 shows the rates dependent on the 2018 population in Ohio and Stark County. This graph works to compare cases in different populations by normalizing the cases per 100,000 persons.

Counts of Cases	Ohio	Stark County
Confirmed	81896	1488
Hospitalized	10425	230
Deaths	3118	121

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

- 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 8

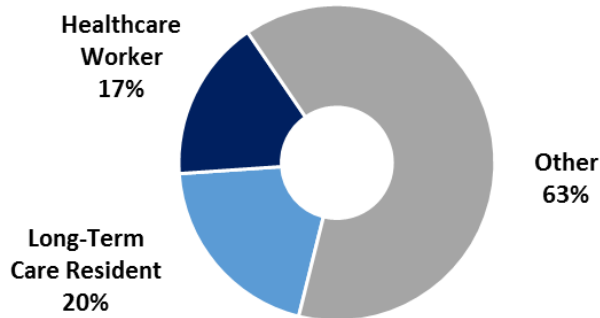


Graph 8 is the counts of confirmed cases closed, either due to closed/recovered or closed due to death. Stark County has a total of 1025 cases closed of which 121 (12%) are due to death.

Cases can be closed for the following reasons:

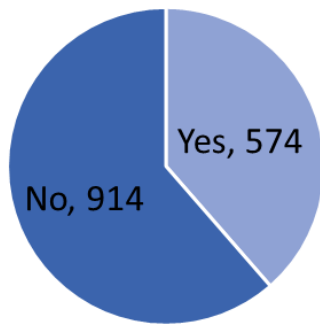
- The person passed away.
- Symptoms have resolved in that case.
- The person is no longer being followed by the local health department.

Percentage Breakdown of Confirmed Cases
Graph 9



Graph 9 shows a breakdown of categories in confirmed cases. Healthcare workers account for 17% of the confirmed cases while long-term care residents account for 20% of confirmed cases. The remaining 63% 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 10



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.

EPIDEMIOLOGICAL REPORT ON COVID-19

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.

A confirmed case or death is defined by meeting confirmatory laboratory evidence for COVID-19. A probable case or death is defined by i) meeting clinical criteria AND epidemiologic evidence with no confirmatory laboratory testing performed for COVID-19; or ii) meeting presumptive laboratory evidence AND either clinical criteria OR epidemiologic evidence; or iii) meeting vital records criteria with no confirmatory laboratory testing performed for COVID-19.

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>