

# **2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023**

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

# 2025 Annual Infectious Disease Report 2019-2023

**This report was compiled and prepared by:**

Kaelyn Boyd, MPH, CHES<sup>®</sup>

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**Please direct questions or comments regarding this report to:**

Kaelyn Boyd, MPH, CHES<sup>®</sup>

Phone: (234) 458-5135

Email: [kboyd@cantonhealth.org](mailto:kboyd@cantonhealth.org)



# TABLE OF CONTENTS

Title Page .....	1
Contributions .....	2
Table of Contents .....	3
List of Reportable Infectious Diseases in Ohio .....	4
Demographic Profile of Stark County.....	6
<b>Jurisdictional Reporting</b>	
Table 1. Stark County (entire county) .....	7
Table 2. Canton City .....	9
Table 3. Alliance City.....	11
Table 4. Massillon City .....	13
Table 5. Stark County (remaining jurisdiction) .....	15
Infectious Disease Outbreaks .....	18
Infectious Disease Highlights .....	19
Data and Contact Information .....	22

*The goal of this report is to provide a complete summary of infectious disease data. It is intended to be a resource for individuals and public health partners within Stark County.*

## REPORTABLE INFECTIOUS DISEASES IN OHIO

### Class A:

Diseases of major public health concern because of the severity of disease or potential for epidemic spread – report immediately via telephone upon recognition that a case, a suspected case, or a positive laboratory result exists.

- Anthrax
- Botulism, Foodborne
- Cholera
- Diphtheria
- Influenza A – novel virus infection
- Measles
- Meningococcal disease
- Middle East Respiratory Syndrome (MERS)
- Plague
- Rabies, Human
- Rubella (not congenital)
- Severe Acute Respiratory Syndrome (SARS)
- Smallpox
- Tularemia
- Viral Hemorrhagic Fever (VHF)

### Class B:

Disease of public health concern needing timely response because of potential for epidemic spread –report by the end of the next business day after the existence of a case, a suspected case, or a positive laboratory result is known.

- Amebiasis
- Arboviral neuroinvasive & non-neuroinvasive disease:
  - Chikungunya virus infection
  - Eastern equine encephalitis virus disease
  - Lacrosse virus disease
  - Powassan virus disease
  - St. Louis encephalitis virus disease
  - West Nile virus infection
  - Western equine encephalitis virus disease
  - Yellow fever
  - Zika virus infection
  - Other arthropod-borne diseases
- Babesiosis
- Botulism
  - Infant
  - Wound
- Brucellosis
- Campylobacteriosis
- *Candida auris*
- Carbapenemase-producing carbapenem-resistant Enterobacteriaceae (CP-CRE)
  - CP-CRE *Enterobacter* spp.
  - CP-CRE *Escherichia coli*
  - CP-CRE *Klebsiella* spp.
  - CP-CRE other
- Chancroid
- *Chlamydia trachomatis* infections
- Coccidioidomycosis
- COVID-19, including MIS conditions\*
- Creutzfeldt-Jakob disease (CJD)
- Cryptosporidiosis
- Cyclosporiasis
- Dengue
- *E. coli* O157:H7 and Shiga toxin-producing *E. coli* (STEC)
- Ehrlichiosis/anaplasmosis
- Giardiasis
- Gonorrhea (*Neisseria gonorrhoeae*)
- *Haemophilus influenzae* (invasive disease)
- Hantavirus
- Hemolytic uremic syndrome (HUS)
- Hepatitis A
- Hepatitis B (non-perinatal)
- Hepatitis B (perinatal)
- Hepatitis C (non-perinatal)
- Hepatitis C (perinatal)
- Hepatitis D (delta hepatitis)
- Hepatitis E
- Influenza-associated hospitalization
- Influenza-associated pediatric mortality
- Legionnaires' disease
- Leprosy (Hansen disease)
- Leptospirosis
- Listeriosis
- Lyme disease
- Malaria
- Meningitis
  - Aseptic (viral)
  - Bacterial
- Mpox\*\*
- Mumps
- Pertussis
- Poliomyelitis
- Psittacosis
- Q fever
- Rubella (congenital)
- *Salmonella* Paratyphi infection
- *Salmonella* Typhi infection (Typhoid fever)
- Salmonellosis

**Class B (continued)**

- Shigellosis
- Spotted Fever Rickettsiosis, including Rocky Mountain spotted fever (RMSF)
- *Staphylococcus aureus*, with resistance or intermediate resistance to vancomycin (VRSA, VISA)
- Streptococcal disease, group A, invasive (IGAS)
- Streptococcal disease, group B, in newborn
- Streptococcal toxic shock syndrome (STSS)
- *Streptococcus pneumoniae*, invasive disease (ISP)
- Syphilis
- Tetanus
- Toxic shock syndrome (TSS)
- Trichinellosis
- Tuberculosis (TB), including multi-drug resistant tuberculosis (MDR-TB)
- Varicella
- Vibriosis
- Yersiniosis

**Class C:**

Report an outbreak, unusual incident, or epidemic of other diseases (e.g., histoplasmosis, pediculosis, scabies, staphylococcal infections) by the end of the next business day.

Outbreaks:

- Community
- Foodborne
- Waterborne
- Zoonotic
- Healthcare-associated
- Institutional

\*Disclaimer: COVID-19, including MIS conditions, was deemed a Class B reportable disease under the revised Ohio Administrative Code 3701.23 on May 12th, 2023.

\*\*Disclaimer: Mpox was deemed a Class B reportable disease under the Ohio Administrative Code 3701.23 on July 27<sup>th</sup>, 2022.

## Demographic Profile of Stark County

### Stark County Population, 2023

- Stark County’s population increased 0.02% from 2022 to 2023.
- Stark County’s population is slightly more female (51.2%) than male (48.8%).
- 15.6% of Stark County’s population is non-White.
- 3.1% of Stark County’s population is Hispanic/Latino(a).

