



29JUL2019

**SOUTHERN NEVADA HEALTH DISTRICT  
WEEKLY ARBOVIRUS UPDATE**

**Clark County, NV.**

In an effort to keep Clark County residents and visitors safe and aware about the status of the arboviruses currently affecting the area, the Southern Nevada Health District (SNHD) will issue an arbovirus update weekly. SNHD conducts routine surveillance for arboviruses in mosquitoes and arboviral disease in humans. SNHD’s Vector Control 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, they also provide information on the type of mosquitoes present in the area. This information is important, especially when faced with emerging diseases like Zika.

Arboviral diseases in humans are reportable to SNHD’s Office of Epidemiology and Disease Surveillance (OEDS). Currently, WNV and SLEV are the only locally acquired arboviral diseases that we’ve seen. OEDS sporadically investigates travel associated cases of Dengue, Chikungunya, and Zika virus.

Table 1: Reported Zika cases in Clark Co., NV by year

InfectionType	Year2017	Year2018	Year2019
Non-Travel Related Infections of Zika	1	.	.
Travel-Related Infections of Zika	1	.	.

The Centers for Disease Control and Prevention (CDC) recommends that women who are pregnant or thinking of becoming pregnant postpone travel to areas with local Zika transmission. If you are pregnant and must travel or if you live or work in the impacted area, protect yourself from mosquito bites by wearing insect repellent, long clothing and limiting your time outdoors.

CDC also recommends that a pregnant woman with a history of Zika virus and her provider should consider additional ultrasounds.

Pregnant women can contact SNHD for Zika risk assessment and testing hours and information. A Zika risk assessment will be conducted by OEDS staff and blood and/or urine samples may be collected and sent to laboratories for testing.

For resources and information, click [here](#).

**ACTIVE WNV or SLEV INVESTIGATIONS**

OEDS currently has four active WNV investigation. In 2019, OEDS has conducted six WNV investigations.

Event Onset	Type of Disease	Positive Test Type	PRNT Result
13APR2019	WNV-neuroinvasive	IgM	
16JUN2019	WNV-neuroinvasive	IgM	
01JUL2019	WNV-Non neuroinvasive	IgM	
10JUL2019	WNV-neuroinvasive	IgM	
19JUL2019	WNV-Non neuroinvasive	Nucleic Acid Test	
16JUL2019	WNV-neuroinvasive	IgM	

## MOSQUITO SURVEILLANCE

In 2019, SNHD Environmental Health has set 1,588 traps throughout Clark County and submitted 1,437 testing pools, representing 34,769 mosquitoes, to the Southern Nevada Public Health Lab (SNPHL) for arboviral analysis. SNPHL has reported 46 additional WNV positive mosquito pools, totaling 1,569 mosquitoes, from locations 89002, 89021, 89030, 89032, 89035, 89040, 89106, 89128, 89129, 89131, 89135, and 89143 zip codes. Additionally, SLEV was identified in five additional mosquito pools, totaling 86 mosquitoes, from locations in 89030, 89032, and 89128 zip codes.

This season, WNV has been identified in mosquitoes from the following zip codes: 89002, 89005, 89014, 89021, 89030, 89032, 89035, 89040, 89101, 89102, 89106, 89107, 89110, 89117, 89118, 89123, 89128, 89129, 89131, 89135, 89139, 89143, 89149, 89166, and 89178. SLEV has been identified in mosquitoes from the following zip codes: 89014, 89030, 89032, 89102, 89106, 89107, 89123, 89128, 89129, and 89149.

## MOSQUITO SAMPLING 2019

### SLEV

Total Mosquitoes Submitted	Total Pools Submitted	Total SLEV + Pooled Submissions	Total SLEV + Mosquitoes in Pooled Samples	Zip Codes identified with SLEV
34,769	1,437	20	433	10

### WNV

Total Mosquitoes Submitted	Total Pools Submitted	Total WNV + Pooled Submissions	Total WNV + Mosquitoes in Pooled Samples	Zip Codes identified with WNV
34,769	1,437	143	4987	25

### WEE

Total Mosquitoes Submitted	Total Pools Submitted	Total WEE + Pooled Submissions	Total WEE + Mosquitoes in Pooled Samples	Zip Codes identified with WEE
34,769	1,437	.	.	.

SNHD urges residents to drain standing water weekly, no matter how seemingly small. Residents and visitors should use repellents when enjoying the outdoors. Residents are also encouraged to report mosquito activity, especially day biting mosquitoes to the Vector Surveillance Program at 702-759-1633.