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
November 03, 2020 Epi Report

COVID-19 Snapshot
Stark County, Ohio
as of 11:15am
November 03, 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 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: 4382

Active/Open Cases: 2131

Closed: (includes Deaths) 2251

Closed due to Death: 181

Probable Cases

Total: 434

Active/Open Cases: 241

Closed: (includes Deaths) 193

Closed due to Death: 5

Hospitalized
Confirmed & Probable Cases

Yes: (includes ICU) 434

Yes, ICU: 85

Discharged: (includes 77 Deaths) 311

Age Range

Confirmed Cases: <1-108

Hospitalized in Confirmed Cases: 13-105

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 11.03.2020 11:15am (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:
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Stark County Epi Situational Report - COVID-19
Table 1 as of: 11/03/2020 2:00PM

Next report scheduled: 11/06/2020

Cases Reported to Stark LHDs		
Data as of 11.03.2020 11:15		
Positive/Confirmed	4382	
Hospitalized	431	9.84%
ICU Admissions	83	1.89%
Deaths in Confirmed Cases	181	4.13%
Probable Cases	434	
Deaths in Probable Cases	5	

Cases Reported to ODH		
Data as of 11.03.2020 14:00		
Positive/Confirmed	213,350	
Hospitalized*	19,615	9.19%
ICU Admissions*	3924	1.84%
Deaths in Confirmed Cases	5049	2.37%
Probable Cases	12,788	
Deaths in Probable Cases	324	
*Hospitalized & ICU includes confirmed & probable		

Descriptive Statistics for Stark County Confirmed Cases

Gender			
	Confirmed Cases		Deaths
Male	1885	43.0%	93
Female	2467	56.3%	88
Unknown	30	0.7%	0
Total	4382		181

Ethnicity			
	Hispanic	Non-Hisp	Unknown*
Count	159	2719	1504
%	4%	62%	34%

Race					
	White	Black	Asian/Pacific Islander	Other	Unknown*
Count	2800	441	24	174	943
%	64%	10%	1%	4%	22%
*Unknown counts includes refused to answer responses					

Illness Information for Stark County Confirmed Cases-Cumulative Counts

Hospitalized		
Yes	431	9.8%
No	3927	89.6%
Unknown	24	0.5%

Pre-existing Conditions		
Yes	1640	37%
No	2742	63%

If hospitalized, in ICU?		
Yes	83	19%
No	348	81%

Discharged from Hospital		
ICU	61	
Other	309	
Some cases may be discharged due to death.		

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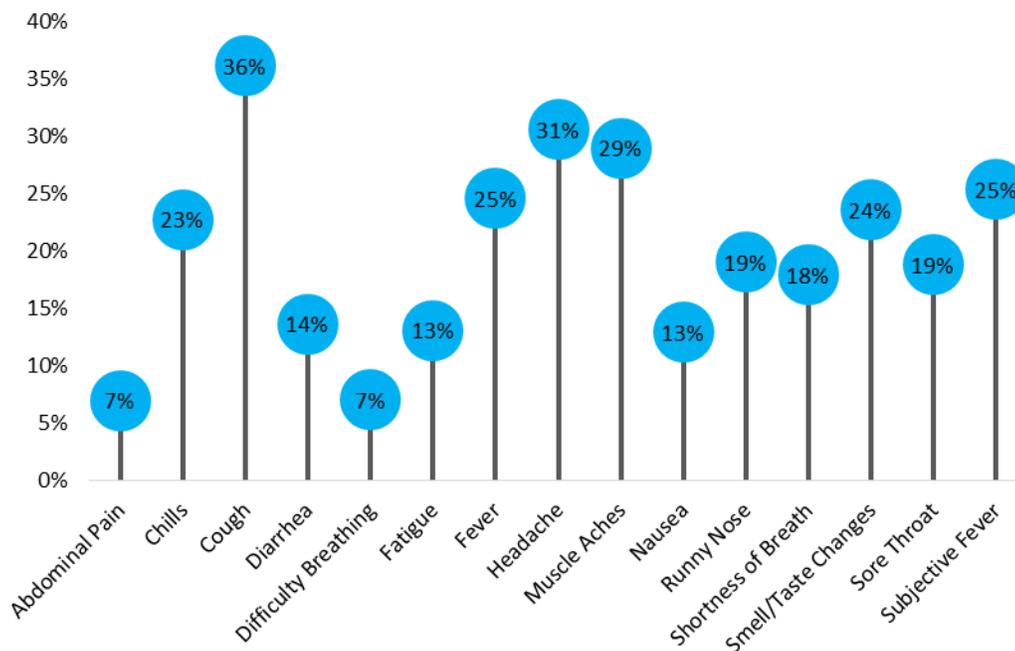
Graph 1 shows the incidence of signs and symptoms reported in confirmed cases of COVID-19 in Stark County. Two symptoms that are similar are subjective fever where in a patient felt feverish and fever in which is defined as a fever of >100.4F (38C). Additional symptoms may be added in the future as prevalence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