TABLE 1. STARK COUNTY POPULATION BY SEX, 2023

Sex	2023	
	POPULATION	PERCENT
Female	190,715	51.2%
Male	182,001	48.8%
Total	372,716	100%

TABLE 2. STARK COUNTY POPULATION BY ETHNICITY, 2023

ETHNICITY	2023	
	POPULATION	PERCENT
Hispanic/Latino(a)	11,610	3.1%
Non-Hispanic/ Non-Latino(a)	361,106	96.9%
Total	372,716	100%

TABLE 3. STARK COUNTY POPULATION BY RACE, 2023

Race	2023	
	POPULATION	PERCENT
American Indian or Alaskan Native	316	0.1%
Asian	3,372	0.9%
Black or African American	22,075	5.9%
Native Hawaiian and Other Pacific Islander	1,642	0.4%
White	314,247	84.3%
Two or More Races	28,506	7.6%
Some Other Race	2,558	0.7%
Total	372,716	100%

TABLE 4. STARK COUNTY POPULATION BY AGE GROUP, 2023

AGE (YEARS)	2023	
	POPULATION	PERCENT
0-4	20,188	5.4%
5-14	44,878	12.0%
15-24	45,265	12.1%
25-34	44,875	12.0%
35-44	44,896	12.1%
45-54	44,329	11.9%
55-64	49,769	13.4%
65-74	45,475	12.2%
75-84	24,002	6.4%
85+	8,949	2.4%
Total	372,716	100%

**Table 1. Summary of Reportable Infectious Diseases in Stark County (entire county), Ohio, 2019-2023**

Reportable Infectious Diseases	2019		2020		2021		2022		2023	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Anaplasmosis-Anaplasma phagocytophilium	--	--	--	--	1	--	1	--	1	--
Campylobacteriosis	89	24.0	53	14.3	56	15.0	69	18.5	113	30.3
Chlamydia	1,819	490.8	1,645	442.5	1,632	436.6	1,633	438.2	1,642	440.5
Coccidioidomycosis	--	--	--	--	1	--	2	--	--	--
COVID-19	--	--	21,753	5,851.4	44,218	11,828.2	30,194	8,102.4	9,105	2,442.9
<i>MIS associated w/ COVID-19</i>	--	--	2	--	10	2.7	4	--	--	--
CPO	19	5.1	17	4.6	19	5.1	21	5.6	39	10.5
CPO- Colonization Screening	--	--	--	--	--	--	--	--	8	2.1
Creutzfeldt-Jakob Disease	--	--	--	--	3	--	--	--	2	--
Cryptosporidiosis	42	11.3	23	6.2	21	5.6	17	4.6	16	4.3
Cyclosporiasis	4	--	3	--	5	1.3	1	--	3	--
E. coli, Shiga-Toxin Producing (STEC)	14	3.8	11	3.0	8	2.1	10	2.7	21	5.6
Ehrlichiosis-Ehrlichia chaffeensis	--	--	--	--	--	--	1	--	2	--
Giardiasis	20	5.4	5	1.3	5	1.3	9	2.4	17	4.6
Gonococcal infection (gonorrhea)	543	146.5	797	214.4	827	221.2	751	201.5	611	163.9
Haemophilus influenzae (invasive disease)	5	1.3	2	--	11	2.9	14	3.8	9	2.4
Hepatitis										
<i>A</i>	6	1.6	24	6.5	3	--	1	--	--	--
<i>B – acute</i>	9	2.4	1	--	2	--	2	--	4	--
<i>B – chronic</i>	38	10.3	38	10.2	34	9.1	30	8.1	32	8.6
<i>C – acute</i>	6	1.6	13	3.5	7	1.9	7	1.9	4	--
<i>C – chronic</i>	311	83.9	214	57.6	215	57.6	180	48.3	172	46.1
<i>C – perinatal</i>	1	--	--	--	1	--	1	--	1	--
<i>E</i>	--	--	--	--	--	--	--	--	1	--
Influenza-associated hospitalization	439	118.5	341	91.7	15	4.0	370	99.3	163	43.7
LaCrosse virus disease	--	--	--	--	1	--	1	--	2	--
Legionellosis	23	6.2	29	7.8	29	7.8	27	7.2	17	4.6

2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023

<b>Listeriosis</b>	2	--	--	--	--	--	3	--	1	--
<b>Lyme Disease</b>	19	5.1	12	3.2	43	11.5	36	9.7	94	25.2
<b>Malaria</b>	--	--	--	--	--	--	2	--	--	--
<b>Measles</b>	1	--	--	--	--	--	--	--	--	--
<b>Meningitis</b>										
<i>Aseptic/viral</i>	16	4.3	11	3.0	19	5.1	14	3.8	17	4.6
<i>Bacterial</i>	1	--	4	--	1	--	1	--	3	--
<b>Meningococcal disease - Neisseria meningitidis</b>	--	--	--	--	--	--	1	--	--	--
<b>Mpox</b>	--	--	--	--	--	--	8	2.1	--	--
<b>Mumps</b>	1	--	--	--	--	--	--	--	1	--
<b>Pertussis</b>	21	5.7	3	--	--	--	2	--	12	3.2
<b>Salmonellosis</b>	44	11.9	33	8.9	44	11.8	49	13.1	53	14.2
<b>Shigellosis</b>	25	6.7	1	--	4	--	13	3.5	10	2.7
<b>Spotted Fever Rickettsiosis (RMSF)</b>	1	--	--	--	--	--	1	--	--	--
<b>Streptococcal</b>										
<i>Group A – invasive</i>	15	4.0	7	1.9	11	2.9	21	5.6	45	12.1
<i>Group B – newborn</i>	1	--	2	--	1	--	1	--	1	--
<b>Streptococcal Toxic Shock Syndrome (STSS)</b>	--	--	--	--	--	--	1	--	--	--
<b>Streptococcus pneumoniae</b>										
<i>Invasive antibiotic resistance unknown/non-resistant</i>	24	6.5	15	4.0	16	4.3	20	5.4	34	9.1
<i>Invasive antibiotic resistant/intermediate</i>	10	2.7	11	3.0	9	2.4	16	4.3	9	2.4
<b>Syphilis</b>										
<i>Total</i>	34	9.0	42	11.3	64	17.1	113	30.3	128	34.3
<i>Primary, Secondary, Early Latent</i>	26	7.2	32	8.6	44	11.8	79	21.2	79	21.2
<b>Tuberculosis</b>	1	--	--	--	2	--	1	--	1	--
<b>Varicella</b>	26	7.0	10	2.7	8	2.1	4	--	10	--
<b>Vibriosis (not cholera)</b>	3	--	1	--	3	--	1	--	2	--
<b>Yersiniosis</b>	3	--	6	1.6	8	2.1	6	1.6	9	2.7
<b>West Nile Virus disease</b>	--	--	--	--	--	--	--	--	2	--



