California Arbovirus Surveillance Bulletin #31

Week 44 Friday, November 6, 2026



WEEKLY UPDATE

Humans

West Nile virus

A total of 27 new human cases of West Nile Virus (WNV) were reported this week in 8 counties: Los Angeles (11), Madera (1), Orange (7), Riverside (1), San Bernardino (1), San Diego (4), San Joaquin (1), and Tulare (1). In 2026, 528 cases of WNV disease have been reported from 23 counties. Of the 528 case patients, 450 (85%) had neuroinvasive disease and 32 (6.1%) were fatal. The median age of case patients was 66 years and 344 (65%) of the case patients were male. The dates of symptom onset ranged from June 8 to October 25. In addition to the 528 cases of WNV disease, 28 asymptomatic WNV infections have been reported from 12 counties: Fresno (3), Kern (1), Los Angeles (9), Madera (1), Orange (2), Sacramento (1), San Diego (6), Santa Clara (1), Santa Cruz (1), Shasta (1), Tulare (1), and Yolo (1). At this time last year, 85 human cases of WNV disease had been reported from 19 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 14 new WNV positive dead birds were reported this week from 4 counties: Orange (1), San Bernardino (1), San Diego (11), and Santa Clara (1). In 2026, 786 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 49 new WNV positive mosquito pools were reported this week from 4 counties: Los Angeles (27), Orange (16), San Bernardino (1), and San Diego (5). In 2026, 4,147 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,730 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, 61 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	7,236	9,983
No. Positive Counties	35	39
No. Human Cases	85	528
No. Positive Dead Birds / No. Tested	151 / 7,236	786 / 2,306
No. Positive Mosquito Pools / No. Tested	2,730 / 50,203	4,147 / 57,299
No. Seroconversions / No. Tested	61 / 3,853	149 / 3,869

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	304		165	822	62
Madera	3		3	536	
Merced	3	1	2	87	
Napa			1		
Orange	66		120	918	
Placer	2	1	9	112	
Riverside	7		15	81	
Sacramento	12	2	107	123	
San Bernardino	4		20	149	
San Diego	10		101	115	
San Joaquin	8	1	14	174	
San Luis Obispo		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	**528**	**17**	**786**	**4,147**	**149**

**Asymptomatic infections are not included*

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	27	0	0
	YTD	528	1	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
Dead Birds	Week	14 / 29					
	YTD	786 / 2,306					
Chicken Sera	Week	0 / 115	0 / 115	0 / 115			
	YTD	149 / 3,869	0 / 3,869	0 / 3,869			
Mosquito Pools	Week	49 / 971	0 / 517	0 / 517	0 / 79	0 / 79	0 / 79
	YTD	4,147 / 57,299	11 / 47,485	0 / 47,450	0 / 2,436	0 / 2,436	0 / 2,436

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Orange	Orange Co VCD	Laguna Niguel	92677	American Crow	10/29/2026	WNV
San Bernardino	West Valley MVCD	Ontario	91764	American Crow	10/29/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92110	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92109	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	11/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92102	American Crow	11/02/2026	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	10/28/2026	WNV

Mosquito Pool

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Los Angeles	GRLA 2166	1015	Cx quinquefasciatus	Montebello	50	GRVD	10/27/2026	WNV
Los Angeles	GRLA 2323	1013	Cx quinquefasciatus	East Los Angeles	50	GRVD	10/27/2026	WNV
Los Angeles	GRLA 2614	6021	Cx quinquefasciatus	Santa Clarita	12	GRVD	10/27/2026	WNV
Los Angeles	GRLA 3039	6025	Cx quinquefasciatus	Hollywood Hills	34	GRVD	10/27/2026	WNV
Los Angeles	GRLA 3071	1010	Cx quinquefasciatus	East Los Angeles	33	GRVD	10/27/2026	WNV
Los Angeles	GRLA 3084	1011	Cx quinquefasciatus	Commerce	50	GRVD	10/27/2026	WNV
Los Angeles	LACW 1049	1945	Cx quinquefasciatus	Inglewood	41	GRVD	10/29/2026	WNV