Abdominal Pain — 7%
Chills — 23%
Cough — 36%
Diarrhea — 14%
Difficulty Breathing — 7%
Fatigue — 13%
Fever — 25%
Headache — 31%
Muscle Aches — 29%
Nausea — 13%
Runny Nose — 19%
Shortness of Breath — 18%
Smell/Taste Changes — 24%
Sore Throat — 19%
Subjective Fever — 25%

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

Count of Confirmed & Probable Cases (y-axis: 0–1000)

Age Group	Total Confirmed Cases	Total Probable Cases	Deaths in Confirmed Cases
0-19	389	93	
20-29	785	89	
30-39	552	56	
40-49	552	56	
50-59	698	62	11
60-69	526	40	22
70-79	411	19	41, 1
80-89	306	5	59
90+	159	7	48, 4

Legend: ■ Total Confirmed Cases ■ Total Probable Cases □ Deaths in Confirmed Cases ■ Deaths in Probable Cases
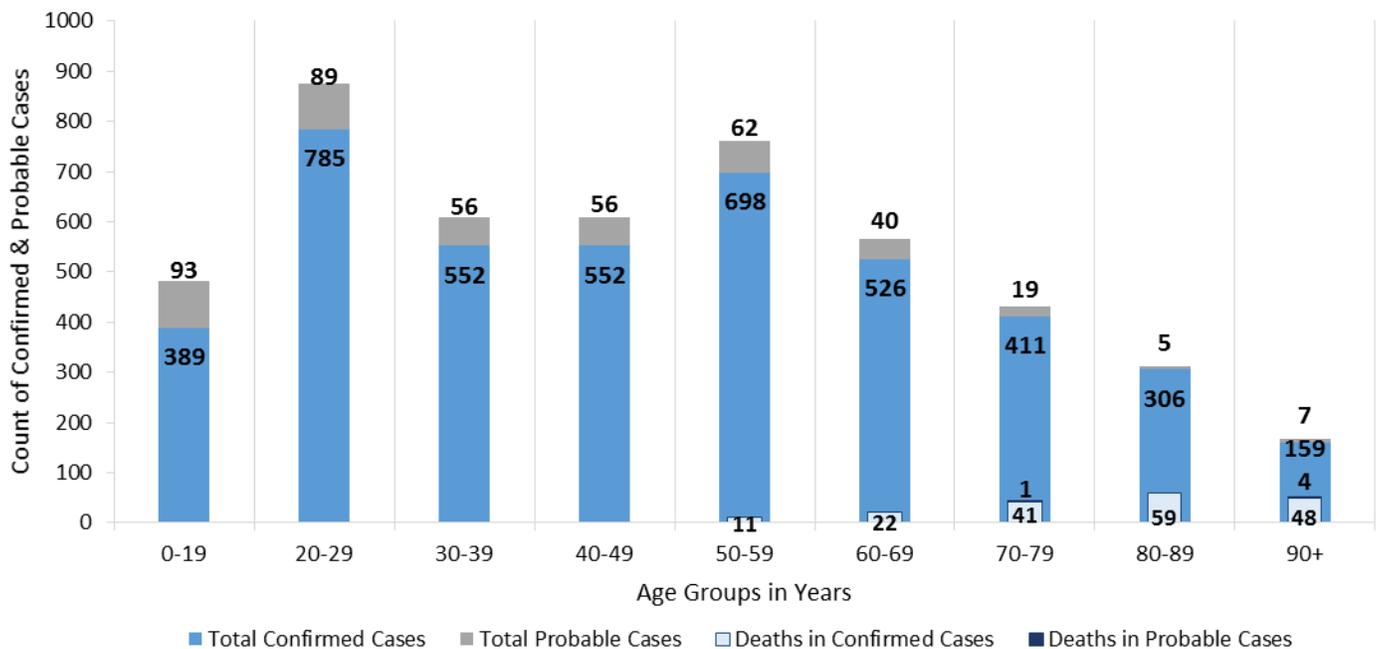
Graph 2 shows the cumulative number of laboratory-confirmed and probable cases and deaths in those cases by age group. There are seven probable cases and four confirmed cases in which date of birth is currently unknown and not shown in graph above.

