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 20, 2020 Epi Report

COVID-19 Snapshot Stark County, Ohio as of 1:00pm November 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, 4 & 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: 7228

Active/Open Cases: 4462

Closed: (includes Deaths) 2766

Closed due to Death: 190

Probable Cases

Total: 636

Active/Open Cases: 368

Closed: (includes Deaths) 268

Closed due to Death: 5

Hospitalized Confirmed & Probable Cases

Yes: (includes ICU) 547

Yes, ICU: 98

Discharged: (includes 88 Deaths) 361

Age Range

Confirmed Cases: <1-108

Hospitalized in Confirmed Cases: 8-105

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 11.20.2020 1:00 pm (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 depending 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: 11/20/2020 2:00PM

Next report scheduled: 11/24/2020

Cases Reported to Stark LHDs
Data as of 11.20.2020 13:00

Positive/Confirmed	7228	
Hospitalized	540	7.47%
ICU Admissions	95	1.31%
Deaths in Confirmed Cases	190	2.63%
Probable Cases	636	
Deaths in Probable Cases	5	

Cases Reported to ODH
Data as of 11.20.2020 14:00

Positive/Confirmed	318,151	
Hospitalized*	23,958	7.53%
ICU Admissions*	4,360	1.37%
Deaths in Confirmed Cases	5,578	1.75%
Probable Cases	17,272	
Deaths in Probable Cases	377	

*Hospitalized & ICU includes confirmed & probable

Descriptive Statistics for Stark County Confirmed Cases

Gender

	Confirmed Cases		Deaths
Male	3110	43.0%	99
Female	4042	55.9%	91
Unknown	76	1.1%	0
Total	7228		190

Ethnicity

	Hispanic	Non-Hisp	Unknown*
Count	189	3847	3192
%	3%	53%	44%

Race

	White	Black	Asian/Pacific Islander	Other	Unknown*
Count	4214	569	33	278	2134
%	58%	8%	0%	4%	30%

*Unknown counts includes refused to answer responses

## Illness Information for Stark County Confirmed Cases-Cumulative Counts

Hospitalized

Yes	540	7.5%
No	6649	92.0%
Unknown	39	0.5%

Pre-existing Conditions

Yes	1886	26%
No	5342	74%

If hospitalized, in ICU?

Yes	95	18%
No	445	82%

Discharged from Hospital

ICU	69	
Other	289	

Some cases may be discharged due to death.

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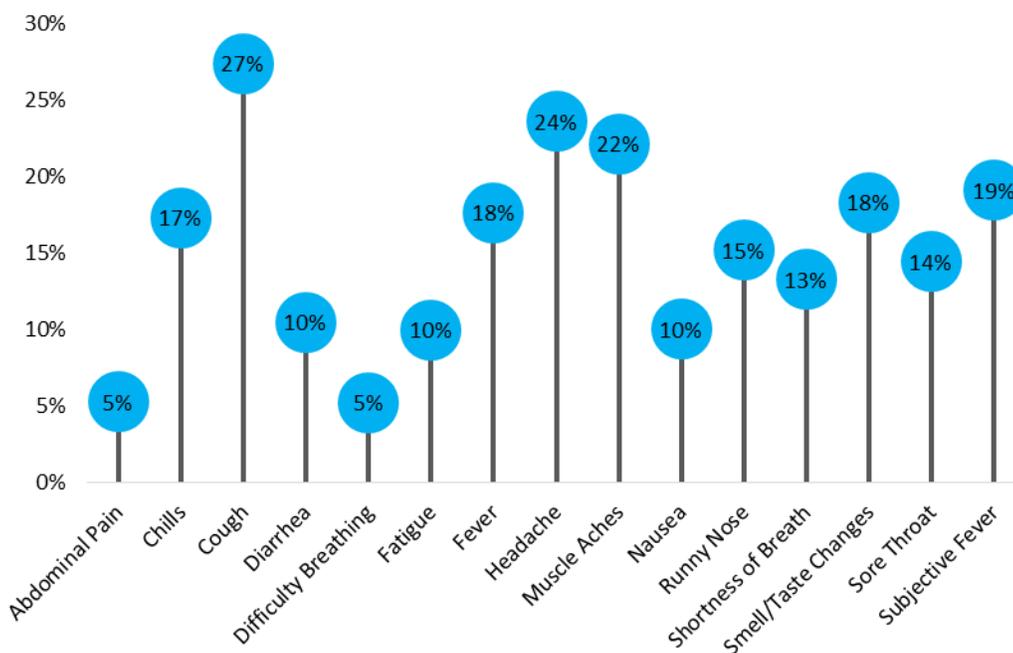
Graph 1 shows the incidence of signs and symptoms reported in confirmed cases of COVID-19 in Stark County. Two symptoms that are similar are subjective fever where in a patient felt feverish and fever in which is defined as a fever of >100.4F (38C). Additional symptoms may be added in the future as prevalence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

