



West Nile Virus and Other Arboviral Diseases: 2017

Los Angeles County Epidemiology Report #4

August 25, 2017



West Nile Virus (WNV): This week, 11 new WNV cases were documented in Los Angeles County (LAC) (Table 1). The greatest number of residents reported with WNV were from the San Gabriel Valley area (n=6), who all had illness onset within the past 3 weeks. In 2017 to date, there has been 38 WNV cases with 31 hospitalizations and 3 asymptomatic blood donors. Recent preliminary reports indicate WNV is occurring across LAC (Table 2). By this time in 2016 there were 60 cases reported due to an unusual early increase. Compared to the previous 5-year average, there has been an increased number of cases in July (Figure 1). For information about past WNV seasons in LAC visit the [ACDC WNV webpage](#). Nationally, 314 human cases have been [reported to the CDC](#) excluding asymptomatic blood donors (n=71). Primary care physicians are strongly encouraged to review mosquito precautions with their patients.

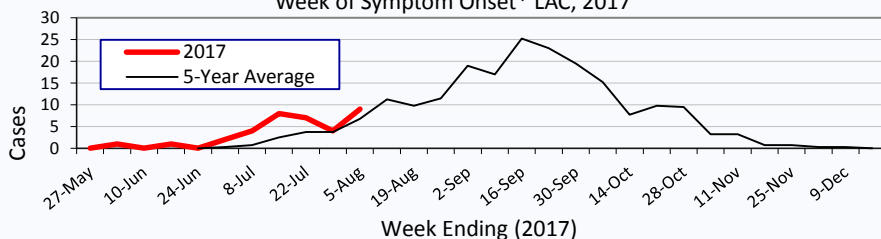
Table 1. Characteristics of WNV Cases: LAC, 2017

Number of Infections ¹	Asymptomatic Donor	Clinical Presentation			Hospitalized	Deaths	Demographics	
		WNV Fever	Neuroinvasive Disease	Neuroinvasive Diagnosis			Gender M/F	Median Age (Range)
Reported This Week	11	0	2	7 = Encephalitis 2 = Meningitis 0 = AFP ²	9	0	6/5	65 (40-82)
Year Total	38	3	29	13 = Encephalitis 15 = Meningitis 1 = AFP ²	31	0	22/16	63 (25-82)

¹Count confirmed by LAC DPH as of 8/23/17, 5pm. Excludes reports from Long Beach and Pasadena. Totals are provisional and subject to change.

²Acute Flaccid Paralysis.

Figure 1. WNV Cases by Week of Symptom Onset* LAC, 2017



*Asymptomatic blood and organ donors listed by date of donation. Due to reporting delays recent weeks are not complete.

Table 2. Recent WNV Reports by Cities of Residence, LAC, 2017¹

Arcadia	Los Angeles
Azusa	Pacoima
Covina	Pomona
Lancaster	Rosemead
La Puente	Whittier

¹WNV positive laboratory results received in past 7 days as of 8/23/17, 5pm. Excludes Long Beach and Pasadena. Reports are provisional and subject to change.

Zika: Since 2015, LAC DPH has identified 115 total cases of Zika virus infection. Only 9 cases have been reported in 2017 (Figure 2). All cases acquired their infection while traveling outside the US (Table 3). For more information on Zika visit [ACDC Zika webpage](#).

Figure 2. Zika Cases, LAC 2016-2017

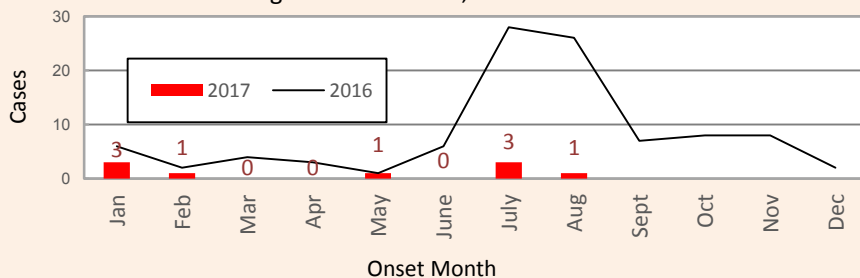


Table 3. Zika Cases by Region of Exposure - LAC, 2017*

Mexico	Guatemala
El Salvador	Costa Rica
Thailand	Philippines

*This does not represent all areas with Zika risk. Routinely visit the [CDC Traveler's Health](#) webpage to view a world map.

Summary of Updated Guidance for Healthcare Providers of Pregnant Women

- Pregnant women should not travel to [areas with known transmission of the Zika virus](#).
- All pregnant women** should be asked about possible Zika exposure before and during pregnancy, at every prenatal visit.
- Pregnant women with Zika symptoms and with possible Zika exposure should be tested for Zika infection by PCR and IgM serology concurrently.
- Pregnant women who have possible Zika exposure and who have a fetus with abnormal ultrasound findings consistent with Zika should be tested.
- Asymptomatic pregnant women with possible Zika exposure, whether or not the exposure is ongoing, should be tested.
- Testing of placental tissues is not routinely recommended for asymptomatic pregnant women, but can be performed under certain situations.

Please see the [LAHAN](#) for details on the updated guidelines. Note the local health departments may adopt recommendations that differ from CDC due to local considerations.

To receive weekly reports email: ACDC2@ph.lacounty.gov

Acute Communicable Disease Control (213) 240-7941 www.publichealth.lacounty.gov/acd/VectorWestNile.htm