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
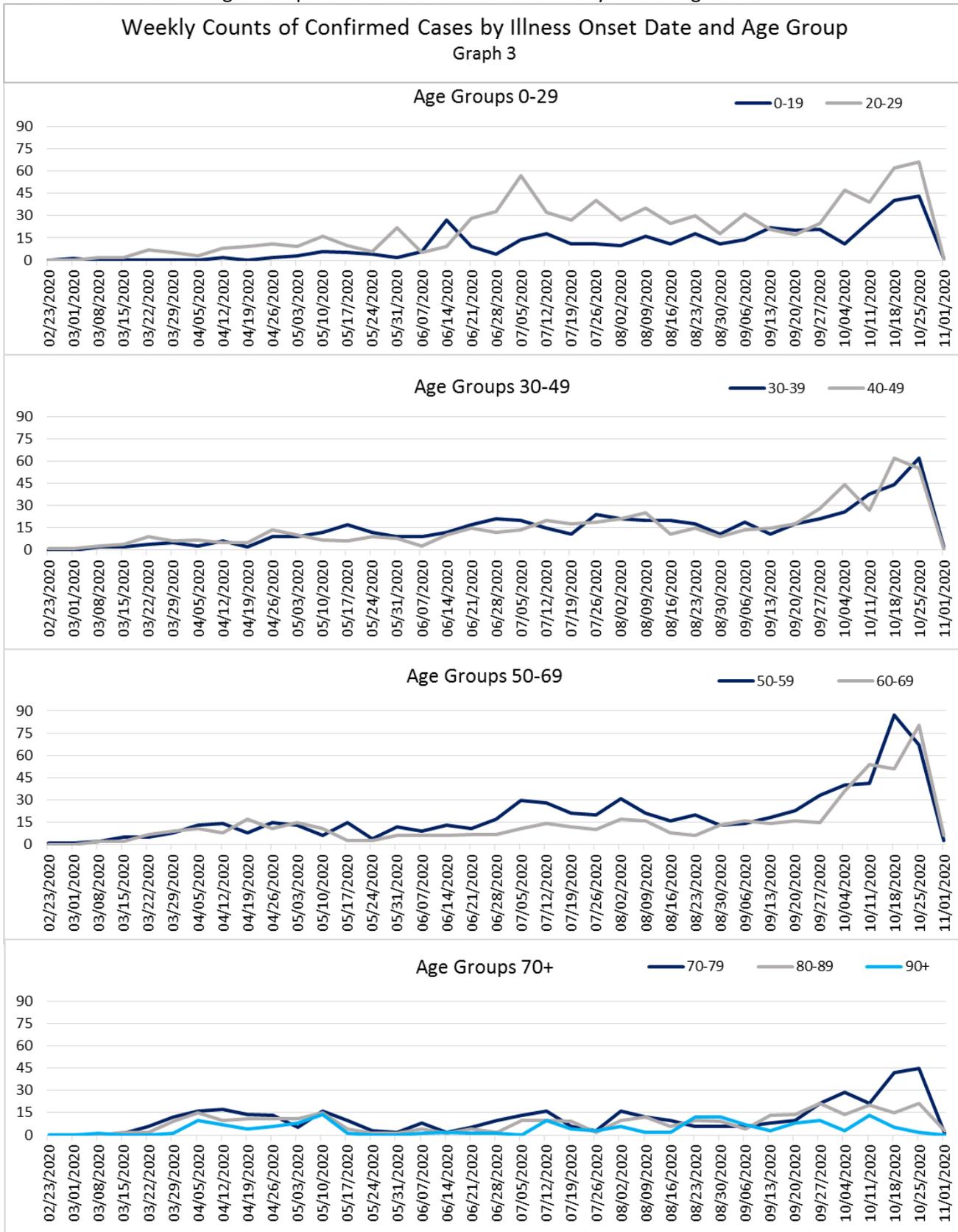
Weekly EpiCurve of Confirmed COVID-19 Cases in Stark County by Illness Onset
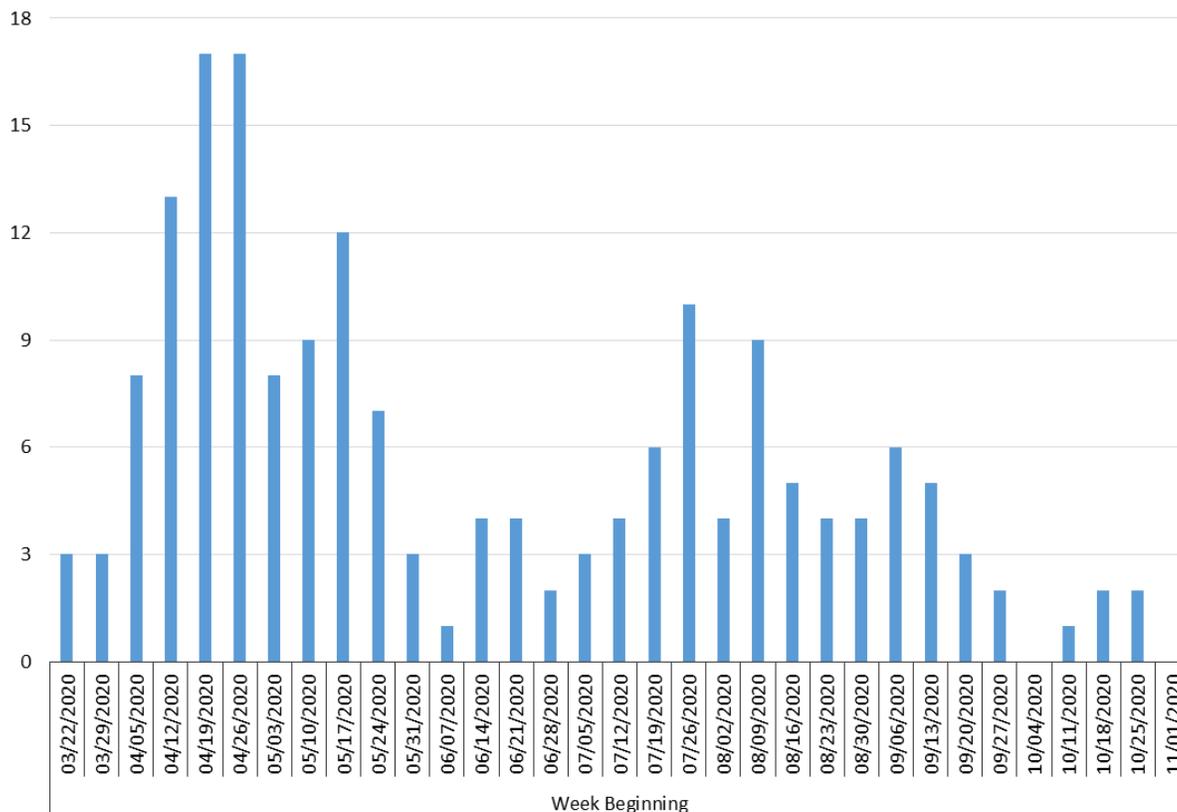### Graph 4
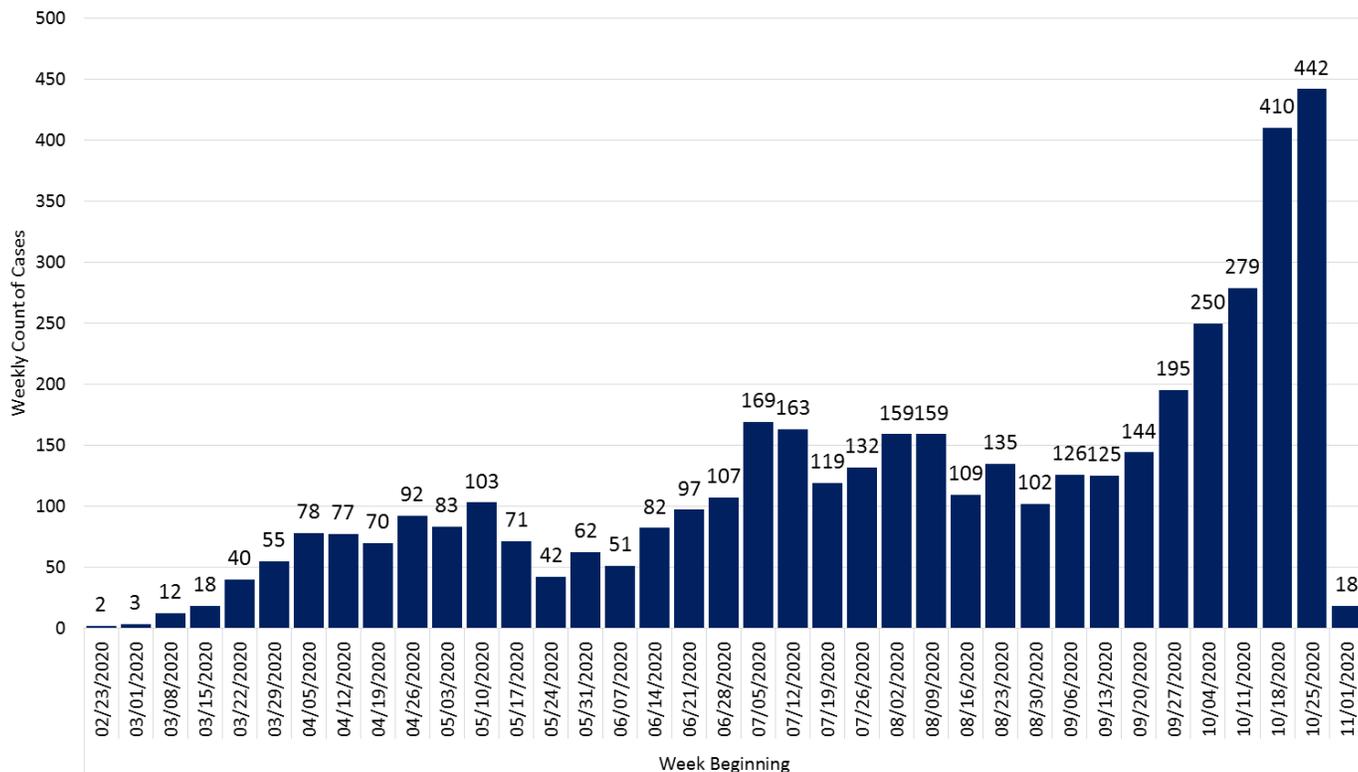
Graph 4 shows the EpiCurve which displays the total number of laboratory-confirmed cases per week, based on the illness onset date for Stark County. If the illness onset date is not available, the earliest known date is utilized, which could include the date the specimen was collected, the date of the 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 11:15am on 11/03/2020.**

