A joint collaboration between Stark County Public Health Infrastructures:

Alliance City Health Department
Canton City Public Health
Massillon City Health Department
Stark County Health Department

Stark County, Ohio

March 30, 2020 Epi Report

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.
Patients with COVID-19 have had mild to severe respiratory illness with symptoms of:

- Fever
- Cough
- Shortness of breath

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 3.30.2020. Cases from previous days are likely to change as more information is entered.

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.

For questions regarding this report, please contact:

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Data is sourced from: coronavirus.ohio.gov, ODH secure 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."

Stark County Epi Situational Report - COVID-19

Table 1 as of: 03/30/2020 2:00PM

Next report scheduled: 4/1/2020

Cases Reported to Stark LHDs			Cases Reported to ODH*		
Data as of 3.30.2020 1230			Data as of 3.230.2020 1400		
Positive	44		Positive	1933	
Hospitalized	10	22.73%	Hospitalized	475	24.57%
Deaths	3	6.82%	Deaths	39	2.02%

Descriptive Statistics of Confirmed Cases

Stark County

Gender

Male	*19*	43.18%
Female	25	56.82%
Total	44	

Age Range (in Years)

16	to	92	54
Min		*Max*	*Median*

Race

	White	Black	Other/Unknown
Count	32	3	9
%	73%	7%	20%

Ethnicity

	Hispanic	Non-Hisp	Unknown
Count	0	23	21
%	0.0%	52.3%	47.7%

Ohio*

Gender

Male	967	50.03%
Female	961	49.72%
Total	1928	3 cases gender unknown

Age Range (in Years)

