



Monthly Communicable Disease Surveillance Report

April 2025

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NOTIFIABLE COMMUNICABLE DISEASES

Hamilton County Public Health (HCPH) Jurisdiction

Number of Communicable Diseases Reported: **81**

Most frequently reported communicable diseases:

- Chronic Hepatitis C (n=27)
- Influenza-associated Hospitalization (n=10)
- Pertussis (n=10)
- Chronic Hepatitis B (n=6)
- Invasive Streptococcal pneumoniae (n=3)

Southwest Ohio (SWOH)

Number of Communicable Diseases Reported: **432**

Most frequently reported communicable diseases:

- Chronic Hepatitis C (n=124)
- Influenza-associated Hospitalization (n=46)
- Pertussis (n=38)
- Chronic Hepatitis B (n=32)
- Hepatitis A (n=22)

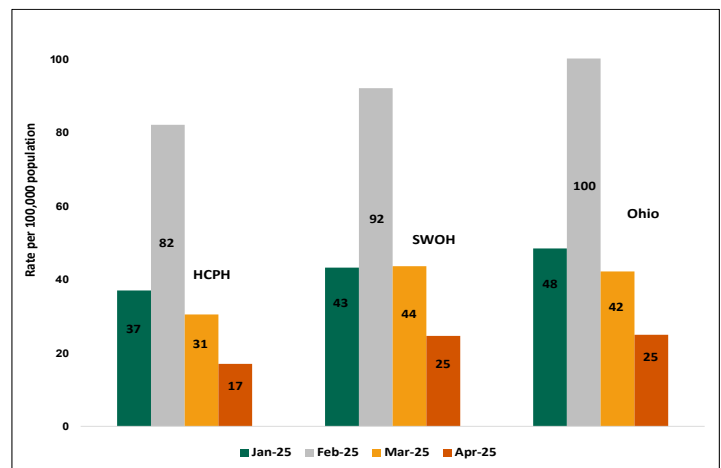
Summary

In April, the overall rates of reported communicable diseases for HCPH, SWOH, and Ohio decreased by 44%, 44%, and 41%, respectively. The Ohio rate (24.9) was the highest of the three rates, followed by the SWOH rate (24.6) and the HCPH rate (17.0) (Table 1).

Chronic Hepatitis C was the most reported communicable disease across SWOH, with Chronic Hepatitis B the 4th most reported, respectively (Table 2). Chronic Hepatitis B and C cases accounted for 36.1% of the total communicable diseases reported during April. The number of chronic hepatitis cases seen in Southwest Ohio during April was 5.5% higher than the 12-month average of 143 cases seen between April 2024 and March 2025. The number of chronic hepatitis cases reported in SWOH in April (156) was lower than the number of cases reported in the previous month (168). The rate of chronic hepatitis within Hamilton County for April was 10.7 per 100,000 residents. This rate was higher than the SWOH rate of 9.8 per 100,000 residents.

Influenza-associated hospitalization was the 2nd most frequently reported disease in SWOH, accounting for 11% of the total communicable diseases reported during April. The number of influenza-associated hospitalizations reported during April (46) was lower than the number of cases reported in the previous month (442); this is expected as flu season continues to wind down. The rate of

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



influenza-associated hospitalizations within Hamilton County for April was 2.7 per 100,000 residents. This rate was similar than the SWOH rate of 2.6 per 100,000 residents.

Pertussis was the 3rd most frequently reported disease in SWOH (Table 2). Pertussis cases accounted for 8.8% of the total communicable diseases reported during April. The number of Pertussis cases reported in April (38) was higher than the number of cases reported in the previous month (24). The rate of Pertussis cases within Hamilton

County for April was 1.5 per 100,000 residents. This rate was lower than the SWOH rate of 2.2 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 April 1-30, 2025. Data was accessed from the Ohio Disease Reporting System on 04/30/2025.

†Ratio of local rate to the Ohio rate.

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

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

Location	Number of Reported Cases	Rate per 100,000	Rate Ratio†	Confidence Interval (99%)‡
HCPH	81	17.01	0.68	0.51 - 0.91
SW OHIO	432	24.62	0.99	0.86 - 1.13
OHIO	2,887	24.94	.	. - .

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

Reportable Condition	County										Total	
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren				
Amebiasis	1	.	.	.	.	.	.	.	.	.	.	1
C. auris	2	.	.	3	2	.	.	.	1	.	.	8
C. auris - Colonization Screening	8	.	.	3	1	.	.	.	.	.	.	12
CPO	1	1	.	2	.	.	.	.	2	.	.	6
CPO - Colonization Screening	.	.	.	1	.	.	.	.	.	.	.	1
Campylobacteriosis	7	.	.	5	1	.	5	.	.	.	.	18
Coccidioidomycosis	1	.	.	.	1	.	.	.	.	.	.	2
Cryptosporidiosis	4	.	.	.	.	.	.	.	.	.	.	4
E.Coli (shiga toxin producing)	3	.	.	1	2	.	.	1	1	.	.	7
Ehrlichiosis/Anaplasmosis	2	.	.	1	.	.	.	1	1	.	.	4
Giardiasis	2	.	.	3	1	.	.	1	1	.	.	7
Haemophilus influenzae (invasive)	2	.	.	.	.	.	.	.	.	.	.	2
Hepatitis A	7	2	.	8	1	2	1	1	1	.	.	22
Hepatitis B (acute)	.	1	.	1	.	3	.	.	.	.	.	5
Hepatitis B (chronic)	18	.	.	6	.	.	1	7	7	.	.	32
Hepatitis C (chronic)	64	2	1	27	10	3	5	12	12	.	.	124
Influenza-associated hospitalization	22	.	2	9	9	.	2	2	2	.	.	46
Legionnaires' Disease	3	.	.	.	.	.	.	.	.	.	.	3
Lyme Disease	2	3	1	2	2	.	1	1	1	.	.	12
Malaria	1	.	.	.	.	.	.	.	.	.	.	1
Measles	.	.	.	.	.	.	.	4	4	.	.	4
Meningitis (aseptic/viral)	.	1	.	2	.	.	1	2	2	.	.	6
Meningitis (bacterial, not N. meningitidis)	3	.	.	.	1	.	.	.	.	.	.	4
Meningococcal disease	1	.	.	.	.	.	.	.	.	.	.	1
Mumps	1	.	.	.	.	.	.	.	.	.	.	1
Pertussis	12	.	.	15	3	.	.	8	8	.	.	38
Salmonellosis	5	.	1	1	2	.	.	.	.	.	.	9
Shigellosis	.	1	.	1	.	.	.	.	.	.	.	2
Spotted Fever Rickettsiosis (including Rocky Mountain spotted fever (RMSF))	1	.	.	1	1	.	.	.	.	.	.	3
Streptococcal pneumoniae (invasive)	10	1	2	4	1	1	.	3	3	.	.	22

