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

October 20, 2020 Epi Report

**COVID-19 Snapshot
Stark County, Ohio
as of 11:30am
October 20, 2020**

Level 1	Level 2	Level 3	Level 4

Stark County is currently at a **Level 3 (Red)** Status as indicated by the Ohio Public Health Advisory System-**Indicators 1, 2, 3 & 5 were met.**
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

Total: 3427

Active/Open Cases: 1410

Closed: (includes Deaths) 2017

Closed due to Death: 173

Probable Cases

Total: 318

Active/Open Cases: 162

Closed: (includes Deaths) 156

Closed due to Death: 5

Hospitalized Confirmed & Probable Cases

Yes: (includes ICU) 381

Yes, ICU: 78

Discharged: (includes 73 Deaths) 285

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 10.20.2020 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. Caution should be exercised as data is subject to change. Numbers may differ from ODH dependent on time data was accessed.

For questions regarding this report, please contact:
Amanda Archer, MPH aarcher@cantonhealth.org
Jessica Boley, RD, LD jboley@cantonhealth.org
Chelsea Sadinski, MPH SadinskiC@starkhealth.org

A joint collaboration between Stark County Public Health Agencies Final 10.20.2020

Stark County Epi Situational Report - COVID-19
Table 1 as of: 10/20/2020 2:00PM

Next report scheduled: 10/23/2020

Cases Reported to Stark LHDs		
Data as of 10.20.2020 1200		
Positive/Confirmed	3427	
Hospitalized	379	11.06%
ICU Admissions	77	2.25%
Deaths in Confirmed Cases	173	5.05%
Probable Cases	318	
Deaths in Probable Cases	5	

Cases Reported to ODH		
Data as of 10.20.2020 1400		
Positive/Confirmed	174,859	
Hospitalized*	17,388	9.94%
ICU Admissions*	3597	2.06%
Deaths in Confirmed Cases	4775	2.73%
Probable Cases	10,780	
Deaths in Probable Cases	308	
*Hospitalized & ICU includes confirmed & probable		

Descriptive Statistics for Stark County Confirmed Cases

Gender	Confirmed Cases		Deaths
Male	1442	42.1%	90
Female	1960	57.2%	83
Unknown	25	0.7%	0
Total	3427		173

Ethnicity	Hispanic	Non-Hisp	Unknown*
Count	146	2296	985
%	4%	67%	29%

Race		Asian/Pacific Islander		
	White	Black	Other	Unknown*
Count	2236	402	22	160	607
%	65%	12%	1%	5%	18%
*Unknown counts includes refused to answer responses				

Illness Information for Stark County Confirmed Cases-Cumulative Counts
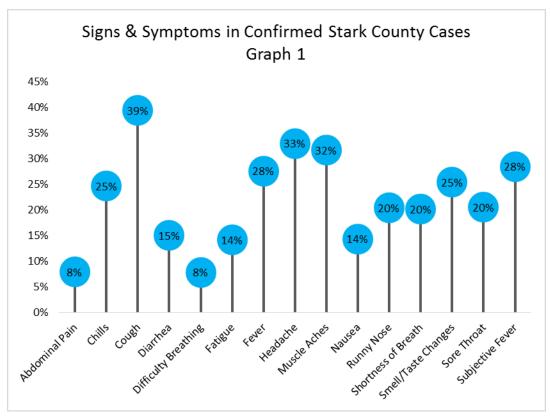
Hospitalized		
Yes	379	11.1%
No	3031	88.4%
Unknown	17	0.5%

Pre-existing Conditions		
Yes	1491	44%
No	1936	56%

If hospitalized, in ICU?		
Yes	77	20%
No	302	80%

Discharged from Hospital		
ICU	56	
Other	227	
Some cases may be discharged due to death.		

A joint collaboration between Stark County Public Health Agencies Final 10.20.2020