1	to	98	53
Min		*Max*	*Median*

Race

	White	Black	Other
Count	*Not reported*		
%			

Ethnicity

	Hispanic	Non-Hisp	Unknown
Count	*Not reported*		
%			

Illness Information - Stark County Only

Onset Date

2/25/20	through	03/28/20

Hospitalized

Yes	10	23%
No	28	64%
Not reported	6	14%

Pre-existing Conditions

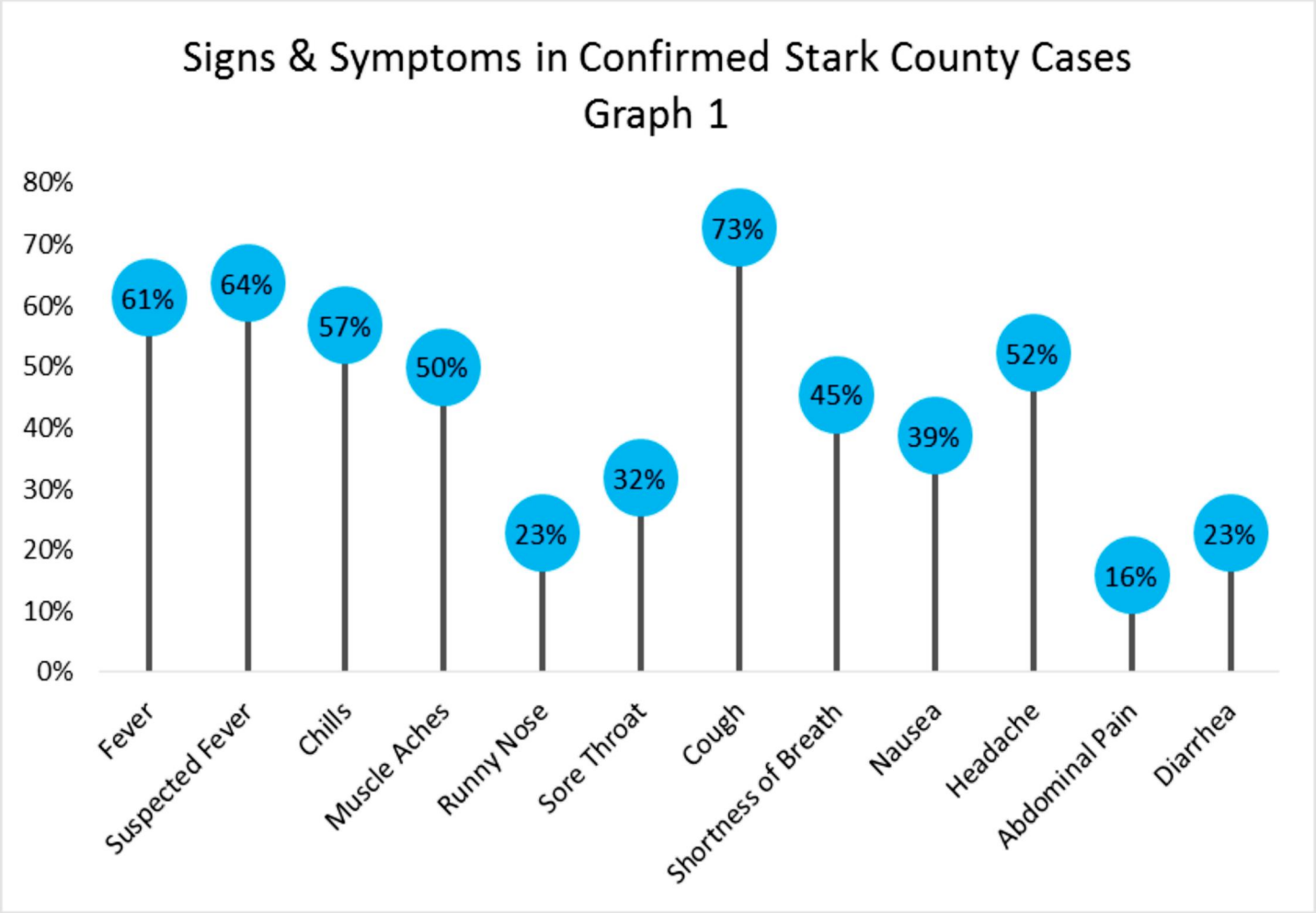
Yes	16	36%
No	28	64%

If hospitalized, in ICU?

