

# JULY 2023

The EpiGram is a monthly publication of the Stark County Reportable and Emerging Disease Network (REDNET). It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for each of the four local health department jurisdictions. Some reportable conditions may be under investigation, and, at any given time, data may fluctuate from month to month for a specific category. If you have any questions, please contact Julianna Smith at 330.451.1650 or [smithj@starkhealth.org](mailto:smithj@starkhealth.org), Cassie Johnson at 330.451.1688 or [johnsonc@starkhealth.org](mailto:johnsonc@starkhealth.org) or Kaelyn Boyd at 234.458.5135 or [kboyd@cantonhealth.org](mailto:kboyd@cantonhealth.org).

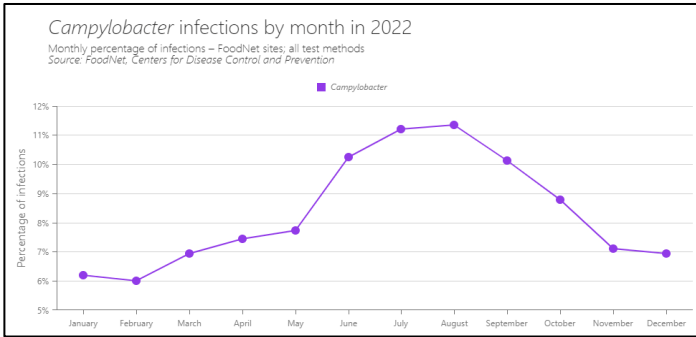


**Public Health**  
Prevent. Promote. Protect.

## Monthly Highlight: Campylobacteriosis

Campylobacteriosis is an illness caused by a bacteria belonging to the genus *Campylobacter*. *Campylobacter* bacteria enter the body via contaminated food and water, and only a very small amount is required to cause infection. Most infections are caused by eating raw or undercooked poultry, but can also be contracted from contact with animals and by drinking untreated water. *Campylobacter* does not usually spread from person to person. Most people recover without the use of antibiotics, but those 65 years or older, pregnant women, and people with weakened immune systems may need antibiotics due to risk of severe illness. The incubation period ranges from 1-10 days, but more commonly 2-5 days; however, *Campylobacter* can be found in stool for about two to seven weeks *post-infection* in the absence of antibiotics, which most do not use.

Symptoms include diarrhea (often bloody), fever, stomach cramps, nausea and vomiting. These symptoms usually last around 2-5 days after ingestion and last about 1 week. It is important to thoroughly cook any meat, especially poultry, to help prevent the spread of *Campylobacter*



and to avoid cross-contamination between foods. Additionally, people should avoid drinking unpasteurized milk, drinking or swimming in untreated water and should make sure they wash their hands after contact with animals. If a person who is sick with campylobacteriosis attends or works in a sensitive occupation, they will need to be excluded from setting until diarrhea has ceased. If a person's job specifically includes food handling, which can be in a restaurant, school or healthcare facility, they may only return to work when diarrhea has ceased and either they have finished 48 hours of effective antimicrobial therapy or they have had two consecutive follow-up stools specimens negative for *Campylobacter*.

A majority of cases occur from July through October, which may be due to the increase in recreational water contact. Compared to 38 cases by July 2022, there have been 50 cases so far in 2023 in Stark County. In all of 2022, there were 71 cases.

For more information:

- [Campylobacteriosis | Ohio Department of Health](#)
- [Campylobacter \(Campylobacteriosis\) | Campylobacter | CDC](#)

**Table 1: Select Vital Statistics for Stark County**

	July 2023	YTD 2023	2022
Live Births	297	2192	3,851
Births to Teens	18	119	183
Deaths	337	2646	4,807

\* Birth and death data are preliminary.

**Table 2: Stark County Crude Birth Rate and Death Rates**

	2018	2019	2020	2021*	2022*
Birth	10.9	11.0	10.5	10.5	10.3
Death	11.8	12.0	14.1	14.5	12.8

\*Source: Data Ohio. Rates are per 1,000 population. 2021 and 2022 data are preliminary.

