



West Nile Virus: 2013

Los Angeles County Epidemiology Final Report

December 19, 2013



This is the final WNV epidemiology summary report for 2013. There were no new WNV infections reported in the past 2 weeks, with the last case onset occurring on November 5, 2013, similar to 2008. The final deaths due to WNV increased to 9, with one previously reported male resident of San Fernando Valley dying on November 1 due to complications of Acute Flaccid Paralysis. The cumulative total for LAC this year is 165 infections (144 clinical cases, 21 asymptomatic blood donors), including 9 fatalities (Table 1). Over one-third of this year's infections resided in the San Fernando Valley area (Table 2). Record numbers of infections occurred in the Antelope Valley and South Bay regions. This year's total is among the highest numbers of WNV infections recorded in LAC. Previously, LAC has seen cyclical 4-year peaks in WNV activity: in 2004, 2008, and 2012. The early rise in human infections this year also occurred during the 2004 and 2008 seasons. To date statewide, 368 clinical cases have been reported in 31 counties, of which LAC accounts for the largest number. Nationally, 2318 clinical cases have been reported in 46 states.

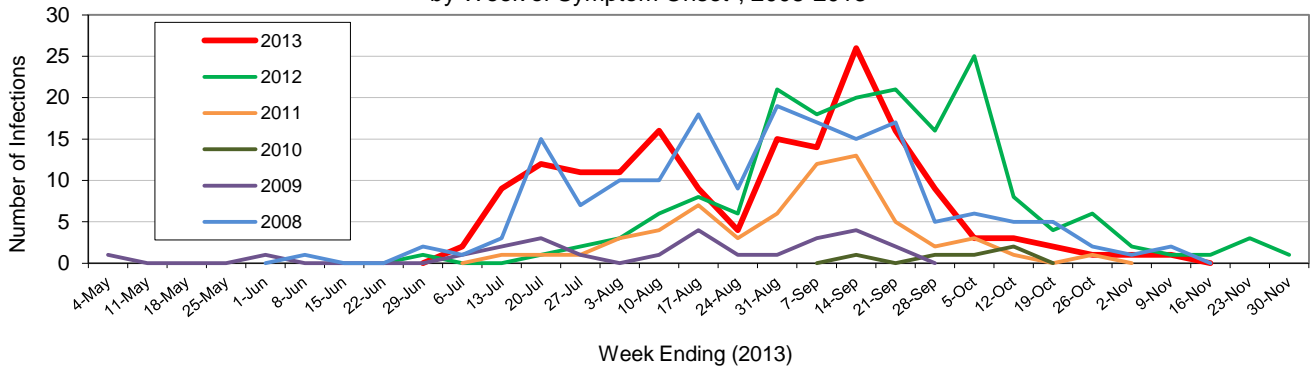
See <http://westnile.ca.gov/> and <http://www.cdc.gov/ncidod/dvbid/westnile/> for details.

Table 1. Characteristics of West Nile Virus Infections: Los Angeles County, 2013

	Number Confirmed ¹	Asymptomatic Donor	Clinical Presentation				Hospitalized	Deaths	Demographics	
			WNV Fever	Neuroinvasive Disease	Neuroinvasive Diagnosis				Gender M/F	Median Age (Range)
Year Total	165	21	40	104	46 = Encephalitis 52 = Meningitis 6 = Acute Flaccid Paralysis	122	9	116/49	56 yrs. (7-92 yrs.)	

¹Excludes reports from Long Beach and Pasadena.

West Nile Virus Infections by Week of Symptom Onset*, 2008-2013



*Blood and organ donors listed by date of blood/serum collection.

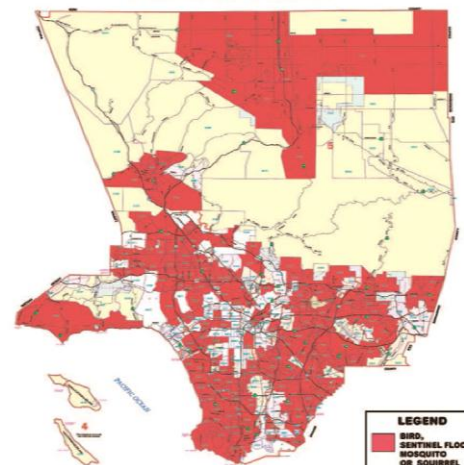
Table 2. West Nile Virus: Infections by Service Planning Area (SPA) Los Angeles County, 2013¹

LOCATION	Year Total	Last Year Total ²
SPA 1: Antelope Valley	17	9
SPA 2: San Fernando	62	75
SPA 3: San Gabriel	23	45
SPA 4: Metro	5	16
SPA 5: West	2	8
SPA 6: South	4	2
SPA 7: East	23	12
SPA 8: South Bay	29	4
TOTAL	165	171

¹Excludes Long Beach and Pasadena.

²Count as of 12/20/2012. Total for 2012 was 174.

2013 WEST NILE VIRUS ACTIVITY LOS ANGELES COUNTY



Map courtesy of Los Angeles County West Vector Control