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
July 21, 2020 Epi Report

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

Level 1	Level 2	Level 3	Level 4

Stark County is currently at a **Level 2 (Orange)** 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

Total: 1325

Active/Open Cases: 396

Closed: (includes Deaths) 929

Closed due to Death: 117

Probable Cases

Total: 80

Active/Open Cases: 19

Closed: (includes Deaths) 61

Closed due to Death: 4

Hospitalized
Confirmed & Probable Cases

Yes: (includes ICU) 222

Yes, ICU: 48

Discharged: (includes 47 Deaths) 139

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 07.21.2020 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.

For questions regarding this report, please contact:
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Stark County Epi Situational Report - COVID-19
Table 1 as of: 07/21/2020 2:00PM

Next report scheduled: 07/24/2020

Cases Reported to Stark LHDs
Data as of 07.21.2020 1200

Positive/Confirmed	1325	
Hospitalized	221	16.68%
ICU Admissions	48	3.62%
Deaths in Confirmed Cases	117	8.83%
Probable Cases	80	
Deaths in Probable Cases	4	

Cases Reported to ODH
Data as of 07.21.2020 1400

Positive/Confirmed	72963	
Hospitalized	9654	13.23%
ICU Admissions	2367	3.24%
Deaths in Confirmed Cases	2959	4.06%
Probable Cases	4252	
Deaths in Probable Cases	260	

Descriptive Statistics for Stark County Confirmed Cases

Gender

	Confirmed Cases		Deaths
Male	562	42.4%	59
Female	759	57.3%	58
Unknown	4	0.3%	0
Total	1325		117

Ethnicity

	Hispanic	Non-Hisp	Unknown
Count	111	962	252
%	8%	73%	19%

Race

	White	Black	Asian/Pacific Islander	Other	Unknown
Count	923	123	15	117	147
%	70%	9%	1%	9%	11%

Illness Information for Stark County Confirmed Cases-Cumulative Counts

Hospitalized

Yes	221	17%
No	1100	83%
Unknown	4	0%

Pre-existing Conditions

Yes	872	66%
No	453	34%

If hospitalized, in ICU?

Yes	48	22%
No	173	78%

Discharged from Hospital

ICU	38	
Other	101	

Some cases may be discharged due to death.

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Signs & Symptoms in Confirmed Stark County Cases
Graph 1

