SOUTHERN NEVADA HEALTH DISTRICT
WEEKLY ARBOVIRUS UPDATE
MMWR WEEK 44 (11/1/2026 - 11/7/2026)
Data reported through: November 2, 2026

Clark County, NV.
In an effort to keep Clark County residents and visitors safe and aware of the arboviruses currently affecting the area, the Southern Nevada Health District (SNHD) is issuing a weekly arbovirus update. SNHD conducts routine surveillance for arboviruses in mosquitoes and arboviral disease in humans. SNHD's Mosquito Surveillance program monitors the local mosquito population for arboviruses such as West Nile Virus (WNV), St. Louis Encephalitis Virus (SLEV), and Western Equine Encephalitis Virus (WEEV). In addition to monitoring mosquitoes for arboviruses, the program also provides information on the type of mosquitoes present in the area.

Arboviral diseases in humans are reportable to SNHD's Office of Acute Communicable Disease Control (ACDC). Currently, WNV and SLEV are the only locally acquired arboviral diseases that have been reported. ACDC sporadically investigates travel-associated cases of dengue, chikungunya, and Zika virus.

West Nile Virus
WNV is a potentially serious but preventable illness most often spread by the bite of an infected mosquito. It is the leading cause of mosquito-borne disease across the United States.

Mosquitoes become infected when they feed on infected birds. WNV can infect humans, birds, mosquitoes, horses, and some other mammals. It is not transmitted from person-to-person.

According to the Centers for Disease Control and Prevention (CDC), about 1 in 5 people who are infected develop a fever and other symptoms. About 1 out of 150 infected people develop serious, sometimes fatal, illness.

The most effective way to prevent arboviral infections, such as WNV, is to prevent mosquito bites and eliminate standing water.

For additional resources and information about WNV and how to prevent infection, go to the CDC's West Nile Virus website.

Reported WNV cases in Clark Co., NV by year

Infection Type	Year 2022	Year 2023	Year 2024	Year 2025	Year 2026
WNV-Non neuroinvasive	0	0	12	0	0
WNV-neuroinvasive	0	2	14	0	1

WNV Activity
Currently, ACDC has zero active WNV investigations. In 2026, ACDC completed 5 WNV investigations. So far this year, there has been 1 case identified, 1 hospitalization and zero deaths.

SLEV Activity
Currently, ACDC has zero active SLEV investigations. In 2026, ACDC completed 1 SLEV investigation. So far this year, there have been zero cases identified, zero hospitalizations and zero deaths.

WEEV Activity
Currently, ACDC has zero active WEEV investigations. In 2026, ACDC has completed zero WEEV investigations.

Mosquito Surveillance

In 2026, SNHD Environmental Health has set 3,099 traps throughout Clark County and submitted 2,957 sample pools*, representing 50,813 mosquitoes, to the Southern Nevada Public Health Lab (SNPHL) for arboviral analysis. Of these sample pools submitted, 54 tested positive for WNV, zero tested positive for SLEV, and zero tested positive for WEEV.

Mosquito Sampling 2026

WNV

Total Mosquitoes Submitted	Total Sample Pools Submitted	Total Sample Pools WNV +	Total Mosquitoes in WNV + Sampled Pools	Percent WNV + Pools	ZIP Codes identified with WNV
50,813	2,957	54	1,925	1.8	20

SLEV

Total Mosquitoes Submitted	Total Sample Pools Submitted	Total Sample Pools SLEV +	Total Mosquitoes in SLEV + Sampled Pools	Percent SLEV + Pools	ZIP Codes identified with SLEV
50,813	2,957	0	0	0	0

WEEV

Total Mosquitoes Submitted	Total Sample Pools Submitted	Total Sample Pools WEEV +	Total Mosquitoes in WEEV + Sampled Pools	Percent WEEV + Pools	ZIP Codes identified with WEEV
50,813	2,957	0	0	0	0

ZIP codes with WNV Identified Positive Mosquitoes:
89031, 89032, 89084, 89103, 89104, 89107, 89108, 89109, 89117, 89119, 89121, 89122, 89130, 89134, 89139, 89142, 89145, 89146, 89169, 89178