Table 2. Summary of Reportable Infectious Diseases in Canton City, Ohio, 2019-2023

Reportable Infectious Diseases	2019		2020		2021		2022		2023	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>Campylobacteriosis</b>	15	21.1	11	15.5	10	14.2	16	23.0	24	34.5
<b>Chlamydia</b>	810	1,137.0	789	1,113.4	744	1,056.2	813	1,167.0	805	1,155.5
<b>COVID-19</b>	--	--	3,459	4,881.2	8,516	12,090.1	5,627	8,077.3	1,661	2,384.3
<i>MIS associated w/ COVID-19</i>	--	--	--	--	2	--	--	--	--	--
<b>CPO</b>	5	7.0	6	8.5	3	--	1	--	5	7.2
<b>Cryptosporidiosis</b>	4	--	7	9.9	5	7.1	4	--	1	--
<b>Cyclosporiasis</b>	1	--	--	--	--	--	--	--	2	--
<b>E. coli, Shiga-Toxin Producing (STEC)</b>	3	--	--	--	1	--	--	--	2	--
<b>Giardiasis</b>	4	--	1	--	2	--	--	--	6	8.6
<b>Gonococcal infection (gonorrhea)</b>	310	435.1	509	718.3	500	709.8	456	654.6	358	513.9
<b>Haemophilus influenzae (invasive disease)</b>	2	--	--	--	1	--	2	--	1	--
<b>Hepatitis</b>										
<i>A</i>	--	--	20	28.2	1	--	--	--	--	--
<i>B – acute</i>	4	--	--	--	--	--	--	--	3	--
<i>B – chronic</i>	10	14.2	12	16.9	15	21.3	11	15.8	11	15.8
<i>C – acute</i>	2	--	4	--	3	--	5	7.2	1	--
<i>C – chronic</i>	102	143.2	86	121.4	85	120.7	77	110.5	72	103.4
<b>Influenza-associated hospitalization</b>	121	169.8	99	139.7	1	--	123	176.6	38	54.5
<b>Legionellosis</b>	7	9.8	8	11.3	5	7.1	8	11.5	2	--
<b>Lyme Disease</b>	--	--	1	--	6	8.5	2	--	3	--
<b>Meningitis</b>										
<i>Aseptic/viral</i>	6	8.4	1	--	8	11.4	5	7.2	5	7.2
<i>Bacterial</i>	--	--	1	--	--	--	--	--	3	--
<b>Mpox</b>	--	--	--	--	--	--	1	--	--	--
<b>Pertussis</b>	5	7.0	--	--	--	--	--	--	--	--
<b>Salmonellosis</b>	4	--	6	8.5	8	11.4	12	17.2	11	15.8
<b>Shigellosis</b>	3	--	--	--	2	--	2	--	5	7.2

2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023

<b>Streptococcal</b>										
<i>Group A – invasive</i>	2	--	4	--	7	9.9	7	10.1	11	15.8
<i>Group B – newborn</i>	--	--	1	--	--	--	1	--	--	--
<b>Streptococcus pneumoniae</b>										
<i>Invasive antibiotic resistance unknown/non-resistant</i>	7	9.8	8	11.3	6	8.5	8	11.5	10	14.4
<i>Invasive antibiotic resistant/intermediate</i>	2	--	5	7.1	4	--	7	10.0	4	--
<b>Syphilis</b>										
<i>Total</i>	16	22.5	23	32.5	28	39.8	60	86.1	73	104.8
<i>Primary, Secondary, Early Latent</i>	9	12.6	17	24.0	17	24.1	43	61.7	45	64.6
<b>Varicella</b>	8	11.2	3	--	1	--	--	--	3	--
<b>Vibriosis (not cholera)</b>	--	--	1	--	1	--	--	--	--	--
<b>Yersiniosis</b>	1	--	1	--	4	--	1	--	2	--