21 Day EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset
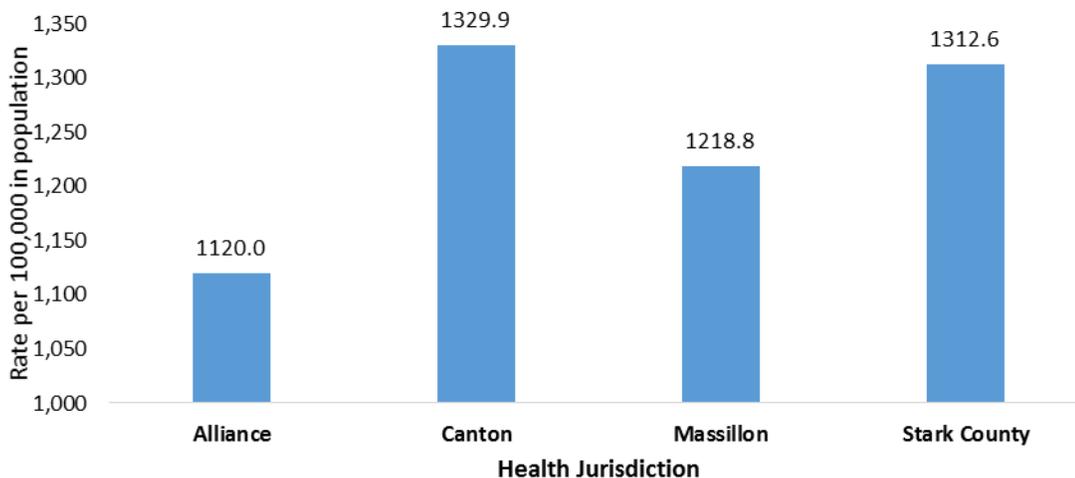### Graph 5
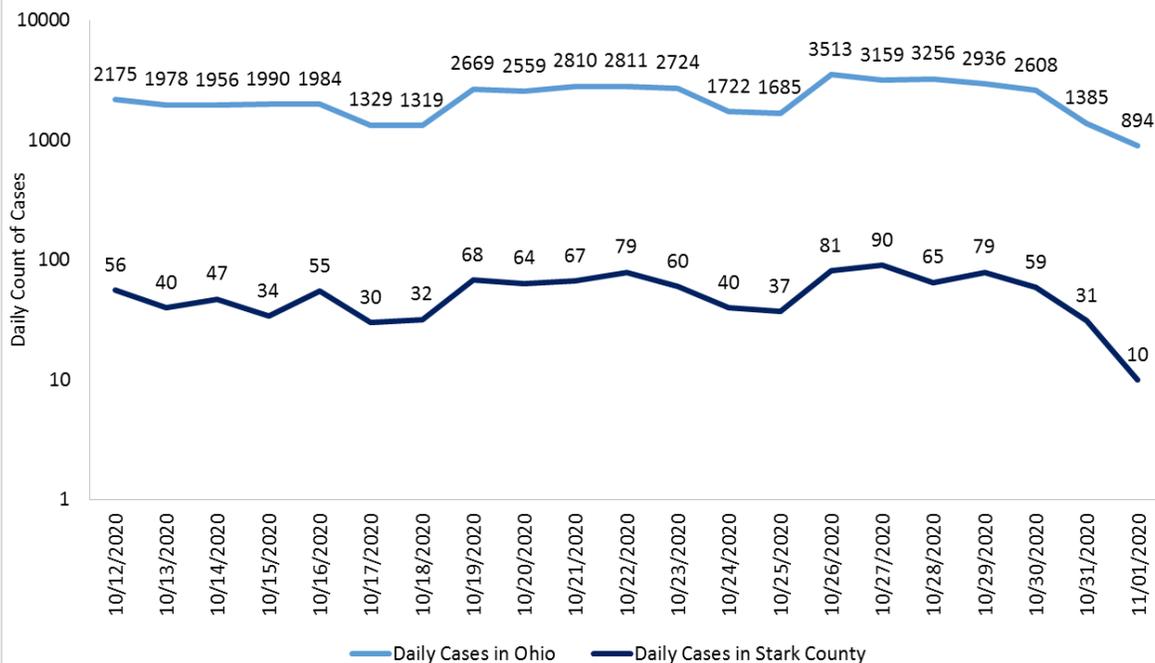
To help highlight short-term daily changes, Graph 5 shows daily counts of laboratory confirmed cases for a 21-day period.