Symptom	Percentage
Abdominal Pain	5%
Chills	17%
Cough	27%
Diarrhea	10%
Difficulty Breathing	5%
Fatigue	10%
Fever	18%
Headache	24%
Muscle Aches	22%
Nausea	10%
Runny Nose	15%
Shortness of Breath	13%
Smell/Taste Changes	18%
Sore Throat	14%
Subjective Fever	19%

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

Age Group	Total Confirmed Cases	Total Probable Cases	Deaths in Confirmed Cases
0-19	731	130	
20-29	1269	129	
30-39	908	91	
40-49	980	79	
50-59	1153	84	12
60-69	869	64	24
70-79	640	26	44 / 1
80-89	449	13	61
90+	222 / 4	10	49

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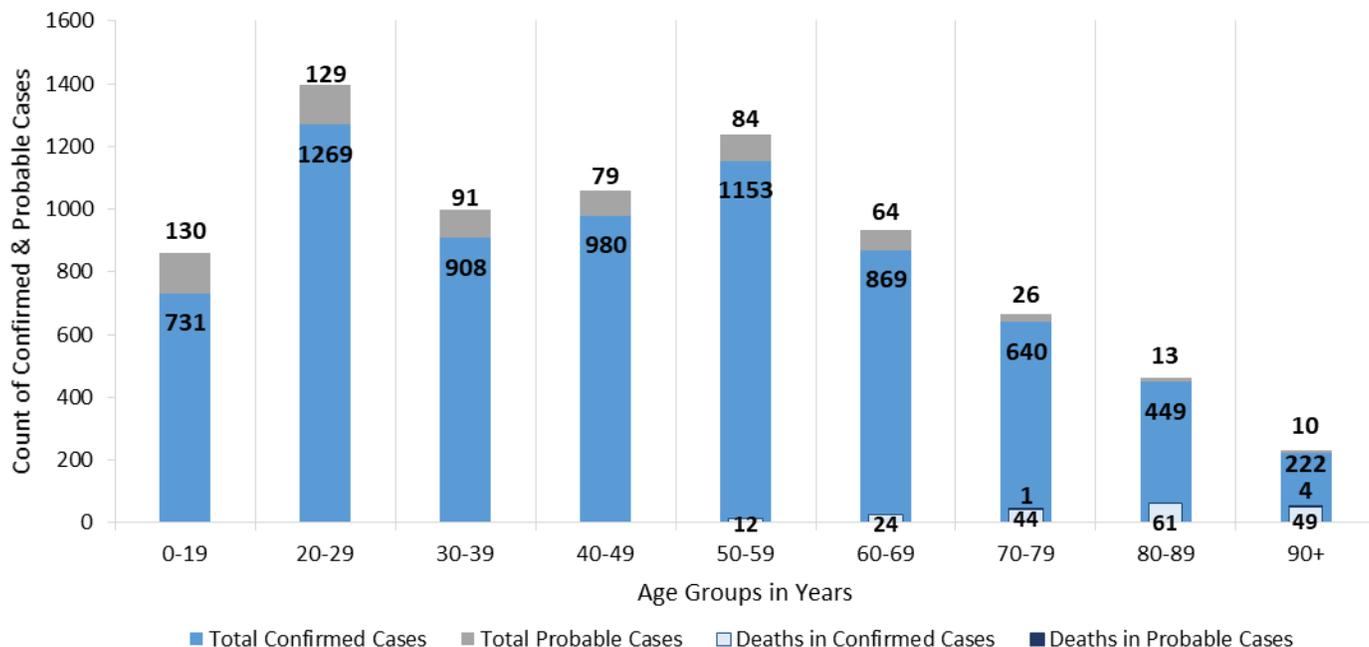
Graph 2 shows the cumulative number of laboratory-confirmed and probable cases and deaths in those cases by age group. There are ten probable cases and seven confirmed cases in which date of birth is currently unknown and not shown in graph above.

