



West Nile Virus: 2014

Los Angeles County Epidemiology Final Report

January 27, 2015



There were no new WNV infections reported in over 3 weeks, with the latest case onset occurring on November 30, 2014. This is the latest onset ever documented for LAC and continues a trend in which WNV transmission occurs through November. The cumulative total for 2014 is 218 infections (199 clinical cases and 19 asymptomatic blood donors, including 7 fatalities) (Table 1). This is the highest case count since the initial outbreak of WNV in LAC in 2004 when 309 cases were documented. The epi-curve for 2014 looks most similar to 2012, however, record numbers of infections occurred this year in the Metropolitan Los Angeles (LA) area, West LA and South LA neighborhoods. This is the third continuous year in which LAC experienced cases numbering in the mid-100's. Previously, LAC had seen cyclical 4-year peaks in WNV activity: in 2004, 2008, and 2012. To date, 798 clinical cases have been reported in 31 California counties. Nationally, 2122 clinical cases have been reported in 41 states, with the most documented in California.

See <http://westnile.ca.gov/> and <http://www.cdc.gov/ncidod/dvbid/westnile/> for details.

Table 1. Characteristics of West Nile Virus Infections: Los Angeles County, 2014

Number of Infections ¹	Asymptomatic Donor	Clinical Presentation				Hospitalized	Deaths	Demographics	
		WNV Fever	Neuroinvasive Disease	Neuroinvasive Diagnosis	Gender M/F			Median Age (Range)	
Year Total	218	43	156	67 = Encephalitis 74 = Meningitis 15 = Acute Flaccid Paralysis	180	7	140/78	60.5 yrs. (17-94 yrs.)	

¹Excludes reports from Long Beach and Pasadena.

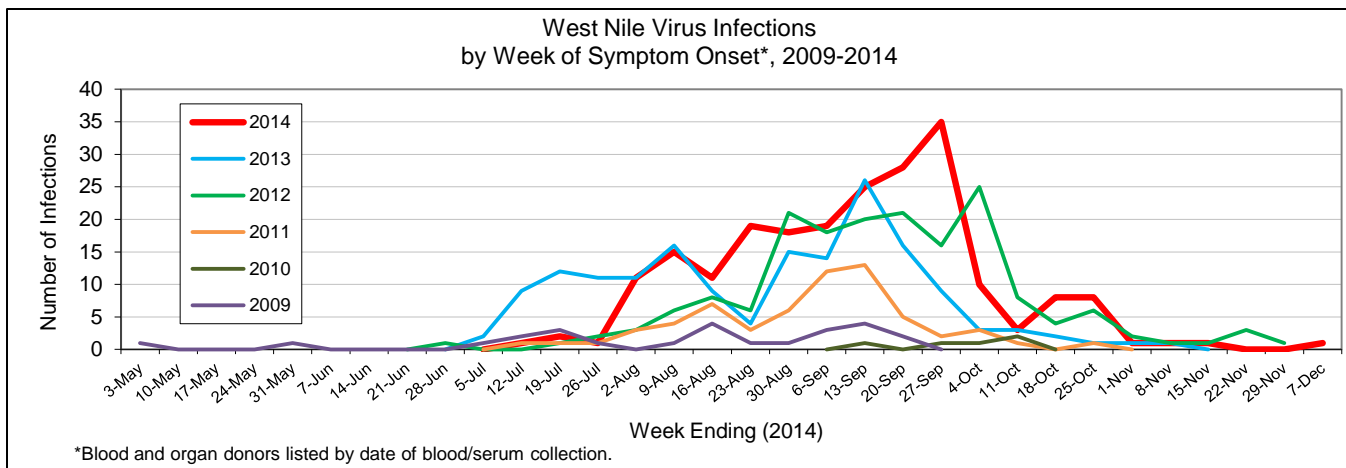


Table 2. West Nile Virus: Infections by Service Planning Area (SPA) Los Angeles County, 2014¹

LOCATION	Year Total	Last Year Total
SPA 1: Antelope Valley	2	17
SPA 2: San Fernando	60	61
SPA 3: San Gabriel	34	23
SPA 4: Metro	28	5
SPA 5: West	24	2
SPA 6: South	13	5
SPA 7: East	46	23
SPA 8: South Bay	11	29
TOTAL	218	165

¹ Excludes Long Beach and Pasadena.

2014 WEST NILE VIRUS ACTIVITY LOS ANGELES COUNTY

