



# Vector-Borne Disease

## 2026 Surveillance Report

Summit County Public Health

Report #1



### Report Weeks 1 and 2 (May 17 to May 30, 2026)

This report will be issued from June through October of each year (or later if West Nile Virus disease is still a concern). Surveillance will include human and veterinary cases and testing of mosquito pools in Summit County. It will also include updates from Ohio and around the nation. It will include vector-borne diseases besides West Nile Virus.

## SUMMIT COUNTY SURVEILLANCE

**Reported Vector-borne diseases in 2026 (Table 1):** As of June 1, there were 45 reported cases of Lyme disease; 10 were confirmed and 35 were suspected status. There was also 1 confirmed case of Malaria among Summit County residents.

| Table 1: Vector-borne diseases reported in Summit County, 2026 cumulative totals |           |           |          |
|----------------------------------------------------------------------------------|-----------|-----------|----------|
| Tick-borne diseases:                                                             | Confirmed | Suspected | Probable |
| Babesiosis                                                                       | 0         | 0         | 0        |
| Ehrlichiosis / anaplasmosis                                                      | 0         | 0         | 0        |
| Lyme Disease                                                                     | 10        | 35        | 0        |
| Powassan virus disease                                                           | 0         | 0         | 0        |
| Rocky Mountain spotted fever                                                     | 0         | 0         | 0        |
| Mosquito-borne diseases:                                                         |           |           |          |
| Chikungunya                                                                      | 0         | 0         | 0        |
| Dengue                                                                           | 0         | 0         | 0        |
| Eastern equine encephalitis                                                      | 0         | 0         | 0        |
| LaCrosse virus disease                                                           | 0         | 0         | 0        |
| Malaria                                                                          | 1         | 0         | 0        |
| St. Louis encephalitis virus disease                                             | 0         | 0         | 0        |
| Zika virus infection                                                             | 0         | 0         | 0        |
| West Nile virus disease (also current infection)                                 | 0         | 0         | 0        |
| Totals                                                                           | 11        | 35        | 0        |

Data in Table 2 and Table 3 are based on the laboratory information submitted by participating Summit County Hospital Laboratories. While a test associated with West Nile Virus (WNV) may be positive, it does not directly confirm an active human case. More information regarding laboratory testing for WNV can be found here: [Clinical Testing and Diagnosis for West Nile Virus Disease](#)

**Laboratory Monitoring (West Nile Virus, Table 2):** During surveillance period Weeks 1 and 2, there were 6 tests for West Nile virus ordered by Summit County hospitals, of which 0 were positive. \*\*Some test information may be unaccounted for at this time, related data will be added to future reports once it is made available.

| Table 2: West Nile virus (WNV) tests ordered in Summit County hospitals 2026 |                                    |                                     |                                           |                                            |                              |
|------------------------------------------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------------|--------------------------------------------|------------------------------|
| Week(s)                                                                      | # of WNV tests ordered this period | # of positive WNV tests this period | Cumulative # of tests ordered this season | Cumulative # of positive tests this season | Percentage of positive tests |
| Weeks 1 & 2: 5/17 to 5/30                                                    | 6                                  | 0                                   | 6                                         | 0                                          | 0.00%                        |
| Weeks 3 & 4: 5/31 to 6/13                                                    |                                    |                                     |                                           |                                            |                              |
| Weeks 5 & 6: 6/14 to 6/27                                                    |                                    |                                     |                                           |                                            |                              |
| Weeks 7 & 8: 6/28 to 7/11                                                    |                                    |                                     |                                           |                                            |                              |
| Weeks 9 & 10: 7/12 to 7/25                                                   |                                    |                                     |                                           |                                            |                              |
| Weeks 11 & 12: 7/26 to 8/8                                                   |                                    |                                     |                                           |                                            |                              |
| Weeks 13 & 14: 8/9 to 8/22                                                   |                                    |                                     |                                           |                                            |                              |
| Weeks 15 & 16: 8/23 to 9/5                                                   |                                    |                                     |                                           |                                            |                              |
| Weeks 17 & 18: 9/6 to 9/19                                                   |                                    |                                     |                                           |                                            |                              |
| Weeks 19 & 20: 9/20 to 10/3                                                  |                                    |                                     |                                           |                                            |                              |
| Weeks 21 & 22: 10/4 to 10/17                                                 |                                    |                                     |                                           |                                            |                              |

**Note:** Reporting may not be completed each week. Numbers will be updated when reports are received

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**Laboratory Monitoring (Lyme Disease, Table 3):** There were 29 diagnostic test series performed for Lyme disease during Weeks 1 and 2, 1 test was positive and 0 were indeterminate. \*\*Some test information may be unaccounted for at this time, related data will be added to future reports once it is made available.

