



Wayne County Department of Health, Human & Veterans Services Select Communicable Disease Quarterly Report Quarter 4 2025

Purpose: This report summarizes surveillance data for select reportable communicable diseases in Out-Wayne County (Wayne County excluding the city of Detroit) for the fourth quarter of 2025 (October 1st through December 31st). The report highlights key trends, seasonal patterns, and emerging public health concerns across multiple disease categories.

Acronym Glossary: YTD = Year to Date (Jan 1st-Dec. 31st); VPD = Vaccine Preventable Disease; STI = Sexually Transmitted Infection

Summary

Respiratory Viruses

- **Influenza** experienced the highest increase (4,327.8%) amongst all respiratory illnesses between quarters (108 in Q3 2025 vs 4,782 in Q4 2025). While the overall increase of respiratory illnesses in Q4 align with seasonal trends, year-to-date (YTD) estimates between 2024 (7,463) and 2025 (14,025) show a substantial increase in cases by 87.9%, primarily driven by the reported cases in Q4. This trend indicates a more severe season, driven largely by a new flu strain-Influenza A (H3N2) subclade K.
- **RSV** *increased* by 2,050.0% from Q3 to Q4 2025 (6 to 129), reflecting the start of respiratory season. The 2025 YTD total (815) was 54.1% *higher* than 2024 YTD (529).
- **COVID-19** quarterly activity *increased* by 29.5% from Q3 (2,328) to Q4 2025 (3,015) but overall *decreased* by 46.9% from 2024 YTD (23,333) to 2025 YTD (12,401).

Foodborne Illnesses

- Foodborne diseases overall *decreased* by 23.7% from Q3 to Q4 2025 (131 to 100) and were 13.0% *lower* when comparing Q4 2025 (100) to Q4 2024 (115). YTD estimates between 2024 (479) and 2025 (485) remained relatively stable.
- **Norovirus** cases increased in Q4 2025 after not having any in Q3 2025, consistent with winter seasonality. Overall, the 2025 YTD total (58) was 56.8% *higher* than 2024 YTD (37).

Sexually Transmitted Infections (STIs)

- STIs overall *decreased* by 10.3% from Q3 to Q4 2025 (1,280 to 1,148) and by 8.6% from 2024 to 2025 YTD. Similar quarterly trends were observed for both **Gonorrhea** and **Chlamydia**. However, YTD comparisons showed a 21.9% *decline* in Gonorrhea cases in 2025 while Chlamydia cases experienced a *marginal decline* of 3.9% from 2024 to 2025.
- Syphilis trends varied, with **Congenital syphilis** *increasing* by 11.1% from 2024 YTD to 2025 YTD, while **Secondary syphilis** *declined* by over 25% both quarterly and YTD in Q4 2025.

Other Highlights:

- Vector-borne diseases overall *decreased* by 77.4% when comparing Q3 2025 (31) to Q4 2025 (7), reflecting typical seasonality patterns. The 2025 YTD total (48) was 84.6% *higher* than 2024 YTD (26), driven primarily by **Lyme disease** which *increased* by 111.8% when comparing YTD 2024 (17) to YTD 2025 (36).
- **Chickenpox (Varicella)** *increased* from Q3 to Q4 2025 and *increased* YTD 2024 (10) to YTD 2025 (18) 80.0%.
- **Hepatitis** cases overall *increased* by over 10% from Q3 to Q4 2025 but were over 10% *lower* when comparing Q4 2024 to Q4 2025. The 2025 YTD total was over 20% *lower* than 2024 YTD.
- **Active tuberculosis** remained low and *decreased* by over 20% from Q3 to Q4 2025 but was 17.6% *higher* YTD in 2025 compared to 2024 (20 vs 17).
- **Pertussis** *decreased* by over 50% from Q3 to Q4 2025 (16 to <6) and was over 90% *lower* when comparing Q4 2024 (71) to Q4 2025 (<6). The 2025 YTD total (71) was 36.0% *lower* than 2024 YTD (111).
- **Legionellosis** *decreased* by over 50% from Q3 to Q4 2025 and was 21.2% *lower* 2025 YTD (52) than 2024 YTD (66).

Table 1. Quarterly and Year-To-Date Cumulative Case Counts of Select Diseases in Out-Wayne County by and through the latest quarter.

