

## California Arbovirus Surveillance Bulletin #7

Week 22 Friday, May 30, 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, 17 WNV positive dead birds had been reported from 5 counties.

#### Mosquito Pools

A total of 25 new WNV positive mosquito pools were reported from 1 county: Tulare (25). In 2025, a total of 33 WNV positive mosquito pools have been reported from 3 counties. At this time last year, 25 WNV positive mosquito pools had been reported from 6 counties.

#### Sentinel Chickens

No seroconversions have been reported in 2025.

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	1,869	3,542
No. Positive Counties	9	6
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	17 / 369	13 / 486
No. Positive Mosquito Pools / No. Tested	25 / 7,024	33 / 7,720
No. Seroconversions / No. Tested	0 / 563	0 / 375

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				31	
<b>Totals</b>			<b>13</b>	<b>33</b>	

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### TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	0	0	0
	YTD	0	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	0 / 137
	YTD	13 / 486

Chicken Sera	Week	0 / 34	0 / 34	0 / 34
	YTD	0 / 375	0 / 375	0 / 375

Mosquito Pools	Week	25 / 810	0 / 780	0 / 780	0 / 0	0 / 0	0 / 0
	YTD	33 / 7,720	0 / 7,158	0 / 7,158	0 / 17	0 / 17	0 / 17

### POSITIVES

#### Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Tulare	DLTA 509729	809	Cx quinquefasciatus	Visalia	17	BGSENT	5/21/2025	WNV
Tulare	DLTA 509495	823	Cx quinquefasciatus	Visalia	20	GRVD	5/22/2025	WNV
Tulare	DLTA 509298	842	Cx tarsalis	Visalia	13	BGSENT	5/22/2025	WNV
Tulare	DLTA 509902	844	Cx quinquefasciatus	Visalia	21	GRVD	5/22/2025	WNV
Tulare	DLTA 509935	868	Cx quinquefasciatus	Visalia	50	BGSENT	5/22/2025	WNV
Tulare	DLTA 509469	906	Cx quinquefasciatus	Visalia	3	GRVD	5/24/2025	WNV
Tulare	DLTA 509534	907	Cx quinquefasciatus	Visalia	44	BGSENT	5/24/2025	WNV
Tulare	DLTA 509412	914	Cx quinquefasciatus	Visalia	32	GRVD	5/24/2025	WNV
Tulare	DLTA 509930	916	Cx quinquefasciatus	Visalia	6	BGSENT	5/24/2025	WNV
Tulare	DLTA 509932	917	Cx quinquefasciatus	Visalia	38	GRVD	5/24/2025	WNV
Tulare	DLTA 509391	918	Cx tarsalis	Visalia	9	BGSENT	5/24/2025	WNV
Tulare	DLTA 512166	923	Cx quinquefasciatus	Visalia	8	GRVD	5/24/2025	WNV
Tulare	DLTA 509938	932	Cx quinquefasciatus	Visalia	8	GRVD	5/25/2025	WNV
Tulare	DLTA 509896	940	Cx quinquefasciatus	Visalia	13	BGSENT	5/28/2025	WNV
Tulare	DLTA 509938	941	Cx quinquefasciatus	Visalia	16	BGSENT	5/28/2025	WNV
Tulare	DLTA 509416	944	Cx quinquefasciatus	Visalia	43	BGSENT	5/28/2025	WNV
Tulare	DLTA 509467	958	Cx quinquefasciatus	Visalia	20	BGSENT	5/28/2025	WNV
Tulare	DLTA 509458	965	Cx quinquefasciatus	Visalia	14	GRVD	5/28/2025	WNV
Tulare	DLTA 509412	977	Cx quinquefasciatus	Visalia	46	GRVD	5/28/2025	WNV
Tulare	DLTA 509905	993	Cx quinquefasciatus	Visalia	18	GRVD	5/29/2025	WNV
Tulare	DLTA 509495	997	Cx quinquefasciatus	Visalia	14	GRVD	5/29/2025	WNV
Tulare	DLTA 509902	1008	Cx quinquefasciatus	Visalia	26	GRVD	5/29/2025	WNV
Tulare	DLTA 509391	1013	Cx quinquefasciatus	Visalia	30	GRVD	5/29/2025	WNV
Tulare	DLTA 509298	1015	Cx quinquefasciatus	Visalia	23	GRVD	5/29/2025	WNV
Tulare	DLTA 509965	1020	Cx quinquefasciatus	Visalia	10	GRVD	5/29/2025	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>.

*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)*