**Table 3. Summary of Reportable Infectious Diseases in Massillon City, Ohio, 2019-2023**

Reportable Infectious Diseases	2019		2020		2021		2022		2023	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>Campylobacteriosis</b>	7	21.6	3	--	4	--	2	--	11	34.2
<b>Chlamydia</b>	184	567.6	171	526.4	157	487.6	148	459.9	160	497.2
<b>COVID-19</b>	--	--	2,039	6,276.9	3,649	11,332.7	2,696	8,378.1	866	2,753.3
<i>MIS associated w/ COVID-19</i>	--	--	--	--	--	--	1	--	--	--
<b>CPO</b>	4	--	4	--	2	--	5	15.5	8	24.9
<b>Cryptosporidiosis</b>	1	--	--	--	1	--	1	--	1	--
<b>Cyclosporiasis</b>	--	--	1	--	--	--	--	--	--	--
<b>E. coli, Shiga-Toxin Producing (STEC)</b>	3	--	2	--	--	--	--	--	2	--
<b>Giardiasis</b>	2	--	--	--	--	--	--	--	1	--
<b>Gonococcal infection (gonorrhea)</b>	48	148.1	75	230.9	66	205.0	58	180.2	56	174.0
<b>Haemophilus influenzae (invasive disease)</b>	--	--	--	--	--	--	3	--	1	--
<b>Hepatitis</b>										
<i>B – acute</i>	2	--	--	--	--	--	1	--	--	--
<i>B – chronic</i>	5	15.4	3	--	1	--	4	--	4	--
<i>C – acute</i>	1	--	2	--	--	--	--	--	--	--
<i>C – chronic</i>	44	135.7	25	77.0	23	71.4	16	49.7	28	87.0
<i>C - Perinatal</i>	--	--	--	--	--	--	1	--	--	--
<b>Influenza-associated hospitalization</b>	37	114.1	42	129.3	1	--	31	96.3	20	62.2
<b>Legionellosis</b>	4	--	4	--	5	15.5	--	--	1	--
<b>Lyme Disease</b>	--	--	4	--	2	--	4	--	6	18.6
<b>Meningitis</b>										
<i>Aseptic/viral</i>	3	--	1	--	2	--	2	--	2	--
<i>Bacterial</i>	--	--	--	--	--	--	1	--	--	--
<b>Mpox</b>	--	--	--	--	--	--	1	--	--	--
<b>Mumps</b>	--	--	--	--	--	--	--	--	1	--
<b>Pertussis</b>	4	--	--	--	--	--	--	--	1	--
<b>Salmonellosis</b>	7	21.6	2	--	3	--	4	--	5	15.5

2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023

<b>Streptococcal</b> <i>Group A – invasive</i>	2	--	3	--	--	--	2	--	--	--
<b>Streptococcus pneumoniae</b> <i>Invasive antibiotic resistance</i>	--	--	--	--	2	--	1	--	3	--
<i>unknown/non-resistant</i>	2	--	--	--	1	--	2	--	--	--
<i>Invasive antibiotic resistant/intermediate</i>										
<b>Syphilis</b> <i>Total</i>	3	--	4	--	5	15.5	9	28.0	17	52.8
<i>Primary, Secondary, Early Latent</i>	2	--	3	--	5	15.5	6	18.6	10	31.1
<b>Tuberculosis</b>	--	--	--	--	--	--	--	--	1	--
<b>Varicella</b>	2	--	--	--	--	--	--	--	1	--
<b>Vibriosis (not cholera)</b>	1	--	--	--	--	--	--	--	--	--
<b>Yersiniosis</b>	--	--	--	--	--	--	1	--	2	--

**Table 4. Summary of Reportable Infectious Diseases in Alliance City, Ohio, 2019-2023**

Reportable Infectious Diseases	2019		2020		2021		2022		2023	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>Campylobacteriosis</b>	2	--	1	--	3	--	5	23.1	4	--
<b>Chlamydia</b>	137	627.2	115	530.7	131	599.2	132	611.0	121	560.1
<b>COVID-19</b>	--	--	1,167	5,385.1	2,778	12,705.8	2,272	10,517.1	691	3,198.6
<i>MIS associated w/ COVID-19</i>	--	--	--	--	1	--	1	--	--	--
<b>CPO</b>	1	--	1	--	1	--	--	--	1	--
<b>Cryptosporidiosis</b>	3	--	3	--	2	--	--	--	2	--
<b>E. coli, Shiga-Toxin Producing (STEC)</b>	--	--	4	--	--	--	1	--	--	--
<b>Giardiasis</b>	1	--	1	--	1	--	--	--	1	--
<b>Gonococcal infection (gonorrhea)</b>	25	114.5	44	203.0	56	256.1	80	370.3	34	157.4
<b>Haemophilus influenzae (invasive disease)</b>	--	--	--	--	--	--	1	--	--	--
<b>Hepatitis</b>										
<i>A</i>	--	--	2	--	--	--	--	--	--	--
<i>B – acute</i>	1	--	--	--	1	--	--	--	--	--
<i>B – chronic</i>	4	--	3	--	1	--	4	--	--	--
<i>C – acute</i>	3	--	1	--	--	--	1	--	--	--
<i>C – chronic</i>	28	128.2	16	73.8	16	73.2	17	78.7	22	101.8
<b>Influenza-associated hospitalization</b>	15	68.7	11	50.8	1	--	10	46.3	12	55.5
<b>Legionellosis</b>	2	--	2	--	1	--	--	--	1	--
<b>Lyme Disease</b>	--	--	1	--	1	--	--	--	2	--
<b>Meningitis</b>										
<i>Aseptic/viral</i>	4	--	1	--	2	--	1	--	--	--
<b>Mpox</b>	--	--	--	--	--	--	1	--	--	--
<b>Salmonellosis</b>	2	--	--	--	1	--	2	--	3	--
<b>Streptococcal</b>										
<i>Group A – invasive</i>	--	--	--	--	--	--	--	--	6	27.8
<i>Group B – newborn</i>	--	--	--	--	1	--	--	--	--	--

2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023

<b>Streptococcus pneumoniae</b>										
<i>Invasive antibiotic resistance unknown/non-resistant</i>	2	--	--	--	1	--	1	--	3	--
<i>Invasive antibiotic resistant/intermediate</i>	3	--	2	--	--	--	1	--	--	--
<b>Syphilis</b>										
<i>Total</i>	3	--	2	--	7	32.0	6	27.8	7	32.4
<i>Primary, Secondary, Early Latent</i>	3	--	1	--	7	32.0	4	18.5	3	--
<b>Varicella</b>	--	--	5	23.1	1	--	2	--	--	--
<b>Yersiniosis</b>	--	--	--	--	1	--	--	--	--	--

