

AUGUST 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, Cassie Johnson at 330.451.1688 or johnsonc@starkhealth.org or Kaelyn Boyd at 234.458.5135 or kboyd@cantonhealth.org.



Public Health
Prevent. Promote. Protect.

Monthly Highlight: Region 5 Syphilis Dashboard

The United States has seen an alarming increase in syphilis over the past few years. From 2021 to 2022, Stark County's syphilis rates increased from 17.3 cases per 100,000 persons to 30.3 cases per 100,000 persons, which represent a 75% increase. In Stark County males during the same time frame, case rates nearly doubled from 22.8 cases per 100,000 to 42.3 cases per 100,000 persons. A similar trend was seen among women in Stark County, with an increase of 61% from 11.1 cases per 100,000 to 17.9 cases per 100,000 persons. In addition to seeing an increase in total syphilis cases, our county also saw some of its first reported cases of congenital syphilis. In 2021, we saw 1 case of congenital syphilis and in 2022, we saw 2 cases in our county.

Unfortunately we are seeing these trends continue into 2023, with 81 cases of total syphilis, 2 of those cases being congenital syphilis, reported as of August. In order to increase awareness about the syphilis outbreak in our region, Canton City Public Health has created a Region 5 Syphilis Dashboard. Our region covers 8 counties (Carroll, Coshocton, Harrison, Holmes, Jefferson, Stark, Tuscarawas and Wayne) and the dashboard can be broken down by county. Basic demographic data can be found under "Demographics" and certain risk factors, like HIV status, pregnancy status and exposure categories, can be found under the "Risk Factors" tab. Our hope is that this dashboard brings awareness to our current syphilis numbers locally and can help inform public health interventions moving forward. This dashboard will be updated on the last Friday of each month. Contact information for dashboard assistance or for Canton City Public Health's STI Prevention Program can be found under "Overview and Data Resources".



For more information:

[Region 5 Syphilis Dashboard](#)

[What Healthcare Providers Can Do](#)

Table 1: Select Vital Statistics for Stark County

	Aug 2023	YTD 2023	2022
Live Births	316	2,562	3,851
Births to Teens	19	141	183
Deaths	389	3,041	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.

	August 2023				September 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	36	2	13	N/A	64	1	22	N/A
Mold Count	6,000	700	2,200	N/A	13,400	2,200	4,000	N/A
Air Quality Index	80	24	42	Moderate (9)	57	14	34	Moderate (3)

**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	
	Aug	YTD	Aug	YTD	Aug	YTD	Aug	YTD	Aug	YTD
Campylobacteriosis	1	3	4	16	0	5	11	41	16	65
Chlamydia infection	12	94	72	534	8	94	53	382	145	1104
COVID-19	21	368	91	933	34	385	269	3095	415	4781
CPO	1	1	0	5	0	5	5	16	6	27
CPO - Colonization Screening	0	0	0	0	0	0	0	2	0	2
Creutzfeldt-Jakob Disease	0	0	0	0	0	0	0	1	0	1
Cryptosporidiosis	0	1	1	1	0	1	3	11	4	14
Cyclosporiasis	0	0	0	2	0	0	0	1	0	3
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	0	0	0	1	0	2	6	14	6	17
Ehrlichiosis-Ehrlichia chaffeensis	0	0	0	0	0	0	1	1	1	1
Giardiasis	0	1	1	4	0	1	2	4	3	10
Gonococcal infection	0	25	36	248	5	37	18	111	59	421
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	0	1	0	2
Hepatitis B (including delta) - chronic	0	0	1	5	0	2	0	9	1	16
Hepatitis C - acute	0	0	0	1	0	0	0	1	0	2
Hepatitis C - chronic	1	14	9	50	4	18	6	33	20	115
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
LaCrosse virus disease (other California serogroup virus disease)	0	0	0	0	0	0	1	1	1	1
Legionellosis	0	0	0	1	1	1	4	9	5	11
Listeriosis	0	0	0	0	0	0	0	1	0	1
Lyme Disease	0	1	0	2	1	4	14	49	15	56
Meningitis - aseptic/viral	0	0	1	5	0	0	1	5	2	10
Meningitis - bacterial (Not N. meningitidis)	0	0	1	2	0	0	0	0	1	2
Mumps	0	0	0	0	0	1	0	0	0	1
Pertussis	0	0	0	0	0	0	7	10	7	10
Salmonellosis	0	1	4	8	0	3	2	22	6	34
Shigellosis	0	0	0	2	0	0	1	5	1	7
Streptococcal - Group A -invasive	0	5	0	7	0	0	1	23	1	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	0	2	1	6	0	2	0	13	1	23
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	0	0	2	0	0	0	1	0	3
Syphilis, Total	0	3	7	44	0	8	2	26	9	81
Syphilis, Primary, Secondary and Early Latent	0	2	2	30	0	4	2	19	4	55
Syphilis, Congenital	0	0	0	2	0	0	0	0	0	2
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	0	2	0	2
Yersiniosis	0	0	0	2	0	2	0	4	0	8
Total	36	523	229	1912	53	583	407	3968	725	6986