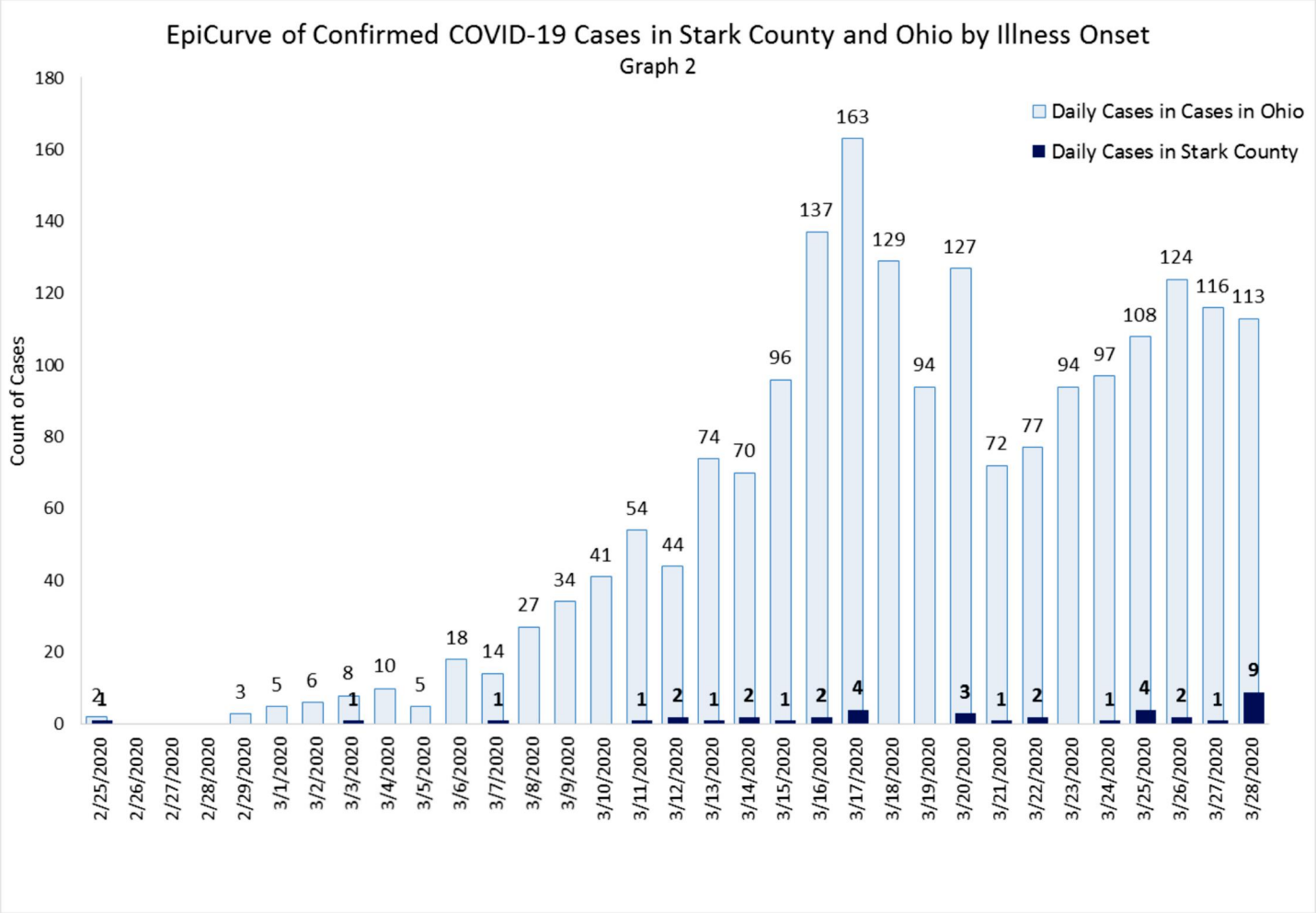
Yes	3	30%
No	7	70%

Signs/Symptoms Reported by Cases

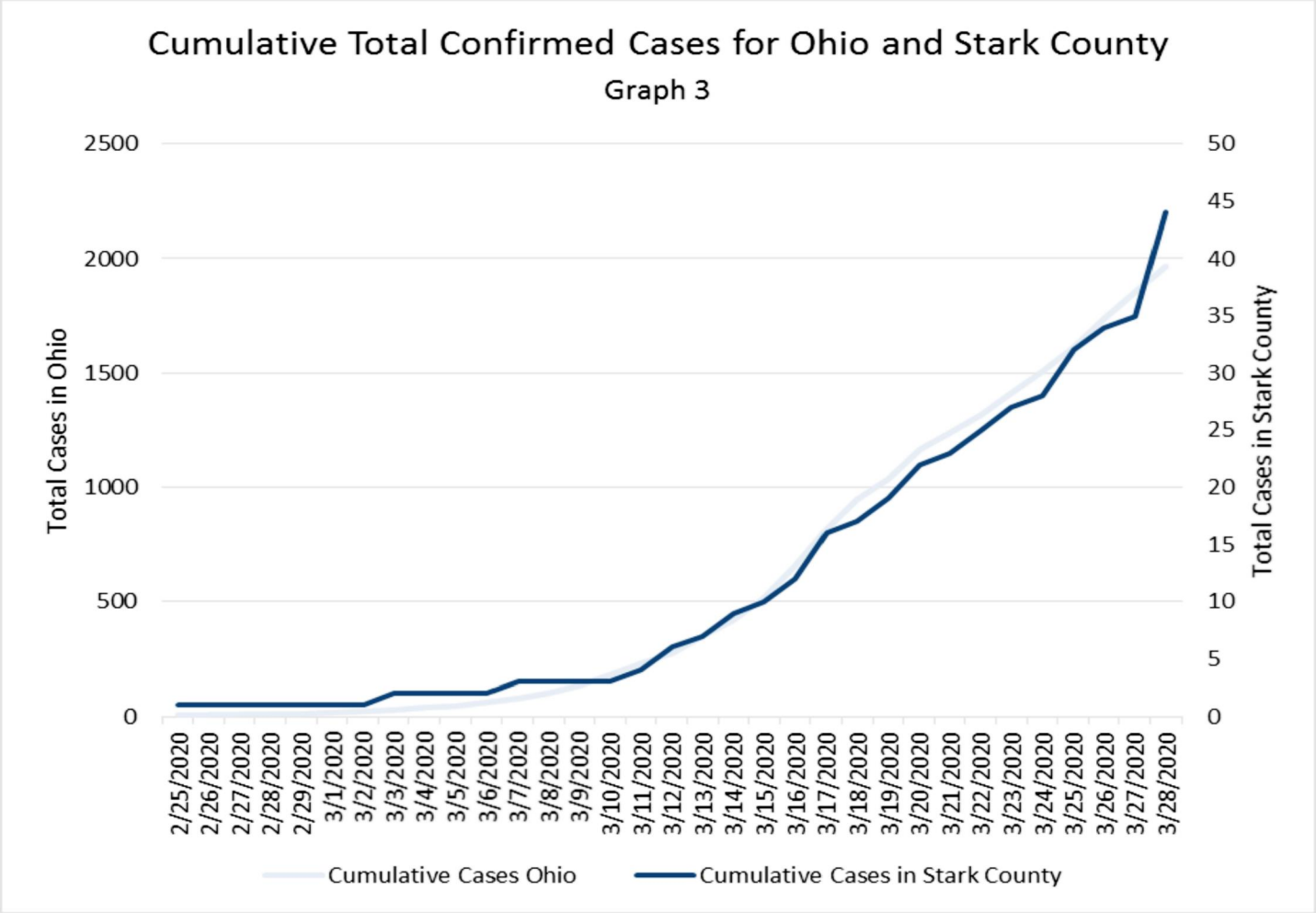
	Yes	No	% Yes
Fever	27	10	61.4%
Suspected Fever	28	6	63.6%
Chills	25	8	56.8%
Muscle Aches	22	11	50.0%
Runny Nose	10	22	22.7%
Sore Throat	14	18	31.8%
Cough	32	6	72.7%
Shortness of Breath	20	15	45.5%
Nausea	17	17	38.6%
Headache	23	5	52.3%
Abdominal Pain	7	26	15.9%
Diarrhea	10	0	22.7%
Other	2	0	4.5%