Abdominal Pain 8%
Chills 30%
Cough 47%
Diarrhea 16%
Fatigue 11%
Fever 36%
Headache 36%
Muscle Aches 36%
Nausea 17%
Runny Nose 20%
Shortness of Breath 27%
Smell/Taste Changes 26%
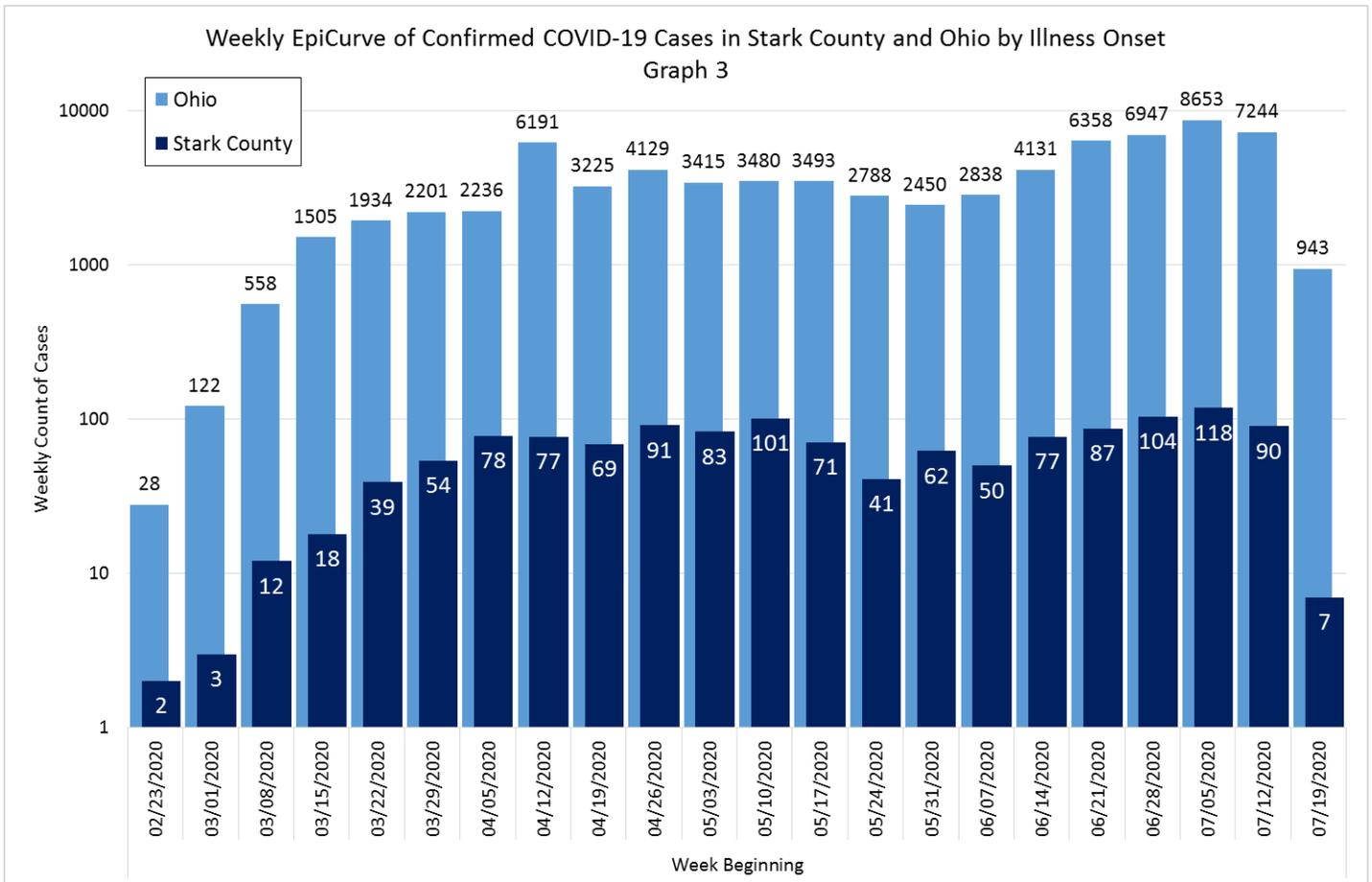Sore Throat 21%
Subjective Fever 38%
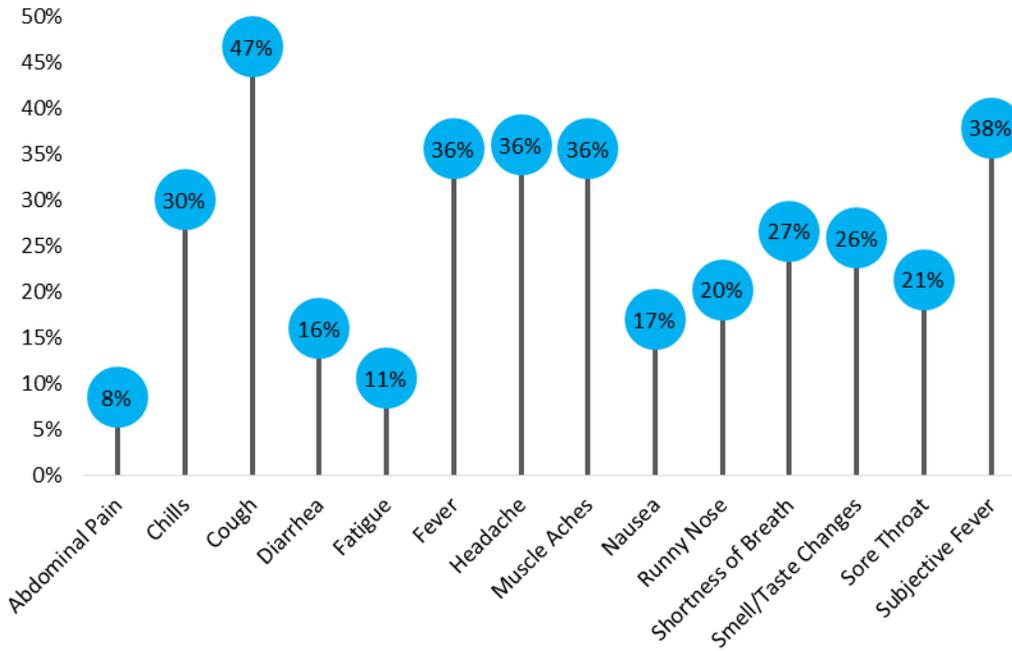
Graph 1 shows the incidence of signs and symptoms reported in confirmed cases of COVID-19 in Stark County. Two symptoms that are similar are subjective fever where in a patient felt feverish and fever in which is defined as a fever of >100.4F (38C). Additional symptoms may be added in the future as prevalence increases.

