California Arbovirus Surveillance Bulletin #32

Week 45 Friday, November 13, 2026



WEEKLY UPDATE

Humans

West Nile virus

A total of 31 new human cases of West Nile Virus (WNV) were reported this week in 5 counties: Los Angeles (22), Orange (5), San Bernardino (2), San Diego (1), and San Joaquin (1). In 2026, 560 cases of WNV disease have been reported from 24 counties. Of the 560 case patients, 475 (85%) had neuroinvasive disease and 35 (6.2%) were fatal. The median age of case patients was 66 years and 368 (66%) of the case patients were male. The dates of symptom onset ranged from June 8 to October 25. In addition to the 560 cases of WNV disease, 29 asymptomatic WNV infections have been reported from 12 counties: Fresno (3), Kern (1), Los Angeles (9), Madera (1), Orange (3), Sacramento (1), San Diego (6), Santa Clara (1), Santa Cruz (1), Shasta (1), Tulare (1), and Yolo (1). At this time last year, 92 human cases of WNV disease had been reported from 20 counties.

St. Louis encephalitis virus

There were no new human cases of St. Louis encephalitis virus (SLEV) reported this week. In 2026, 1 human case of SLEV has been reported from 1 county. At this time last year, no human cases of SLEV had been reported.

Dead Birds

A total of 6 new WNV positive dead birds were reported this week from 2 counties: Riverside (3), and San Diego (3). In 2026, 792 WNV positive dead birds have been reported from 25 counties. At this time last year, 151 WNV positive dead birds had been reported from 21 counties.

Mosquito Pools

West Nile virus

A total of 21 new WNV positive mosquito pools were reported this week from 4 counties: Los Angeles (9), Riverside (2), San Bernardino (2), and San Diego (8). In 2026, 4,168 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,750 WNV positive mosquito pools had been reported from 27 counties.

St. Louis encephalitis virus

No new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week. In 2026, a total of 11 SLEV positive mosquito pools have been reported from 4 counties. At this time last year, 105 SLEV positive mosquito pools had been reported from 3 counties.

Sentinel Chickens

There were no new WNV positive sentinel chickens reported this week. In 2026, 149 WNV positive sentinel chickens have been reported from 11 counties. At this time last year, 63 WNV positive chickens had been reported from 8 counties.

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2025 & 2026 YTD West Nile Virus Comparisons		
	2025	**2026**
Total No. Dead Bird Reports	7,313	10,127
No. Positive Counties	36	39
No. Human Cases	92	560
No. Positive Dead Birds / No. Tested	151 / 1,630	792 / 2,326
No. Positive Mosquito Pools / No. Tested	2,750 / 51,121	4,168 / 57,910
No. Seroconversions / No. Tested	63 / 3,968	149 / 3,887

YTD WNV Activity by Element and County, 2026					
County	**Humans***	**Horses**	**Dead Birds**	**Mosquito Pools**	**Sentinel Chickens**
Alameda			39	10	
Amador		2			
Butte	13		1	39	31
Calaveras					2
Colusa				1	5
Contra Costa	1	1	15	2	2
El Dorado		1	1		
Fresno	25	1	3	144	
Glenn	6			1	
Imperial				7	
Kern	10			128	
Kings	11	1		83	
Lake				5	3
Los Angeles	326		165	831	62
Madera	3		3	536	
Merced	3	1	2	87	
Napa			1		
Orange	71		120	918	
Placer	2	1	9	112	
Riverside	7		18	83	
Sacramento	12	2	107	123	
San Bernardino	6		20	151	
San Diego	11		104	123	
San Joaquin	9	1	14	174	
San Luis Obispo	1	1			
San Mateo			10		
Santa Clara	2		122	5	
Shasta		2		19	4
Siskiyou		1			
Solano			2	10	
Sonoma			1		
Stanislaus	14	1	1	157	
Sutter	4	1	3	19	19
Tehama					7
Tulare	12			308	9
Tuolumne	1				
Ventura			7	1	
Yolo	7		20	85	
Yuba	3		4	6	5
Totals	**560**	**17**	**792**	**4,168**	**149**

