

June 1, 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

Starting with the 2018 mosquito surveillance season, the Southern Nevada Public Health Laboratory (SNPHL) assumed responsibility for conducting arboviral analysis for mosquitoes in Southern Nevada. In past years staff submitted mosquitoes to the Department of Agriculture’s Animal Disease Lab for the analysis. By developing local testing capacity, SNHD will minimize the time frame between trapping mosquitoes and obtaining arboviral results, providing quicker interventions against potential mosquito disease transmission.

SNHD continues to collaborate with the Department of Agriculture by providing the Animal Disease Laboratory weekly mosquito surveillance data for reporting into ArboNET, the national arboviral surveillance system managed by the CDC. In 2018 SNHD’s Vector Surveillance programs has submitted 457 mosquito pools, comprising of 8,359 mosquitoes, to the SNPHL for arboviral analysis; no arboviral disease has been identified this season.

The Environmental Health Division enhanced existing capacity for emergency adult mosquito abatement by purchasing an additional truck mounted electric Ultra Low Volume (ULV) fogger and adulticide chemicals.

Coinciding with the start of the mosquito surveillance season, the PIO and EH collaborated on a ‘Mosquito Monday’ open house for the community to learn about the surveillance and prevention program. Numerous media outlets attended and stories aired on Channels 8, 3 and 15, KXNT radio and the Review Journal.

MOSQUITO SAMPLING 2018

Total Mosquitoes Submitted	Total Pools Submitted	Total SLEV + Pooled Submissions	Total SLEV + Mosquitoes in Pooled Samples	Zip Codes identified with SLEV
8359	457	0	0	0

Total Mosquitoes Submitted	Total Pools Submitted	Total WNV + Pooled Submissions	Total WNV + Mosquitoes in Pooled Samples	Zip Codes identified with WNV
8359	457	0	0	0

Total Mosquitoes Submitted	Total Pools Submitted	Total WEE + Pooled Submissions	Total WEE + Mosquitoes in Pooled Samples	Zip Codes identified with WEE
8359	457	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.