Summary Table of Select Reportable Conditions Reported in the Previous 5 years within Stark County, OH (Provisional Data)	Aug 2023	Aug 2022	YTD 2023	YTD 2022	All of 2022	5 Year Annual Average	Rate
Campylobacteriosis	16	8	65	46	71	70.0	18.83
Chlamydia infection	145	156	1104	1106	1672	1692.8	455.46
COVID-19	415	2984	4781	26133	32266	19153.0	5153.29
CPO	6	2	27	16	22	15.2	4.09
CPO - Colonization Screening	0	0	2	0	0	N/A	N/A
Creutzfeldt-Jakob Disease	0	0	1	0	0	0.6	0.16
Cryptosporidiosis	4	4	14	14	18	27.0	7.26
Cyclosporiasis	0	0	3	1	1	4.2	1.13
E. coli, Shiga Toxin-Producing (O157:H7, Not O157, Unknown Serotype)	6	2	17	7	10	11.8	3.17
Ehrlichiosis-Ehrlichia chaffeensis	1	0	1	1	1	0.2	0.05
Giardiasis	3	1	10	3	7	10.8	2.91
Gonococcal infection	59	63	421	519	767	715.0	192.38
Haemophilus influenzae (invasive disease)	0	1	8	7	12	6.8	1.83
Hepatitis B (including delta) - acute	0	0	2	1	2	5.2	1.40
Hepatitis B (including delta) - chronic	1	5	16	22	29	36.0	9.69
Hepatitis C - acute	0	0	2	5	7	7.0	1.88
Hepatitis C - chronic	20	16	115	134	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
LaCrosse virus disease (other California serogroup virus disease)	1	0	1	0	1	1.2	0.32
Legionellosis	5	9	11	27	28	27.8	7.48
Listeriosis	0	0	1	1	3	1.2	0.32
Lyme Disease	15	5	56	20	28	22.4	6.03
Meningitis - aseptic/viral	2	0	10	9	14	20.6	5.54
Meningitis - bacterial (Not N. meningitidis)	1	0	2	1	1	2.0	0.54
Mumps	0	0	1	0	0	0.4	0.11
Pertussis	7	0	10	0	0	21.8	5.87
Salmonellosis	6	7	34	36	47	45.6	12.27
Shigellosis	1	3	7	9	13	13.2	3.55
Streptococcal - Group A -invasive	1	0	35	13	20	15.4	4.14
Streptococcal - Group B - in newborn	0	0	1	1	1	0.3	0.38
Streptococcus pneumoniae - invasive antibiotic resistance unknown or non-resistant	1	1	23	13	20	20.0	5.38
Streptococcus pneumoniae - invasive antibiotic resistant/intermediate	0	1	3	13	18	11.4	3.07
Syphilis, Total	9	12	81	74	113	57.6	15.50
Syphilis, Primary, Secondary and Early Latent	4	9	55	56	84	41.4	11.14
Syphilis, Congenital	0	0	2	2	2	0.6	0.16
Tuberculosis	0	0	2	0	0	1.6	0.43
Typhoid fever	0	0	0	0	0	0.0	0.00
Varicella	0	0	6	2	4	12.6	3.39
Vibriosis (not cholera)	0	0	2	0	1	1.8	0.48
Yersiniosis	0	0	8	5	5	5	1.35

Source: Ohio Disease Reporting System, downloaded 9/25/2023. Rates are per 100K population and based on 5 yr. average incidence 2018-2022.