**Table 3: Lyme disease tests ordered in Summit County hospitals 2026**

| Week(s)                      | # of Lyme tests ordered this period | # of positive Lyme tests this period | Cumulative # of tests ordered this season | Cumulative # of positive tests this season | Percentage of positive tests |
|------------------------------|-------------------------------------|--------------------------------------|-------------------------------------------|--------------------------------------------|------------------------------|
| Weeks 1 & 2: 5/17 to 5/30    | 29                                  | 1                                    | 29                                        | 1                                          | 3.45%                        |
| Weeks 3 & 4: 5/31 to 6/13    |                                     |                                      |                                           |                                            |                              |
| Weeks 5 & 6: 6/14 to 6/27    |                                     |                                      |                                           |                                            |                              |
| Weeks 7 & 8: 6/28 to 7/11    |                                     |                                      |                                           |                                            |                              |
| Weeks 9 & 10: 7/12 to 7/25   |                                     |                                      |                                           |                                            |                              |
| Weeks 11 & 12: 7/26 to 8/8   |                                     |                                      |                                           |                                            |                              |
| Weeks 13 & 14: 8/9 to 8/22   |                                     |                                      |                                           |                                            |                              |
| Weeks 15 & 16: 8/23 to 9/5   |                                     |                                      |                                           |                                            |                              |
| Weeks 17 & 18: 9/6 to 9/19   |                                     |                                      |                                           |                                            |                              |
| Weeks 19 & 20: 9/20 to 10/3  |                                     |                                      |                                           |                                            |                              |
| Weeks 21 & 22: 10/4 to 10/17 |                                     |                                      |                                           |                                            |                              |

**Note: Reporting may not be completed each week. Numbers will be updated when reports are received**

For information about Diagnosis and Testing, visit this [link](#).

# SUMMIT COUNTY EMERGENCY CARE DATA

Chart 1. Summit County Resident Emergency Room Visits related to Tick Bites by Month (Up to 6/1/2026):

