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
March 5, 2021 Epi Report

COVID-19 Snapshot
Stark County, Ohio
as of 11:30am
March 5, 2021

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: 25,489

Active/Open Cases: 14,781

Closed: (includes Deaths) 10,708

Closed due to Death: 749

Probable Cases

Total: 4,112

Active/Open Cases: 2,481

Closed: (includes Deaths) 1,631

Closed due to Death: 135

Hospitalized Confirmed & Probable Cases

Yes: (includes ICU) 1,671

Yes, ICU: 149

Discharged: 889

Age Range

Confirmed Cases: <1-108

Hospitalized in Confirmed Cases: <1-105

Deaths in Confirmed Cases: 21-108

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 3.5.2021 11:30 am (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:
Amanda Archer, MPH aarcher@cantonhealth.org
Jessica Boley, RD, LD jboley@cantonhealth.org
Chelsea Sadinski, MPH SadinskiC@starkhealth.org

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Stark County Epi Situational Report - COVID-19
Table 1 as of: 3/5/2021 2:00PM

Next report scheduled: 3/9/2021

Cases Reported to Stark LHDs
Data as of 3.5.2021 11:30

Positive/Confirmed	25,489	
Hospitalized	1,635	6.41%
ICU Admissions	145	0.57%
Deaths in Confirmed Cases	749	2.94%
Probable Cases	4,112	
Deaths in Probable Cases	135	

Cases Reported to ODH
Data as of 3.5.2021 14:00

Positive/Confirmed	834,857	
Hospitalized*	50,782	6.08%
ICU Admissions*	7,184	0.86%
Probable Cases	141,373	
COVID related deaths of Ohio Residents		
17,502		

*Hospitalized & ICU includes confirmed & probable

Descriptive Statistics for Stark County Confirmed Cases

Gender

	Confirmed Cases		Deaths
Male	11,144	43.7%	396
Female	14,031	55.0%	351
Unknown	314	1.2%	2
Total	25,489		749

Ethnicity

	Hispanic	Non-Hisp	Unknown*
Count	333	13,279	11,877
%	1.3%	52.1%	46.6%

Race

	White	Black	Asian/Pacific Islander	American Indian/Alaskan	Other	Unknown*
Count	14,068	1,666	98	43	630	8,984
%	55.2%	6.5%	0.4%	0.2%	2.5%	35.2%

*Unknown counts includes refused to answer responses

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

Hospitalized			If hospitalized, in ICU?			Discharged from Hospital		
Yes	1,635	6.4%	Yes	145	9%	ICU	110	
No	23,493	92.2%	No	1,490	91%	Other	749	
Unknown	361	1.4%				Some cases may be discharged due to death.		

Stark County Vaccination Update as of 3/5/2021

Current Vaccination Groups Eligible	Vaccine Started	Vaccine Completed
Phases 1A, 1B, 1C, 2	Count: 56,375	Count: 30,419
	15.21% of population	8.21% of population

