

West Nile Virus and Other Arboviral Diseases



Los Angeles County Epidemiology Final Report 2023

March 15, 2024

- In 2023, the Los Angeles County Department of Public Health (LAC DPH) documented 70 West Nile virus (WNV) human cases and 3 deaths* (Table 1). Of 70 cases, 62 were symptomatic infections with the last onset in 2023 occurring on 11/03/2023. The San Fernando Valley contributed the most cases (39%). LAC accounted for 17% of the state WNV burden and 3% of the national burden of clinical cases ([California](#) = 425, [USA](#) = 2,406)¹. For more information about past WNV seasons in LAC, visit the [ACDC WNV webpage](#).
- In 2023, there were no cases of St. Louis Encephalitis Virus (SLEV) reported in LAC*. There were 13 human cases of SLEV reported in [California](#), including one case confirmed by the city of [Long Beach Department of Health and Human Services](#) (LBDHHS).
- In 2023, there were no cases of locally-acquired dengue identified in LAC*. However, two locally-acquired cases were reported in the neighboring city jurisdictions of Pasadena and Long Beach. On October 20th, 2023, the [Pasadena Public Health Department](#) reported a case of dengue in a resident with no history of travel outside of LAC. Shortly after, on November 1st, 2023, the [LBDHHS](#) reported a case of locally-acquired dengue. The *Aedes* mosquitoes that spread dengue are not native to California, but since their arrival in 2011, they can be found in most parts of the county. For more information about the current situation in LAC, visit the [ACDC Dengue webpage](#).

*Excludes data from Pasadena Public Health and Long Beach Department of Health and Human Services

¹Final 2023 WNV case counts for state and nation are not yet available.

Table 1. Characteristics of WNV Cases, LAC, 2022-2023

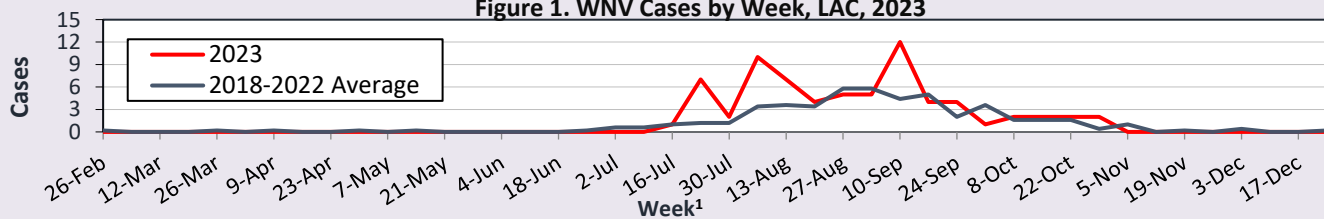
Number of Cases	Asymptomatic ¹	Clinical Presentation				Hospitalized	Deaths	Demographics	
		WNV Fever	Neuroinvasive Disease	Neuroinvasive Diagnosis				Gender M/F	Median Age (Range)
2023	70	8	57	36 = Encephalitis 19 = Meningitis 2 = AFP ²	61	3	42/28	61 (20-93)	
2022	64	6	43	34 = Encephalitis 3 = Meningitis 6 = AFP ²	50	0	39/24 ³	62 (24-85)	

¹Asymptomatic cases identified in blood or organ donors or others as part of screening protocols.

²Acute Flaccid Paralysis

³Gender unknown for 1 case

Figure 1. WNV Cases by Week, LAC, 2023



¹Symptomatic cases listed by onset date and asymptomatic listed by specimen collection date

Table 2. Cities and Unincorporated Areas of Residence with Reported WNV Infections LAC, 2023

Altadena	Glendora	Rowland Heights
Agua Dulce	La Verne	San Fernando
Bellflower	Lancaster	Santa Clarita
Burbank	Los Angeles	Signal Hill
Claremont	Maywood	Torrance
Covina	Norwalk	West Covina
Diamond Bar	Palmdale	West Hollywood
Downey	Rosemead	Whittier

For Additional Information



Visit www.socalmosquito.org or call 2-1-1 to report problems to your local mosquito control district



To receive weekly reports email: ACDC2@ph.lacounty.gov
Acute Communicable Disease Control (213) 240-7941
www.publichealth.lacounty.gov/acd/VectorWestNile.htm

Follow us on social media!



www.facebook.com/lapublichealth



www.twitter.com/lapublichealth



www.youtube.com/lapublichealth



[@lapublichealth](https://www.instagram.com/lapublichealth)