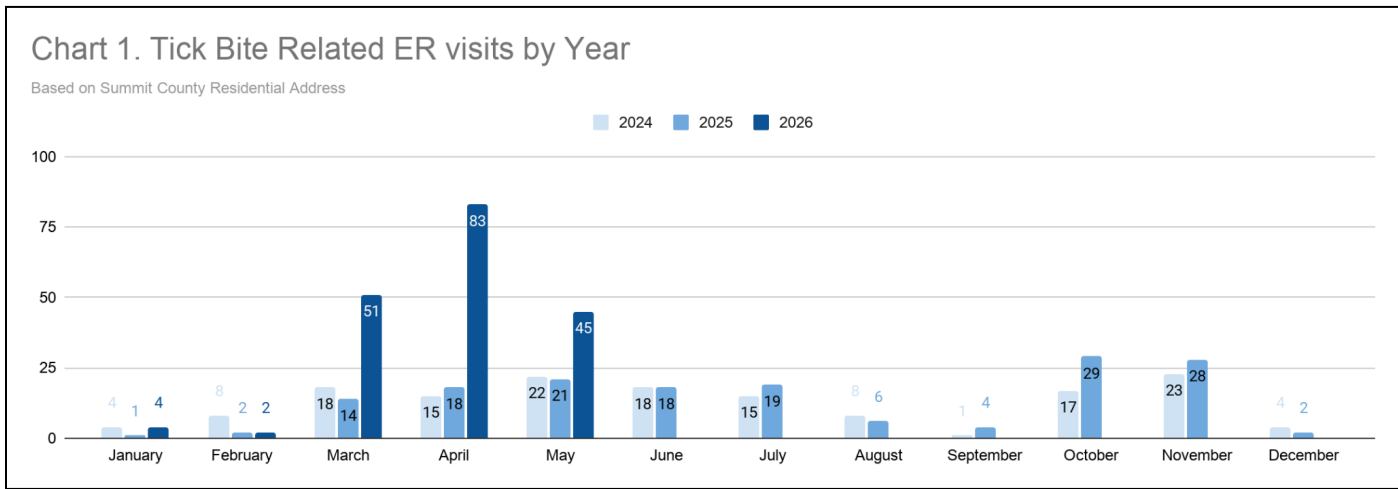
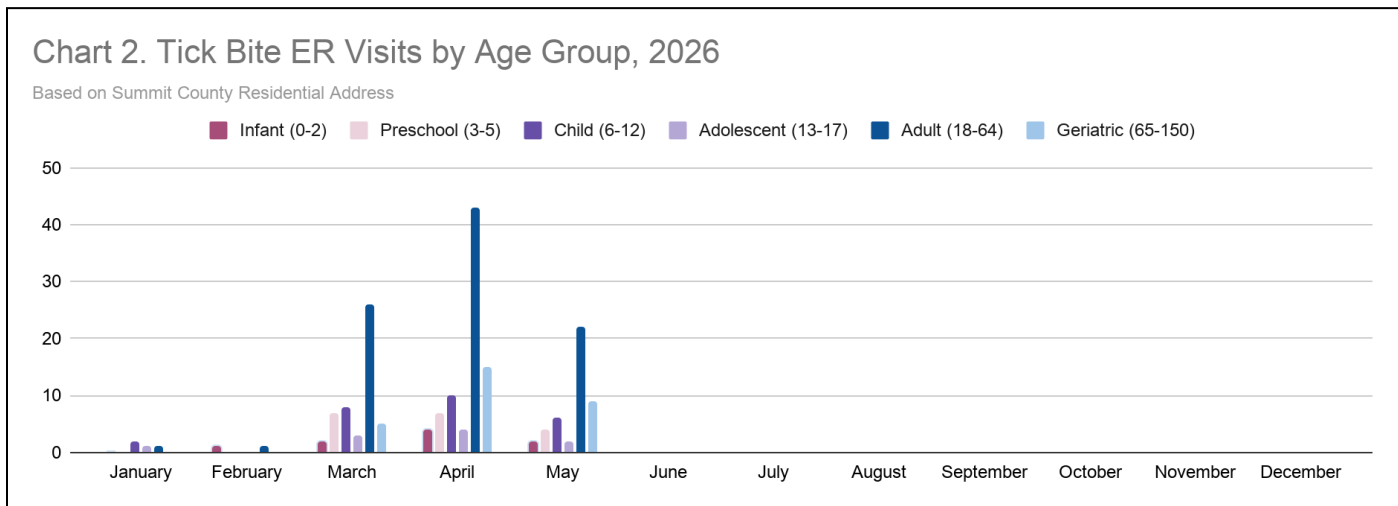


Chart 2. Summit County Resident Emergency Room Visits related to Tick Bites by Age Group (Up to 6/1/2026):



## Tracking Tick Bites via Ohio’s EpiCenter System:

EpiCenter is Ohio’s statewide syndromic surveillance system operated by the Ohio Department of Health (ODH) in partnership with Health Monitoring Systems, Inc. It automatically tracks, manages, and visualizes real-time, de-identified data from approximately 94% of Ohio’s emergency department (ED) and urgent care visits.

By continuously analyzing the "chief complaints" and symptoms of patients upon registration, EpiCenter serves as an early warning radar for public health threats, including the tracking of tick bites and subsequent tick-borne illnesses.