**Table 3: Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including historical data.**

	July 2023				August 2022			
	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category	Monthly High	Monthly Low	Monthly Median	Counts in highest reported health risk category
Pollen Count	15	2	11	N/A	97	3	14	N/A
Mold Count	4,100	900	2,300	N/A	12,200	3,200	5,000	N/A
Air Quality Index	153	32	58	Unhealthy for Sensitive Groups (1)	61	26	43	Moderate (4)

\*\*See the following websites for updated Air Quality Index and mold index terminology and color coding: <http://www.airnow.gov/index.cfm?action=aqibasics.aqi> <https://pollen.aaaai.org/#/pages/reading-the-levels>. Data source for this table is the Air Quality Division of the Canton City Health Department.

Jurisdictional Summary of Select Reportable Conditions in Stark County, OH (Provisional Data)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	July	YTD	July	YTD	July	YTD	July	YTD	July	YTD
Campylobacteriosis	0	2	4	12	3	6	6	30	13	50
Chlamydia infection	16	86	76	471	19	92	72	350	183	999
COVID-19	6	348	27	847	16	356	151	2862	200	4413
CP-CRE	0	0	0	5	0	5	0	12	0	22
Cryptosporidiosis	0	1	0	0	0	1	0	8	0	10
Cyclosporiasis	0	0	3	3	0	0	0	1	3	4
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	0	1	1	2	3	9	4	12
Giardiasis	0	1	3	3	1	1	0	2	4	7
Gonococcal infection	3	25	31	220	5	34	15	98	54	377
Haemophilus influenzae (invasive disease)	0	0	0	0	0	1	0	7	0	8
Hepatitis B (including delta) - acute	0	0	0	1	0	0	2	2	2	3
Hepatitis B (including delta) - chronic	0	0	0	4	2	3	1	9	3	16
Hepatitis C - acute	0	0	0	1	0	0	0	1	0	2
Hepatitis C - chronic	1	13	8	45	3	15	7	27	19	100
Hepatitis C - Perinatal Infection	0	0	0	0	0	0	0	1	0	1
Hepatitis E	0	0	0	0	0	0	0	1	0	1
Influenza-associated hospitalization	0	4	0	27	0	9	0	60	0	100
Legionellosis	0	0	2	2	0	0	2	5	4	7
Listeriosis	0	0	0	0	0	0	0	1	0	1
Lyme Disease	1	1	1	1	0	3	14	27	16	32
Meningitis - aseptic/viral	0	0	0	4	0	0	0	4	0	8
Meningitis - bacterial (Not N. meningitidis)	0	0	0	1	0	0	0	0	0	1
Mumps	0	0	0	0	0	1	0	0	0	1
Pertussis	0	0	0	0	0	0	0	3	0	3
Salmonellosis	0	1	1	4	2	4	9	23	12	32
Shigellosis	0	0	2	3	0	0	0	4	2	7
Streptococcal - Group A -invasive	1	5	1	7	0	0	2	23	4	35
Streptococcal - Group B - in newborn	0	0	0	0	0	0	0	1	0	1
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	2	3	4	7	0	2	0	13	6	25
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	0	0	2	0	0	0	1	0	3
Syphilis, Total	0	3	3	36	0	8	3	23	6	70
Syphilis, Primary, Secondary and Early Latent	0	2	3	28	0	4	3	17	6	51
Syphilis, Congenital	0	0	0	1	0	0	0	0	0	1
Toxic shock syndrome (TSS)	0	0	0	0	0	0	0	1	0	1
Tuberculosis	0	0	0	0	0	1	0	1	0	2
Varicella	0	0	0	3	0	1	0	2	0	6
Vibriosis (not cholera)	0	0	0	0	0	0	2	2	2	2
Yersiniosis	0	0	0	2	0	2	0	4	0	8
<b>Total</b>	<b>30</b>	<b>493</b>	<b>166</b>	<b>1712</b>	<b>52</b>	<b>547</b>	<b>289</b>	<b>3618</b>	<b>537</b>	<b>6370</b>

Source: Ohio Disease Reporting System, downloaded 8/15/2023.



