

## California Arbovirus Surveillance Bulletin #8

Week 21 Friday, May 29, 2026



### WEEKLY UPDATE

#### Humans

No human infections have been reported in 2026.

#### Dead Birds

A total of 7 new West Nile Virus (WNV) positive dead birds were reported this week from 4 counties: Los Angeles (2), San Bernardino (1), San Diego (2), and Santa Clara (2). **This is the first WNV positive dead bird from San Bernardino County this year.** In 2026, 14 WNV positive dead birds have been reported from 8 counties: Alameda (1), Fresno (1), Los Angeles (3), Sacramento (1), San Bernardino (1), San Diego (3), Santa Clara (3), and Ventura (1). At this time last year, 13 WNV positive dead birds had been reported from 3 counties.

#### Mosquito Pools

##### West Nile virus

A total of 5 new WNV positive mosquito pools were reported from 2 counties: Los Angeles (3) and Riverside (2). **This is the first detection of WNV activity in Riverside County this year.** In 2026, 10 WNV positive mosquito pools have been reported from 4 counties: Los Angeles (6), Riverside (2), Sacramento (1), and San Bernardino (1). At this time last year, 33 WNV positive mosquito pools had been reported from 3 counties.

##### St. Louis encephalitis virus

No new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week. In 2026, a single (1) SLEV positive mosquito pool has been reported from 1 county: Riverside (1). At this time last year, no SLEV positive mosquito pools had been reported.

#### Sentinel Chickens

No seroconversions have been reported in 2026.

2025 & 2026 YTD West Nile Virus Comparisons		
	2025	2026
Total No. Dead Bird Reports	3,542	2,620
No. Positive Counties	6	9
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	13 / 486	14 / 399
No. Positive Mosquito Pools / No. Tested	33 / 7,720	10 / 11,631
No. Seroconversions / No. Tested	0 / 375	0 / 397

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YTD WNV Activity by Element and County, 2026					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			1		
Fresno			1		
Los Angeles			3	6	
Riverside				2	
Sacramento			1	1	
San Bernardino			1	1	
San Diego			3		
Santa Clara			3		
Ventura			1		
Totals			14	10	

### 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	7 / 85					
	YTD	14 / 399					
<b>Chicken Sera</b>	Week	0 / 79	0 / 79	0 / 79			
	YTD	0 / 397	0 / 397	0 / 397			
<b>Mosquito Pools</b>	Week	5 / 878	0 / 878	0 / 878	0 / 28	0 / 28	0 / 28
	YTD	10 / 11,631	1 / 11,537	0 / 11,537	0 / 145	0 / 145	0 / 145

### POSITIVES

#### Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Los Angeles	Greater Los Angeles Co VCD - Sylmar	San Fernando	91340	American Crow	5/18/2026	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Lakewood	90713	American Crow	5/20/2026	WNV
San Bernardino	San Bernardino Vector Control Program	Victorville	92395	American Crow	5/21/2026	WNV
San Diego	San Diego Co VCP	San Diego	92115	American Crow	5/18/2026	WNV
San Diego	San Diego Co VCP	San Diego	92114	American Crow	5/21/2026	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95129	American Crow	5/21/2026	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	5/26/2026	WNV

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### Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Los Angeles	GRLA 2950	5321	Cx quinquefasciatus	Sunland	50	GRVD	05/22/2026	WNV
Los Angeles	GRLA 2955	300	Cx quinquefasciatus	Cerritos	50	GRVD	05/21/2026	WNV
Los Angeles	GRLA 2957	314	Cx quinquefasciatus	Hawaiian Gardens	50	GRVD	05/22/2026	WNV
Riverside	COAV 58	2804	Cx tarsalis	North Shore	50	CO2	05/29/2026	WNV
Riverside	COAV 58	2856	Cx tarsalis	North Shore	50	CO2	05/27/2026	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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