



Monthly Communicable Disease Surveillance Report

May 2025

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**HAMILTON COUNTY
PUBLIC HEALTH**

PREVENT. PROMOTE. PROTECT.



NOTIFIABLE COMMUNICABLE DISEASES

Hamilton County Public Health (HCPH) Jurisdiction

Number of Communicable Diseases Reported: **73**
Most frequently reported communicable diseases:

- **Chronic Hepatitis C (n=20)**
 - **Campylobacteriosis (n=8)**
 - **Chronic Hepatitis B (n=5)**
- **Salmonellosis (n=5)**
 - **Invasive Streptococcal pneumoniae (n=5)**

Southwest Ohio (SWOH)

Number of Communicable Diseases Reported: **360**
Most frequently reported communicable diseases:

- **Chronic Hepatitis C (n=99)**
 - **Pertussis (n=37)**
 - **Chronic Hepatitis B (n=31)**
- **Campylobacteriosis (n=24)**
 - **Lyme Disease (n=24)**

Summary

In May, the overall rates of reported communicable diseases for HCPH, SWOH, and Ohio decreased by 13%, 19%, and 14%, respectively. The Ohio rate (21.4) was the highest of the three rates, followed by the SWOH rate (19.9) and the HCPH rate (14.8) (Table 1).

Chronic Hepatitis C was the most reported communicable disease across SWOH, with Chronic Hepatitis B the 3rd most reported, respectively (Table 2). Chronic Hepatitis B and C cases accounted for 36.1% of the total communicable diseases reported during May. The number of chronic hepatitis cases seen in Southwest Ohio during April was 8.8% lower than the 12-month average of 144 cases seen between May 2024 and April 2025. The number of chronic hepatitis cases reported in SWOH in May (131) was lower than the number of cases reported in the previous month (166). The rate of chronic hepatitis within Hamilton County for May was 7.2 per 100,000 residents. This rate was lower than the SWOH rate of 7.5 per 100,000 residents.

Pertussis was the 2nd most frequently reported disease in SWOH, accounting for 10.3% of the total during May. The number of Pertussis reported during May (37) was lower than the number of cases reported in the previous month (38). The rate of Pertussis within Hamilton County for May was 0.6 per 100,000 residents. This rate was lower than the SWOH rate of 2.1 per 100,000 residents.

Table 1. Comparison of the Reported Cases of Notifiable Communicable Diseases by Location, May 2025

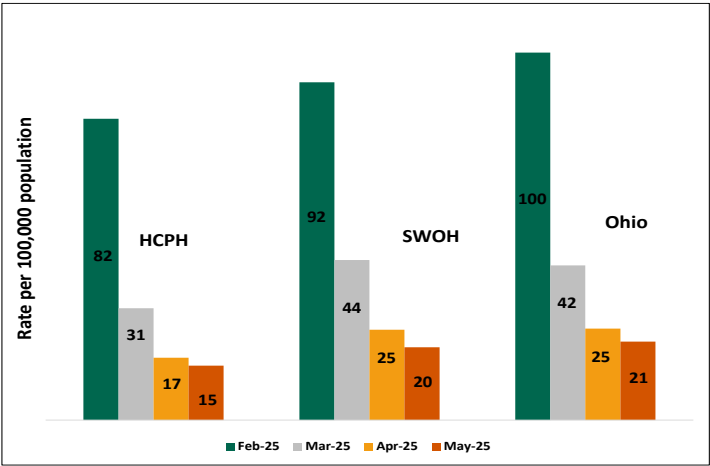
Location	Number of Reported Cases	Rate per 100,000	Rate Ratio†	Confidence Interval (99%)‡
HCPH	73	15.33	0.69	0.51 - 0.94
SW OHIO	360	20.52	0.93	0.80 - 1.07
OHIO	2,557	22.09	.	. - .

Campylobacteriosis cases within Hamilton County for April was 1.0 per 100,000 residents. This rate was lower than the SWOH rate of 1.4 per 100,000 residents.

NOTES: Data are provisional and are subject to change as data becomes finalized. Suspected, probable and confirmed cases are included in counts except for arboviral encephalitis and Zika virus diseases, of which only probable and confirmed cases are reported. Novel Influenza A cases are only confirmed cases. COVID-19, chlamydia, gonorrhea, HIV, and syphilis are not reported within this report. The completeness of reporting varies by region and can impact the incidences of reported diseases. This report reflects the time period of May 1- 29, 2025. Data was accessed from the Ohio Disease Reporting System on 05/29/2025.

†Ratio of local rate to the Ohio rate.
‡Confidence intervals that do not contain the value of one are considered statistically significant.