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

Count of Confirmed & Probable Cases — Age Groups in Years

Age Group	Total Confirmed Cases	Total Probable Cases	Deaths in Confirmed Cases
0-19	90	9	
20-29	237	19	
30-39	171	8	
40-49	152	15	
50-59	207	10	8
60-69	140	9	15
70-79	155	5	33
80-89	113	1	38
90+	60	4	23 / 3

Legend: ■ Total Confirmed Cases ■ Total Probable Cases ☐ Deaths in Confirmed Cases ■ Deaths in Probable Cases
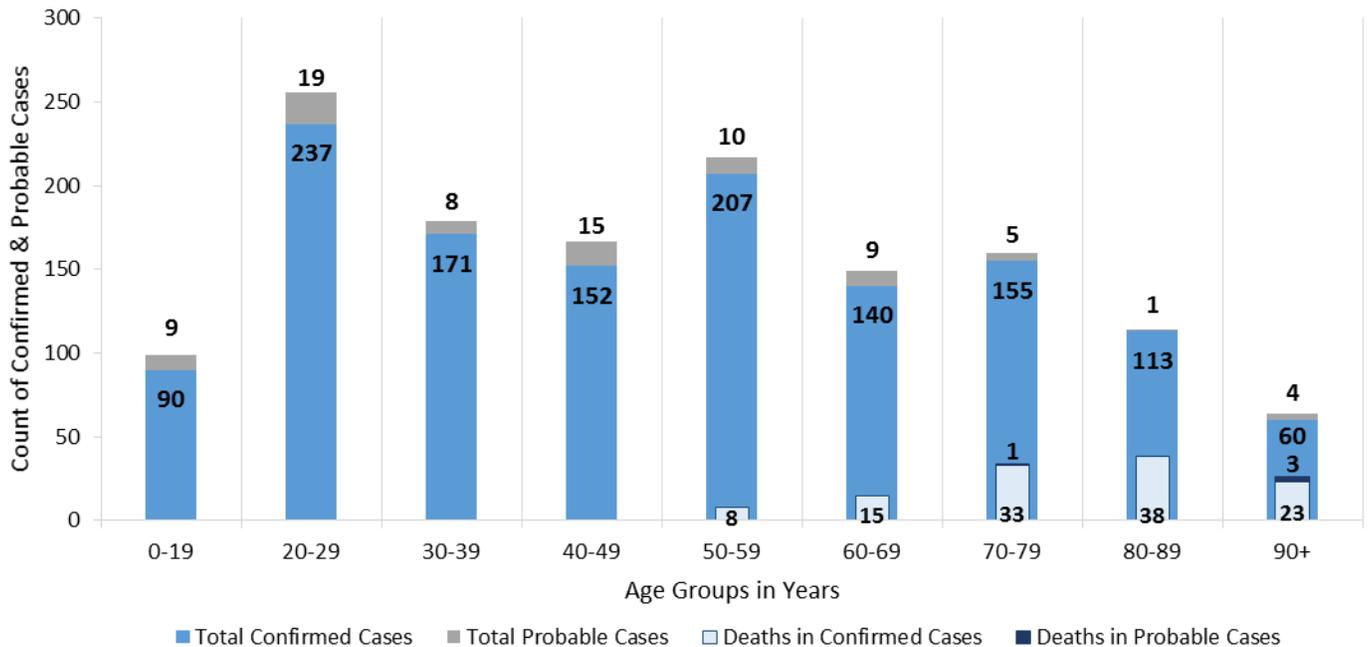
Graph 2 shows the cumulative number of laboratory-confirmed and probable cases and deaths in those cases by age group. Age groups may be broken down further as new cases emerge.

