



## Wayne County Department of Health, Human & Veterans Services

### Select Communicable Disease Quarterly Report

#### January-March (Q1) 2025

This report summarizes surveillance data for select reportable communicable diseases in Wayne County (excluding Detroit) for the first quarter of 2025 (January–March). It highlights key trends, seasonal patterns, and emerging public health concerns across multiple disease categories.

#### Overall Disease Burden

##### Respiratory Viruses

- **COVID-19** decreased in **Q1 2025** with a total of **5,761** cases compared to the same time last year (**Q1 2024**) with **9,770** cases.
- **Influenza** cases peaked in **Q1 2025** to **8,550 cases**, up from **5,089** in **Q1 2024**, following typical winter seasonality.
- **RSV** infections also increased sharply in **Q1 2025**, reaching **614** cases, compared to **390** cases in **Q4 2024**.

**Foodborne Illnesses:** While foodborne diseases remain relatively low in absolute numbers, several showed notable increases:

- **Norovirus** significantly increased in **Q1 2025** with **53 cases**, more than 3 times as many cases compared to **Q1 2024**.
- **Cryptosporidiosis** had a lower-case count than any of the four quarters in **2024** while **Giardiasis** had **15 cases** in **Q1 2025** which is slightly higher than the average quarter in **2024**, but less than the count in **Q1 2024 (19 cases)**.

##### Sexually Transmitted Infections (STIs)

- **Chlamydia** continues to be the most reported STI with **740 cases** in **Q1 2025**, however **Q1 2025** had a lower-case count than any of the previous four quarters in **2024**.

- **Gonorrhea** with **252 cases** in **Q1 2025** had a lower-case count than each quarter of **2024**.
- **Syphilis** (including **primary**, **secondary**, and **congenital** forms) maintained steady incidence, however there was an uptick in **congenital syphilis** cases compared to **2024** with **Q1** having nearly half as many cases as the entire **2024** calendar year.

#### Other:

- **Candida auris**, an emerging multidrug-resistant fungus, showed consistently high levels throughout **2024** (**160 cases** total), but declined to **23 cases** in **Q1 2025**.
- **CPO (Carbapenemase-Producing Organisms)** also rose to **20 cases** in **Q1 2025**, compared to **7 cases** this time last year.

#### Vaccine-Preventable

- A notable increase of **Pertussis (Whooping Cough)** was observed, peaking at **71 cases** in **Q4 2024** and **42 cases** in **Q1 2025**.
- **Shingles (Herpes Zoster)** remained consistently high, with **58 cases** in **Q1 2024** and **76** in **Q1 2025**.

#### Hepatitis and Tuberculosis

- **Hepatitis B and C** remain stable, with **Hepatitis C** reaching **86 cases** and **Hepatitis B** reaching **54 cases** in **Q1 2025**.
- **Latent and active Tuberculosis** rates remained low and stable, though screening remains essential, particularly for at-risk populations.

**Table 1.** Quarterly and Cumulative Case Counts by Disease Group of Select Diseases in Wayne County Excluding Detroit by and through the latest quarter.

Data suppression standards were used for any cell counts that were 5 or fewer cases to protect the identities of our cases. These are denoted as Suppressed or Supp. in the tables below.

**Disclaimer:** Bolded numbers indicate a **50% to 99% increase**, while **bolded numbers with an asterisk (\*)** indicate a **100% or greater increase**. Comparisons are based on two reference points:

- **Quarter-over-quarter** change (Q4 2024 vs. Q1 2025)
- **Year-to-date comparisons** (Q1 2025 vs. Q1 2024)