**Table 5. Summary of Reportable Infectious Diseases in Stark County (remaining jurisdiction), Ohio, 2019-2023**

Reportable Infectious Diseases	2019		2020		2021		2022		2023	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Anaplasmosis-Anaplasma phagocytophilum	--	--	--	--	1	--	1	--	1	--
Babesiosis	--	--	--	--	--	--	1	--	--	--
Campylobacteriosis	65	26.5	38	15.4	39	15.6	46	18.5	74	29.7
Chlamydia	688	280.7	570	231.2	600	240.6	540	216.7	556	223.1
Coccidioidomycosis	--	--	--	--	1	--	2	--	--	--
COVID-19	--	--	15,088	6,120.9	29,275	11,741.3	19,599	7,864.4	5,867	2,354.2
<i>MIS associated w/ COVID-19</i>	--	--	2	--	7	2.8	2	--	--	--
CPO	9	3.7	6	2.4	13	5.2	15	6.0	25	10.0
CPO- Colonization Screening	--	--	--	--	--	--	--	--	8	3.2
Creutzfeldt-Jakob Disease	--	--	--	--	3	--	--	--	2	--
Cryptosporidiosis	34	13.9	13	5.3	13	5.2	12	4.7	12	4.8
Cyclosporiasis	3	--	2	--	5	2.0	1	--	1	--
E. coli, Shiga-Toxin Producing (STEC)	8	3.3	5	2.0	7	2.8	9	3.6	17	6.8
Ehrlichiosis-Ehrlichia chaffeensis	--	--	--	--	--	--	1	--	2	--
Giardiasis	13	5.3	3	--	2	--	9	3.6	9	3.6
Gonococcal infection (gonorrhea)	160	65.3	169	68.6	205	82.2	157	63.0	163	65.4
Haemophilus influenzae (invasive disease)	3	--	2	--	9	3.6	8	3.2	7	2.8
Hepatitis										
<i>A</i>	6	2.4	2	--	2	--	1	--	--	--
<i>B – acute</i>	2	--	1	--	1	--	1	--	1	--
<i>B – chronic</i>	19	7.8	20	8.1	17	6.8	11	4.4	17	6.8
<i>C – acute</i>	--	--	6	2.4	4	--	1	--	3	--
<i>C – chronic</i>	137	55.9	87	35.2	91	36.5	70	28.1	50	20.1
<i>C – perinatal</i>	1	--	--	--	1	--	--	--	1	--
<i>E</i>	--	--	--	--	--	--	--	--	1	--
Influenza-associated hospitalization	266	108.5	189	76.7	12	4.8	206	82.7	93	37.3

2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023

<b>LaCrosse virus disease</b>	--	--	--	--	1	--	1	--	2	--
<b>Legionellosis</b>	10	4.1	15	6.1	18	7.2	19	7.6	13	5.2
<b>Listeriosis</b>	2	--	--	--	--	--	3	--	1	--
<b>Lyme Disease</b>	19	7.8	6	2.4	34	13.6	30	12.0	83	33.3
<b>Malaria</b>	--	--	--	--	--	--	2	--	--	--
<b>Measles</b>	1	--	--	--	--	--	--	--	--	--
<b>Meningitis</b>										
<i>Aseptic/viral</i>	3	--	8	3.2	7	2.8	6	2.4	10	4.0
<i>Bacterial</i>	1	--	3	--	1	--	--	--	--	--
<b>Meningococcal disease - Neisseria meningitidis</b>	--	--	--	--	--	--	1	--	--	--
<b>Mpox</b>	--	--	--	--	--	--	5	2.0	--	--
<b>Mumps</b>	1	--	--	--	--	--	--	--	--	--
<b>Pertussis</b>	12	4.9	3	--	--	--	2	--	11	4.4
<b>Salmonellosis</b>	31	12.6	25	10.1	32	12.8	31	12.4	34	13.6
<b>Shigellosis</b>	22	9.0	1	--	2	--	11	4.4	5	2.0
<b>Spotted Fever Rickettsiosis (RMSF)</b>	1	--	--	--	--	--	1	--	--	--
<b>Streptococcal</b>										
<i>Group A – invasive</i>	11	4.5	--	--	4	--	12	4.8	28	11.2
<i>Group B – newborn</i>	1	--	1	--	--	--	--	--	1	--
<b>Streptococcal toxic shock syndrome (STSS)</b>	--	--	--	--	--	--	1	--	--	--
<b>Streptococcus pneumoniae</b>										
<i>Invasive antibiotic resistance unknown/non-resistant</i>	15	6.1	7	2.0	7	2.8	10	4.0	18	7.2
<i>Invasive antibiotic resistant/intermediate</i>	3	--	4	--	4	--	6	2.4	5	2.0
<b>Syphilis</b>										
<i>Total</i>	12	4.9	13	5.3	24	9.6	38	15.2	31	12.4
<i>Primary, Secondary, Early Latent</i>	12	4.9	11	4.5	15	6.0	27	10.8	21	8.4
<b>Toxic shock syndrome (TSS)</b>	--	--	--	--	--	--	--	--	1	--
<b>Tuberculosis</b>	1	--	--	--	2	--	1	--	--	--
<b>Varicella</b>	16		2	--	6	2.4	2	--	6	2.4



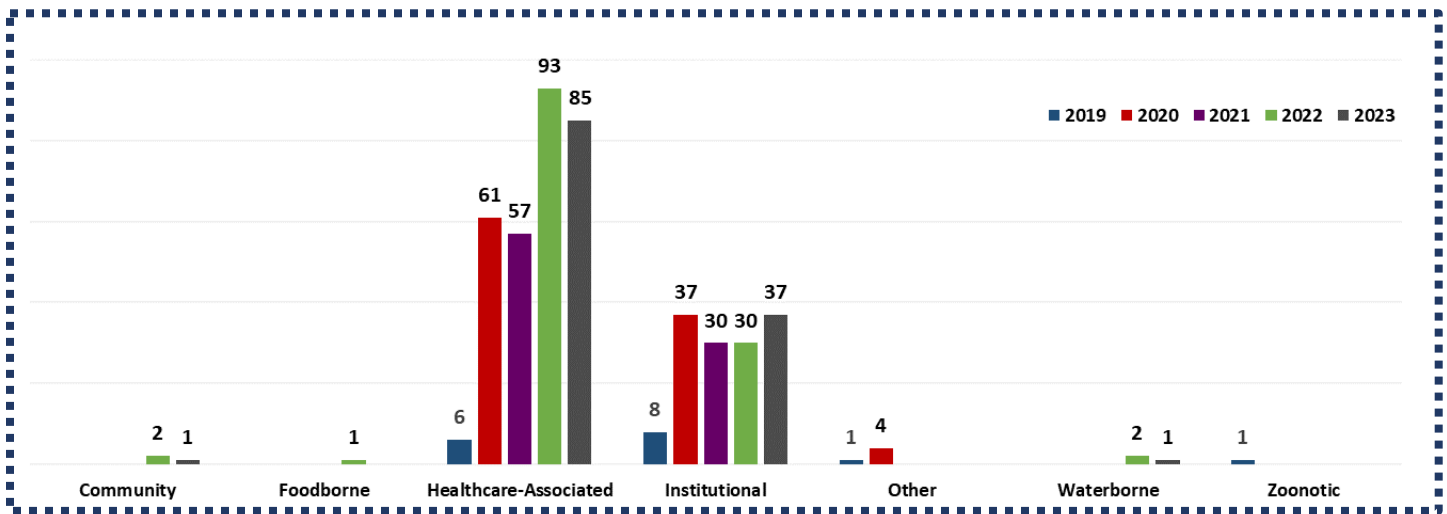
2025 ANNUAL INFECTIOUS DISEASE REPORT 2019-2023