ZIP codes with SLEV Identified Positive Mosquitoes:
None

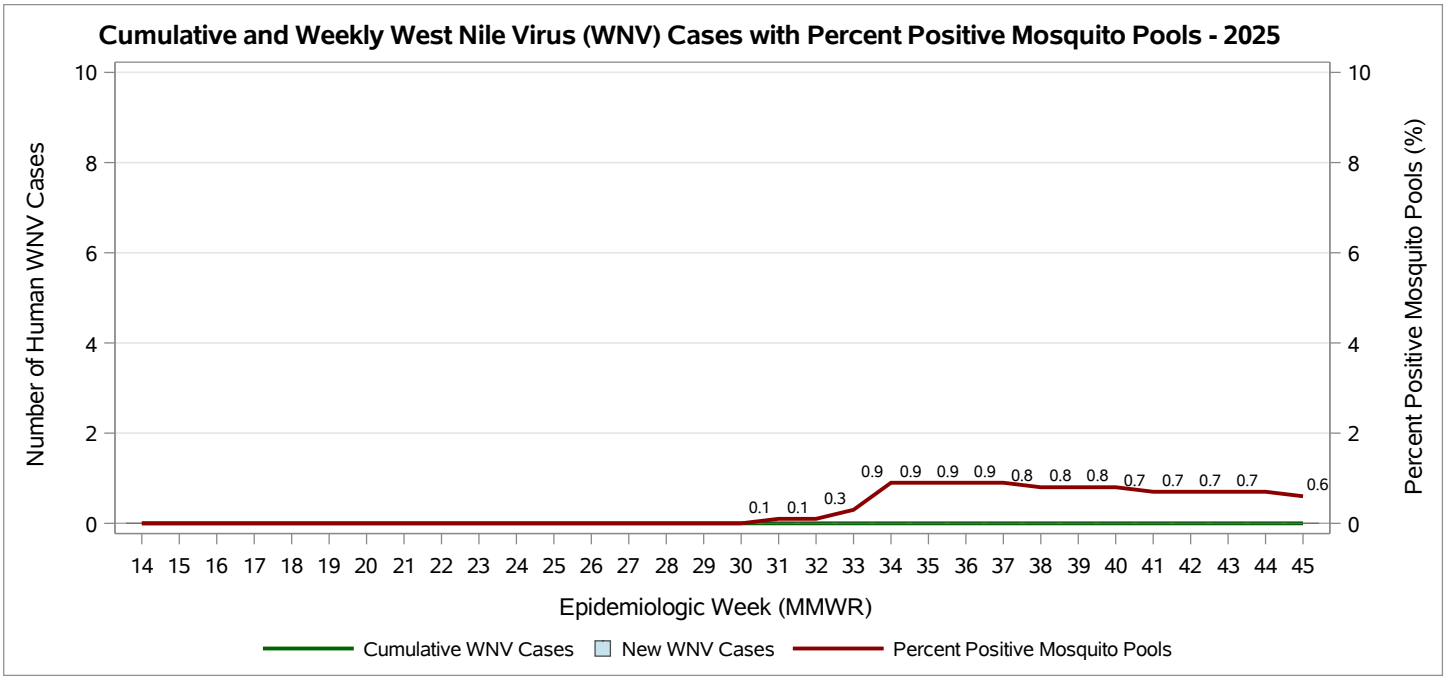
SNHD urges residents to drain standing water around their homes each week, no matter how small the amount. Residents and visitors should use EPA-registered insect repellents when enjoying the outdoors. Residents are also encouraged to report mosquito activity, especially day biting mosquitoes, to the Mosquito Surveillance Program at (702) 759-1633.

For a visual representation of SNHD's mosquito surveillance efforts, including information on mosquito types and disease results, please view the interactive mosquito activity map found on SNHD's website.

