



26JUL2018

**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. The Southern Nevada Health District 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. The OEDS sporadically investigates travel associated cases of Dengue, Chikungunya, and Zika virus.

ZIKA VIRUS UPDATE

To date in 2018, SNHD has tested 6 people for the Zika virus. Testing guidelines were updated on 7/24/17 by the CDC to no longer recommend testing for asymptomatic pregnant women who only have one recent exposure event. This group was the largest portion of clients tested at SNHD; therefore, as anticipated, SNHD has experienced a sharp decrease in testing numbers since then.

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

InfectionType	Year2016	Year2017
Non-Travel Related Infections of Zika	1	1
Travel-Related Infections of Zika	21	1

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 labs for testing.

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

ACTIVE WNV or SLEV INVESTIGATIONS

OEDS currently has zero active WNV investigations.

MOSQUITO SURVEILLANCE

In 2018, SNHD Environmental Health has set 1111 traps throughout Clark County and submitted 1130 testing pools, representing 22253 mosquitoes, to SNPHL for arboviral analysis. The Southern Nevada Public Health Lab (SNPHL) reported the first arbovirus positive mosquitoes of the year. One mosquito submission pool of 50 *Culex erythrothorax* in the 89122 Zip Code were positive for West Nile Virus. Jurisdictional counterparts were notified and the Public Information Office will generate a press release reminding the community to be vigilant with backyard breeding and bite prevention.

During the week, the mosquito surveillance office received numerous calls of mosquito activity in the 89131 zip code. Mosquito surveillance identified a significant population of flood water mosquito caused by the recent monsoon rains. City of Las Vegas Public Works was notified and they initiated mosquito control measures in the standing water and storm drains. No additional *Aedes aegypti* were identified during the week. A total of 50 *Aedes aegypti* female mosquitoes have been trapped in the 89031 and 89032 zip codes. Staff continue to place 'Oviposition Trap and Kill' monitoring traps, providing a passive method of ongoing targeted control and monitoring. All trapped *Ae. aegypti* have tested negative or have pending ZIKA virus results.

MOSQUITO SAMPLING 2018

SLEV

Total Mosquitoes Submitted	Total Pools Submitted	Total SLEV + Pooled Submissions	Total SLEV + Mosquitoes in Pooled Samples	Zip Codes identified with SLEV
22,253	1,130	.	.	.

WNV

Total Mosquitoes Submitted	Total Pools Submitted	Total WNV + Pooled Submissions	Total WNV + Mosquitoes in Pooled Samples	Zip Codes identified with WNV
22,253	1,130	1	50	1

WEE

Total Mosquitoes Submitted	Total Pools Submitted	Total WEE + Pooled Submissions	Total WEE + Mosquitoes in Pooled Samples	Zip Codes identified with WEE
22,253	1,130	.	.	.

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.