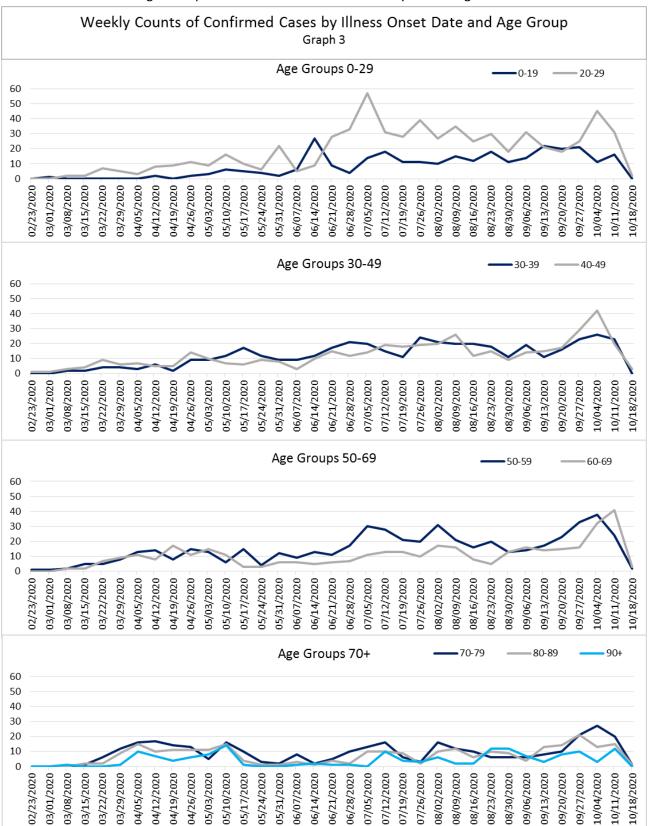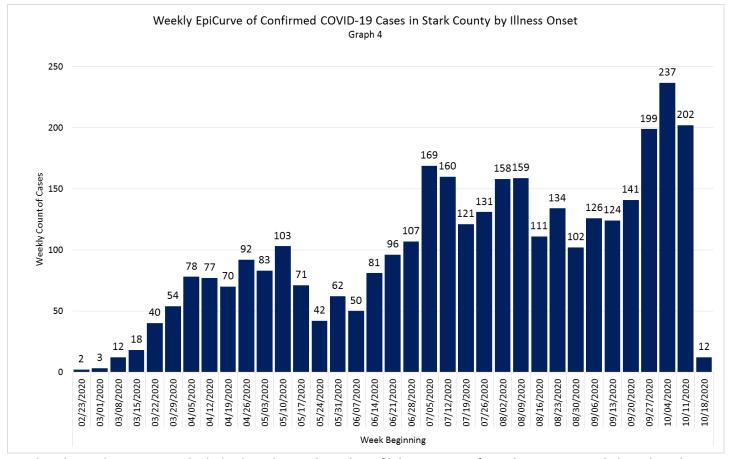## Signs & Symptoms in Confirmed Stark County Cases
Graph 1

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
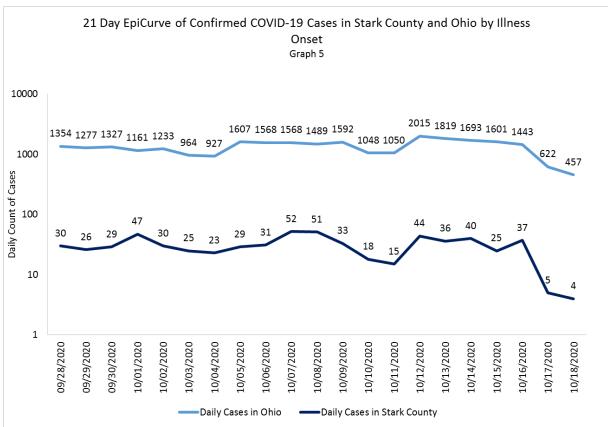### Graph 2

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. There is one probable and one confirmed case in which date of birth is currently unknown and not shown in graph above.

A joint collaboration between Stark County Public Health Agencies Final 10.20.2020

Graph 3 shows a breakdown of confirmed cases by week by age groups. There is one probable and one confirmed case in which date of birth is currently unknown and not shown in graph below. 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.

Weekly Counts of Confirmed Cases by Illness Onset Date and Age Group
Graph 3

A joint collaboration between Stark County Public Health Agencies Final 10.20.2020

Weekly EpiCurve of Confirmed COVID-19 Cases in Stark County by Illness Onset
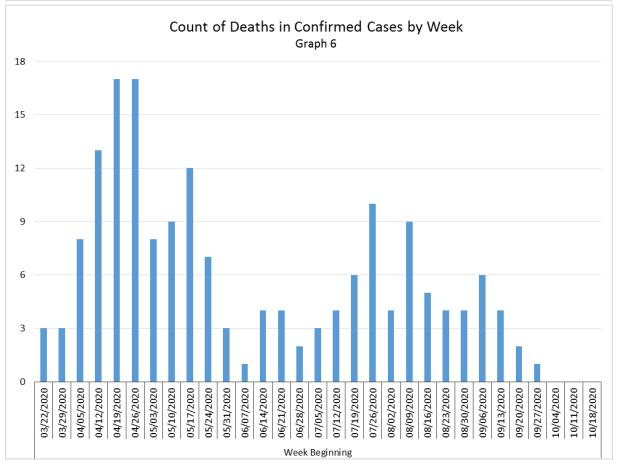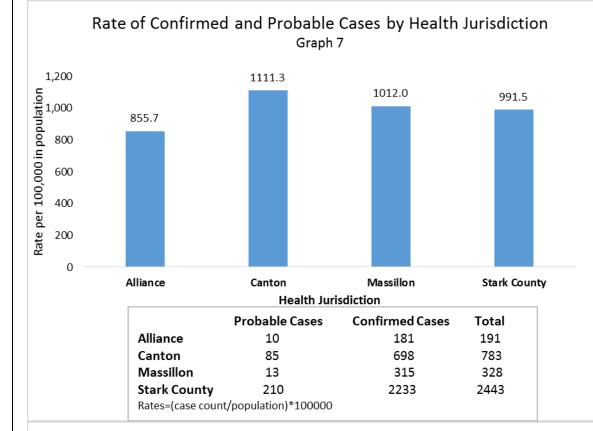### Graph 4