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Graph 3 shows a breakdown of confirmed cases by week by age groups. There are ten probable cases and seven confirmed cases 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

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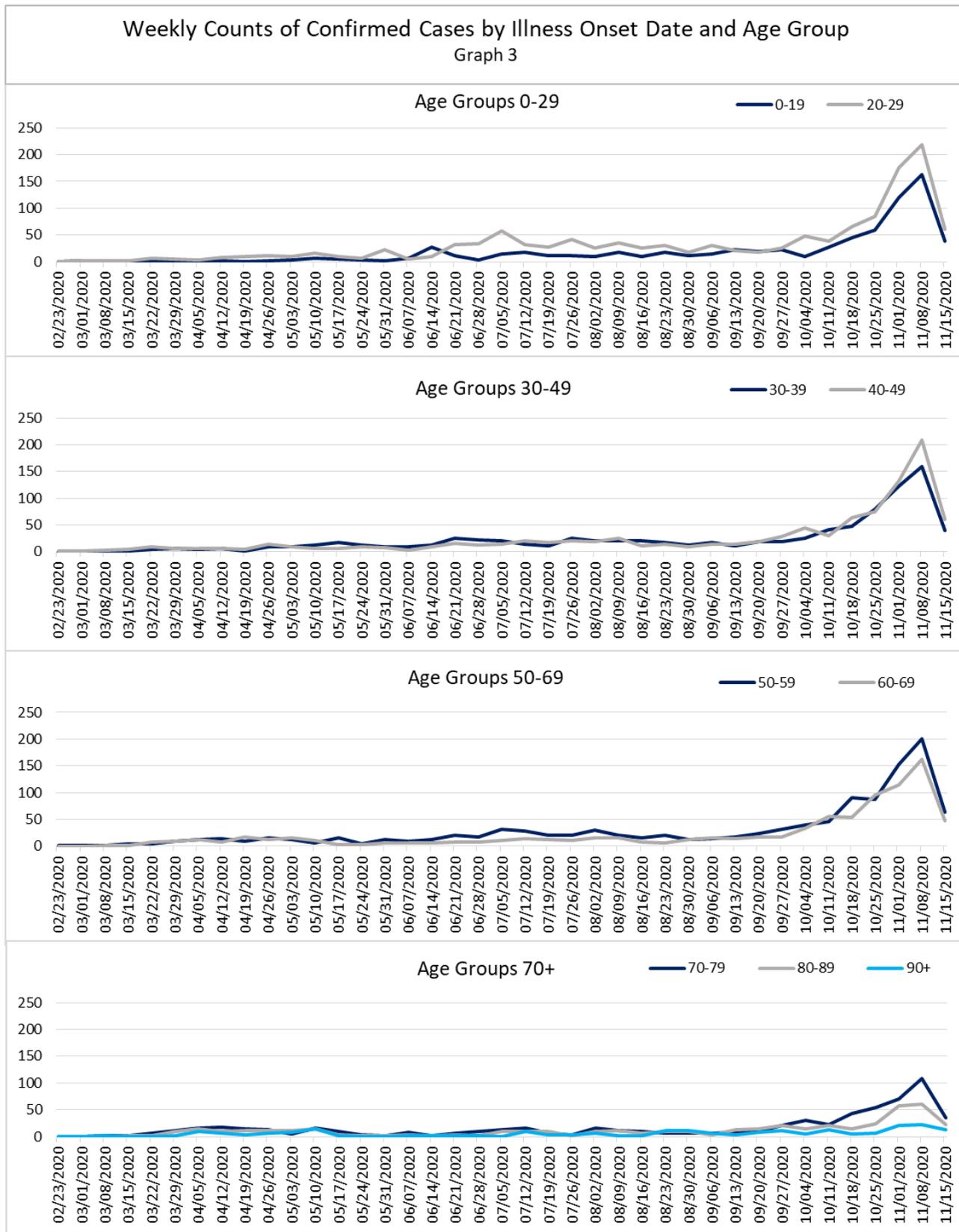
Weekly EpiCurve of Confirmed COVID-19 Cases in Stark County by Illness Onset
Graph 4
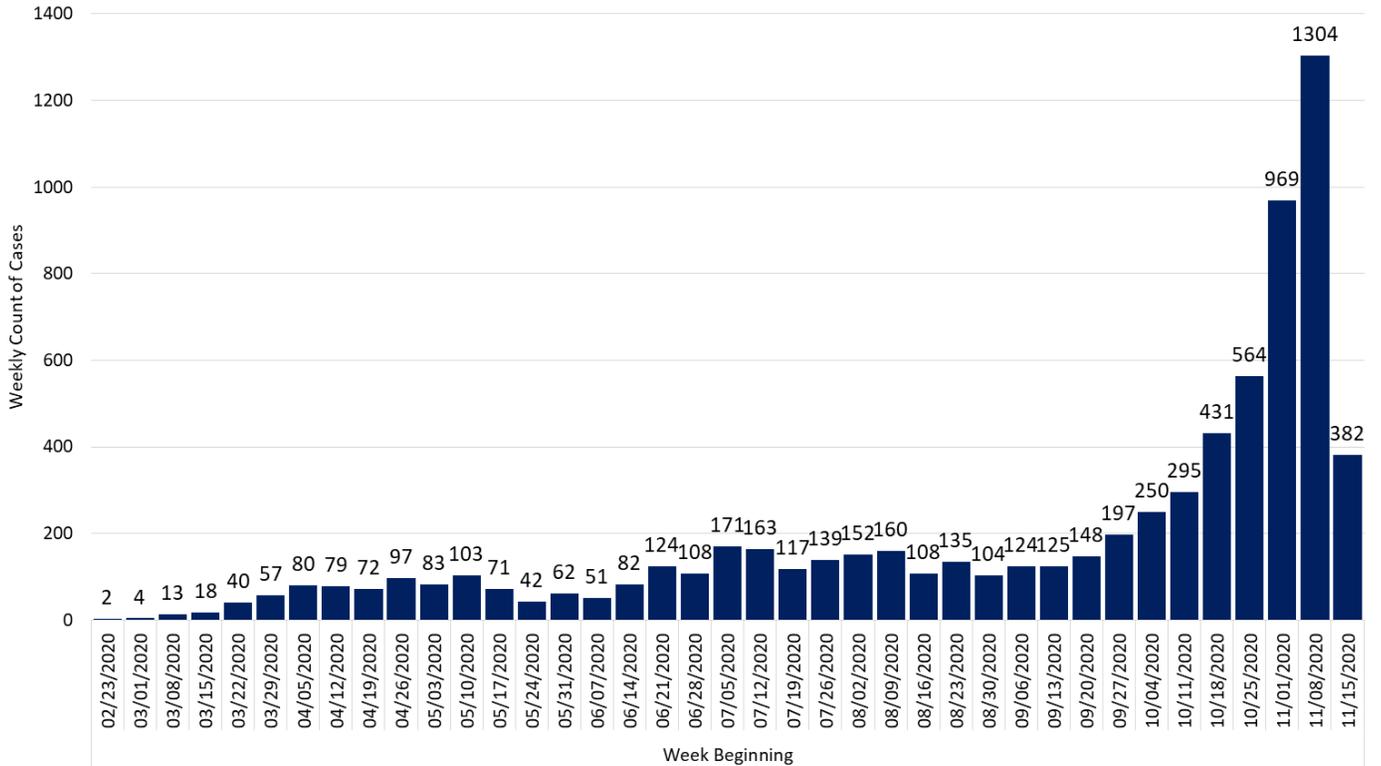
Graph 4 shows the EpiCurve which displays the total number of laboratory-confirmed cases per week, based on the illness onset date for Stark County. If the illness onset date is not available, the earliest known date is utilized, which could include the date the specimen was collected, the date of the 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 1:00 pm on 11/20/2020.**

