This week, the Los Angeles County Department of Public Health (LAC DPH) documented 1 new West Nile virus (WNV) human case in the San Fernando Valley and two fatalities (Table 1). Both fatalities were previously reported elderly patients who died due to neuro-invasive WNV infection and resided in the Metro and San Fernando Valley regions of the county.

The number of infections identified this season has been below the previous 5-year average (Figure 1). However, additional cases are expected to occur through the end of the year. Mosquito pools continue to test positive in some areas of LAC.

The California Department of Public Health has reported 185 human cases and 5 deaths in the state. Nationally, 834 symptomatic human cases and 43 deaths have been reported to the Centers for Disease Control and Prevention.

### Table 1. Characteristics of WNV Cases, LAC, 2019

<table>
<thead>
<tr>
<th>Number of Cases</th>
<th>Asymptomatic Donor</th>
<th>Clinical Presentation</th>
<th>Neuroinvasive Diagnosis</th>
<th>Hospitalized</th>
<th>Deaths</th>
<th>Demographics</th>
<th>Median Age (Range)</th>
</tr>
</thead>
<tbody>
<tr>
<td>This Week</td>
<td>1</td>
<td>0</td>
<td>WNV Fever = 0</td>
<td>Neuroinvasive Disease = 1</td>
<td>0</td>
<td>= Encephalitis 1</td>
<td>= Meningitis 0</td>
</tr>
<tr>
<td>Year Total</td>
<td>26</td>
<td>0</td>
<td>WNV Fever = 5</td>
<td>Neuroinvasive Disease = 21</td>
<td>13</td>
<td>= Encephalitis 0</td>
<td>= Meningitis 8</td>
</tr>
</tbody>
</table>

1Count confirmed by LAC DPH as of 11/7/19. Excludes reports from Long Beach and Pasadena. Totals are provisional and subject to change.

2Acute Flaccid Paralysis

### Figure 1. WNV Cases by Week, LAC, 2019

**Table 2. Cities of Residence with Reported WNV Infections LAC, 2019**

- Beverly Hills
- Claremont
- Hawthorne
- Inglewood
- La Mirada
- Lakewood
- Lomita
- Los Angeles
- Malibu
- Santa Clarita
- Torrance
- West Hollywood

*Excluding Long Beach and Pasadena

### Dengue Listed as One of Top 10 Global Health Threats in 2019

The World Health Organization’s list of the top 10 global health issues demanding attention in 2019 includes dengue, global influenza pandemic, and HIV. An estimated 40% of the world is at risk of dengue, and there are around 390 million infections per year. The New England Journal of Medicine recently published a research article on the efficacy of a new vaccine against all four dengue serotypes for children and adolescents.

### What Animal Kills the Most People Worldwide?

The mosquito kills more people than:

- sharks
- hippos
- crocodiles
- snakes

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

To receive weekly reports email: ACDC2@ph.lacounty.gov

www.publichealth.lacounty.gov/acd/VectorWestNile.htm