

02AUG2019

**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 nine active WNV investigations. In 2019, OEDS has conducted eleven WNV investigations.

Evt 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	
15JUL2019	WNV-neuroinvasive	IgM	
08JUL2019	WNV-neuroinvasive	IgM	
21JUL2019	WNV-neuroinvasive	IgM	
30JUL2019	WNV-neuroinvasive	IgM	
18JUL2019	WNV-neuroinvasive	IgM	

## MOSQUITO SURVEILLANCE

In 2019, SNHD Environmental Health has set 1,733 traps throughout Clark County and submitted 1,489 testing pools, representing 35,817 mosquitoes, to the Southern Nevada Public Health Lab (SNPHL) for arboviral analysis. SNPHL has reported 55 additional WNV positive mosquito pools, totaling 1,180 mosquitoes, from locations 89032, 89074, 89085, 89107, 89108, 89110, 89113, 89117, 89131 and 89134 zip codes. Additionally, SLEV was identified in 10 additional mosquito pools, totaling 171 mosquitoes, from locations in 89107, 89113, 89117, 89131, 89134, and 89135 zip codes.

This season, WNV has been identified in mosquitoes from the following zip codes: 89002, 89005, 89014, 89021, 89030, 89031, 89032, 89035, 89040, 89052, 89074, 89084, 89085, 89101, 89102, 89106, 89107, 89108, 89110, 89113, 89117, 89118, 89120, 89122, 89123, 89128, 89129, 89131, 89134, 89135, 89138, 89139, 89143, 89149, 89166, 89178. SLEV has been identified in mosquitoes from the following zip codes: 89014, 89030, 89032, 89102, 89106, 89107, 89113, 89117, 89123, 89128, 89129, 89131, 89134, 89135, 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
35,817	1,489	30	604	15

### WNV

Total Mosquitoes Submitted	Total Pools Submitted	Total WNV + Pooled Submissions	Total WNV + Mosquitoes in Pooled Samples	Zip Codes identified with WNV
35,817	1,489	198	6,167	36

### WEE

Total Mosquitoes Submitted	Total Pools Submitted	Total WEE + Pooled Submissions	Total WEE + Mosquitoes in Pooled Samples	Zip Codes identified with WEE
35,817	1,489	.	.	.

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.