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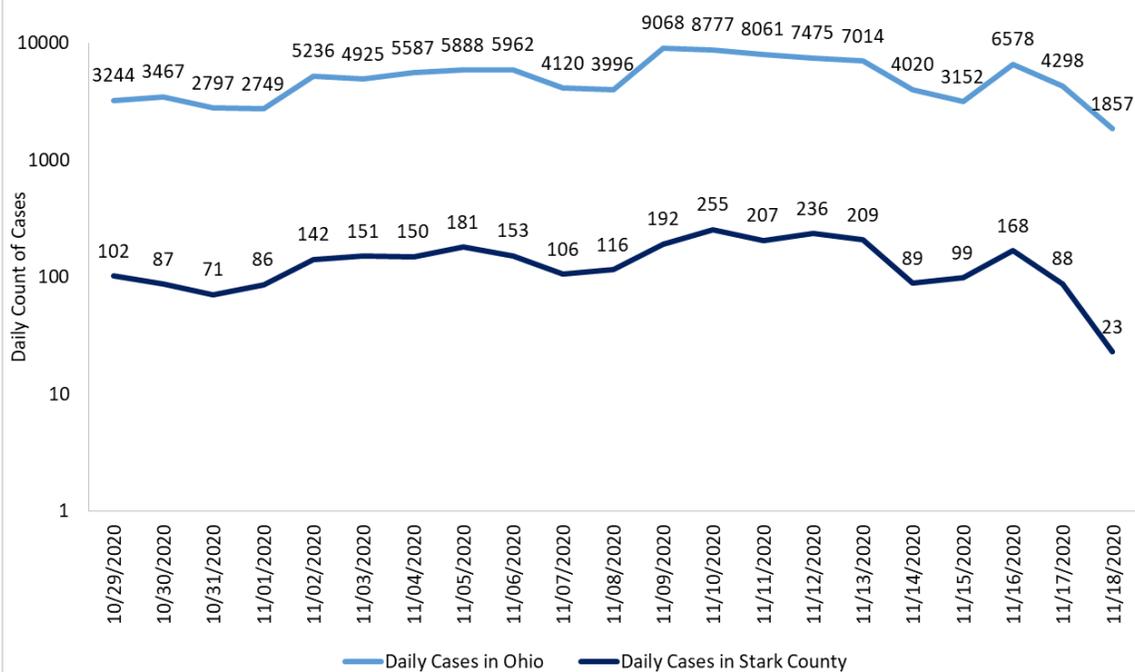
To help highlight short-term daily changes, Graph 5 shows daily counts of laboratory confirmed cases for a 21-day period.

