



West Nile Virus: 2015 Los Angeles County Epidemiology Final Report March 30, 2016



The cumulative total for 2015 is 300 infections (274 clinical cases and 26 asymptomatic blood donors), including 24 fatalities (Table 1). This is the highest case count since the initial 2004 outbreak of WNV in Los Angeles County when 309 cases were documented. This 2015 WNV season also accounts for the highest number of deaths reported. The epi-curve for 2015 displays the distribution of cases occurring later in the year (October & November) in comparison to the previous 5 years. Initially, LAC demonstrated cyclical 4-year peaks in WNV activity: in 2004, 2008 and 2012. However since 2011, there has been a general increase of WNV cases each year. For additional information about WNV information in California and the U.S., visit <http://westnile.ca.gov/> and <http://www.cdc.gov/ncidod/dvbid/westnile/>.

Table 1. Characteristics of West Nile Virus Infections: Los Angeles County, 2015

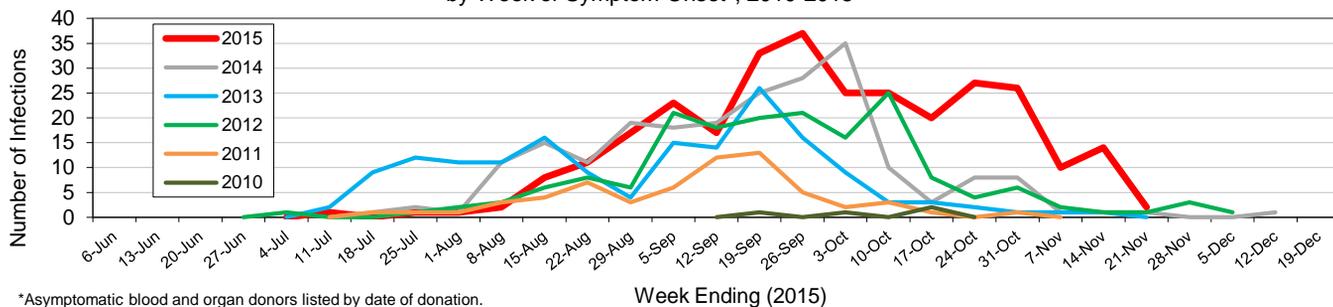
| Number of Infections ¹ | Asymptomatic Donor ² | Clinical Presentation | | | | Hospitalized | Deaths | Demographics | |
|-----------------------------------|---------------------------------|-----------------------|-----------------------|-------------------------|--|--------------|--------|--------------------|--------------|
| | | WNV Fever | Neuroinvasive Disease | Neuroinvasive Diagnosis | Gender M/F | | | Median Age (Range) | |
| Year Total | 300 | 26 | 42 | 232 | 114 = Encephalitis 107 = Meningitis 10 = AFP ³ 1 = Other | 262 | 24 | 198/102 | 63.0 (12-98) |

¹Excludes reports from Long Beach and Pasadena.

²Includes a non-donor asymptomatic infection.

³Acute Flaccid Paralysis.

**West Nile Virus Infections
by Week of Symptom Onset*, 2010-2015**

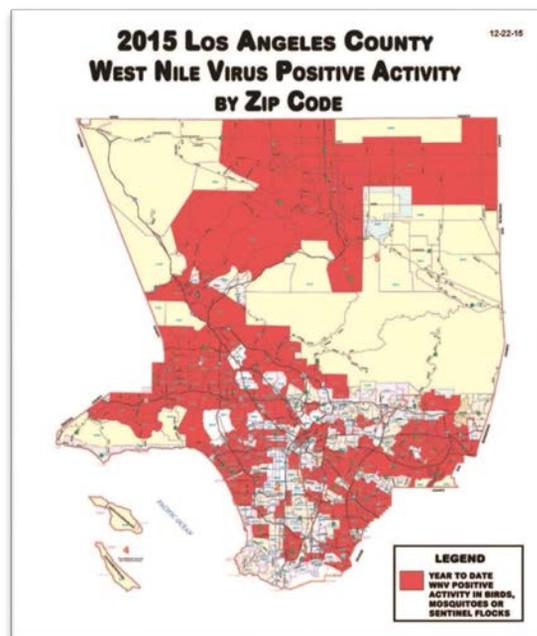


*Asymptomatic blood and organ donors listed by date of donation.

**Table 2. West Nile Virus Infections
by City of Residence (Top 12)
Los Angeles County, 2015¹**

| CITY | Year Total |
|-----------------|------------|
| Los Angeles | 66 |
| Glendale | 21 |
| North Hollywood | 18 |
| Whittier | 13 |
| Burbank | 10 |
| Glendora | 7 |
| Huntington Park | 7 |
| Lakewood | 7 |
| West Covina | 7 |
| Beverly Hills | 6 |
| Covina | 6 |
| Maywood | 6 |

¹Excludes Long Beach and Pasadena.



Map displays environmental indicators of WNV activity.

Courtesy of Los Angeles County West Vector Control

<http://www.lawestvector.org/>