



West Nile Virus and Other Arboviral Diseases: 2016 Los Angeles County Epidemiology Final Report February 3, 2017



In 2016, 153 WNV infections (143 clinical cases and 10 asymptomatic donors) were documented in LAC, including 6 fatalities. This is the first decrease since 2010 when there were only 4 infections, but is similar to the heavy WNV activity seen in the last several years. Previously, LAC demonstrated a cyclical pattern, peaking every 4 years. The largest number of infections in 2016 occurred in early August, compared to late September as seen in the previous 5 years (see Figure 1). The last onset occurred on November 29, among the latest documented in LAC. To date, 426 clinical cases in 30 counties have been reported in California. Nationally, 2,038 cases have been reported in 47 states. For additional information visit www.westnile.ca.gov and www.cdc.gov/ncidod/dvbid/westnile.

A total of 102 Zika cases were identified by LAC DPH through 2016: 6 with onset in 2015, 96 with onset in 2016. No local transmission of Zika has been identified. One LAC patient acquired their infection in Florida. The remaining acquired their infection while traveling outside the US (Table 3). The peak occurrence of cases in 2016 occurred during July and August.

For more information on Zika visit www.publichealth.lacounty.gov/acd/VectorZika.htm.

Table 1. Characteristics of West Nile Virus Infections: Los Angeles County, 2016

Number of Infections ¹	Asymptomatic Donor	Clinical Presentation			Hospitalized	Deaths	Demographics	
		WNV Fever	Neuroinvasive Disease	Neuroinvasive Diagnosis			Gender M/F	Median Age (Range)
2016 Total	153	10	35	108	131	6	99/54	63.0 (17-92)
				53 = Encephalitis 48 = Meningitis 5 = AFP ² 2 = Other ³				

¹Excludes reports from Long Beach and Pasadena.

²Acute Flaccid Paralysis.

³West Nile Myelitis or Peripheral Neurologic Dysfunction.

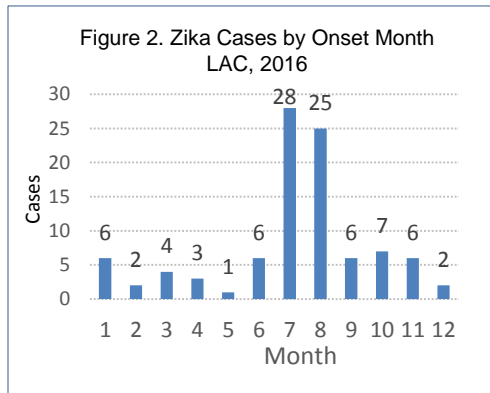
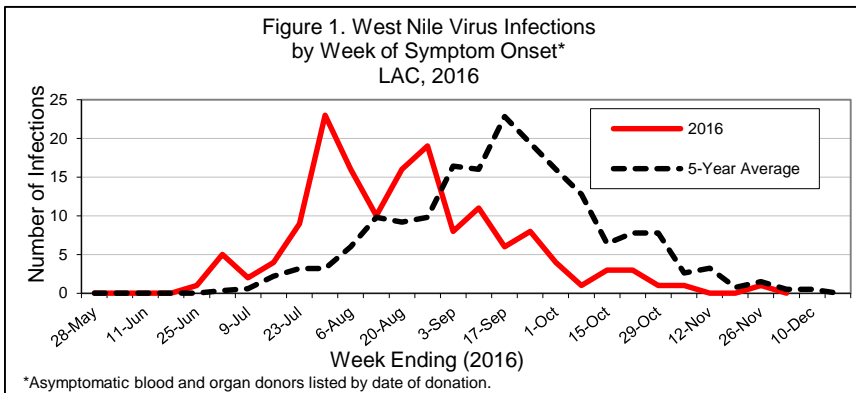


Table 3. Zika Infections by Region of Exposure LAC, 2016

US Travel Region:	
Florida	
Foreign Travel Region:	
Bahamas	Honduras
Brazil	Jamaica
Costa Rica	Mexico
Dominican Republic	Nicaragua
El Salvador	Peru
Fiji	Puerto Rico
Grenada	St. Maarten (Dutch Part)
Guatemala	US Virgin Islands

Table 2. Top Cities of Residence with Reported WNV Infections LAC, 2016*

City	Year Total
Los Angeles	18
Van Nuys	10
Woodland Hills	8
Glendale	8
Northridge	6
North Hollywood	6
Encino	5
Granada Hills	5

* 66 cities with reported infections, excluding Long Beach and Pasadena.

Post-Rain LA: Now is the Time to Remove Standing Water

- Residents should take extra precautions with rain barrels and other containers that collect water because they can serve as sources for mosquito breeding.
- Collected water should be used within the week, or containers should be tightly sealed to prevent mosquito entry. Information on water storage: <https://www.glacvcd.org/>
- Find and remove all unused containers that may collect water and contribute to mosquito problems including plant saucers, buckets, tires, pet water bowls, recycle bins, trash cans, and even trash hidden in nearby bushes.
- For questions, concerns, and to report problems, call the mosquito abatement agency appropriate for your location: www.publichealth.lacounty.gov/acd/docs/MADs2015.pdf