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Weekly EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset
Graph 3

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 11:30am on 7/21/2020.**
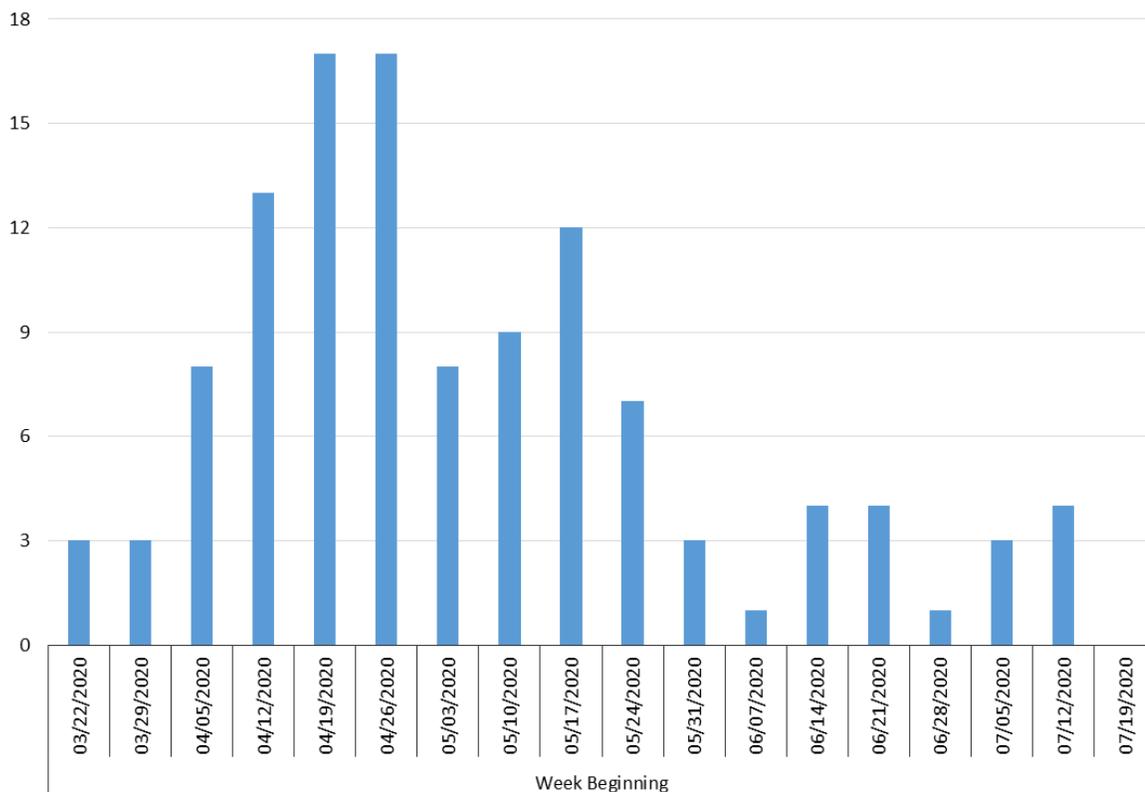
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21 Day EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset