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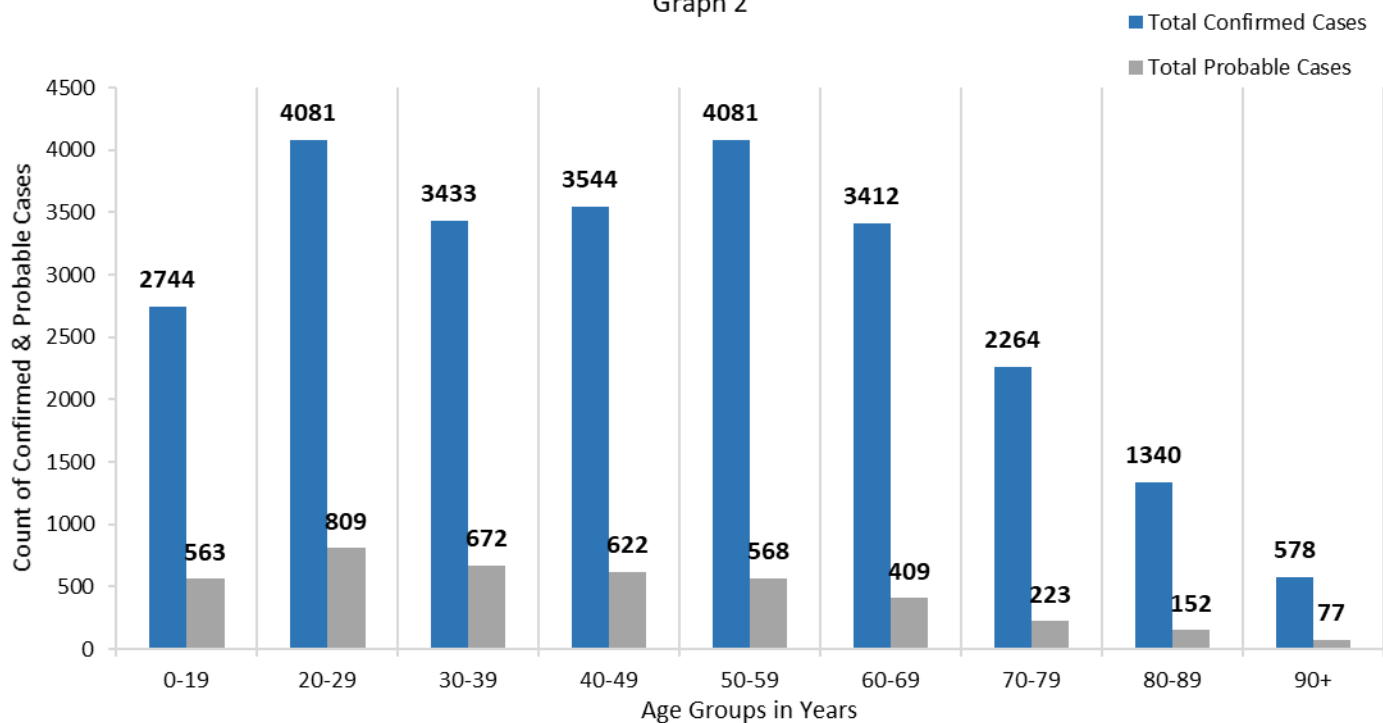
Signs & Symptoms in Confirmed Cases
Graph 1
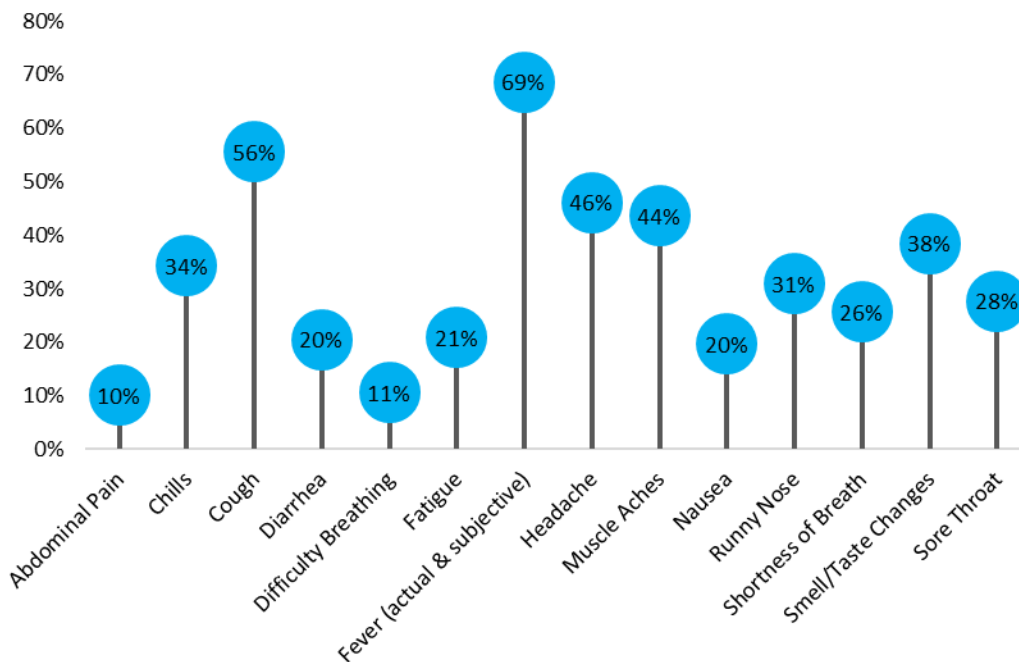
Graph 1 shows the incidence of signs and symptoms reported in documented symptomatic confirmed cases. Cases that have no symptoms documented or are documented asymptomatic are not included. We have combined fever (documented >100.4) & subjective fever. This is due to recognizing that everyone does not own a thermometer and therefore cannot give an actual temperature to flag the indicator. We are hoping these changes will provide a clearer picture regarding symptoms present.

