

# West Nile Virus and Other Arboviral Diseases

## Los Angeles County Epidemiology Report #5

December 4, 2020



- In 2020 to date, the Los Angeles County Department of Public Health (LAC DPH) has documented 71 West Nile virus (WNV) human cases (Table 1). Of those, 66 were symptomatic with the most recent onset occurring 10/7/20, and 5 were fatal. All fatalities occurred in patients over 50 years old and with underlying conditions. The new cases investigated since the last report on 11/6/20 reside in widespread areas of the county (Table 2).
- Although additional human cases may be identified through the end of the year, environmental surveillance suggests that WNV circulation in LAC is declining as colder weather approaches.
- To date in 2020, the California Department of Public Health has [reported](#) 184 symptomatic human cases in the state. Nationally, 481 symptomatic human cases have been [reported](#) to the Centers for Disease Control and Prevention.
- This will be the last monthly report for the season. The final 2020 epidemiology report will be issued in early 2021.

**Table 1. Characteristics of WNV Cases, LAC, 2020**

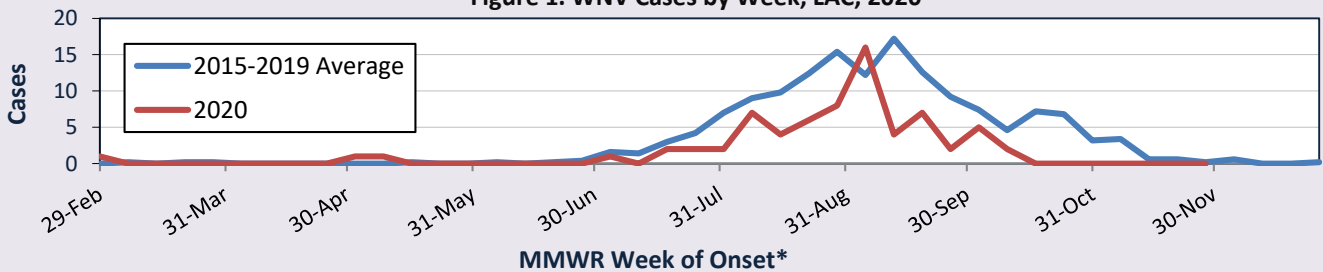
| Number of Cases <sup>1</sup> |    | Asymptomatic Donor <sup>2</sup> | Clinical Presentation |                       |  | Hospitalized | Deaths | Demographics |                    |
|------------------------------|----|---------------------------------|-----------------------|-----------------------|--|--------------|--------|--------------|--------------------|
|                              |    |                                 | WNV Fever             | Neuroinvasive Disease | Neuroinvasive Diagnosis                                      |              |        | Gender M/F   | Median Age (Range) |
| New Cases                    | 11 | 2                               | 0                     | 9                     | 7 = Encephalitis<br>2 = Meningitis<br>0 = AFP <sup>3</sup>   | 9            | 1      | 6/5          | 65 (17-83)         |
| 2020 to Date                 | 71 | 5                               | 12                    | 54                    | 40 = Encephalitis<br>12 = Meningitis<br>2 = AFP <sup>3</sup> | 62           | 5      | 45/26        | 63 (17-90)         |

<sup>1</sup>Count confirmed by LAC DPH as of 12/2/20. Excludes reports from Long Beach and Pasadena.

<sup>2</sup>Asymptomatic cases identified in blood or organ donors as part of routine screening.

<sup>3</sup>Acute Flaccid Paralysis

**Figure 1. WNV Cases by Week, LAC, 2020**



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

**Table 2. Cities and Unincorporated Areas of Residence with Reported WNV Infections LAC, 2020\***

|                 |                 |
|-----------------|-----------------|
| Burbank         | Palmdale        |
| Carson          | Pico Rivera     |
| Cerritos        | Rosemead        |
| Compton         | Rowland Heights |
| Huntington Park | Santa Clarita   |
| Inglewood       | South Gate      |
| Lancaster       | Torrance        |
| Los Angeles     | West Hollywood  |
| Lynwood         | Whittier        |
| Maywood         |                 |

\*Excluding Long Beach and Pasadena

**For Additional Information**



Visit [www.socalmosquito.org](http://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](mailto:ACDC2@ph.lacounty.gov)  
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[www.publichealth.lacounty.gov/acd/VectorWestNile.htm](http://www.publichealth.lacounty.gov/acd/VectorWestNile.htm)

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