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 11:15am on 11/03/2020. This isn't an automated process which is why it may be a week or longer for a death to be documented.

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Rate of Confirmed and Probable Cases by Health Jurisdiction
Graph 7

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.
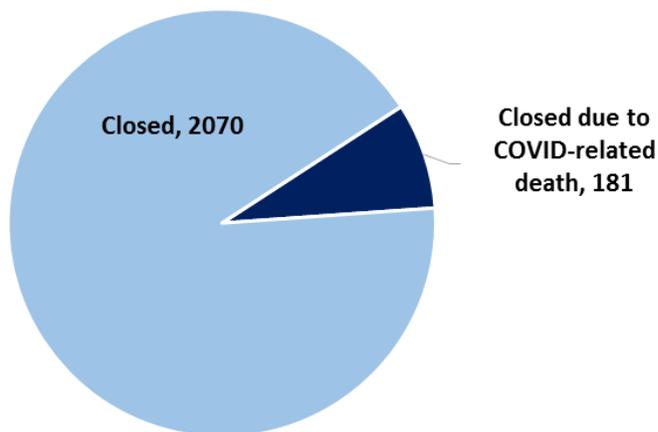
Rate per 100,000 in population

- Alliance: 1120.0
- Canton: 1329.9
- Massillon: 1218.8
- Stark County: 1312.6

Health Jurisdiction

	Probable Cases	Confirmed Cases	Total
Alliance	12	238	250
Canton	117	820	937
Massillon	17	378	395
Stark County	288	2946	3234