Figure 1. 30-Day Rates of Reported Communicable Diseases in Ohio, Southwest Ohio, and Hamilton County Public Health Jurisdiction, February 2025 - May 2025



Campylobacteriosis was the 4th most frequently reported disease in SWOH (Table 2). Campylobacteriosis cases accounted for 6.7% of the total communicable diseases reported during May. The number of Campylobacteriosis cases reported in May (24) was higher than the number of cases reported in the previous month (18). The rate of

Table 2. Cases of Notifiable Diseases in Southwest Ohio as Reported in ODRS by County, May 2025

Reportable Condition	County								Total
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren	
Babesiosis	1	.	.	.	.	.	.	.	1
C. auris	6	.	.	.	1	.	.	1	8
C. auris - Colonization Screening	7	.	1	.	1	.	1	1	11
CPO	6	.	.	.	1	.	1	.	8
CPO - Colonization Screening	1	.	.	1	.	.	.	.	2
Campylobacteriosis	8	1	.	10	4	.	1	.	24
Coccidioidomycosis	.	.	.	1	.	.	.	.	1
Cyclosporiasis	1	.	.	.	.	.	.	.	1
Ehrlichiosis/Anaplasmosis	1	1	.	.	.	.	.	.	2
Giardiasis	1	.	.	.	.	.	1	.	2
Haemophilus influenzae (invasive)	2	.	.	2	1	.	.	.	5
Hepatitis A	.	.	.	9	.	1	.	2	12
Hepatitis B (chronic)	9	.	1	12	2	2	.	5	31
Hepatitis C (acute)	2	.	.	.	.	.	.	.	2
Hepatitis C (chronic)	49	5	4	17	8	.	4	12	99
Hepatitis E	.	.	.	.	.	1	.	.	1
Influenza-associated hospitalization	8	.	1	.	.	.	.	1	10
Legionnaires' Disease	1	.	.	3	.	.	.	.	4
Listeriosis	1	.	.	.	.	.	.	.	1
Lyme Disease	3	1	4	3	9	.	2	2	24
Malaria	.	.	.	1	.	.	.	.	1
Measles	.	.	.	.	.	2	1	.	3
Meningitis (aseptic/viral)	1	.	.	1	.	.	1	.	3
Meningitis (bacterial, not N. meningitidis)	5	.	.	.	.	.	.	.	5
Mpox	1	.	.	.	.	.	.	.	1
Pertussis	5	.	1	14	10	.	.	7	37
Salmonellosis	9	1	1	2	5	.	.	3	21
Shigellosis	2	.	.	1	.	.	.	.	3
Spotted Fever Rickettsiosis (including Rocky Mountain spotted fever (RMSF))	.	.	.	.	.	1	.	1	2
Streptococcal pneumoniae (invasive)	8	.	.	4	.	.	.	.	12

Table 3. YTD Cases of Notifiable Diseases in Southwest Ohio as Reported in ODRS by County, May 2025

Reportable Condition	County								Total
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren	
Amebiasis	3	.	.	.	.	.	.	.	3
Babesiosis	1	.	.	.	.	.	.	.	1
Brucellosis	1	.	.	.	.	.	.	.	1
C. auris	26	1	.	6	3	.	.	5	41
C. auris - Colonization Screening	35	.	1	9	3	.	1	3	52
Campylobacteriosis	31	4	1	23	9	1	7	10	86
Coccidioidomycosis	4	.	.	1	1	.	.	3	9
CPO	11	3	2	10	6	3	2	5	42
CPO - Colonization Screening	2	.	.	3	4	.	.	.	9
Creutzfeldt-Jakob Disease	.	.	.	.	1	.	.	.	1
Cryptosporidiosis	5	.	.	2	.	.	.	1	8
Cyclosporiasis	2	.	.	.	.	.	.	.	2
Diphtheria	.	.	.	1	.	.	.	.	1
E.Coli (shiga toxin producing)	6	.	.	1	2	.	1	1	11
Ehrlichiosis/Anaplasmosis	3	1	.	1	1	.	.	1	7
Giardiasis	6	1	.	3	4	.	1	3	18
Haemophilus influenzae (invasive)	12	.	4	4	2	1	1	2	26
Hepatitis A	13	3	1	42	1	3	1	7	71
Hepatitis B (acute)	4	1	.	6	.	4	0	2	17
Hepatitis B (chronic)	99	3	2	50	7	5	5	29	200
Hepatitis C - Perinatal Infection	1	.	1	1	.	.	.	.	3
Hepatitis C (acute)	2	.	.	.	.	.	.	.	2
Hepatitis C (chronic)	288	13	15	113	40	16	15	55	555
Hepatitis E	.	.	.	.	.	1	.	.	1
Influenza-associated hospitalization	904	20	56	380	269	54	86	263	2032
Legionnaires' Disease	12	.	.	9	2	.	.	2	25
Listeriosis	1	.	.	0	.	.	2	1	4
Lyme Disease	8	5	5	6	14	1	4	5	48
Malaria	3	.	.	1	.	.	.	.	4
Measles	.	.	.	1	.	3	1	7	12

Table 3. YTD Cases of Notifiable Diseases in Southwest Ohio as Reported in ODRS by County, May 2025, Continued

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