

June 8, 2018



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 5 people for the Zika virus. In 2016, SNHD tested 156 people and in 2017 SNHD tested 91. 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.

Infection Type	Case Counts		
	2016	2017	2018
Travel-Related Infections of Zika	21	1	0
Non-Travel Related Infections of Zika	1	1	0

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 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 on Zika virus, click [here](#).

ACTIVE WNV or SLEV INVESTIGATIONS

No cases reported for 2018.

Reported Cases	Date of Onset	Commercial Lab Positive	Type of Disease	PRNT Results

MOSQUITO SURVEILLANCE

Aedes aegypti were first identified in localized areas of Clark County in 2017. Surveillance in 2018 determined *Aedes aegypti* remain present in areas originally identified, however they have not yet been found in other locations throughout the valley. SNHD is not a mosquito abatement agency and the emergency adulticide measures conducted in 2017 after initially identifying the invasive mosquitoes have not become repeated.

In 2018, six female *aegypti* have been identified in 89032 Zip Code from five residences. An active breeding source was identified in a backyard residential pool that had accumulated rain water. Environmental Health Staff, working with North Las Vegas Code Enforcement, mitigated the breeding site. ‘Oviposition Trap and Kill’ monitoring traps will be placed at residences with *Ae. aegypti*, providing a passive method of ongoing targeted control and monitoring. All trapped *Ae. aegypti* have tested negative for ZIKA virus.

SNHD Environmental Health has set 582 traps throughout Clark County and submitted 628 testing pools, representing 11,397 mosquitoes, to SNPHL for arboviral analysis. All samples have been negative for disease.

MOSQUITO SAMPLING 2018

Total Mosquitoes Submitted	Total Pools Submitted	Total SLEV + Pooled Submissions	Total SLEV + Mosquitoes in Pooled Samples	Zip Codes identified with SLEV
11,397	628	0	0	0

Total Mosquitoes Submitted	Total Pools Submitted	Total WNV + Pooled Submissions	Total WNV + Mosquitoes in Pooled Samples	Zip Codes identified with WNV
11,397	628	0	0	0

Total Mosquitoes Submitted	Total Pools Submitted	Total WEE + Pooled Submissions	Total WEE + Mosquitoes in Pooled Samples	Zip Codes identified with WEE
11,397	628	0	0	0

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.