Symptom	Percentage
Abdominal Pain	10%
Chills	34%
Cough	56%
Diarrhea	20%
Difficulty Breathing	11%
Fatigue	21%
Fever (actual & subjective)	69%
Headache	46%
Muscle Aches	44%
Nausea	20%
Runny Nose	31%
Shortness of Breath	26%
Smell/Taste Changes	38%
Sore Throat	28%

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

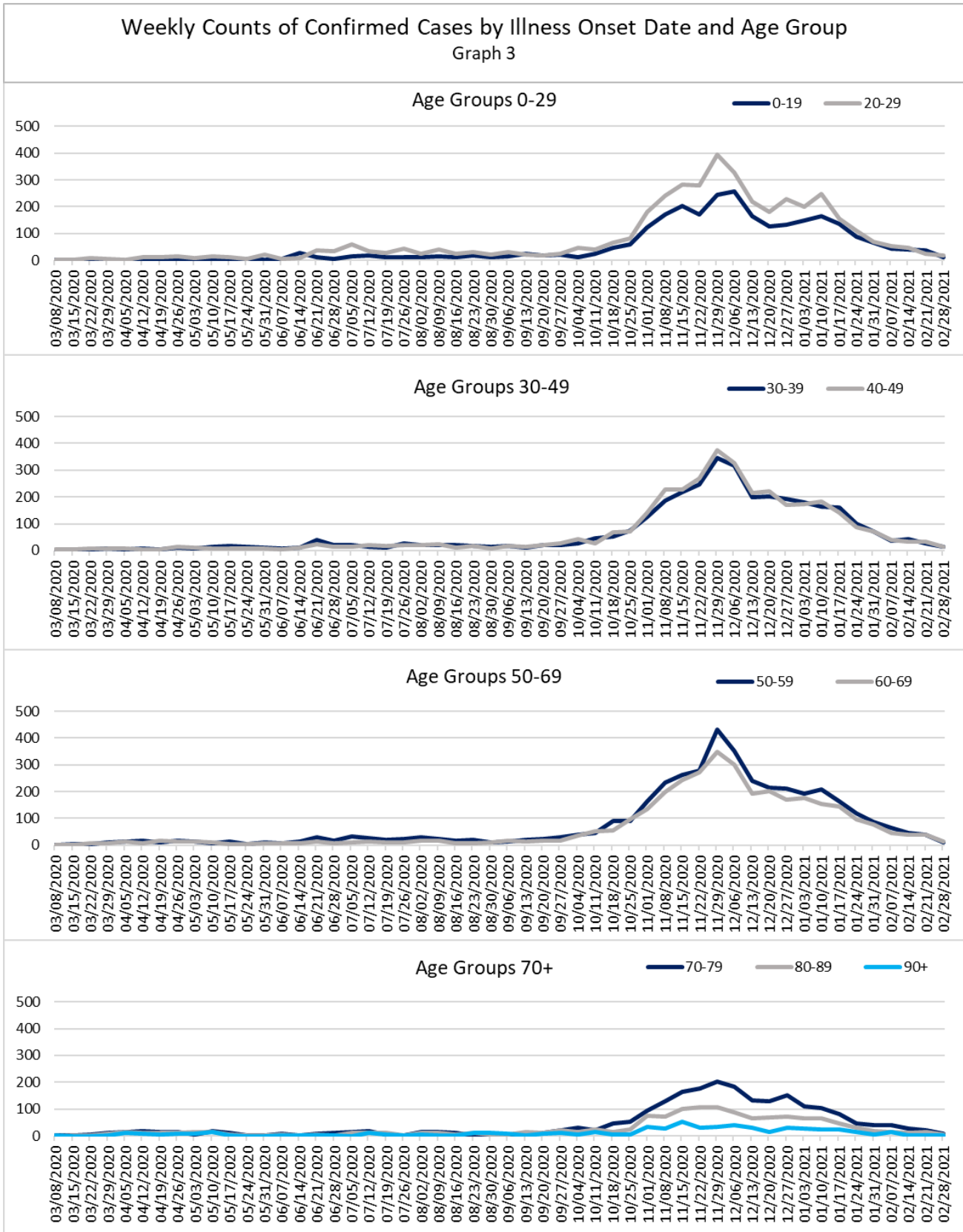| Age Groups in Years	Total Confirmed Cases	Total Probable Cases
0-19	2744	563
20-29	4081	809
30-39	3433	672
40-49	3544	622
50-59	4081	568
60-69	3412	409
70-79	2264	223
80-89	1340	152
90+	578	77