Vibriosis (not cholera)	2	--	--	--	2	--	1	--	2	--
West Nile Virus disease	--	--	--	--	--	--	--	--	2	--
Yersiniosis	2	--	5	2.0	3	--	4	--	5	2.0

# Infectious Disease Outbreaks in Stark County

Outbreaks are Class C reportable conditions and, under Ohio Administrative Code 3701-3, are required to be reported by the end of the next business day to the local health jurisdiction. In Ohio, outbreaks are categorized by setting or mode of transmission: community, foodborne, healthcare-associated, institutional, waterborne, zoonotic, and other. Outbreaks in Stark County may be identified through several means, including communicable disease investigation reports, review of surveillance data or reports from a person, institution or facility. Health departments in Stark County work closely with those involved in the outbreak to investigate and implement prevention measures. Below is a summary of outbreaks that have been reported in Stark County from 2019-2023, with a closer look at outbreak settings and causative agents during outbreaks reported in 2023.

STARK COUNTY CONFIRMED AND PROBABLE OUTBREAKS REPORTED BY YEAR, 2019-2023



STARK COUNTY OUTBREAKS BY CAUSATIVE AGENT, 2023

**COVID-19: 100**

**Hand, Foot and Mouth Disease: 15**

**Lice: 2**

**Pertussis: 1**

**Influenza: 1**

**Legionella: 1**

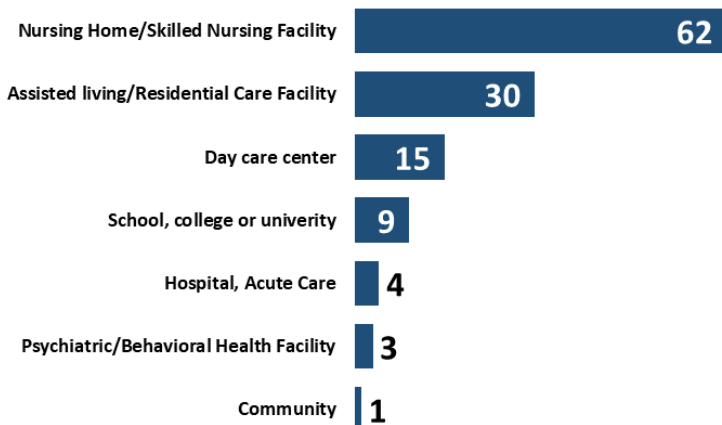
**Norovirus: 1**

**Other: 1**

**Respiratory Syncytial Virus (RSV): 1**

**Streptococcus: 1**

STARK COUNTY OUTBREAKS BY SETTING TYPE, 2023



# County Disease Spotlight: Lyme Disease

LYME DISEASE		2023
Number of Cases		94
Rate*	Overall	25.2
	Female	13.7
	Male	37.3
Age of Cases (years)	Mean	31
	Median	20
	Range	1-82

\*Rate per 100,000 population

**LOCAL FACTS:**

- **In Stark County in 2023:**
  - The rate of Lyme disease in males was 2.7 times higher than it was in females
  - 40% of cases occurred in those 14 years of age and younger
  - 70% of cases occurred in May, June and July

**Infectious Agent:** *Borrelia burgdorferi* or *Borrelia mayonii*, which is a spirochete-type bacterium.

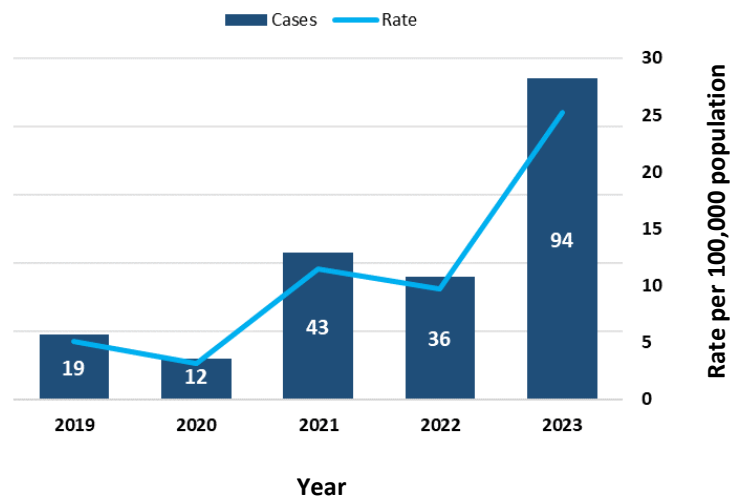
**Mode of Transmission:** The bacteria are transmitted through the bite of a tick: *Ixodes scapularis* in the eastern and midwestern United States (US) and *I. pacificus* in the western part of the US. Warmer temperatures in recent years have increased the population of blacklegged ticks in Ohio, which means more opportunities for tick bites and disease spread.