For more information: [ODH Syndromic Surveillance Reporting](#)

## OHIO VECTOR IDENTIFICATION DATA

| Table 4. Notable mosquito and tick species identifications in Summit County (as of June 12, 2026)                    |                                              |               |      |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------|------|
| Species name                                                                                                         | Diseases associated                          | Summit County | Ohio |
| <b>Mosquito species</b>                                                                                              |                                              |               |      |
| <i>Aedes albopictus</i>                                                                                              | Chikungunya, dengue fever, yellow fever      | 0             | 35   |
| <i>Aedes triseriatus</i>                                                                                             | La Crosse encephalitis                       | 1             | 1    |
| <i>Coquillettidia perturbans</i>                                                                                     | Eastern equine encephalitis, West Nile virus | 0             | 5    |
| <b>Tick species</b>                                                                                                  |                                              |               |      |
| <i>Amblyomma americanum</i>                                                                                          | Ehrlichiosis, tularemia, red meat allergy    | -             | -    |
| <i>Dermacentor variabilis</i>                                                                                        | Rocky Mountain spotted fever, tularemia      | -             | -    |
| <i>Ixodes scapularis</i>                                                                                             | Lyme disease, babesiosis, anaplasmosis       | -             | -    |
| Source: Ohio Department of Health (Identification via mailed specimens, emailed photos and iNaturalist observations) |                                              |               |      |

**Mosquito testing by the Ohio Department of Health:** Based on the ODH mosquito testing summary released on June 12, 2026.

| Table 5. Mosquito Testing in Summit County (samples processed by noon on 6/12/26) |       |
|-----------------------------------------------------------------------------------|-------|
| <b>Mosquitoes identified</b>                                                      | 2,686 |
| <b>Pooled samples tested</b>                                                      | 2,576 |
| <b>Positive WNV pooled samples</b>                                                | 0     |
| Note: All mosquitoes pools tested were <i>Culex spp.</i>                          |       |

### Special note for travelers:

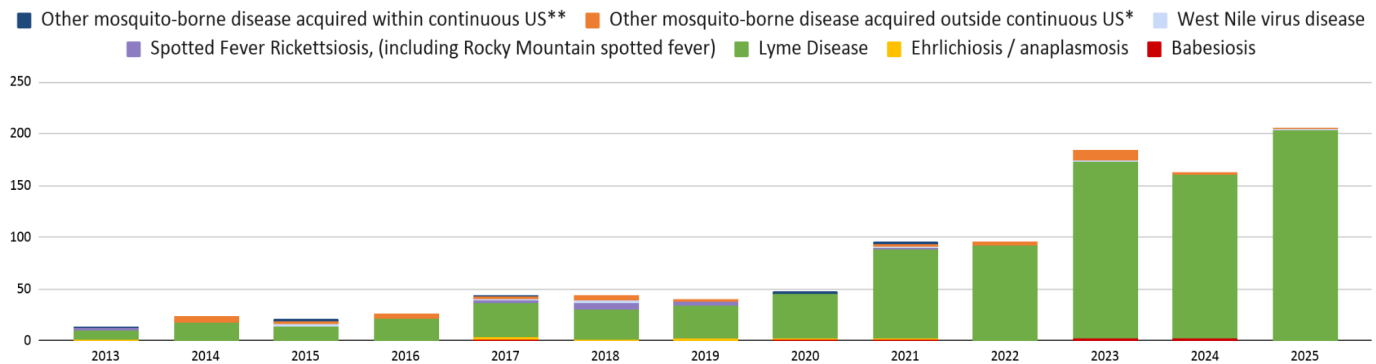
Ohioans traveling to areas where local transmission is occurring should be aware of the ongoing situation and make every effort to avoid mosquito bites. Additional information can be found from the [Centers for Disease Control and Prevention \(CDC\)'s Travelers' Health](#) and [Pan-American Health Organization](#) websites.

## TRENDS IN VECTOR-BORNE DISEASE IN SUMMIT COUNTY, 2014 - 2025

Table 6 provides data on the vector-borne diseases that were reported in Summit County from 2013 to 2025. The vector for Lyme disease, the blacklegged tick (*Ixodes scapularis*), was first identified in Ohio in 1989, but populations did not begin to increase dramatically until 2009. The blacklegged tick is now established throughout eastern and southern Ohio, and has been collected in all of Ohio's 88 counties.

