

January 2023

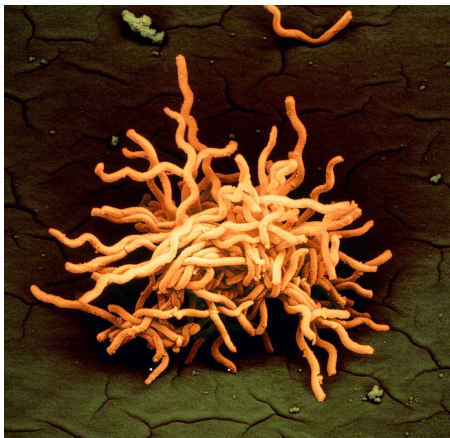
The EpiGram is a monthly publication of the Stark County Reportable and Emerging Disease Network (REDNET). It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for each of the four local health department jurisdictions. Some reportable 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 or Kaelyn Boyd at 234.458.5135 or kboyd@cantonhealth.org.



Monthly Highlight: Lyme Disease

Lyme disease is usually caused by the bacterium *Borrelia burgdorferi*, but can also be caused by *Borrelia mayonii*, and is transmitted to humans from tick bites. The blacklegged ticks that carry Lyme disease can be found in woody or grassy areas including backyards, hiking trails, and campgrounds. While these ticks are most active in the summer months of June and July, ticks are present in most locations throughout the year and manifestations of disease may appear much later than the contact occurred.

Common symptoms of Lyme disease include fever, headache, fatigue, and about 60-80% of cases present with a skin rash called erythema migrans. Laboratory testing for Lyme disease is broad but includes IgG and IgM Western Blots, isolation of *B. burgdorferi*, and either a standard or modified two-tier testing.



Case classification differs by jurisdiction incidence classification, but Stark county as a whole is classified as a low-incidence jurisdiction. Treatment depends on how early the disease is identified, but most cases are treatable with antibiotics. If left untreated, Lyme disease can spread to and affect the joints, the heart, and the nervous system. Prevention of Lyme disease is largely behavior-based, including things like using insect repellent, performing tick checks regularly, removing ticks as quickly as possible, and using pesticides.

For more information on Lyme disease:

[Lyme Disease | CDC](#)
[Lyme Disease | Ohio Department of Health](#)

Table 2: Select Vital Statistics for Stark County

	Jan 2023	YTD 2023	2022
Live Births	339	339	3,851
Births to Teens	19	19	183
Deaths	403	403	4,807

* Birth and death data is preliminary.

Table 3: 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 is preliminary.

Table 1 Summary of Air Quality Index, Pollen, and Mold Counts for Stark County, Ohio, including historical data.

	January 2023				February 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	Data collected seasonally and currently not available.				Data collected seasonally and currently not available.			
Mold Count	Data collected seasonally and currently not available.				Data collected seasonally and currently not available.			
Air Quality Index	66	23	46	Moderate (5)	88	15	43	Moderate (6)

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

Jurisdiction Summary for Reportable Conditions in Stark County, OH (Provisional Data)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Jan	YTD	Jan	YTD	Jan	YTD	Jan	YTD	Jan	YTD
Babesiosis	0	0	0	0	0	0	0	0	0	0
Brucellosis	0	0	0	0	0	0	0	0	0	0
Campylobacteriosis	1	1	1	1	1	1	1	1	4	4
Chlamydia infection	18	18	74	74	13	13	49	49	154	154
Cholera (call health department immediately)	0	0	0	0	0	0	0	0	0	0
COVID-19 (call health department immediately)	105	105	226	226	105	105	719	719	1155	1155
CP-CRE	0	0	1	1	0	0	0	0	1	1
Cryptosporidiosis	0	0	0	0	0	0	2	2	2	2
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	0	0	0	0	0	0	0	0
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	0	0	0	0	0	0	0
Giardiasis	0	0	0	0	0	0	1	1	1	1
Gonococcal infection	1	1	44	44	2	2	9	9	56	56
Haemophilus influenzae (invasive disease)	0	0	0	0	1	1	3	3	4	4
Hemolytic uremic syndrome (HUS)	0	0	0	0	0	0	0	0	0	0
Hepatitis A	0	0	0	0	0	0	0	0	0	0
Hepatitis B - Perinatal Infection	0	0	0	0	0	0	0	0	0	0
Hepatitis B (including delta) - chronic	0	0	1	1	0	0	1	1	2	2
Hepatitis C - acute	0	0	1	1	0	0	0	0	1	1
Hepatitis C - chronic	4	4	6	6	0	0	5	5	15	15
Hepatitis C - Perinatal Infection	0	0	0	0	0	0	0	0	0	0
Hepatitis E	0	0	0	0	0	0	0	0	0	0
Influenza-associated hospitalization	4	4	25	25	7	7	48	48	84	84
Influenza-associated pediatric mortality	0	0	0	0	0	0	0	0	0	0
LaCrosse virus disease (other California serogroup virus disease)	0	0	0	0	0	0	0	0	0	0
Lyme Disease	0	0	0	0	0	0	0	0	0	0
Measles - indigenous to Ohio (call health department immediately)	0	0	0	0	0	0	0	0	0	0
Measles - imported from outside Ohio	0	0	0	0	0	0	0	0	0	0
Meningitis - aseptic/viral	0	0	1	1	0	0	0	0	1	1
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	0	0	0	0	0
Meningococcal disease - Neisseria meningitidis (call health department immediately)	0	0	0	0	0	0	0	0	0	0
Pertussis	0	0	0	0	0	0	3	3	3	3
Q fever, acute	0	0	0	0	0	0	0	0	0	0
Q fever, chronic	0	0	0	0	0	0	0	0	0	0
Salmonellosis	0	0	3	3	0	0	2	2	5	5
Streptococcal - Group A -invasive	1	1	1	1	0	0	5	5	7	7
Streptococcal - Group B - in newborn	0	0	0	0	0	0	0	0	0	0
Streptococcal toxic shock syndrome (STSS)	0	0	0	0	0	0	0	0	0	0
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	0	0	0	0	1	1	2	2	3	3
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	0	0	0	0	0	0	0	0	0
Syphilis, Total	0	0	6	6	2	2	2	2	10	10
Syphilis, Primary, Secondary and Early Latent	0	0	3	3	2	2	1	1	6	6
Toxic shock syndrome (TSS)	0	0	0	0	0	0	0	0	0	0
Tuberculosis	0	0	0	0	0	0	0	0	0	0
Typhoid fever	0	0	0	0	0	0	0	0	0	0
Varicella	0	0	1	1	0	0	0	0	1	1
Yersiniosis	0	0	1	1	0	0	0	0	1	1
Total	134	134	392	392	132	132	852	852	1510	1510

