



Monthly Communicable Disease Surveillance Report

March 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: **150**

Most frequently reported communicable diseases:

- Influenza-associated Hospitalization (n=79)
- Chronic Hepatitis C (n=25)
- Pertussis (n=11)
- Chronic Hepatitis B (n=8)
- Invasive Streptococcal Group A (n=4)

Southwest Ohio (SWOH)

Number of Communicable Diseases Reported: **791**

Most frequently reported communicable diseases:

- Influenza-associated Hospitalization (n=442)
- Chronic Hepatitis C (n=122)
- Chronic Hepatitis B (n=50)
- Pertussis (n=24)
- Invasive Streptococcal pneumoniae (n=22)

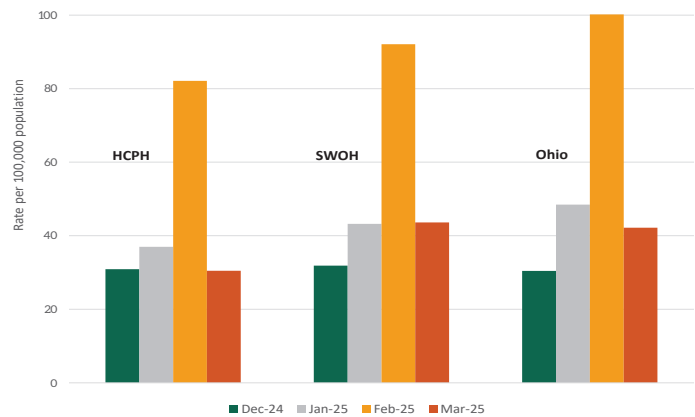
Summary

In March, the overall rates of reported communicable diseases for HCPH, SWOH, and Ohio decreased by 63%, 53%, and 58%, respectively. The SWOH rate (45.1) was the highest of the three rates, followed by the Ohio rate (43.6) and the HCPH rate (31.5) (Table 1).

Influenza-associated hospitalization was the most reported communicable disease across SWOH, with Chronic Hepatitis C and Chronic Hepatitis B the 2nd- and 3rd-most reported, respectively (Table 2). Chronic Hepatitis B and C cases accounted for 21.7% of the total communicable diseases reported during February. The number of chronic hepatitis cases seen in Southwest Ohio during March was 15.1% higher than the 12-month average of 145 cases seen between March 2024 and February 2025. The number of chronic hepatitis cases reported in SWOH in February (172) was lower than the number of cases reported in the previous month (140). The rate of chronic hepatitis within Hamilton County for January was 11.0 per 100,000 residents. This rate was higher than the SWOH rate of 9.9 per 100,000 residents.

Influenza-associated hospitalization was the most frequently reported disease in SWOH, accounting for 56% of the total communicable diseases reported during March. The number of influenza-associated hospitalizations reported during March (442) was lower than the

Figure 1. 30-Day Rates of Reported Communicable Diseases in Ohio, Southwest Ohio, and Hamilton County Public Health Jurisdiction, December 2024 - March 2025



number of cases reported in the previous month (1155); this is expected as flu season continues to wind down. The rate of influenza-associated hospitalizations within Hamilton County for February was 22.2 per 100,000 residents. This rate was lower than the SWOH rate of 25.4 per 100,000 residents.

Pertussis was the 4th most frequently reported disease in SWOH (Table 2). Pertussis cases accounted for 3% of the total communicable diseases reported during March. The number of Pertussis cases reported in March (24) was lower

than the number of cases reported in the previous month (38). The rate of Pertussis cases within Hamilton County for February was 1.7 per 100,000 residents. This rate was higher 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 March 1-31, 2025. Data was accessed from the Ohio Disease Reporting System on 04/03/2025.

†Ratio of local rate to the Ohio rate.

‡Confidence intervals that do not contain the value of one are considered statistically significant.