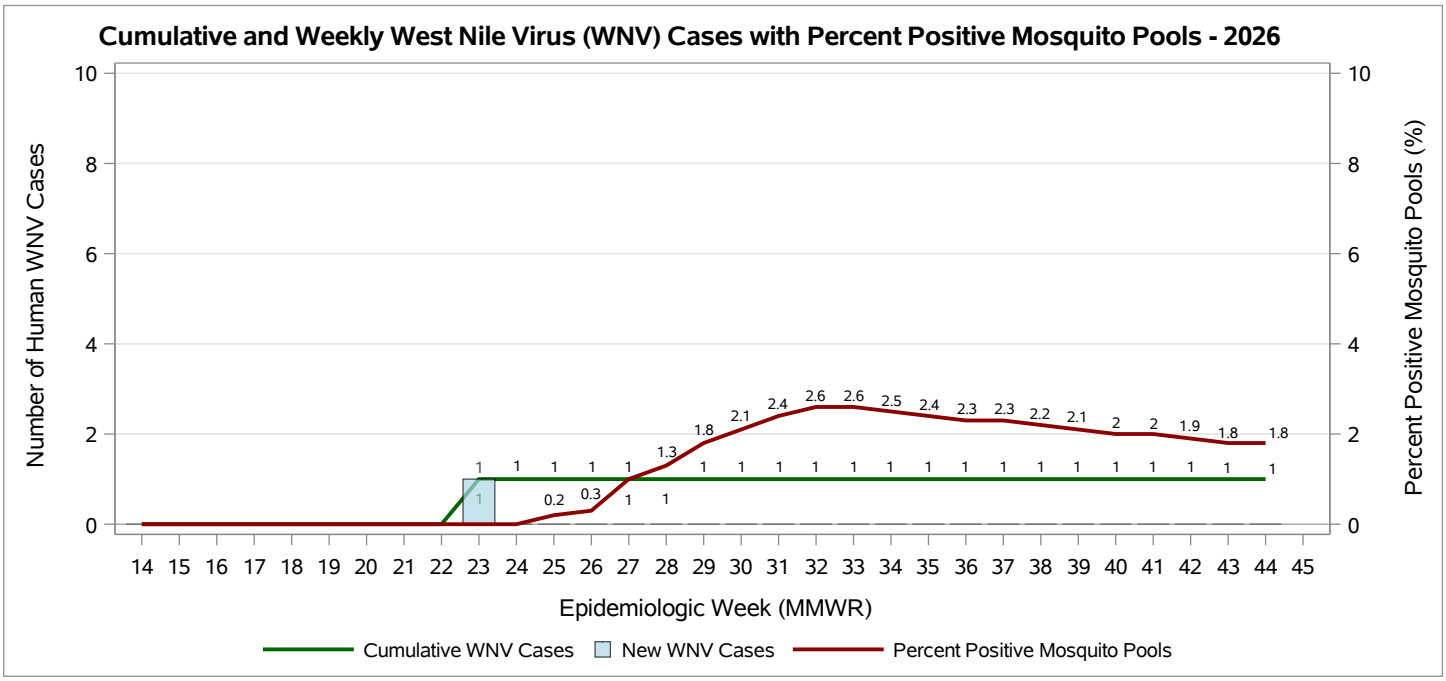
Prepared by:
Matthew Kappel, MPH, CIC, Epidemiology Supervisor
Vivek Raman, MPH, REHS, Environmental Health Supervisor

*A sample pool is defined as a group of up to 50 female mosquitoes of the same species collected from a single location and combined into one vial for testing. **Note: 2026 data are preliminary and subject to change.** Case counts are based on CDC surveillance case definitions.