Summary Table of Select Reportable Conditions Reported in the Previous 5 years within Stark County, OH (Provisional Data)	July 2023	July 2022	YTD 2023	YTD 2022	All of 2022	5 Year Annual Average	Rate
Campylobacteriosis	13	9	50	38	71	70.0	18.83
Chlamydia	183	142	999	950	1672	1692.8	455.46
CP-CRE	0	2	22	14	22	15.2	4.09
Coccidioidomycosis	0	1	0	2	2	0.6	0.16
COVID-19	200	2481	4413	23149	32266	19153.0	5153.29
Cryptosporidiosis	0	3	10	10	18	27.0	7.26
Cyclosporiasis	3	1	4	1	1	4.2	1.13
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	1	1	0.2	0.05
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	4	0	12	5	10	11.8	3.17
Giardiasis	4	1	7	2	7	10.8	2.91
Gonorrhea	54	67	377	456	767	715.0	192.38
Haemophilus influenzae , Invasive	0	1	8	6	12	6.8	1.83
Hepatitis B, Acute	2	0	3	1	2	5.2	1.40
Hepatitis B, Chronic	3	2	16	17	29	36.0	9.69
Hepatitis C, Acute	0	0	2	5	7	7.0	1.88
Hepatitis C, Chronic	19	14	100	118	185	235.6	63.39
Hepatitis C - Perinatal Infection	0	0	1	1	1	0.8	0.22
Influenza-associated hospitalization	0	0	100	112	327	334.6	90.03
Legionellosis	4	3	7	18	28	27.8	7.48
Listeriosis	0	0	1	1	3	1.2	0.32
Lyme Disease	16	4	32	15	28	22.4	6.03
Malaria	0	0	0	1	2	0.4	0.11
Meningitis, Aseptic	0	4	8	9	14	20.6	5.54
Meningococcal disease- Neisseria meningitidis	0	0	0	0	1	0.2	0.05
Meningitis, Other Bacterial	0	0	1	1	1	2.0	0.54
Mpox	0	1	0	1	8	1.6	0.43
MIS-C associated with COVID-19	0	0	0	5	5	3.2	0.86
Mumps	0	0	1	0	0	0.4	0.11
Pertussis	0	0	3	0	0	21.8	5.87
Salmonellosis	12	7	32	29	47	45.6	12.27
Shigellosis	2	2	7	6	13	13.2	3.55
Spotted Fever Rickettsiosis	0	0	0	1	1	0.6	0.16
Streptococcal Dis, Group A, Invasive	4	1	35	13	20	15.4	4.14
Streptococcal Dis, Group B, in Newborn	0	0	1	1	1	0.3	0.38
Streptococcal toxic shock syndrome (STSS)	0	0	0	0	1	0.2	0.05
Streptococcus pneumoniae - inv antibiotic resistance unknown or non-resistant	6	1	25	12	20	20.0	5.38
Streptococcus pneumo - inv antibiotic resistant/intermediate	0	2	3	12	18	11.4	3.07
Syphilis, Total	6	4	70	62	113	57.6	15.50
Syphilis, Primary, Secondary and Early Latent	6	3	51	47	84	41.4	11.14
Syphilis, Congenital	0	0	1	2	2	0.6	0.16
Toxic shock syndrome (TSS)	0	0	1	0	0	0.0	0.00
Tuberculosis	0	0	2	0	0	1.6	0.43
Varicella	0	0	6	2	4	12.6	3.39
Vibriosis - other (not cholera)	2	0	2	0	1	1.8	0.48
Yersiniosis	0	1	8	5	5	5.0	1.35

Source: Ohio Disease Reporting System, downloaded 8/15/2023. Rates are per 100K population and based on 5 yr. average incidence 2018-2022.