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. 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. Stark County's first confirmed case reported an illness onset date of 2/25/2020. **This data only includes data up until 11:30am on 10/20/2020.**
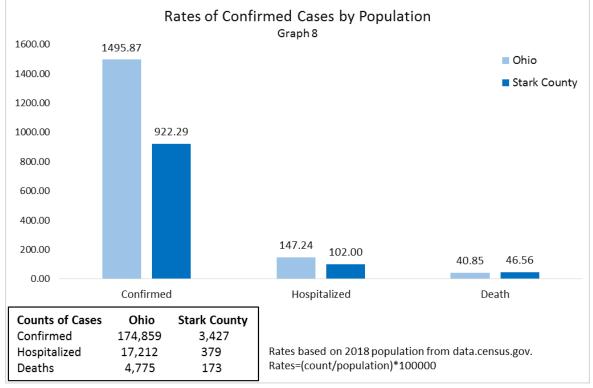
21 Day EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset
Graph 5

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 11:30am on 10/20/2020. This isn't an automated process which is why it may be a week or longer for a death to be documented.

A joint collaboration between Stark County Public Health Agencies Final 10.20.2020

Rate of Confirmed and Probable Cases by Health Jurisdiction
Graph 7

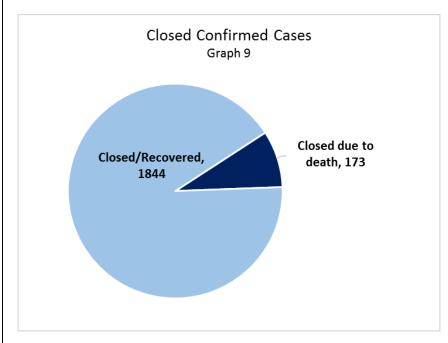|	Probable Cases	Confirmed Cases	Total
Alliance	10	181	191
Canton	85	698	783
Massillon	13	315	328
Stark County	210	2233	2443

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	174,859	3,427
Hospitalized	17,212	379
Deaths	4,775	173

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.
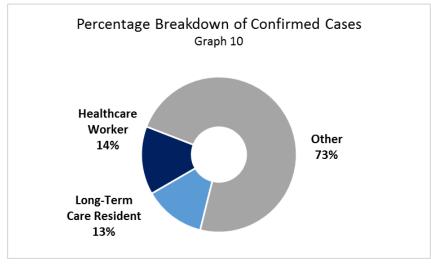
- Ohio's rate of laboratory confirmed cases is 1.6x higher than those in Stark County.
- Ohio's rate of laboratory confirmed cases who require hospitalization is 1.4x higher than Stark County's rate.
- Stark County's rate of death due to COVID-19 complications is 1.1x higher than Ohio's rate.

A joint collaboration between Stark County Public Health Agencies Final 10.20.2020

Closed Confirmed Cases
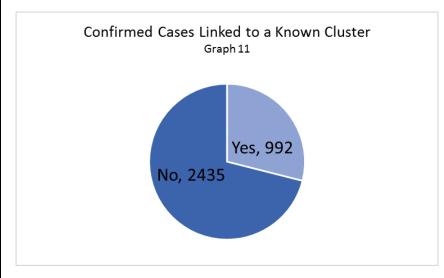### Graph 9

Closed/Recovered, 1844

Closed due to death, 173

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 2017 cases closed of which 173 (8.8%) 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

Healthcare Worker 14%

Long-Term Care Resident 13%

Other 73%

Graph 10 shows a breakdown of categories in confirmed cases. Healthcare workers account for 14% of the confirmed cases while long-term care residents account for 13% of confirmed cases. The remaining 73% 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

Yes, 992

No, 2435

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
• Meets confirmatory laboratory evidence. NOTE: Asymptomatic infections are reportable as confirmed cases.

Probable
• Meets clinical criteria AND epidemiologic linkage with no confirmatory laboratory testing performed for SARS-CoV-2;
OR
• Meets presumptive laboratory evidence AND either clinical criteria OR epidemiologic linkage;
OR
• Meets vital records criteria with no confirmatory laboratory evidence for SARS-CoV2.

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-ch-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