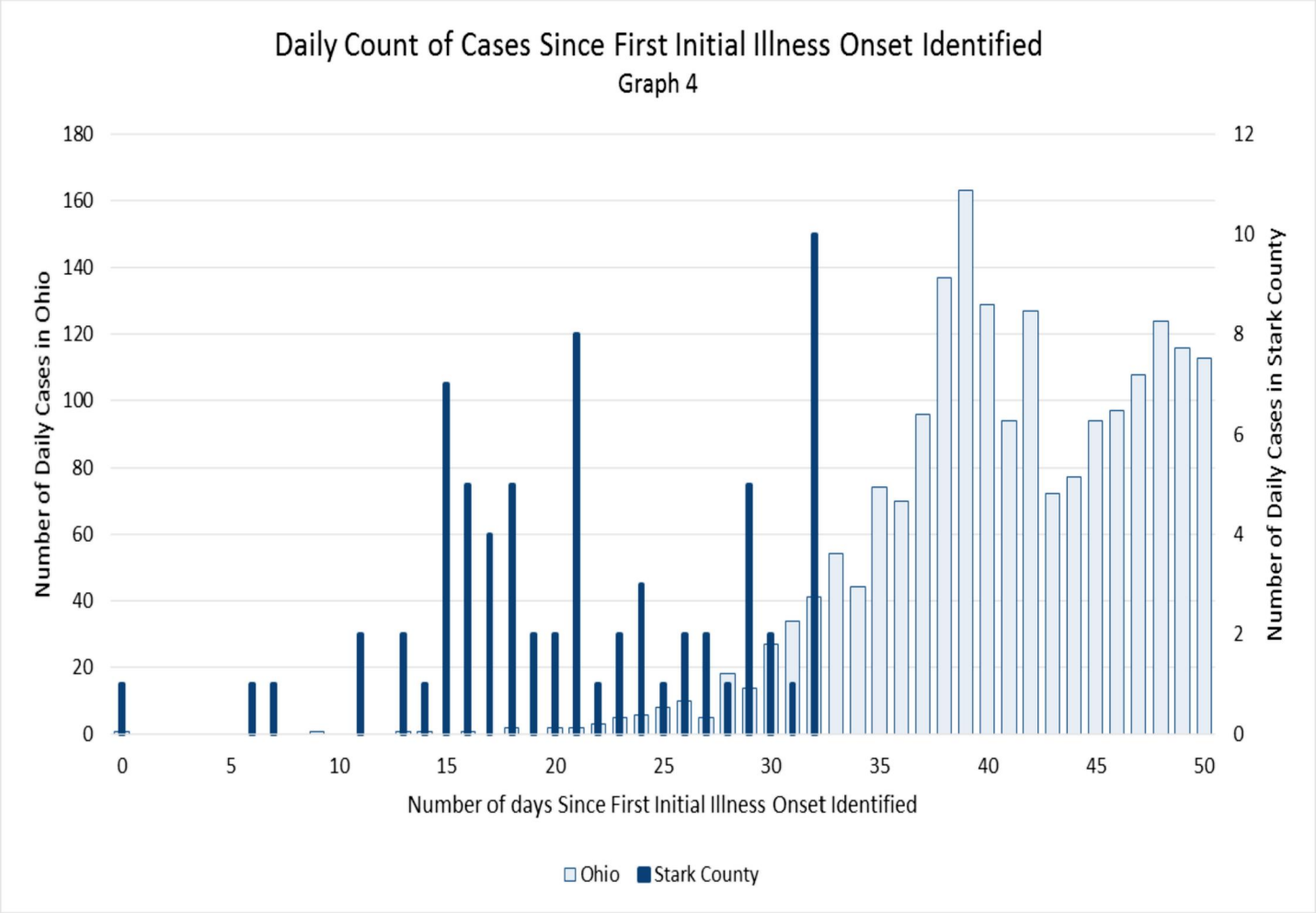
Graph 1 shows the incidence of signs and symptoms reported by confirmed cases of COVID-19 in Stark County. Additional symptoms may be added in the future as prevalence increases.