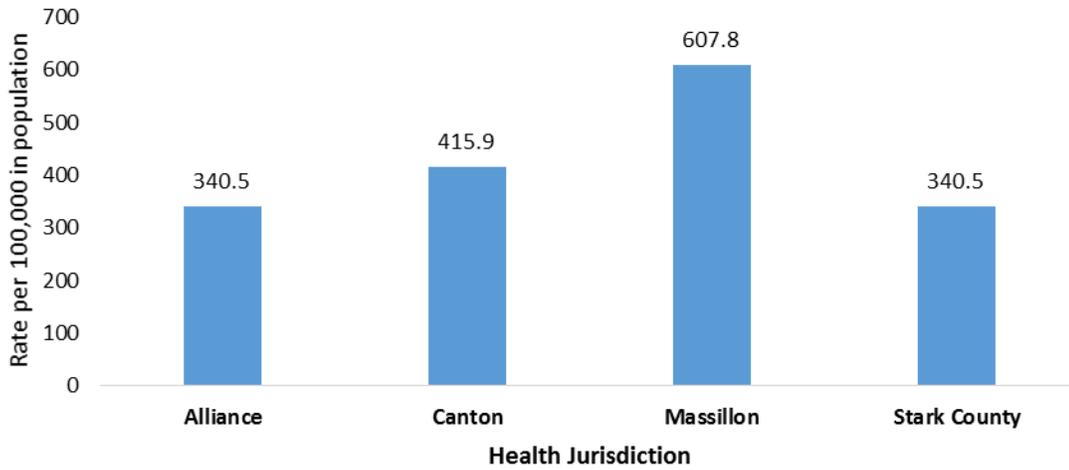### Graph 4
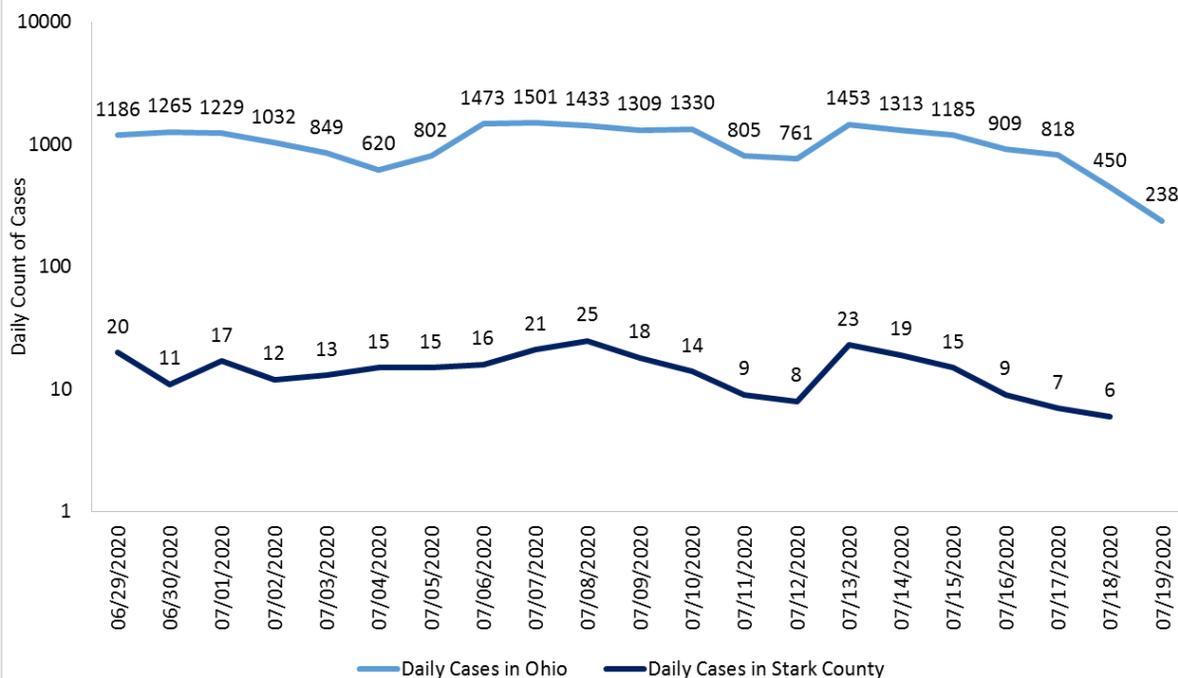
To help highlight short-term daily changes, Graph 4 shows daily counts of laboratory confirmed cases for a 21 day period. As of 7.21.2020 11:30am, there were no cases documented for 7.19.2020. This is subject to change as additional information is entered into the system.