Graph 2 shows the cumulative number of laboratory-confirmed and probable cases by age group. There are 17 probable cases and 12 confirmed cases in which date of birth is currently unknown and not shown in graph above.
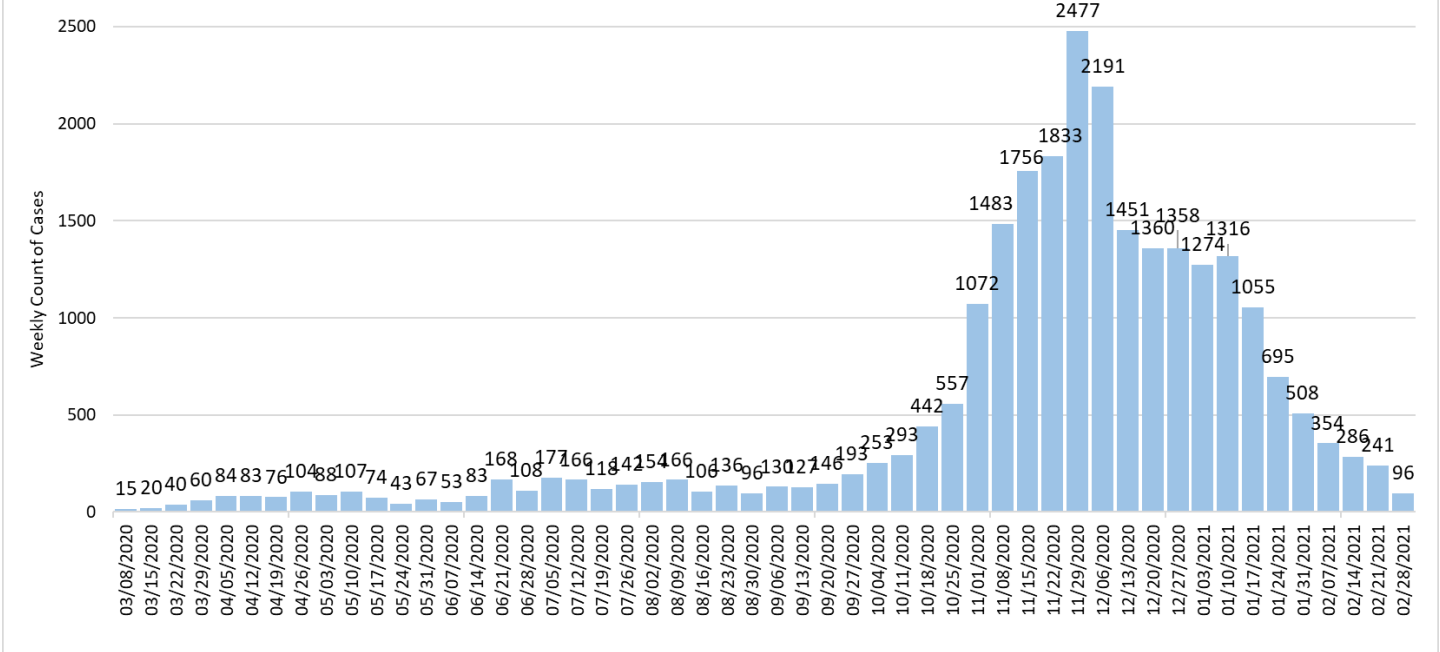
Graph 3 shows a breakdown of confirmed cases by week by age groups. There are 12 confirmed cases in which date of birth is currently unknown and not shown in graph below. As with all data contained in this report, caution is advised when looking at the past 2-3 weeks of data due to delays in testing results. Graphs only show 52-weeks' worth of data.
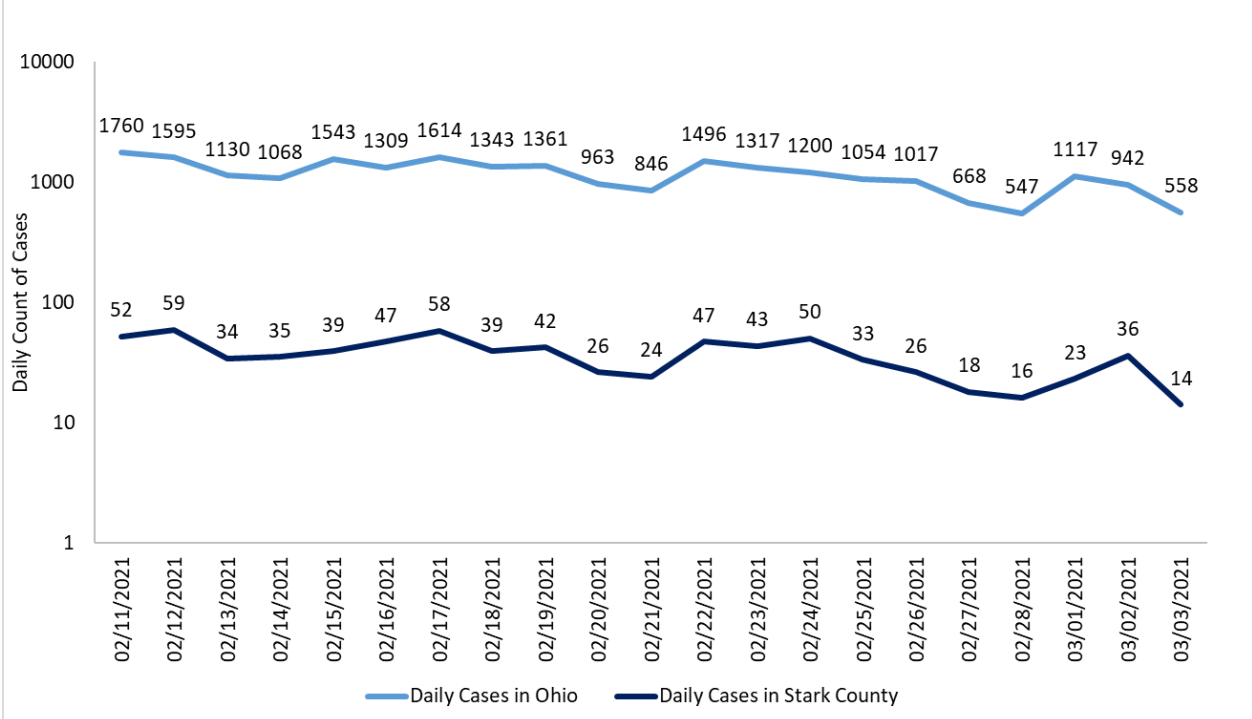
Weekly Counts of Confirmed Cases by Illness Onset Date and Age Group
Graph 3

