



28SEP2018

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 1979 traps throughout Clark County and submitted 1739 testing pools, representing 37041 mosquitoes, to SNPHL for arboviral analysis.

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 |
|----------------------------|-----------------------|---------------------------------|---|--------------------------------|
| 37,041 | 1,739 | . | . | . |

WNV

| Total Mosquitoes Submitted | Total Pools Submitted | Total WNV + Pooled Submissions | Total WNV + Mosquitoes in Pooled Samples | Zip Codes identified with WNV |
|----------------------------|-----------------------|--------------------------------|--|-------------------------------|
| 37,041 | 1,739 | 2 | 66 | 2 |

WEE

| Total Mosquitoes Submitted | Total Pools Submitted | Total WEE + Pooled Submissions | Total WEE + Mosquitoes in Pooled Samples | Zip Codes identified with WEE |
|----------------------------|-----------------------|--------------------------------|--|-------------------------------|
| 37,041 | 1,739 | . | . | . |

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.