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

Reportable Condition	County										Total	
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren				
Amebiasis	1	.	.	.	.	.	.	.	.	.	.	1
Brucellosis	1	.	.	.	.	.	.	.	.	.	.	1
C. auris	3	.	.	1	.	.	.	.	2	.	.	6
C. auris - Colonization Screening	8	.	.	4	1	.	.	.	.	.	.	13
CPO	.	.	1	1	1	.	1	.	.	.	.	4
CPO - Colonization Screening	.	.	.	.	2	.	.	.	.	.	.	2
Campylobacteriosis	4	1	1	2	.	.	1	3	.	.	.	12
Coccidioidomycosis	1	.	.	.	.	.	.	.	.	.	.	1
Cryptosporidiosis	1	.	.	1	.	.	.	.	.	.	.	2
E.Coli (shiga toxin producing)	3	.	.	.	.	.	.	.	.	.	.	3
Ehrlichiosis/Anaplasmosis	.	.	.	.	1	.	.	.	.	.	.	1
Giardiasis	2	.	.	.	2	.	.	2	.	.	.	6
Haemophilus influenzae (invasive)	.	.	.	.	.	.	1	.	.	.	.	1
Hepatitis A	2	.	.	15	.	.	.	.	.	.	.	17
Hepatitis B (acute)	3	.	.	3	.	1	.	1	.	.	.	8
Hepatitis B (chronic)	27	3	.	11	2	.	1	6	.	.	.	50
Hepatitis C (chronic)	61	4	7	29	7	5	.	9	.	.	.	122
Hepatitis C - Perinatal Infection	1	.	.	.	.	.	.	.	.	.	.	1
Influenza-associated hospitalization	178	5	15	88	66	7	31	52	.	.	.	442
Legionnaires' Disease	3	.	.	.	.	.	.	1	1	.	.	4
Lyme Disease	1	.	.	.	1	.	.	1	.	.	.	3
Malaria	1	.	.	.	.	.	.	.	.	.	.	1
Measles	.	.	.	1	.	.	.	1	.	.	.	2
Meningitis (aseptic/viral)	2	.	.	2	.	1	.	.	.	.	.	5
Meningitis (bacterial, not N. meningitidis)	2	.	.	1	.	.	.	.	.	.	.	3
Meningococcal disease	1	.	.	.	.	.	.	.	.	.	.	1
Mumps	1	.	.	1	.	.	.	.	.	.	.	2
Pertussis	14	.	.	5	3	.	.	2	.	.	.	24
Q fever (acute)	1	.	.	.	.	.	.	.	.	.	.	1
Salmonellosis	.	.	.	.	.	.	.	2	.	.	.	2

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

Reportable Condition	County										Total	
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren				
Amebiasis	2	.	.	.	.	.	.	.	.	.	.	2
Brucellosis	1	.	.	.	.	.	.	.	.	.	.	1
C. auris	18	1	.	3	.	.	.	3	.	.	3	25
C. auris - Colonization Screening	20	.	.	6	1	.	.	2	.	.	2	29
CPO	16	3	1	8	4	1	1	10	.	.	10	44
CPO - Colonization Screening	3	.	.	.	.	.	.	3	.	.	3	6
Campylobacteriosis	4	2	2	8	5	1	3	3	.	.	3	28
Coccidioidomycosis	1	.	.	1	4	.	.	.	.	.	.	6
Creutzfeldt-Jakob Disease	.	.	.	.	1	.	.	.	.	.	.	1
Cryptosporidiosis	1	.	.	2	.	.	.	1	.	.	1	4
Cyclosporiasis	1	.	.	.	.	.	.	.	.	.	.	1
Dengue	.	.	.	1	.	.	.	.	.	.	.	1
E.Coli (shiga toxin producing)	3	.	.	.	.	1	.	.	.	.	.	4
Ehrlichiosis/Anaplasmosis	.	.	.	.	1	.	.	.	.	.	.	1
Giardiasis	3	1	.	.	3	.	.	2	.	.	2	9
Haemophilus influenzae (invasive)	8	.	4	2	1	1	1	2	.	.	2	19
Hepatitis A	6	1	1	25	.	.	.	4	.	.	4	37
Hepatitis B (acute)	4	.	.	5	.	.	1	2	.	.	2	12
Hepatitis B (chronic)	72	3	1	32	5	4	3	17	.	.	17	137
Hepatitis C (chronic)	175	6	10	69	22	6	13	31	.	.	31	332
Hepatitis C - Perinatal Infection	1	.	1	1	.	.	.	.	.	.	.	3
Influenza-associated hospitalization	874	20	53	371	260	84	54	260	.	.	260	1976
Legionnaires' Disease	8	.	.	6	2	.	.	2	.	.	2	18
Listeriosis	.	.	.	.	.	2	.	1	.	.	1	3
Lyme Disease	3	1	.	1	3	1	1	2	.	.	2	12
Malaria	2	.	.	.	.	.	.	.	.	.	.	2
Measles	.	.	.	1	.	.	1	3	.	.	3	5
Meningitis (aseptic/viral)	6	2	1	5	2	1	2	1	.	.	1	20
Meningitis (bacterial, not N. meningitidis)	4	.	.	3	1	.	.	.	.	.	.	8
Meningococcal disease	1	.	.	.	.	.	.	.	.	.	.	1