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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 be 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 but graph only contains 52 weeks of data. **This data only includes data up until 11:30 am on 3/5/2021.**
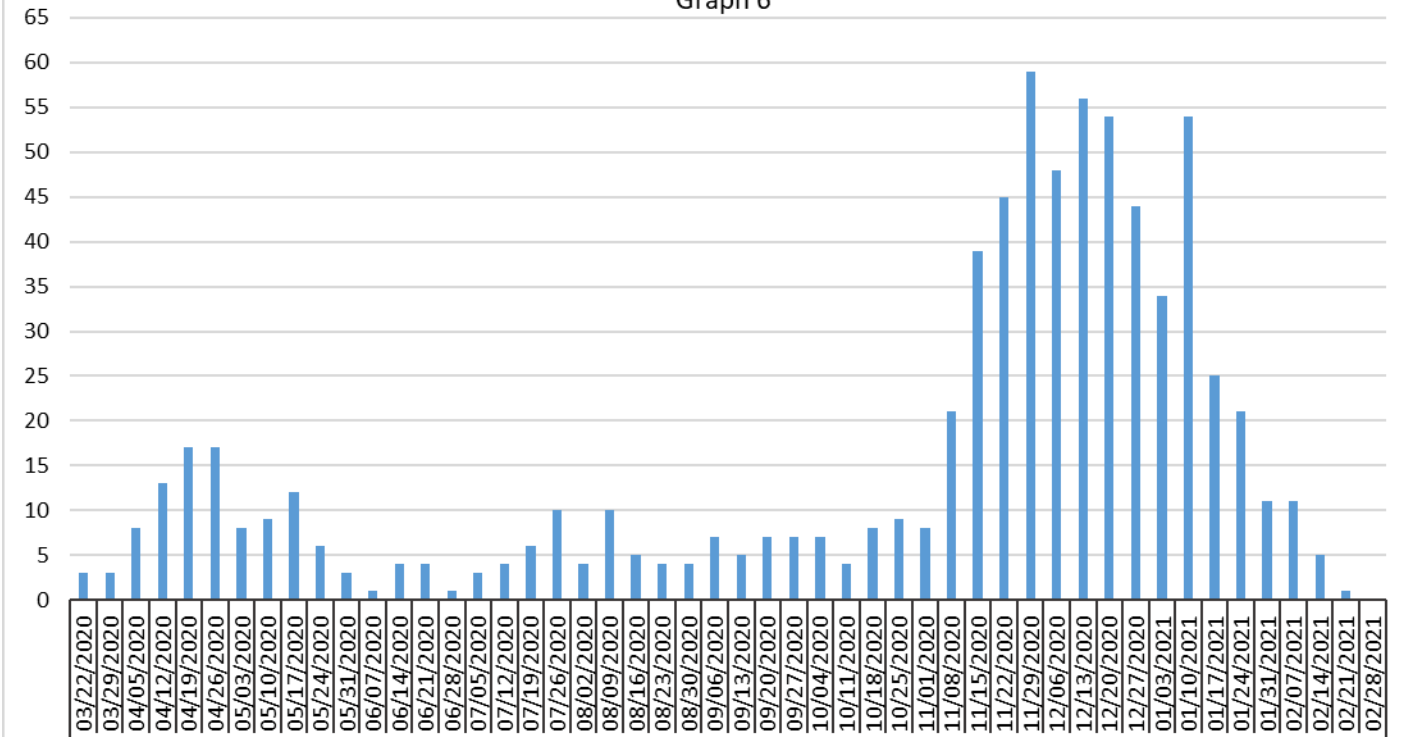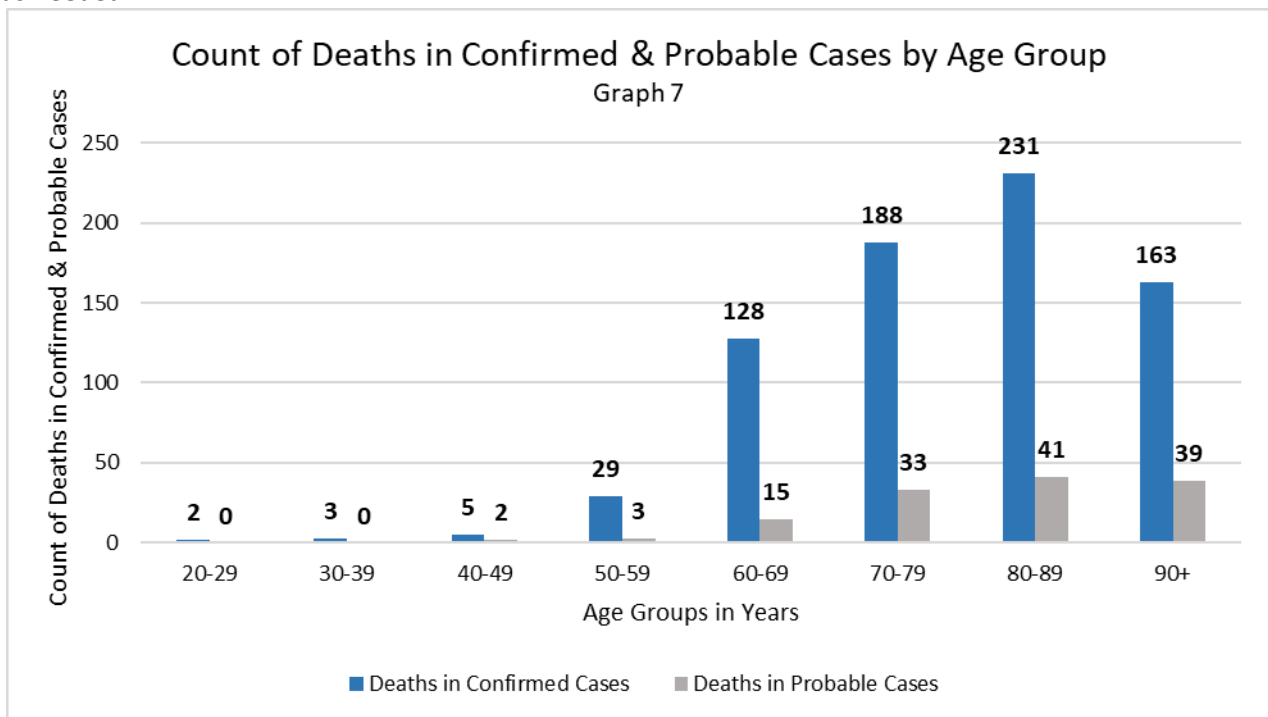
To help highlight short-term daily changes, Graph 5 shows daily counts of laboratory confirmed cases for a 21-day period.