Source: Ohio Disease Reporting System, downloaded 2/2/2023.



Summary Table of Diseases Reported in the Previous 5 years within Stark County (Provisional Data)	Jan 2023	Jan 2022	YTD 2023	YTD 2022	All of 2022	5 Year Annual Average	Rate
Anaplasmosis	0	0	0	0	1	0.4	0.11
Babesiosis	0	0	0	0	1	0.2	0.05
Brucellosis	0	0	0	0	0	N/A	N/A
Campylobacteriosis	4	1	4	1	71	70.0	18.83
Chlamydia	154	154	154	154	1672	1692.8	455.46
CP-CRE	1	2	1	2	22	15.2	4.09
Coccidioidomycosis	0	0	0	0	2	0.6	0.16
Creutzfeldt-Jakob Disease	0	0	0	0	0	0.6	0.16
Cryptosporidiosis	2	1	2	1	18	27.0	7.26
Cyclosporiasis	0	0	0	0	1	4.2	1.13
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	0	0	0.2	0.05
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	0	0	10	11.8	3.17
Giardiasis	1	0	1	0	7	10.8	2.91
Gonorrhea	56	83	56	83	767	715.0	192.38
Haemophilus influenzae , Invasive	4	2	4	2	12	6.8	1.83
Hepatitis A	0	0	0	0	1	6.8	1.83
Hepatitis B, Acute	0	0	0	0	2	5.2	1.40
Hepatitis B, Chronic	2	3	2	3	29	36.0	9.69
Hepatitis C, Acute	1	1	1	1	7	7.0	1.88
Hepatitis C, Chronic	15	20	15	20	185	235.6	63.39
Hepatitis C - Perinatal Infection	0	0	0	0	1	0.8	0.22
Influenza-associated hospitalization	84	5	84	5	327	334.6	90.03
LaCrosse virus disease	0	0	0	0	1	1.2	0.32
Legionellosis	0	1	0	1	28	27.8	7.48
Listeriosis	0	0	0	0	3	1.2	0.32
Lyme Disease	0	0	0	0	28	22.4	6.03
Malaria	0	0	0	0	0	0.4	0.11
Measles - imported from outside Ohio	0	0	0	0	0	0.2	0.05
Meningitis, Aseptic	1	0	1	0	14	20.6	5.54
Meningococcal disease- Neisseria meningitidis (call health department immediately)	0	0	0	0	0	0.2	0.05
Meningitis, Other Bacterial	0	0	0	0	1	2.0	0.54
Monkeypox	0	0	0	0	8	1.6	0.43
MIS-C associated with COVID-19 (call health department immediately)	0	1	0	1	5	3.2	0.86
Mumps	0	0	0	0	0	0.4	0.11
Pertussis	3	0	3	0	0	21.8	5.87
Salmonellosis	5	2	5	2	47	45.6	12.27
Shigellosis	0	0	0	0	13	13.2	3.55
Spotted Fever Rickettsiosis	0	1	0	1	1	0.6	0.16
Streptococcal Dis, Group A, Invasive	7	2	7	2	20	15.4	4.14
Streptococcal Dis, Group B, in Newborn	0	0	0	0	1	1.4	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	3	4	3	4	20	20.0	5.38
Streptococcus pneumo - inv antibiotic resistant/intermediate	0	3	0	3	18	11.4	3.07
Syphilis, Total	10	8	10	8	113	57.2	15.39
Syphilis, Primary, Secondary and Early Latent	6	6	6	6	84	40.8	10.98
Tuberculosis	0	0	0	0	0	1.6	0.43
Varicella	1	0	1	0	4	12.6	3.39
Vibriosis - other (not cholera)	0	0	0	0	1	1.8	0.48
West Nile Virus	0	0	0	0	0	1.2	0.32
Yersiniosis	1	1	1	1	5	5.0	1.35

Source: Ohio Disease Reporting System, downloaded 2/2/2023. Rates are per 100K population and based on 5 yr. average incidence 2018-2022.