| Disease Group                        | Q1 2024:<br>(1/1-03/31) | Q2 2024:<br>(04/01-06/30) | Q3 2024:<br>_07/01-09/30) | Q4 2024:<br>(10/01-12/31) | Q1 2025:<br>(01/01-03/31) | Year to<br>Date 2024<br>(Q1) | Year to<br>Date 2025<br>(Q1) |
|--------------------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|------------------------------|
| <b>COVID-19</b>                      | 9,770                   | 2,052                     | 7,117                     | 4,395                     | 5,761                     | 9,770                        | 5,761                        |
| <b>Foodborne</b>                     | 105                     | 98                        | 161                       | 115                       | 144                       | 105                          | 144                          |
| <b>Influenza</b>                     | 5,225                   | 1,040                     | 125                       | 1,602                     | <b>9,164*</b>             | 5,225                        | <b>9,164</b>                 |
| <b>Meningitis</b>                    | 40                      | Suppressed                | 24                        | 31                        | 38                        | 40                           | 38                           |
| <b>Other</b>                         | 120                     | 122                       | 109                       | 89                        | 83                        | 120                          | 83                           |
| <b>Rabies</b>                        | 72                      | 57                        | 62                        | 64                        | 66                        | 72                           | 66                           |
| <b>Sexually Transmitted Diseases</b> | 1,217                   | 1,177                     | 1,280                     | 1,185                     | 1,010                     | 1,217                        | 1,010                        |
| <b>Tuberculosis</b>                  | Suppressed              | 34                        | 37                        | 46                        | Suppressed                | Suppressed                   | Suppressed                   |
| <b>Vaccine Preventable Diseases</b>  | 85                      | 81                        | 129                       | 103                       | 134                       | 85                           | <b>134</b>                   |
| <b>Vectorborne</b>                   | Suppressed              | Suppressed                | 16                        | 7                         | Suppressed                | Suppressed                   | Suppressed                   |
| <b>Viral Hepatitis</b>               | 110                     | 123                       | 123                       | 121                       | 142                       | 110                          | 142                          |
| <b>TOTAL</b>                         | <b>16,778</b>           | <b>4,808</b>              | <b>9,183</b>              | <b>7,758</b>              | <b>16,579</b>             | <b>16,778</b>                | <b>16,579</b>                |

**Table 2.** Quarterly and Cumulative Case of Select Diseases in Wayne County Excluding Detroit by and through the latest quarter.

| Disease Group    | Disease                                          | Q1 2024:<br>(1/1-03/31) | Q2 2024:<br>(04/01-06/30) | Q3 2024:<br>(07/01-09/30) | Q4 2024:<br>(10/01-12/31) | Q1 2025:<br>(1/1-3/31) | Year to<br>Date 2024<br>(Q1) | Year to<br>Date 2025<br>(Q1) |
|------------------|--------------------------------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------------|------------------------------|
| <b>COVID-19</b>  | COVID-19                                         | 9,770                   | 2,052                     | 7,117                     | 4,395                     | 5,761                  | 9,770                        | 5,761                        |
| <b>Foodborne</b> | Amebiasis                                        | 0                       | Supp.                     | 0                         | 0                         | 0                      | 0                            | 0                            |
|                  | Campylobacter                                    | 34                      | 40                        | 62                        | 45                        | 35                     | 34                           | 35                           |
|                  | Cryptosporidiosis                                | Supp.                   | Supp.                     | 14                        | 6                         | Supp.                  | Supp.                        | Supp.                        |
|                  | Giardiasis                                       | 19                      | 6                         | 16                        | 9                         | <b>15</b>              | 19                           | 15                           |
|                  | Listeriosis                                      | Supp.                   | 0                         | 0                         | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
|                  | Norovirus                                        | 17                      | 6                         | Supp.                     | 12                        | <b>53*</b>             | 17                           | <b>53*</b>                   |
|                  | Salmonellosis                                    | 11                      | 26                        | 32                        | 25                        | 19                     | 11                           | <b>19</b>                    |
|                  | Shiga toxin-producing Escherichia coli -- (STEC) | Supp.                   | 6                         | 12                        | 6                         | 8                      | Supp.                        | <b>8*</b>                    |