21 Day EpiCurve of Confirmed COVID-19 Cases in Stark County and Ohio by Illness Onset
Graph 5

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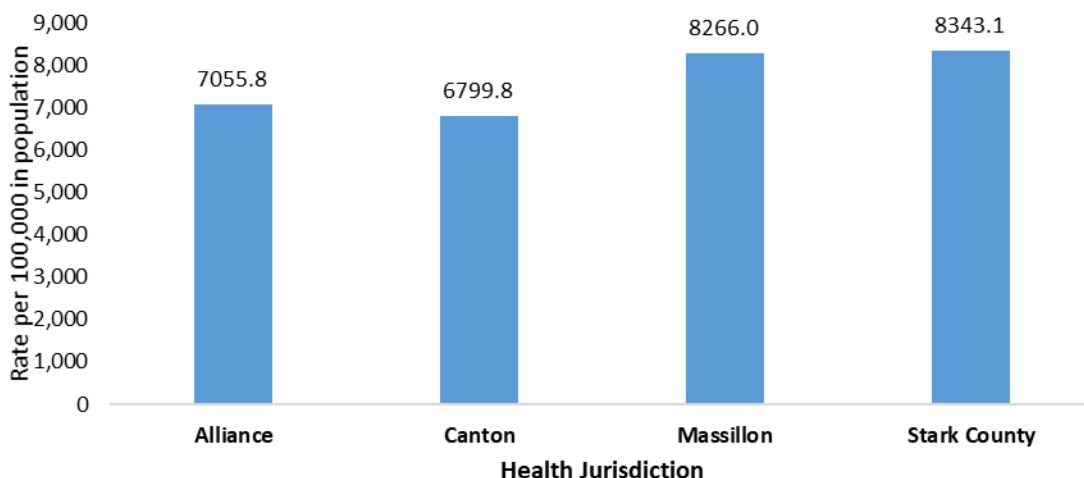## Count of Deaths in Confirmed Cases by Week
Graph 6

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 11:30 am on 3/5/2021. This isn't an automated process which is why it may be a week or longer for a death to be documented. Please see last page of report for additional information regarding deaths.

Graph 7 shows the breakdown in deaths in confirmed and probable cases by age group. Additional age groups will be added as needed.

Count of Deaths in Confirmed & Probable Cases by Age Group
Graph 7

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Rate of Confirmed and Probable Cases by Health Jurisdiction
Graph 8

Rate per 100,000 in population

	Alliance	Canton	Massillon	Stark County
Rate	7055.8	6799.8	8266.0	8343.1

Health Jurisdiction

	Probable Cases	Confirmed Cases	Total
Alliance	178	1397	1575
Canton	703	4088	4791
Massillon	290	2389	2679
Stark County	2941	17,615	20,556

Rates=(case count/population)*100000

Graph 8 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.
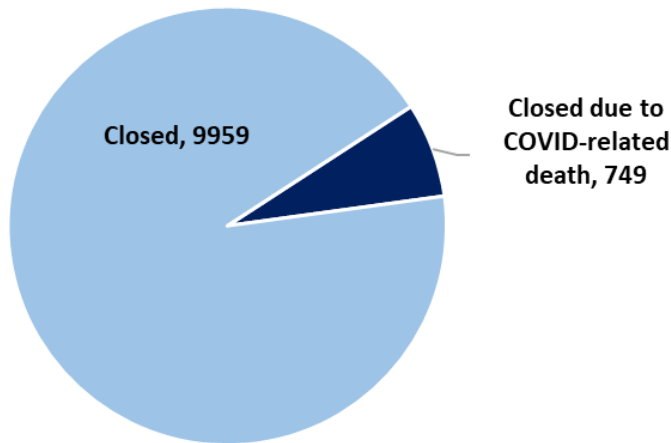
Rates of Confirmed Cases by Population
Graph 9