Los Angeles	SGVA 1006	941	Cx quinquefasciatus	Walnut	50	GRVD	11/04/2026	WNV
Los Angeles	SGVA 1071	916	Cx quinquefasciatus	Monterey Park	42	GRVD	11/04/2026	WNV
Los Angeles	SGVA 1076	934	Cx quinquefasciatus	Pomona	49	GRVD	11/03/2026	WNV
Los Angeles	SGVA 1190	906	Cx quinquefasciatus	Pasadena	50	GRVD	10/29/2026	WNV
Los Angeles	SGVA 15	926	Cx quinquefasciatus	Glendora	39	GRVD	11/03/2026	WNV
Los Angeles	SGVA 1663	911	Cx quinquefasciatus	Duarte	50	GRVD	10/29/2026	WNV
Los Angeles	SGVA 1714	946	Cx quinquefasciatus	Pasadena	34	GRVD	11/05/2026	WNV
Los Angeles	SGVA 1715	947	Cx quinquefasciatus	Pasadena	43	GRVD	11/05/2026	WNV
Los Angeles	SGVA 1717	949	Cx quinquefasciatus	Pasadena	31	GRVD	11/05/2026	WNV
Los Angeles	SGVA 1718	943	Cx quinquefasciatus	Pasadena	8	GRVD	11/05/2026	WNV
Los Angeles	SGVA 1719	928	Cx quinquefasciatus	Pasadena	33	GRVD	11/04/2026	WNV
Los Angeles	SGVA 338	929	Cx quinquefasciatus	Pasadena	45	GRVD	11/04/2026	WNV
Los Angeles	SGVA 385	913	Cx quinquefasciatus	Arcadia	45	GRVD	10/29/2026	WNV
Los Angeles	SGVA 4	933	Cx quinquefasciatus	Arcadia	32	GRVD	11/03/2026	WNV
Los Angeles	SGVA 445	920	Cx quinquefasciatus	Rosemead	50	GRVD	11/04/2026	WNV
Los Angeles	SGVA 466	904	Cx quinquefasciatus	Pasadena	26	GRVD	10/29/2026	WNV
Los Angeles	SGVA 479	905	Cx quinquefasciatus	Altadena	26	GRVD	10/29/2026	WNV
Los Angeles	SGVA 482	910	Cx quinquefasciatus	Duarte	50	GRVD	10/29/2026	WNV
Los Angeles	SGVA 875	938	Cx quinquefasciatus	Walnut	40	GRVD	11/03/2026	WNV
Los Angeles	SGVA 898	932	Cx quinquefasciatus	San Gabriel	38	GRVD	11/03/2026	WNV
Orange	ORCO 1000	4726	Cx quinquefasciatus	Placentia	27	GRVD	10/27/2026	WNV
Orange	ORCO 1020	4630	Cx quinquefasciatus	Seal Beach	28	GRVD	10/20/2026	WNV
Orange	ORCO 1020	4660	Cx quinquefasciatus	Seal Beach	45	GRVD	10/20/2026	WNV
Orange	ORCO 1024	4718	Cx quinquefasciatus	Yorba Linda	29	GRVD	10/27/2026	WNV
Orange	ORCO 1024	4719	Cx quinquefasciatus	Yorba Linda	8	GRVD	10/27/2026	WNV
Orange	ORCO 1042	4702	Cx quinquefasciatus	Yorba Linda	44	GRVD	10/23/2026	WNV
Orange	ORCO 217	4971	Cx quinquefasciatus	Santa Ana	36	GRVD	11/05/2026	WNV
Orange	ORCO 227	4720	Cx quinquefasciatus	Brea	12	GRVD	10/27/2026	WNV
Orange	ORCO 329	4745	Cx quinquefasciatus	Fullerton	24	GRVD	10/27/2026	WNV
Orange	ORCO 330	4750	Cx quinquefasciatus	Fullerton	15	BGSENT	10/27/2026	WNV
Orange	ORCO 331	4645	Cx quinquefasciatus	Placentia	19	GRVD	10/20/2026	WNV
Orange	ORCO 343	4770	Cx quinquefasciatus	Orange	29	GRVD	10/27/2026	WNV
Orange	ORCO 356	4695	Cx quinquefasciatus	Costa Mesa	47	GRVD	10/21/2026	WNV
Orange	ORCO 364	4795	Cx quinquefasciatus	Garden Grove	33	GRVD	10/28/2026	WNV
Orange	ORCO 370	4631	Cx quinquefasciatus	Santa Ana	39	GRVD	10/20/2026	WNV
Orange	ORCO 370	4678	Cx quinquefasciatus	Santa Ana	48	BGSENT	10/20/2026	WNV
San Bernardino	WVAL 518	3449	Cx quinquefasciatus	Montclair	8	BGSENT	11/03/2026	WNV
San Diego	SAND 25649	21514	Cx quinquefasciatus	Coronado	1	GRVD	10/20/2026	WNV
San Diego	SAND 25768	21582	Cx quinquefasciatus	San Diego	17	GRVD	10/23/2026	WNV
San Diego	SAND 25770	21510	Cx quinquefasciatus	San Diego	9	GRVD	10/20/2026	WNV
San Diego	SAND 25819	21583	Cx quinquefasciatus	San Diego	13	GRVD	10/23/2026	WNV
San Diego	SAND 25821	21575	Cx quinquefasciatus	San Diego	14	GRVD	10/23/2026	WNV

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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