



12JUL2019

**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 one active WNV investigation. In 2019, OEDS has conducted two WNV investigations.

Event Onset	Type of Disease	Positive Test Type	PRNT Result
13APR2019	WNV-neuroinvasive	IgM	
16JUN2019	WNV-neuroinvasive	IgM	

MOSQUITO SURVEILLANCE

In 2019, SNHD Environmental Health has set 1,266 traps throughout Clark County and submitted 1,132 testing pools, representing 30,075 mosquitoes, to the Southern Nevada Public Health Lab (SNPHL) for arboviral analysis. SNPHL has reported 49 additional WNV positive mosquito pools, totaling 1,879 mosquitos, from locations 89014, 89030, 89032, 89106, 89107, 89123 and 89129 zip codes. Additionally, SLEV was identified in 11 mosquito pools, totaling 215 mosquitoes, from locations in 89014, 89030, 89106, 89107, and 89123 zip codes.

This season, WNV has been identified in mosquitoes from the following zip codes: 89005, 89014, 89030, 89032, 89101, 89106, 89107, 89110, 89123, 89129, 89131, and 89139. SLEV has been identified in mosquitoes from the following zip codes: 89014, 89030, 89106, 89107, and 89123.

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
30,075	1,132	11	215	5

WNV

Total Mosquitoes Submitted	Total Pools Submitted	Total WNV + Pooled Submissions	Total WNV + Mosquitoes in Pooled Samples	Zip Codes identified with WNV
30,075	1,132	77	2929	12

WEE

Total Mosquitoes Submitted	Total Pools Submitted	Total WEE + Pooled Submissions	Total WEE + Mosquitoes in Pooled Samples	Zip Codes identified with WEE
30,075	1,132	.	.	.

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.