Daily Count of Cases (Ohio line): 1186, 1265, 1229, 1032, 849, 620, 802, 1473, 1501, 1433, 1309, 1330, 805, 761, 1453, 1313, 1185, 909, 818, 450, 238

Daily Count of Cases (Stark County line): 20, 11, 17, 12, 13, 15, 15, 16, 21, 25, 18, 14, 9, 8, 23, 19, 15, 9, 7, 6

Dates: 06/29/2020, 06/30/2020, 07/01/2020, 07/02/2020, 07/03/2020, 07/04/2020, 07/05/2020, 07/06/2020, 07/07/2020, 07/08/2020, 07/09/2020, 07/10/2020, 07/11/2020, 07/12/2020, 07/13/2020, 07/14/2020, 07/15/2020, 07/16/2020, 07/17/2020, 07/18/2020, 07/19/2020

— Daily Cases in Ohio   — Daily Cases in Stark County

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 documented as of 11:30am on 07/21/2020.

Week Beginning: 03/22/2020, 03/29/2020, 04/05/2020, 04/12/2020, 04/19/2020, 04/26/2020, 05/03/2020, 05/10/2020, 05/17/2020, 05/24/2020, 05/31/2020, 06/07/2020, 06/14/2020, 06/21/2020, 06/28/2020, 07/05/2020, 07/12/2020, 07/19/2020

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Rate of Confirmed and Probable Cases by Health Jurisdiction
Graph 6

Rate per 100,000 in population

	Alliance	Canton	Massillon	Stark County
Rate	340.5	415.9	607.8	340.5

Health Jurisdiction

	Probable Cases	Confirmed Cases	Total
Alliance	1	75	76
Canton	27	266	293
Massillon	10	187	197
Stark County	42	797	839

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= (case count/population) *100000

Rates of Confirmed Cases by Population
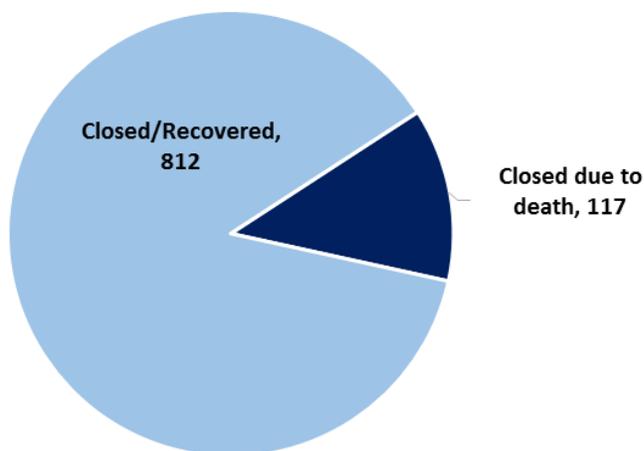### Graph 7

