

September 2022

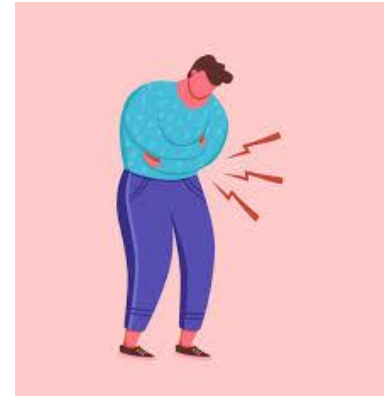
A Monthly Publication of the Stark Public Health Infrastructure Coalition

EPI Gram is a monthly publication of the Stark County Public Health Infrastructure Coalition. It contains a summary of provisional communicable disease reports and other key public health indicators, with summary tables for Stark County, Ohio. 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 Chelsea Sadinski at 330.451.1650 sadinskic@starkhealth.org or Kaelyn Boyd at 234.458.5135 or kboyd@cantonhealth.org



Monthly Highlight: Yersiniosis

Yersiniosis is a bacterial disease caused by *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* that generally affects the intestinal tract and is characterized by symptoms that include headache, watery diarrhea, fever and vomiting. In some cases infection can progress from gastroenteritis to septicemia or a focal infection. Reservoirs for the *Yersinia* bacteria include wild and domesticated birds and mammals. Humans can acquire the bacteria via the fecal-oral route from infected animals or humans or from ingestion of contaminated food or water. Foods that have been found contaminated with this bacteria include pork chitterlings, unpasteurized and pasteurized milk and tofu.



Although not as common as other foodborne pathogens, outbreaks of *Yersiniosis* have still occurred. In the summer of 1982, a large outbreak of enteritis caused by *Yersinia enterocolitica* occurred in several states. An epidemiological investigation concluded that milk pasteurized at a plant in Tennessee was linked to the outbreak. Of the 172 cases reported, 41% were among children less than 5 years of age and 17 of the 172 identified cases underwent appendectomies. The full MMWR article can be found [here](#).



Yersiniosis is usually diagnosed by detecting the organism in the stool of an infected person and treatment can include antibiotics, although Yersiniosis can resolve on its own.

For more information: <https://www.cdc.gov/yersinia/index.html>

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

	September 2022				October 2021			
	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	64	1	22	N/A	10	0	1	N/A
Mold Count	13,400	2,200	4,000	High (1)	32,000	3,200	12,200	High (9)
Air Quality Index	57	14	34	Moderate (3)	50	18	37	N/A

**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.

Table 2: Select Vital Statistics for Stark County

	Sept 2022	YTD 2022	2021
Live Births	304	2,852	3,929
Births to Teens	12	134	214
Deaths	364	3,583	5,409

* Birth and death data is preliminary

Table 3: Stark County Crude Birth Rate and Death Rates

	2017	2018	2019	2020	2021*
Birth	10.7	10.9	11.0	10.5	10.5
Death	12.0	11.8	12.0	14.1	14.5

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

Jurisdictional Summary of Reportable Conditions in Stark County, OH (Provisional Data)	Alliance City		Canton City		Massillon City		Stark County		All Departments	
	Sep	YTD	Sep	YTD	Sep	YTD	Sep	YTD	Sep	YTD
Anaplasmosis-Anaplasma phagocytophilum	0	0	0	0	0	0	0	1	0	1
Babesiosis	0	0	0	0	0	0	0	1	0	1
Campylobacteriosis	0	3	2	10	1	2	9	43	12	58
Chlamydia infection	15	85	70	622	9	112	41	417	135	1236
CP-CRE	0	0	0	0	0	4	1	13	1	17
Coccidioidomycosis	0	0	0	0	0	0	0	2	0	2
Cryptosporidiosis	0	0	0	2	1	1	0	12	1	15
Cyclosporiasis	0	0	0	0	0	0	0	1	0	1
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	1	0	0	0	0	2	8	2	9
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	0	0	0	0	1	0	1
Giardiasis	0	0	0	0	0	0	1	3	1	3
Gonococcal infection	6	66	48	355	5	37	14	133	73	591
Haemophilus influenzae (invasive disease)	0	0	0	2	1	1	1	6	2	9
Hepatitis A	0	0	0	0	0	0	0	1	0	1
Hepatitis B (including delta) - acute	0	0	0	0	0	0	0	1	0	1
Hepatitis B (including delta) - chronic	0	4	0	6	0	4	0	8	0	22
Hepatitis C - acute	1	1	0	2	0	0	0	2	1	5
Hepatitis C - chronic	4	14	1	62	1	10	4	58	10	144
Hepatitis C - Perinatal Infection	0	0	0	0	0	1	0	0	0	1
Influenza - ODH Lab Results	0	0	0	0	0	0	0	3	0	3
Influenza-associated hospitalization	0	7	0	36	0	4	1	66	1	113
LaCrosse virus disease (other California serogroup virus disease)	0	0	0	0	0	0	1	1	1	1
Legionellosis	0	0	0	7	0	0	0	20	0	27
Listeriosis	0	0	0	0	0	0	0	1	0	1
Lyme Disease	0	0	0	1	0	2	0	16	0	19
Malaria	0	0	0	0	0	0	0	1	0	1
Meningitis - aseptic/viral	0	1	1	3	0	2	1	5	2	11
Meningitis - bacterial (Not N. meningitidis)	0	0	0	0	0	1	0	0	0	1
Meningococcal disease - Neisseria meningitidis (call health department immediately)	0	0	0	0	0	0	0	1	0	1
Monkeypox	1	1	0	0	0	0	1	3	2	4
MIS-C associated with COVID-19 (call health department immediately)	0	1	0	1	0	1	0	2	0	5
Salmonellosis	0	2	0	9	0	2	4	27	4	40
Shigellosis	0	0	0	2	0	0	0	7	0	9
Spotted Fever Rickettsiosis, including Rocky Mountain spotted fever (RMSF)	0	0	0	0	0	0	0	1	0	1
Streptococcal - Group A -invasive	0	0	0	6	0	1	0	6	0	13
Streptococcal - Group B - in newborn	0	0	0	1	0	0	0	0	0	1
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	0	1	1	6	0	1	0	6	1	14
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	1	0	4	0	1	0	7	0	13
Syphilis, Total	0	5	6	44	0	5	3	29	9	83
Syphilis, Primary, Secondary and Early Latent	0	4	5	29	2	3	2	23	9	59
Varicella	0	1	0	0	0	0	0	1	0	2
Yersiniosis	0	0	0	1	0	1	0	3	0	5
Total	27	198	134	1211	20	196	86	940	267	2545