2025 Mosquito Activity Summary



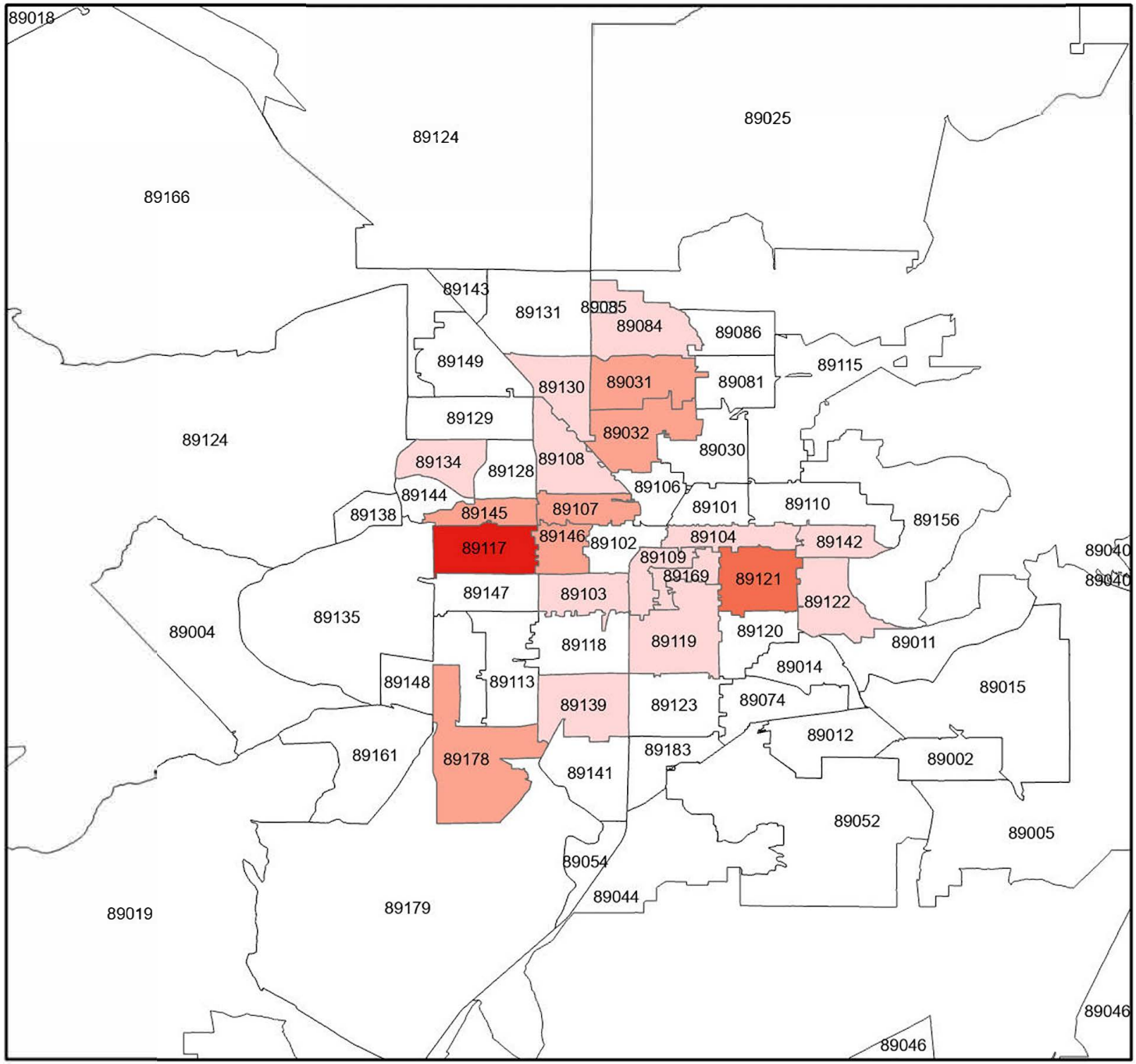
2026 Mosquito Activity Summary

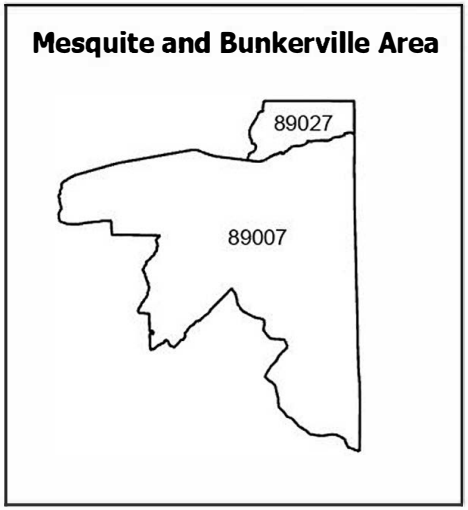


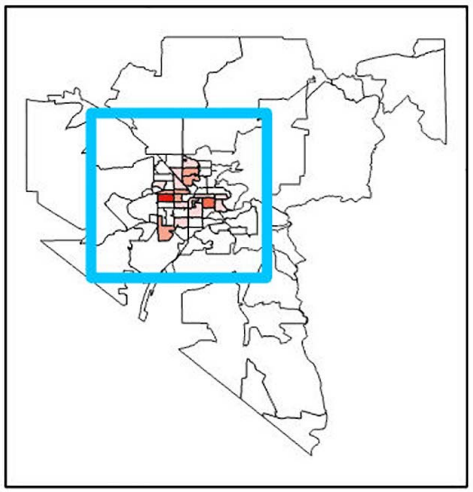
Definitions:

- Cumulative WNV Cases: Total number of human WNV cases reported throughout the season.
- New WNV Cases: Number of newly reported WNV cases for each epidemiologic week.
- Percent Positive Mosquito Pools: Cumulative percent of mosquito pools testing positive for WNV across the season.

West Nile Virus Activity, Clark County, NV







Number of Positive Pools

- 1
- 2 - 4
- 5 - 10
- 11 - 17

Please note, ZIP codes without color do not indicate the absence of the virus. These areas have had either mosquito submission pools that tested negative or no traps were set at this time.
Prepared by the Office of Epidemiology on November 2, 2026.