	Ohio	Stark County
Confirmed	624.18	356.59
Hospitalized	82.59	59.48
Death	25.31	31.49
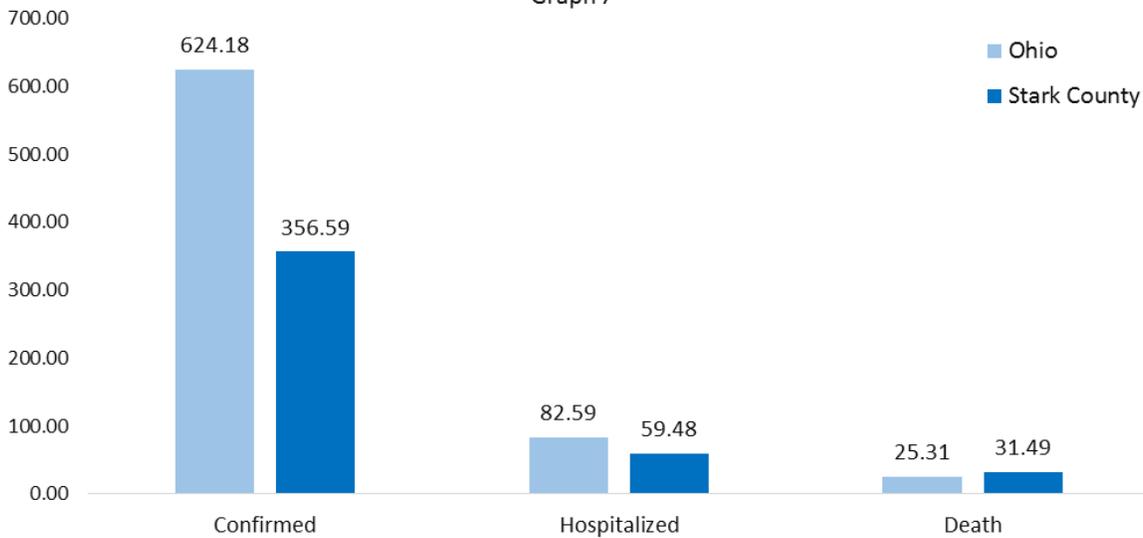
Counts of Cases	Ohio	Stark County
Confirmed	72963	1325
Hospitalized	9654	221
Deaths	2959	117

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

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.

- Ohio's rate of laboratory confirmed cases is 1.8x 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.

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Closed Confirmed Cases
Graph 8

Closed/Recovered, 812

Closed due to death, 117

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 929 cases closed of which 117 (13%) 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

Healthcare Worker 17%

Long-Term Care Resident 22%

Other 61%
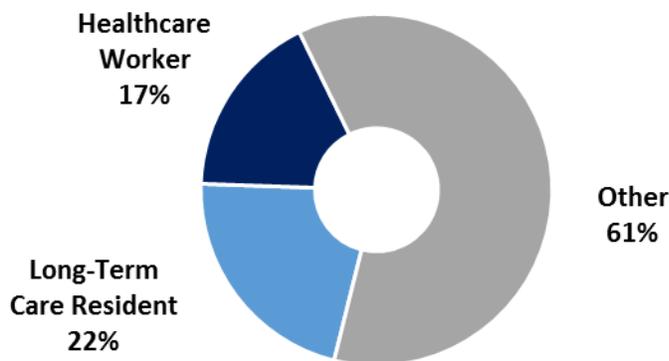
Graph 9* shows a breakdown of categories in confirmed cases. Healthcare workers account for 17% of the confirmed cases while long-term care residents account for 22% of confirmed cases. The remaining 61% do not belong in either of those categories. The percentages are based off of those that were affirmatively indicated to be either a healthcare worker or long-term care resident.

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

*Due to priority testing guidelines both long-term care residents and healthcare workers, were initially in High Priority groups for testing. As testing has progressed, other Stark County residents are able to be tested on a more regular basis. Link for more information on priority categories is included on the last page of this document.

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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 COVID19.

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 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