Source: Ohio Disease Reporting System, downloaded 11/08/2022.



Summary Table of Diseases Reported in the Previous 5 years within Stark County (Provisional Data)	Sep 2022	Sep 2021	YTD 2022	YTD 2021	All of 2021	5 Year Annual Average	Rate
Anaplasmosis-Anaplasma phagocytophilum	0	0	1	0	1	0.2	0.054
Babesiosis	0	0	1	0	0	N/A	N/A
Brucellosis	0	0	0	0	0	0.4	0.108
Campylobacteriosis	12	7	58	39	58	74.6	20.086
Chlamydia	135	111	1236	1255	1645	1729.8	465.742
CP-CRE	1	2	17	10	18	13.0	3.500
Coccidioidomycosis	0	0	2	1	1	0.2	0.054
Creutzfeldt-Jakob Disease	0	0	0	2	3	1.0	0.269
Cryptosporidiosis	1	2	15	16	19	29.6	7.970
Cyclosporiasis	0	0	1	5	5	4.2	1.131
Ehrlichiosis-Ehrlichia chaffeensis	0	0	1	0	0	N/A	N/A
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	2	2	9	8	8	11.4	3.069
Giardiasis	1	0	3	2	4	12.6	3.393
Gonorrhea	73	65	591	616	841	673.0	181.203
Haemophilus influenzae , Invasive	2	0	9	4	10	6.0	1.615
Hepatitis A	0	1	1	3	3	6.6	1.777
Hepatitis B, Acute	0	1	1	1	2	6.4	1.723
Hepatitis B, Chronic	0	2	22	26	35	39.0	10.501
Hepatitis C, Acute	1	1	5	7	9	5.8	1.562
Hepatitis C, Chronic	10	15	144	157	204	256.2	68.981
Hepatitis C - Perinatal Infection	0	0	1	1	1	0.8	0.202
Influenza-associated hospitalization	1	0	113	5	15	359.2	96.713
LaCrosse virus disease	1	1	1	1	1	1.0	0.268
Legionellosis	0	4	27	26	30	18.0	6.893
Listeriosis	0	0	1	0	0	0.8	0.215
Lyme Disease	0	1	19	40	43	19.4	5.223
Malaria	0	0	1	0	0	N/A	N/A
Measles - imported from outside Ohio	0	0	0	0	0	0.2	0.054
Meningitis, Aseptic	2	1	11	12	19	25.6	6.893
Meningococcal disease- Neisseria meningitidis (call health department immediately)	0	0	1	0	0	N/A	N/A
Meningitis, Other Bacterial	0	0	1	1	1	2.4	0.646
Monkeypox	2	0	4	0	0	N/A	N/A
MIS-C associated with COVID-19 (call health department immediately)	0	0	5	6	9	N/A	N/A
Mumps	0	0	0	0	0	0.6	0.162
Pertussis	0	0	0	0	0	29.4	7.916
Salmonellosis	4	4	40	32	43	44.0	11.847
Shigellosis	0	0	9	1	3	15.4	4.146
Spotted Fever Rickettsiosis	0	0	1	0	0	0.8	0.215
Streptococcal Dis, Group A, Invasive	0	1	13	5	10	15.6	4.200
Streptococcal Dis, Group B, in Newborn	0	0	1	1	1	1.4	0.377
Streptococcus pneumoniae – inv. antibiotic resistance unknown or non-resistant	1	2	14	10	15	23.0	6.193
Streptococcus pneumo – inv. antibiotic resistant/intermediate	0	0	13	4	7	11.2	3.016
Syphilis, Total	9	6	83	34	64	40.8	10.985
Syphilis, Primary, Secondary and Early Latent	9	4	59	18	46	27.2	7.323
Tuberculosis	0	0	0	2	3	2.0	0.538
Varicella	0	0	2	6	8	14.8	3.985
Vibriosis - other (not cholera)	0	1	0	3	3	2.0	0.538
West Nile Virus	0	0	0	0	0	1.4	0.377
Yersiniosis	0	1	5	7	9	4.8	1.292

Source: Ohio Disease Reporting System, downloaded 11/08/2022. Rates are per 100K population and based on 5 yr average incidence 2017-2021.