Count of Deaths in Confirmed Cases by Week
Graph 6
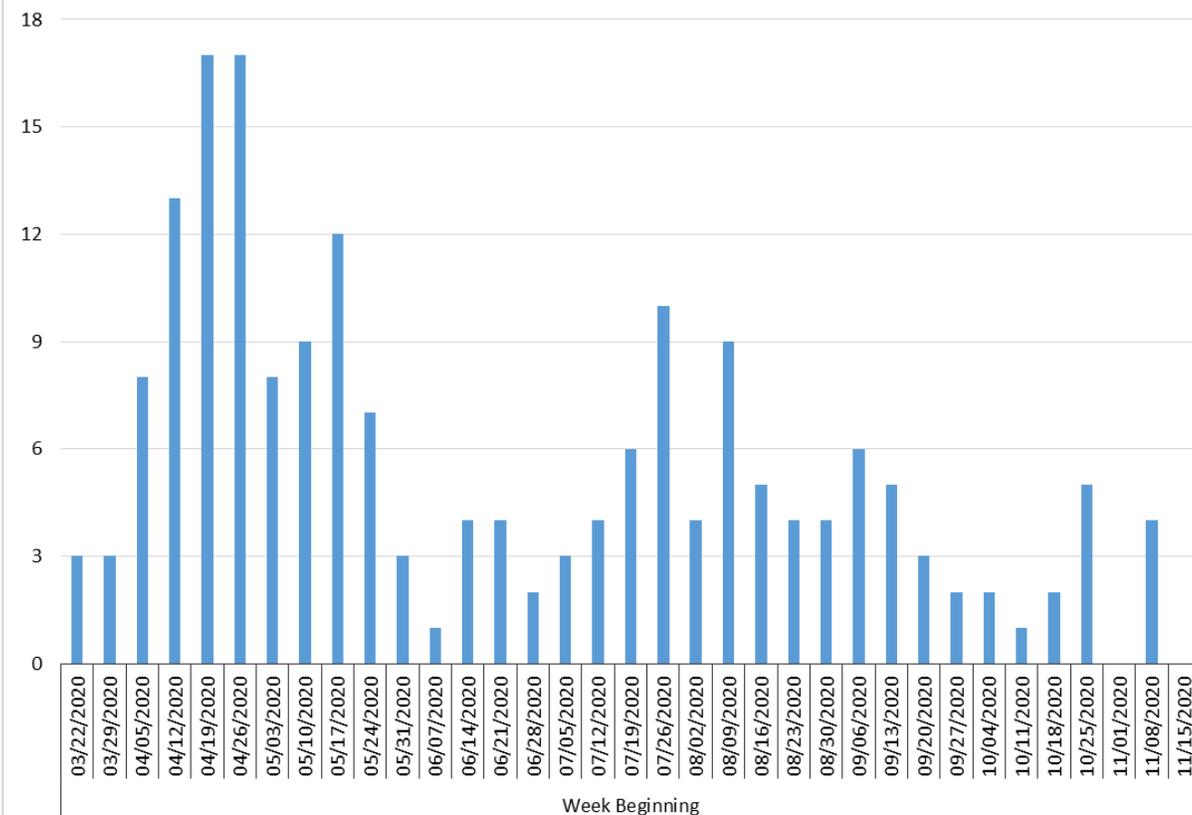
Graph 6 is a breakdown of death counts in laboratory-confirmed cases by week in which the death occurred. Includes only deaths reported to the local health department as of 1:00pm on 11/20/2020. This isn't an automated process which is why it may be a week or longer for a death to be documented.