| Disease Group     | Disease                                        | Q1 2024:<br>(1/1-03/31) | Q2 2024:<br>(04/01-06/30) | Q3 2024:<br>(07/01-09/30) | Q4 2024:<br>(10/01-12/31) | Q1 2025:<br>(1/1-3/31) | Year to<br>Date 2024<br>(Q1) | Year to<br>Date 2025<br>(Q1) |
|-------------------|------------------------------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------------|------------------------------|
| <b>Foodborne</b>  | Shigellosis                                    | 10                      | 6                         | 17                        | 6                         | 7                      | 10                           | 7                            |
|                   | Typhoid Fever                                  | Supp.                   | 0                         | Supp.                     | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
|                   | Yersinia enteritis                             | Supp.                   | Supp.                     | Supp.                     | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
| <b>Influenza</b>  | Influenza                                      | 5,089                   | 1,037                     | 125                       | 1,212                     | 8,550*                 | 5,089                        | 8,550                        |
|                   | RSV                                            | 136                     | Supp.                     | 0                         | 390                       | 614                    | 136                          | 614*                         |
| <b>Meningitis</b> | Meningitis - Aseptic                           | Supp.                   | Supp.                     | 7                         | 7                         | Supp.                  | Supp.                        | Supp.                        |
|                   | Meningitis - Bacterial<br>Other                | Supp.                   | Supp.                     | Supp.                     | Supp.                     | Supp.*                 | Supp.                        | Supp.                        |
|                   | Meningococcal<br>Disease                       | Supp.                   | 0                         | Supp.                     | 0                         | 0                      | Supp.                        | 0                            |
|                   | Streptococcus<br>pneumoniae, Inv               | 29                      | 14                        | 12                        | 23                        | 35                     | 29                           | 35                           |
| <b>Other</b>      | CPO                                            | 7                       | 14                        | 10                        | 13                        | 20                     | 7                            | 20*                          |
|                   | Candida auris                                  | 44                      | 50                        | 33                        | 33                        | 23                     | 44                           | 23                           |
|                   | Coccidioidomycosis                             | 0                       | 0                         | 0                         | Supp.                     | 0                      | 0                            | 0                            |
|                   | Creutzfeldt-Jakob<br>Disease                   | 0                       | Supp.                     | Supp.                     | 0                         | 0                      | 0                            | 0                            |
|                   | Cryptococcosis                                 | Supp.                   | 0                         | 0                         | Supp.                     | 0                      | Supp.                        | 0                            |
|                   | Cyclosporiasis                                 | 0                       | 0                         | Supp.                     | 0                         | 0                      | 0                            | 0                            |
|                   | Encephalitis, Post<br>Chickenpox               | 0                       | Supp.                     | 0                         | 0                         | 0                      | 0                            | 0                            |
|                   | Encephalitis, Post<br>Other                    | Supp.                   | 0                         | Supp.                     | 0                         | Supp.                  | Supp.                        | Supp.                        |
|                   | Encephalitis, Primary                          | 0                       | 0                         | 0                         | Supp.                     | 0                      | 0                            | 0                            |
|                   | Guillain-Barre<br>Syndrome                     | Supp.                   | Supp.                     | Supp.                     | Supp.                     | 0                      | Supp.                        | 0                            |
|                   | Histoplasmosis                                 | 8                       | Supp.                     | Supp.                     | Supp.                     | Supp.                  | 8                            | Supp.                        |
|                   | Kawasaki                                       | Supp.                   | 0                         | Supp.                     | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
|                   | Legionellosis                                  | Supp.                   | 17                        | 35                        | 9                         | Supp.                  | Supp.                        | Supp.                        |
|                   | Mpox                                           | 0                       | 0                         | Supp.                     | 0                         | 0                      | 0                            | 0                            |
|                   | Rheumatic Fever                                | 0                       | 0                         | Supp.                     | 0                         | 0                      | 0                            | 0                            |
|                   | Staphylococcus Aureus<br>Infect.*              | Supp.                   | 0                         | 0                         | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
|                   | Streptococcal Dis, Inv,<br>Grp A               | 38                      | 29                        | 13                        | 21                        | 27                     | 38                           | 27                           |
|                   | Streptococcal Toxic<br>Shock                   | 0                       | Supp.                     | Supp.                     | 0                         | 0                      | 0                            | 0                            |
|                   | Streptococcus<br>pneumoniae, Drug<br>Resistant | 7                       | Supp.                     | Supp.                     | 0                         | Supp.                  | 7                            | Supp.                        |