**Signs and Symptoms:** A circular rash, known as erythema migrans or EM, occurs in approximately 70-80% of infected persons and begins at the site of the tick bit. This rash tends to gradually expand over a period of several days and may be warm, but is usually not painful. Persons may also experience fatigue, chills, fever, headache, muscle and joint aches, and swollen lymph nodes. If left untreated, the infection may spread to other parts of the body, causing symptoms such as Bell's palsy, severe headaches and neck stiffness, nerve pain, and heart issues.

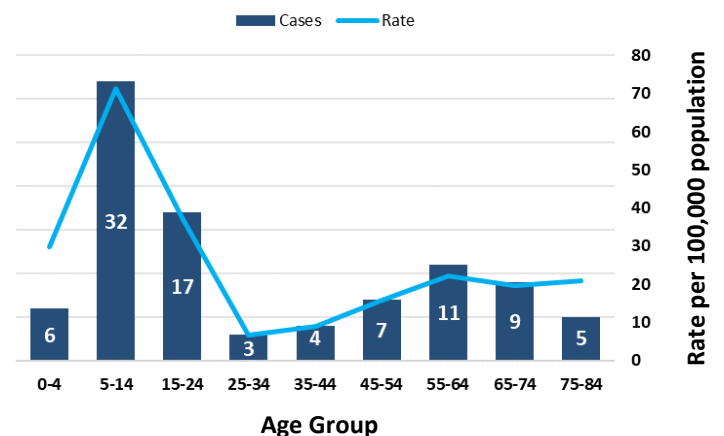
**Prevention:** Avoiding tick bites is the best form of prevention for Lyme Disease. The following can be done to help reduce your exposure to ticks:

- Avoid tall grass and overgrown, brushy areas
- Wear light-colored clothing so ticks can be spotted more easily
- Tuck pant cuffs into socks
- Wear insect repellent
- Examine yourself and pets after being outdoors

Lyme Disease Cases and Rates by Year in Stark County, 2019-2023



Lyme Disease Cases and Rates by Age Group in Stark County, 2023



# County Disease Spotlight: Campylobacteriosis

CAMPYLOBACTERIOSIS		2023
Number of Cases		113
Rate*	Overall	30.3
	Female	33.6
	Male	26.9
Age of Cases (years)	Mean	50
	Median	55
	Range	1-94

### LOCAL FACTS:

- In Stark County in 2023:
  - The overall rate of campylobacteriosis in Stark County increased by 26% from 2019 to 2023.
  - The majority of cases (65%) occurred in those 45 years of age and older
  - Just over half of cases (52%) occurred in July, August and September

**Infectious Agent:** Most commonly *Campylobacter jejuni*, but other *Campylobacter* organisms, like *C. lari*, *C. fetus*, and *C. upsaliensis*, have been identified in diarrhea in normal hosts. *C. ureolyticus* is also occasionally reported, and is usually associated with wounds. *Campylobacter* are bacteria.

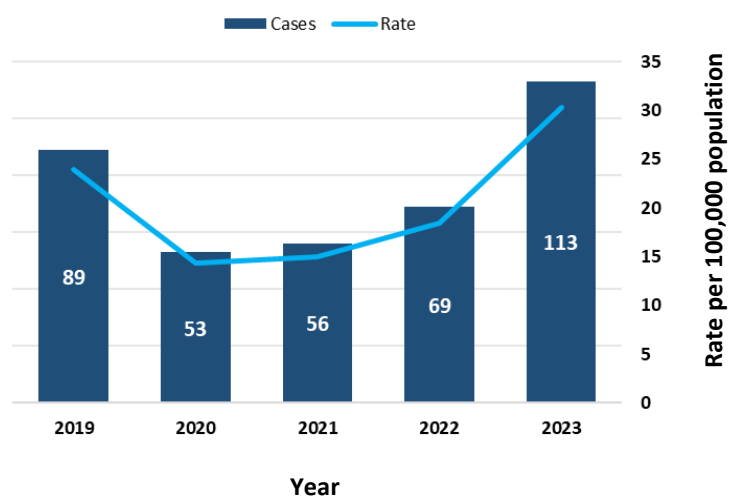
**Mode of Transmission:** These bacteria are acquired via the fecal-oral route from undercooked meat, mostly poultry, contaminated food and water, or raw milk. Direct contact with infected animals can also be a source of infection. Person-to-person transmission is not common.

**Signs and Symptoms:** Signs and symptoms can range from mild to severe. They may include fever, headache, myalgia, and malaise, which can occur 12-24 hours before the onset of intestinal symptoms. Intestinal symptoms include diarrhea, which may contain blood or mucus, abdominal pain, vomiting, and nausea.

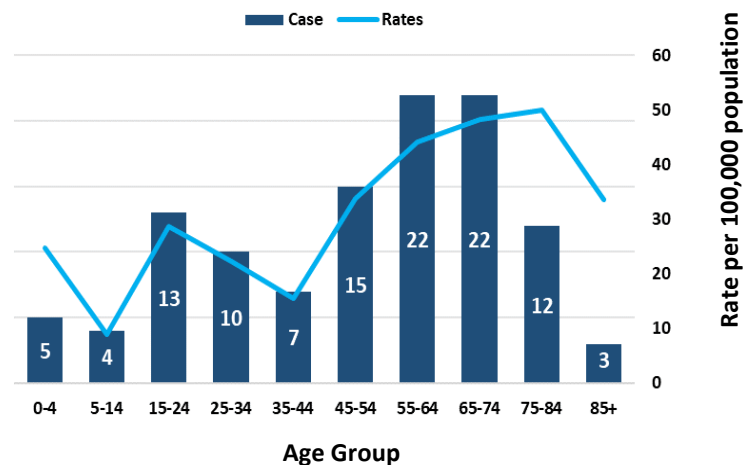
### Prevention:

- Cook meat, especially poultry, thoroughly
- Avoid cross-contamination of foods with raw meat juices
- Avoid drinking unpasteurized milk and untreated water
- Thorough hand washing, especially after contact with animals, bowel movements, diaper changes, and before eating or preparing food