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Rate of Confirmed and Probable Cases by Health Jurisdiction
Graph 7
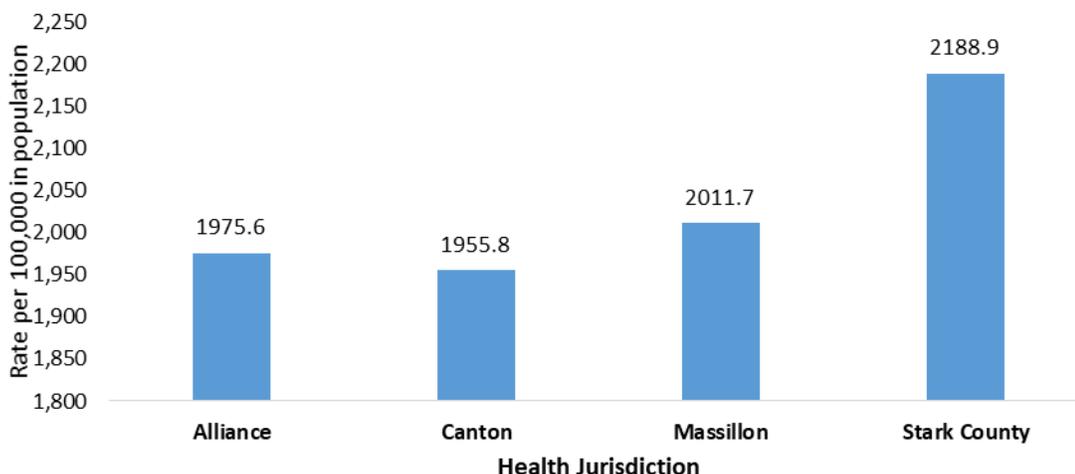
Health Jurisdiction	Probable Cases	Confirmed Cases	Total
Alliance	16	425	441
Canton	172	1206	1378
Massillon	44	608	652
Stark County	404	4989	5393

