

## California Arbovirus Surveillance Bulletin #6

Week 21 Friday, May 23, 2025



### WEEKLY UPDATE

#### Humans

No human infections have been reported in 2025.

#### Dead Birds

There were no new West Nile virus (WNV) positive dead birds reported this week. In 2025, a total of 13 WNV positive dead birds have been reported from 3 counties. At this time last year, 15 WNV positive dead birds had been reported from 5 counties.

#### Mosquito Pools

A total of 4 WNV positive mosquito pools were reported from 2 counties: San Bernardino (1) and Tulare (3). **This is the first detection of WNV activity in San Bernardino County this year.** In 2025, a total of 8 WNV positive mosquito pools have been reported from 3 counties. At this time last year, 12 WNV positive mosquito pools had been reported from 5 counties.

#### Sentinel Chickens

No seroconversions have been reported in 2025.

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	1,656	3,229
No. Positive Counties	8	6
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	15 / 315	13 / 349
No. Positive Mosquito Pools / No. Tested	12 / 6,055	8 / 6,386
No. Seroconversions / No. Tested	0 / 334	0 / 341

## California Arbovirus Surveillance Bulletin #6

Week 21 Friday, May 23, 2025

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Riverside				1	
San Bernardino				1	
San Diego			2		
Santa Clara			6		
Tulare				6	
<b>Totals</b>			<b>13</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	0 / 100					
	YTD	13 / 349					
<b>Chicken Sera</b>	Week	0 / 165	0 / 165	0 / 165			
	YTD	0 / 341	0 / 341	0 / 341			
<b>Mosquito Pools</b>	Week	4 / 1,109	0 / 1,109	0 / 1,109	0 / 2	0 / 2	0 / 2
	YTD	8 / 6,386	0 / 6,175	0 / 6,175	0 / 12	0 / 12	0 / 12

### POSITIVES

#### Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
San Bernardino	SANB 195	117	Cx quinquefasciatus	Colton	50	GRVD	05/15/2025	WNV
Tulare	DLTA 509469	645	Cx. quinquefasciatus	Visalia	24	BGSENT	5/15/2025	WNV
Tulare	DLTA 509534	663	Cx. quinquefasciatus	Visalia	40	GRVD	5/16/2025	WV
Tulare	DLTA 509938	730	Cx. quinquefasciatus	Visalia	15	GRVD	5/20/2025	WNV

## California Arbovirus Surveillance Bulletin #6

Week 21 Friday, May 23, 2025

### 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).

---

#### **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.

---

#### **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.

---

#### **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.

---

---

*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>.

*Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Hannah Romo: [Hannah.romo@cdph.ca.gov](mailto:Hannah.romo@cdph.ca.gov)*