Disease Group	Disease	Q4 2024	Q1 2025	Q2 2025	Q3 2025	Q4 2025	YTD 2024	YTD 2025
COVID19	Novel Coronavirus COVID-19	4,395	5,761	1,297	2,328	3,015	23,333	12,401
Foodborne	Amebiasis	0	0	0	*	*	*	*
Foodborne	Campylobacter	45	35	56	57	45	181	193
Foodborne	Cryptosporidiosis	6	*	*	8	*	27	15
Foodborne	Giardiasis	9	15	6	6	8	50	35
Foodborne	Listeriosis	*	*	*	*	*	*	*
Foodborne	Norovirus	12	53	*	0	*	37	58
Foodborne	Salmonellosis	25	19	24	33	19	94	95
Foodborne	Shiga toxin-producing E. coli	6	8	8	9	6	27	31
Foodborne	Shigellosis	6	7	6	13	10	39	36
Foodborne	Typhoid Fever	*	*	*	0	*	*	*
Foodborne	Yersinia enteritis	*	*	*	*	*	18	13
Influenza	Influenza	1,212	8,550	585	108	4,782	7,463	14,025
Influenza	Respiratory Syncytial Virus	390	615	65	6	129	529	815
Meningitis	Meningitis - Aseptic	7	*	*	9	8	24	23
Meningitis	Meningitis - Bacterial Other	*	*	7	*	*	11	14
Meningitis	Streptococcus pneumoniae, Inv ⁺	23	35	14	10	12	78	71
Other	CPO ⁺	13	21	11	22	11	44	65
Other	Candida auris	33	23	33	52	51	160	159
Other	Coccidioidomycosis	*	0	0	*	0	*	*
Other	Creutzfeldt-Jakob Disease	0	0	*	*	0	*	*
Other	Cryptococcosis	*	0	*	*	*	*	7
Other	Cyclosporiasis	0	0	*	12	*	*	14
Other	Encephalitis, Post Chickenpox	0	*	*	*	*	*	*
Other	Encephalitis, Post Other	0	*	*	*	0	*	*
Other	Encephalitis, Primary	*	0	0	0	0	*	0
Other	Guillain-Barre Syndrome	*	0	*	*	*	7	*
Other	Histoplasmosis	*	*	*	0	*	16	8
Other	Kawasaki	*	*	*	*	*	6	9
Other	Legionellosis	9	*	13	25	*	66	52
Other	Mpox	0	0	*	*	0	*	*
Other	Staphylococcus Aureus Infect. ⁺	*	*	*	0	*	*	*
Other	Streptococcal Dis, Inv, Grp A ⁺	21	27	17	15	20	101	79
Other	Streptococcal Toxic Shock	0	0	0	*	*	*	*
Other	Streptococcus pneumoniae, Drug Resistant	0	*	*	7	*	11	15
Other	Toxic Shock	0	0	0	*	*	*	*
Other	VISA ⁺	0	*	*	*	*	0	*
Other	Vibriosis - Non Cholera	0	0	0	*	*	*	*
Rabies	Rabies Animal	0	*	*	*	*	*	*
Rabies	Rabies: Potential Exposure & PEP	64	66	105	160	100	253	431
STI	Chlamydia (Genital)	844	742	886	942	840	3,549	3,410
STI	Gonorrhea	323	252	220	271	240	1,259	983

Disease Group	Disease	Q4 2024	Q1 2025	Q2 2025	Q3 2025	Q4 2025	YTD 2024	YTD 2025
STI	Syphilis - Congenital	*	*	0	*	*	9	10
STI	Syphilis - Early Latent	16	23	19	19	12	81	73
STI	Syphilis - Primary	*	*	*	*	6	15	16
STI	Syphilis - Secondary	10	11	11	*	*	44	32
STI	Syphilis - To Be Determined	0	0	0	*	*	0	*
STI	Syphilis - Unknown Duration or Late	31	31	27	35	41	145	134
Tuberculosis	Latent Tuberculosis Infection	6	*	*	0	*	11	8
Tuberculosis	Nontuberculous Mycobacterium	35	28	44	38	38	119	148
Tuberculosis	Tuberculosis	*	*	8	*	*	17	20
VPD	Chickenpox (Varicella)	*	*	*	*	8	10	18
VPD	H. influenzae Disease - Inv. ⁺	11	9	7	*	*	34	24
VPD	Mumps	0	*	*	*	*	*	*
VPD	Pertussis	71	42	*	16	*	111	71
VPD	Shingles	17	76	80	87	77	216	320
VPD	VZ Infection, Unspecified ⁺	0	*	*	*	7	24	19
VPD	Measles	0	0	0	0	0	*	0
Vector borne	Anaplasmosis	0	*	0	*	0	*	*
Vector borne	Babesiosis	*	0	0	0	0	*	0
Vector borne	Dengue Fever	*	*	0	*	*	*	*
Vector borne	Lyme Disease	*	*	8	24	*	17	36
Vector borne	West Nile Virus	0	0	0	*	*	*	7
Vector borne	Anaplasmosis	0	*	0	*	0	*	*
Hepatitis	Hepatitis A	0	*	0	*	0	*	*
Hepatitis	Hepatitis B Chronic/Acute	49	40	30	32	32	159	134
Hepatitis	Hepatitis C Chronic/Acute	70	55	46	54	69	306	224
Hepatitis	Hepatitis D	0	*	*	*	*	0	*

⁺ : *Streptococcus pneumoniae* Inv. = *Streptococcus pneumoniae*, sterile sites; CPO = Carbapenemase-Producing Organisms; *Staphylococcus aureus* Infect. = *Staphylococcus aureus* infection, sterile site; Streptococcal disease Inv. Grp A = *Streptococcus pyogenes*, group A, sterile sites; VISA = *Staphylococcus aureus*, vancomycin intermediate; *H. influenzae* disease inv. = *Haemophilus influenzae*, sterile sites; VZ Infection, Unspecified = Varicella zoster infection, not specified whether Chickenpox or Shingles

Notes and disclaimers

1. **Source:** Michigan Disease Surveillance System (MDSS). Retrieved on 01/22/2026.
2. Surveillance data is transient and occurs 24/7. All data is considered preliminary and is subject to change. Conditions with 0 cases for each of the previous five quarters are excluded from the table above.
3. Counts include confirmed and probable cases. **Bolded** numbers indicate a $\geq 50\%$ increase in case counts. An asterisk (*) marks cells where data suppression is applied. **Suppression Policy:** Table cells with case counts less than 6 are suppressed, and additional cells may be suppressed to prevent back calculation and protect confidentiality.
4. Comparisons used in the analysis
 - a. Quarter over quarter (Q3 2025 vs Q4 2025)
 - b. Year to date (YTD: Q1-Q4 2025 vs Q1-Q4 2024)