Rates=(case count/population)*100000

Rates of Confirmed Cases by Population
Graph 8

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
■ Stark County

- Confirmed — Ohio: 1825.15, Stark County: 1179.31
- Hospitalized — Ohio: 165.69, Stark County: 115.99
- Death — Ohio: 43.19, Stark County: 48.71
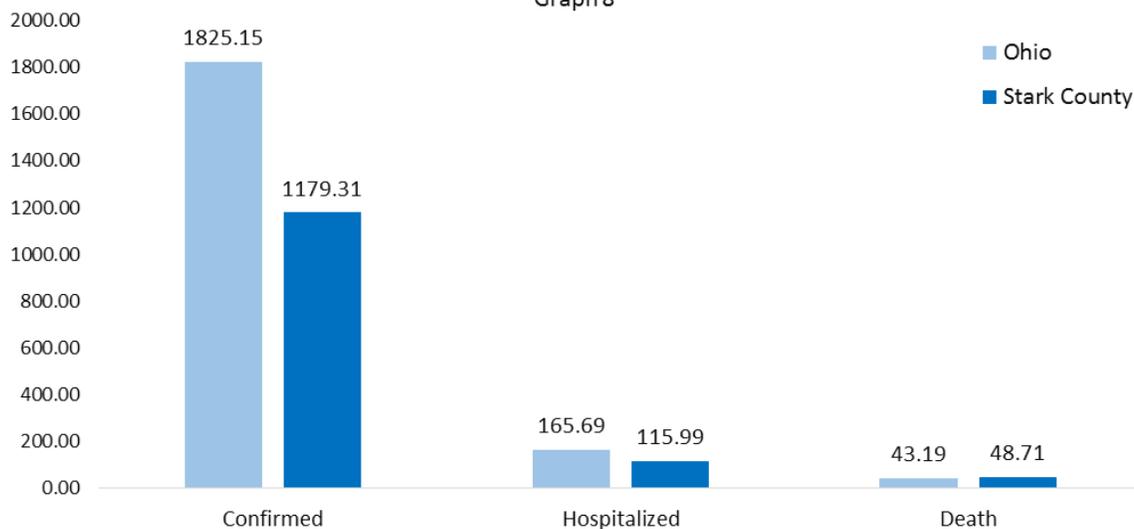
Counts of Cases	Ohio	Stark County
Confirmed	213,350	4,382
Hospitalized	19,368	431
Deaths	5,049	181

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

- Ohio's rate of laboratory confirmed cases is 1.5x 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.

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Closed Confirmed Cases
Graph 9

Closed, 2070

Closed due to COVID-related death, 181

Graph 9 is the counts of confirmed cases closed or closed due to death. Stark County has a total of 2251 cases closed of which 181 (8.0%) 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 13%

Long-Term Care Resident 10%

Other 77%
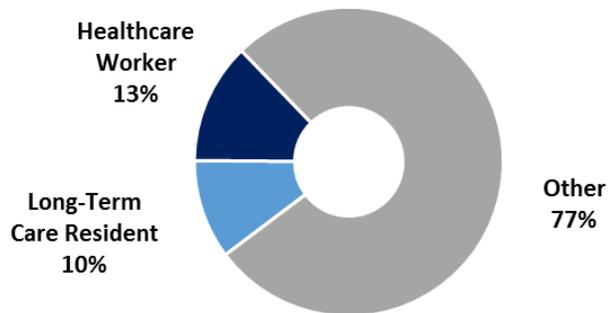
Graph 10 shows a breakdown of categories in confirmed cases. Healthcare workers account for 13% of the confirmed cases while long-term care residents account for 10% of confirmed cases. The remaining 77% do not belong in either of those categories. The percentages are based off of those that were affirmatively indicated to be either a healthcare worker or long-term care resident.

Confirmed Cases Linked to a Known Cluster
Graph 11

Yes, 1029

No, 3353
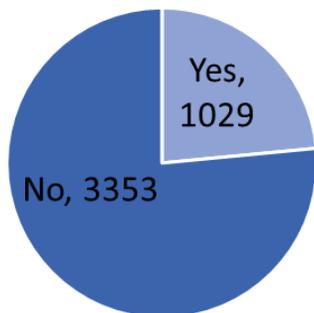
A cluster is defined as 2 or more cases with a common time and place of exposure. In Stark County, commonly these are work place, congregate living or family event/party settings. Additionally, cases that were exposed to original case members of the cluster and they subsequently became ill are also then 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