**Asymptomatic infections are not included*

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	31	0	0
	YTD	560	1	0

		Positive / Total Tested					
		WNV	**SLEV**	**WEEV**	**CHIK**	**DENV**	**ZIKA**
Dead Birds	Week	6 / 20					
	YTD	792 / 2,326					
Chicken Sera	Week	0 / 18	0 / 18	0 / 18			
	YTD	149 / 3,887	0 / 3,887	0 / 3,887			
Mosquito Pools	Week	21 / 611	0 / 328	0 / 328	0 / 30	0 / 30	0 / 30
	YTD	4,168 / 57,910	11 / 48,096	0 / 48,061	0 / 2,523	0 / 2,523	0 / 2,523

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Riverside	Northwest Mosquito VCD	Corona	92878	Yellow-rumped Warbler	10/24/2026	WNV
Riverside	Northwest Mosquito VCD	Eastvale	92880	American Crow	10/28/2026	WNV
Riverside	Northwest Mosquito VCD	Eastvale	92880	American Crow	11/03/2026	WNV
San Diego	San Diego Co VCP	San Diego	92110	American Crow	11/03/2026	WNV
San Diego	San Diego Co VCP	San Diego	92110	American Crow	11/03/2026	WNV
San Diego	San Diego Co VCP	San Diego	92120	American Crow	11/04/2026	WNV

Mosquito Pool

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Los Angeles	GRLA 2081	1026	Cx quinquefasciatus	Lynwood	50	GRVD	11/05/2026	WNV
Los Angeles	GRLA 2149	1041	Cx quinquefasciatus	Long Beach	25	CO2	11/06/2026	WNV
Los Angeles	GRLA 2574	6051	Cx quinquefasciatus	Sherman Oaks	50	GRVD	11/04/2026	WNV
Los Angeles	GRLA 2890	1038	Cx quinquefasciatus	Lakewood	50	GRVD	11/06/2026	WNV
Los Angeles	GRLA 2937	6048	Cx quinquefasciatus	Burbank	50	GRVD	11/03/2026	WNV
Los Angeles	GRLA 3056	1029	Cx quinquefasciatus	Cudahy	50	GRVD	11/05/2026	WNV
Los Angeles	GRLA 3078	6044	Cx quinquefasciatus	Los Feliz	50	GRVD	11/03/2026	WNV
Los Angeles	LACW 1009	1965	Cx quinquefasciatus	Los Angeles	38	BGPRO-EVS	11/03/2026	WNV
Los Angeles	SGVA 479	955	Cx quinquefasciatus	Altadena	50	GRVD	11/10/2026	WNV
Riverside	NWST 159	882	Cx quinquefasciatus	Riverside	50	BGSENT	11/03/2026	WNV
Riverside	NWST 608	931	Cx quinquefasciatus	Riverside	31	BGSENT	11/10/2026	WNV
San Bernardino	SANB 0	472	Cx quinquefasciatus	San Bernardino	32	GRVD	11/05/2026	WNV
San Bernardino	WVAL 412	3556	Cx quinquefasciatus	Chino	16	BGSENT	11/10/2026	WNV
San Diego	SAND 25445	21693	Cx quinquefasciatus	Coronado	13	GRVD	11/03/2026	WNV

San Diego	SAND 25447	21597	Cx quinquefasciatus	Coronado	35	GRVD	10/27/2026	WNV
San Diego	SAND 25556	21660	Cx quinquefasciatus	San Diego	21	GRVD	10/30/2026	WNV
San Diego	SAND 25770	21642	Cx quinquefasciatus	San Diego	1	GRVD	10/30/2026	WNV
San Diego	SAND 25770	21645	Cx quinquefasciatus	San Diego	11	GRVD	10/30/2026	WNV
San Diego	SAND 25834	21601	Cx quinquefasciatus	San Diego	2	GRVD	10/27/2026	WNV
San Diego	SAND 25855	21649	Cx quinquefasciatus	San Diego	8	GRVD	10/30/2026	WNV
San Diego	SAND 25857	21623	Cx quinquefasciatus	Chula Vista	18	GRVD	10/30/2026	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).

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.

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