| Disease Group                          | Disease                          | Q1 2024:<br>(1/1-03/31) | Q2 2024:<br>(04/01-06/30) | Q3 2024:<br>(07/01-09/30) | Q4 2024:<br>(10/01-12/31) | Q1 2025:<br>(1/1-3/31) | Year to<br>Date 2024<br>(Q1) | Year to<br>Date 2025<br>(Q1) |
|----------------------------------------|----------------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------------|------------------------------|
| <b>Other</b>                           | Toxic Shock                      | 0                       | Supp.                     | 0                         | 0                         | 0                      | 0                            | 0                            |
|                                        | Vibriosis - Non Cholera          | Supp.                   | Supp.                     | Supp.                     | 0                         | 0                      | Supp.                        | 0                            |
| <b>Rabies</b>                          | Rabies Animal                    | 0                       | Supp.                     | 0                         | 0                         | 0                      | 0                            | 0                            |
|                                        | Rabies: Potential Exposure & PEP | 72                      | 55                        | 62                        | 64                        | 66                     | 72                           | 66                           |
| <b>Sexually Transmitted Infections</b> | Chlamydia (Genital)              | 883                     | 883                       | 920                       | 845                       | 740                    | 883                          | 740                          |
|                                        | Gonorrhea                        | 324                     | 275                       | 337                       | 324                       | 252                    | 324                          | 252                          |
|                                        | Syphilis- Congenital             | Supp.                   | Supp.                     | Supp.                     | Supp.                     | <b>Supp.*</b>          | Supp.                        | Supp.                        |
|                                        | Syphilis-Primary                 | Supp.                   | Supp.                     | Supp.                     | Supp.                     | Supp.                  | Supp.                        | <b>Supp.*</b>                |
|                                        | Syphilis-Secondary               | 6                       | 13                        | 15                        | 10                        | 11                     | 6                            | <b>11*</b>                   |
| <b>Tuberculosis</b>                    | Latent Tuberculosis Infection    | Supp.                   | Supp.                     | 0                         | 6                         | Supp.                  | Supp.                        | Supp.                        |
|                                        | Nontuberculous Mycobacterium     | 21                      | 31                        | 32                        | 35                        | 28                     | 21                           | 28                           |
|                                        | Tuberculosis                     | Supp.                   | Supp.                     | Supp.                     | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
| <b>Vaccine Preventable Diseases</b>    | Chickenpox (Varicella)           | 0                       | Supp.                     | Supp.                     | Supp.                     | Supp.                  | 0                            | <b>Supp.*</b>                |
|                                        | H. Influenzae Disease            | 12                      | 7                         | Supp.                     | 11                        | 9                      | 12                           | 9                            |
|                                        | Measles                          | Supp.                   | 0                         | Supp.                     | 0                         | 0                      | Supp.                        | 0                            |
|                                        | Mumps                            | Supp.                   | 0                         | 0                         | 0                         | <b>Supp.*</b>          | Supp.                        | Supp.                        |
|                                        | Pertussis                        | 8                       | Supp.                     | 27                        | 71                        | 42                     | 8                            | <b>42*</b>                   |
|                                        | Shingles                         | 58                      | 59                        | 82                        | 17                        | <b>76*</b>             | 58                           | 76                           |
|                                        | VZ Infection, Unspecified        | Supp.                   | 6                         | 13                        | 0                         | <b>Supp.*</b>          | Supp.                        | Supp.                        |
| <b>Vector-borne</b>                    | Dengue Fever                     | Supp.                   | 0                         | Supp.                     | Supp.                     | Supp.                  | Supp.                        | Supp.                        |
|                                        | Lyme Disease                     | 0                       | Supp.                     | 10                        | Supp.                     | 0                      | 0                            | 0                            |
|                                        | Malaria                          | Supp.                   | Supp.                     | Supp.                     | 0                         | 0                      | Supp.                        | 0                            |
|                                        | West Nile Virus                  | 0                       | 0                         | Supp.                     | 0                         | 0                      | 0                            | 0                            |
| <b>Viral Hepatitis</b>                 | Hepatitis A                      | 0                       | Supp.                     | 0                         | 0                         | <b>Supp.*</b>          | 0                            | <b>Supp.*</b>                |
|                                        | Hepatitis B, (Acute and Chronic) | 28                      | 41                        | 42                        | 50                        | 54                     | 28                           | <b>54</b>                    |
|                                        | Hepatitis C (Acute and Chronic)  | 82                      | 81                        | 81                        | 71                        | 86                     | 82                           | 86                           |