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
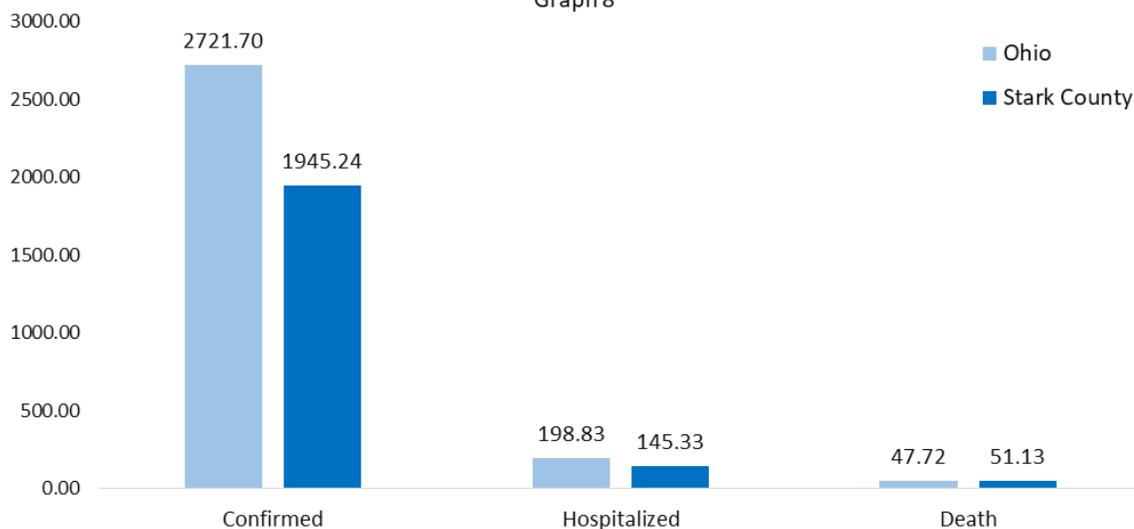
Counts of Cases	Ohio	Stark County
Confirmed	318,151	7,228
Hospitalized	23,242	540
Deaths	5,578	190

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 1.4x 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, 2631

Closed due to COVID-related death, 190
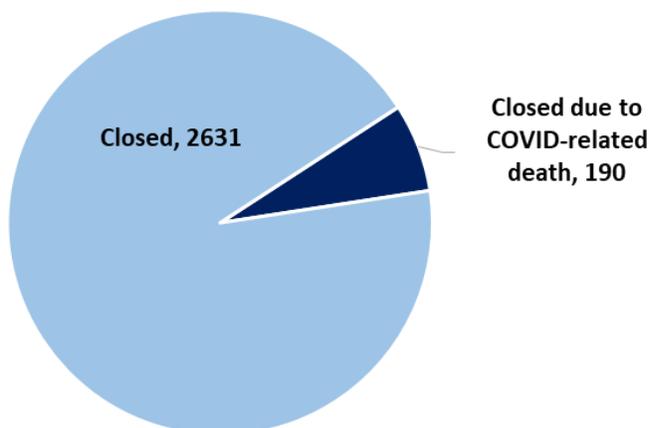
Graph 9 is the count of confirmed cases closed or closed due to death. Stark County has a total of 2821 cases closed of which 190 (6.7%) are due to death.

Cases can be closed for the following reasons:

▪ The person passed away. Can be either COVID-related or not COVID-related.

▪ 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 9%

Long-Term Care Resident 8%

Other 83%
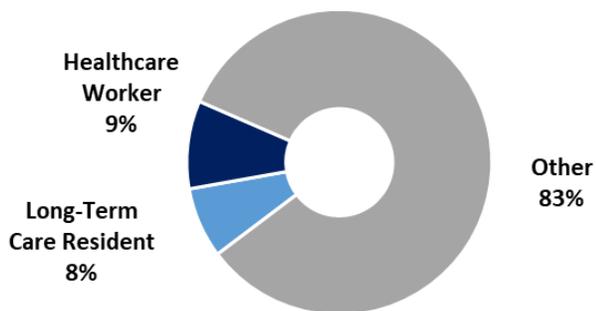
Graph 10 shows a breakdown of categories in confirmed cases. Healthcare workers account for 9% of the confirmed cases while long-term care residents account for 8% of confirmed cases. The remaining 83% do not belong in either of those categories. The percentages are based off of those that were affirmatively indicated to be either a healthcare worker or long-term care resident.

Confirmed Cases Linked to a Known Cluster
Graph 11

Yes, 1126

No, 6102
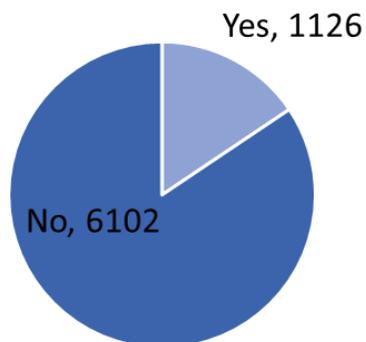
A cluster is defined as 2 or more cases with a common time and place of exposure. In Stark County, commonly these are work place, congregate living or family event/party settings. Additionally, cases that were exposed to original case members of the cluster and they subsequently became ill are also then 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