**Table 6. Reported vector-borne disease cases in Summit County, 1/1/2013 - 12/31/2025**

|                                                                                      | 2013      | 2014      | 2015      | 2016      | 2017      | 2018      | 2019      | 2020      | 2021      | 2022      | 2023       | 2024       | 2025       |
|--------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| <b>Babesiosis</b>                                                                    | 0         | 0         | 0         | 0         | 1         | 0         | 0         | 1         | 1         | 0         | 2          | 2          | 0          |
| <b>Ehrlichiosis / anaplasmosis</b>                                                   | 1         | 0         | 0         | 0         | 3         | 1         | 2         | 1         | 2         | 0         | 0          | 0          | 0          |
| <b>Lyme Disease</b>                                                                  | 9         | 18        | 14        | 21        | 33        | 29        | 32        | 44        | 86        | 92        | 171        | 158        | 204        |
| <b>Spotted Fever Rickettsiosis,<br/>(including Rocky Mountain<br/>spotted fever)</b> | 2         | 0         | 0         | 0         | 2         | 6         | 4         | 0         | 1         | 0         | 0          | 0          | 0          |
| <b>West Nile virus disease</b>                                                       | 0         | 0         | 2         | 0         | 1         | 3         | 0         | 0         | 1         | 0         | 1          | 1          | 1          |
| <b>Other mosquito-borne disease<br/>acquired outside contiguous US*</b>              | 1         | 6         | 3         | 6         | 3         | 5         | 2         | 0         | 2         | 4         | 10         | 2          | 1          |
| <b>Other mosquito-borne disease<br/>acquired within contiguous US**</b>              | 1         | 0         | 2         | 0         | 1         | 0         | 0         | 2         | 3         | 0         | 0          | 0          | 0          |
|                                                                                      | <b>14</b> | <b>24</b> | <b>21</b> | <b>27</b> | <b>44</b> | <b>44</b> | <b>40</b> | <b>48</b> | <b>96</b> | <b>96</b> | <b>184</b> | <b>163</b> | <b>206</b> |



**Chart 3. Reported vector-borne disease cases in Summit County, 2013 – 2025**

Notes: \* Includes imported cases of malaria, chikungunya, dengue, and Zika virus infection

\*\* Includes LaCrosse virus disease and St. Louis encephalitis virus disease

Data Source: Ohio Disease Reporting System

## OTHER AVAILABLE RESOURCES

Source [CDC STACKS NNDSS](#): National Notifiable Disease Surveillance System

- Weekly and Annual statistics from the National Notifiable Diseases Surveillance System (NNDSS), a nationwide collaboration that enables all levels of public health—local, state, territorial, federal, and international—to share notifiable disease-related health information. Find tables on a specific condition by searching for the condition using the CDC Stacks Search bar. Users may also browse the Topics filter on the left panel; topics are currently being updated and browsing may not provide comprehensive results.

Source [Ohio Vector-borne Disease Surveillance Update](#)

- The Ohio Department of Health (ODH) Zoonotic Disease Program, in partnership with ODH Laboratory, local public health partners, and sanitary district partners, conducts statewide vector-borne disease surveillance which includes monitoring for human and veterinary cases.
- “We will monitor for diseases transmitted by mosquitoes and ticks throughout the summer and fall and will report positive results and summary statistics on this website, updated each Friday at noon.”
- For more data on human cases of mosquito-borne and tickborne diseases, please visit ODH's infectious disease dashboard.

Source [CDC West Nile Virus 2026](#)

- ArboNET is a national arboviral surveillance system managed by CDC and state health departments.
- These data are preliminary and subject to change.
- Current season data are updated every one to two weeks during June through December.
- Due to delays in reporting, state, territorial, and local health departments may have more up-to-date information than what is presented here.

**About this report:** Reporting agencies include Summit County hospital laboratories and the Ohio Department of Health. Vector-borne disease case data for Summit County are obtained from the Ohio Disease Reporting System.

**Many thanks to all agencies who report vector-borne disease data weekly.**

Reporting from participants may not be complete each week. Numbers may change as updated reports are received. For questions, please contact Julie Zidones (JZidones@schd.org) or the Summit County Public Health Communicable Disease Unit (330-375-2662). This report was issued on **June 17, 2026**.