Campylobacteriosis Cases and Rates by Year in Stark County, 2019-2023



Campylobacteriosis Cases and Rates by Age Group in Stark County, 2023



# County Disease Spotlight: Hepatitis C- Chronic

HEPATITIS C- CHRONIC		2023
Number of Cases		172
Rate*	Overall	46.1
	Female	34.6
	Male	57.7
Age of Cases (years)	Mean	47
	Median	44
	Range	11-96

### LOCAL FACTS:

- In Stark County in 2023:
  - The rate of hepatitis C- chronic in males was 1.7 times higher than it was in females
  - The overall rate of hepatitis C- chronic in Stark County decreased by 45% from 2019 to 2023.
  - Almost half of cases (47%) occurred in people ages 25-44 years of age

**Infectious Agent:** Hepatitis C virus (HCV) is classified in the genus *Hepacivirus* in the *Flaviviridae* family. There are seven different genotypes and more than 67 subtypes of this virus.

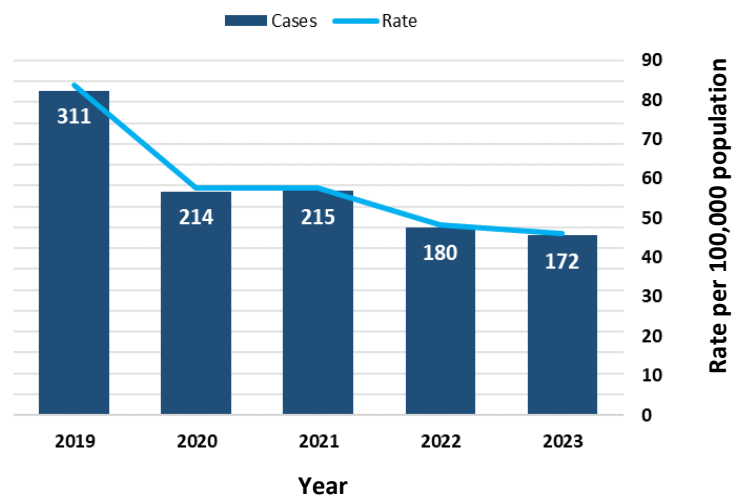
**Mode of Transmission:** This virus is transmitted through exposure to infectious blood or body fluids that contain blood. The most common mode of transmission in the United States is due to injection drug use, through sharing needles or other drug paraphernalia.

**Signs and Symptoms:** Chronic hepatitis C is an infection with the virus that continues beyond the acute phase, or approximately 12 months. Chronic infection develops in 75-85% of those infected, and chronic liver disease develops in 60-70% of infected persons. Chronic liver disease is accompanied by persistent or fluctuating ALT levels. The progression is usually slow and without symptoms or physical signs, but some persons may develop medical conditions not limited to the liver, including: fatigue, abdominal pain, skin issues and other symptoms.

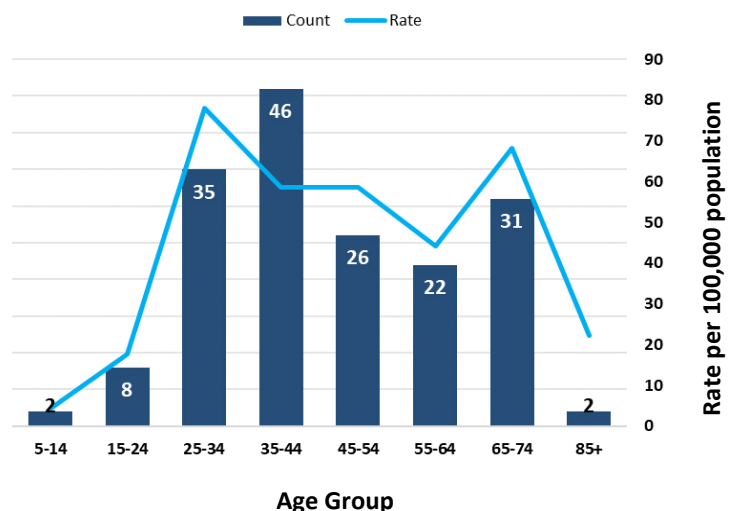
**Prevention:** There is no vaccine to prevent hepatitis C. The best way to prevent this infection is to avoid direct contact with other people’s blood. This may include:

- Avoid sharing needles, syringes, or other drug equipment
- Avoid engaging in sexual activity with a person who is infected with HCV
- Getting unregulated tattoos or body piercings.

Hepatitis C- Chronic Cases and Rates by Year in Stark County, 2019-2023



Hepatitis C- Chronic Cases and Rates by Age Group in Stark County, 2023



## Data and Contact Information

### Infectious Disease Data

- [Ohio Disease Reporting System \(ODRS\)](#)
  - Only confirmed and probable cases of reportable diseases were included in this report.
  - Data may fluctuate after the publication of this report due to late reporting, duplicate reporting, and/or updated case information. Data in this report is considered provisional.
  - Rates calculated in this report are per 100,000 persons. Rates were not calculated for reportable diseases with less than 5 cases due to instability.
- [Reportable Diseases per Ohio Administrative Code 3701-3-02](#)

### Population Data

- [United States Census Bureau](#)

#### Canton City Public Health

420 Market Ave North

Canton, OH 44702

[cantonhealth.org](http://cantonhealth.org)

Phone: (330) 489 – 3231

#### Massillon City Health Department

611 Erie St S

Massillon, OH 44646

[massillonohio.gov](http://massillonohio.gov)

Phone: (330) 830 - 1710

#### Stark County Health Department

7235 Whipple Ave NW

North Canton, OH 44720

[starkhealth.org](http://starkhealth.org)

Phone: (330) 493 - 9904

#### Alliance City Health Department

537 E Market St

Alliance, OH 44601

[www.cityofalliance.com/health](http://www.cityofalliance.com/health)

Phone: (330) 821 – 7373