	Ohio	Stark County
Confirmed	7141.97	6859.74
Hospitalized	416.12	440.02
Death	149.72	201.57
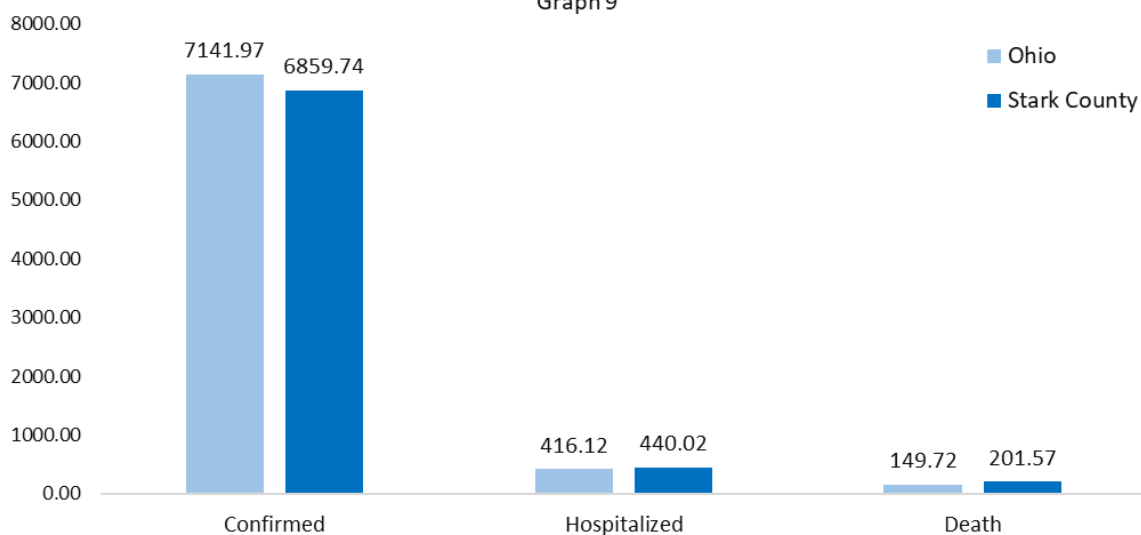
Counts of Cases	Ohio	Stark County
Confirmed	831,329	25,489
Hospitalized	48,498	1,629
Deaths	17,502	724

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

Graph 9 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 1.0x higher than those in Stark County.
- Stark County's rate of laboratory confirmed cases who require hospitalization is 1.1x higher than Ohio's rate.
- Stark County's rate of death due to COVID-19 complications is 1.3x higher than Ohio's rate.

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Closed Confirmed Cases
Graph 10

Closed, 9959

Closed due to COVID-related death, 749

Graph 10 is the count of confirmed cases closed or closed due to death. Stark County has a total of 10,708 cases closed of which 749 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.

Confirmed Cases Linked to a Known Cluster
Graph 11

Yes, 2402

No, 23,087
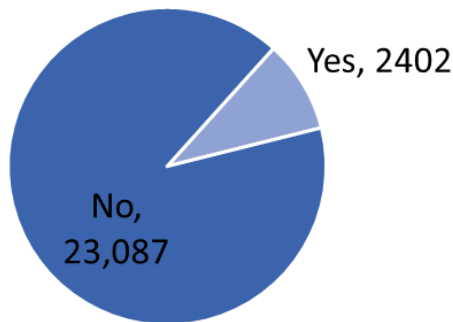
A cluster is defined as 2 or more cases with a common time and place of exposure. In Stark County, commonly these are work place, congregate living or family event/party settings. Additionally, cases that were exposed to original case members of the cluster and they subsequently became ill are also then linked to the original cluster.

We have removed the graph associated with health care workers and long-term care facilities. 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

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 presumptive laboratory evidence AND was reported on or after November 1, 2020; OR
o For reports received prior to November 1, 2020: meets presumptive laboratory evidence AND either clinical criteria OR epidemiologic linkage; OR
• Meets clinical criteria AND epidemiologic linkage with no confirmatory laboratory testing performed for SARS-CoV-2; OR
• Meets vital records criteria with no confirmatory laboratory evidence for SARS-CoV-2.

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."

Beginning March 2, 2021, ODH changed from using Ohio Disease Reporting System (ODRS) for mortality data to utilizing Electronic Death Registration System (EDRS) data. This allows only deaths which have been verified by the CDC's National Center for Health Statistics (NCHS) to be included on the ODH website. This data is not updated daily. For the time being, Stark County will continue to utilize mortality data for ODRS with the disclaimer that data is considered preliminary and subject to change.

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

For information on vaccinations, please visit: https://coronavirus.ohio.gov/wps/portal/gov/covid-19/covid-19-vaccination-program