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

Reportable Condition	County										Total
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren			
Streptococcal, Group A (invasive)	5	.	.	5	2	.	.	1			13
Varicella	5	.	.	.	.	1	.	2			8
Vibriosis	2	.	.	1	.	.	.	.			3
Yersiniosis	.	.	.	.	.	.	.	1			1
Total	195	12	7	102	40	10	16	50			432

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

Reportable Condition	County										Total	
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren				
Amebiasis	3	.	.	.	.	.	.	.	.	.	.	3
Brucellosis	1	.	.	.	.	.	.	.	.	.	.	1
C. auris	20	1	.	6	2	.	.	4	.	.	.	33
C. auris - Colonization Screening	28	.	.	9	2	.	.	2	.	.	.	41
Campylobacteriosis	23	3	1	13	5	1	6	10	.	.	.	62
Coccidioidomycosis	4	.	.	.	1	.	.	3	.	.	.	8
CPO	5	3	2	10	5	3	1	5	.	.	.	34
CPO - Colonization Screening	1	.	.	2	4	.	.	.	.	.	.	7
Creutzfeldt-Jakob Disease	.	.	.	.	1	.	.	.	.	.	.	1
Cryptosporidiosis	5	.	.	2	.	.	.	1	.	.	.	8
Cyclosporiasis	1	.	.	.	.	.	.	.	.	.	.	1
Diphtheria	.	.	.	1	.	.	.	.	.	.	.	1
E.Coli (shiga toxin producing)	6	.	.	1	2	.	1	1	.	.	.	11
Ehrlichiosis/Anaplasmosis	2	.	.	1	1	.	.	1	.	.	.	5
Giardiasis	5	1	.	3	4	.	.	3	.	.	.	16
Haemophilus influenzae (invasive)	10	.	4	2	1	1	1	2	.	.	.	21
Hepatitis A	13	3	1	33	1	2	1	5	.	.	.	59
Hepatitis B (acute)	4	1	.	6	.	4	.	2	.	.	.	17
Hepatitis B (chronic)	90	3	1	38	5	3	5	24	.	.	.	169
Hepatitis C - Perinatal Infection	1	.	1	1	.	.	.	.	.	.	.	3
Hepatitis C (chronic)	239	8	11	96	32	16	11	43	.	.	.	456
Influenza-associated hospitalization	896	20	55	380	269	54	86	262	.	.	.	2022
Legionnaires' Disease	11	.	.	6	2	.	.	2	.	.	.	21
Listeriosis	.	.	.	.	.	.	2	1	.	.	.	3
Lyme Disease	5	4	1	3	5	1	2	3	.	.	.	24
Malaria	3	.	.	.	.	.	.	.	.	.	.	3
Measles	.	.	.	1	.	1	.	7	.	.	.	9
Meningitis (aseptic/viral)	6	3	1	7	2	2	2	3	.	.	.	26
Meningitis (bacterial, not N. meningitidis)	7	.	.	3	2	.	.	.	.	.	.	12
Meningococcal disease	2	.	.	.	.	.	.	.	.	.	.	2

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

Reportable Condition	County										Total
	Hamilton	Adams	Brown	Butler	Clermont	Clinton	Highland	Warren			
Mumps	4	.	.	1	1	.	.	.	.	.	6
Pertussis	68	.	1	46	15	1	.	.	33	.	164
Q fever (acute)	1	.	.	.	.	.	.	.	.	.	1
Salmonellosis	12	.	1	7	5	2	1	1	5	.	33
Shigellosis	6	1	.	6	.	.	.	.	.	.	13
Spotted Fever Rickettsiosis (including Rocky Mountain spotted fever (RMSF))	1	.	1	2	1	.	.	.	.	.	5
Streptococcal pneumoniae (invasive)	39	2	4	22	21	3	2	2	13	.	106
Streptococcal, Group A (invasive)	29	.	2	15	8	1	3	3	5	.	63
Streptococcal, Group B (in newborn)	.	1	.	1	0	.	.	.	.	.	2
Varicella	11	.	.	1	2	2	2	2	6	.	24
Vibriosis	7	.	.	1	.	.	1	1	.	.	9
Yersiniosis	5	.	1	1	1	.	.	.	2	.	10
Total	1574	54	88	727	400	97	127	448	3515		