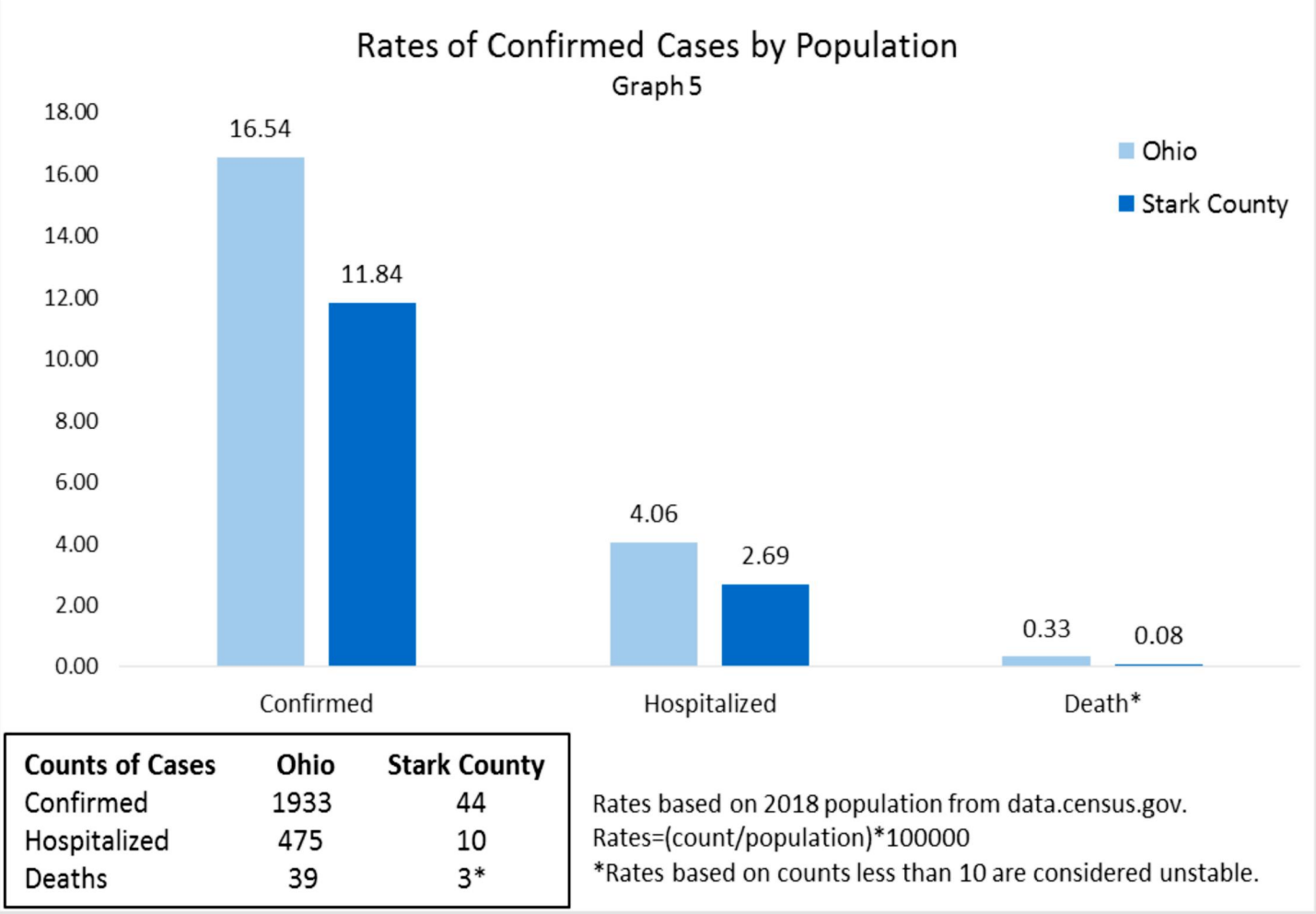
Graph 2 shows the EpiCurve which displays the total number of laboratory confirmed cases per day, based on the illness onset date for Stark County and Ohio. If the illness onset date is not available, the earliest known date is utilized, which could include the date the specimen was collected, the date the test resulted 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 2/25/2020, those are not included.



Graph 3 shows the cumulative cases in Ohio (left side/primary axis) and Stark County (right side/secondary axis) by date. The timeline begins with 2/25/2020 due to this date being the earliest illness onset date reported by a laboratory confirmed case in Stark County.



Graph 4 is based on number of days that have passed since the date of illness onset was reported by the first laboratory confirmed case in Stark County and Ohio (Day 0). For Ohio, the first date of illness onset reported by a laboratory confirmed case is 02/07/2020. For Stark County, the first date of illness onset reported by a laboratory confirmed case was 02/25/2020. The number for total cases in Ohio is on the left/primary axis with Stark County on the right/secondary axis.



Graph 5 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 1.5x higher than Stark County's rate.
- Ohio's rate of death due to COVID-19 complications is 4.1x higher than Stark County's rate*.