

## California Arbovirus Surveillance Bulletin #3

Week 18 Friday, May 2, 2025



### WEEKLY UPDATE

#### **Humans**

No human infections have been reported in 2025.

#### **Dead Birds**

A single (1) new West Nile virus (WNV) positive dead bird was reported this week from 1 county: Santa Clara (1). In 2025, a total of 8 WNV positive dead birds have been reported from 2 counties. At this time last year, 14 WNV positive dead birds had been reported from 5 counties.

#### **Mosquito Pools**

No WNV positive mosquito pools have been reported in 2025. At this time last year, 1 WNV positive mosquito pool had been reported from 1 county.

#### **Sentinel Chickens**

No seroconversions have been reported in 2025.

<b>2024 &amp; 2025 YTD West Nile Virus Comparisons</b>		
	<b>2024</b>	<b>2025</b>
Total No. Dead Bird Reports	1,020	2,462
No. Positive Counties	5	2
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	14 / 132	8 / 176
No. Positive Mosquito Pools / No. Tested	1 / 3,246	0 / 3,715
No. Seroconversions / No. Tested	0 / 8	0 / 35

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YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			4		
Santa Clara			4		
<b>Totals</b>			<b>8</b>		

### TESTING SUMMARIES

		WNV	SLEV	WEEV
<b>Human Cases</b>	Week	0	0	0
	YTD	0	0	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
<b>Dead Birds</b>	Week	1 / 22					
	YTD	8 / 176					
<b>Chicken Sera</b>	Week	0 / 35	0 / 35	0 / 35			
	YTD	0 / 35	0 / 35	0 / 35			
<b>Mosquito Pools</b>	Week	0 / 467	0 / 467	0 / 467	0 / 0	0 / 0	0 / 0
	YTD	0 / 3,715	0 / 3,504	0 / 3,504	0 / 3	0 / 3	0 / 3

### POSITIVES

#### Dead birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	4/23/2025	WNV

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### TEST PROTOCOLS

#### **Humans:**

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing with a plaque reduction neutralization test (PRNT).

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#### **Dead Birds**

Oral swab samples collected from bird carcasses are tested at the UC Davis Arbovirus Research and Training laboratory (DART) or at a local agency for West Nile virus by RT-qPCR.

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#### **Sentinel Chickens:**

Dried blood spot samples from sentinel chickens are tested at the California Department of Public Health Vector-Borne Disease Laboratory for IgG antibodies to West Nile, St. Louis encephalitis, and western equine encephalomyelitis viruses by an EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

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#### **Mosquito Pools:**

Mosquito pools are tested at DART or at a local agency for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex RT-qPCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested at DART for chikungunya, dengue, and Zika viral RNA by a separate RT-qPCR.

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*Website Information:* For updated information on WNV in California, please visit the California WNV website, <https://westnile.ca.gov>, or the California Vector-Borne Disease Surveillance System website, <https://maps.vectorsurv.org>.

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