

California Arbovirus Surveillance Bulletin #29

Week 42 Friday, October 23, 2026



WEEKLY UPDATE

Humans

West Nile virus

A total of 74 new human cases of West Nile Virus (WNV) were reported this week in 6 counties: Fresno (2), Los Angeles (59), Orange (10), San Joaquin (1), Stanislaus (1), and Tulare (1). In 2026, 452 cases of WNV disease have been reported from 24 counties. Of the 452 case patients, 387 (86%) had neuroinvasive disease and 29 (6.4%) were fatal. The median age of case patients was 66 years and 296 (65%) of the case patients were male. The dates of symptom onset ranged from June 8 to October 5. In addition to the 452 cases of WNV disease, 24 asymptomatic WNV infections have been reported from 11 counties: Fresno (3), Kern (1), Los Angeles (8), Madera (1), Orange (1), San Diego (5), Santa Clara (1), Santa Cruz (1), Shasta (1), Tulare (1), and Yolo (1). At this time last year, 67 human cases of WNV disease had been reported from 15 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 19 new WNV positive dead birds were reported this week from 7 counties: Contra Costa (2), Los Angeles (2), San Bernardino (1), San Diego (9), San Mateo (1), Santa Clara (3), and Yuba (1). In 2026, 753 WNV positive dead birds have been reported from 25 counties. At this time last year, 148 WNV positive dead birds had been reported from 21 counties.

Mosquito Pools

West Nile virus

A total of 70 new WNV positive mosquito pools were reported from 8 counties: Butte (1), Los Angeles (41), Orange (15), Riverside (4), Sacramento (1), San Bernardino (1), San Diego (6), and San Joaquin (1). In 2026, 4,075 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,695 WNV positive mosquito pools had been reported from 27 counties.

St. Louis encephalitis virus

A single (1) new SLEV positive mosquito pool was reported from 1 county: Fresno (1). **This is the first detection of SLEV in Fresno County this year.** 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, 60 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	7,052	9,627
No. Positive Counties	33	39
No. Human Cases	67	452
No. Positive Dead Birds / No. Tested	148 / 1,591	753 / 2,238
No. Positive Mosquito Pools / No. Tested	2,695 / 48,203	4,075 / 55,624
No. Seroconversions / No. Tested	60 / 3,612	149 / 3,695

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	143	
Glenn	6			1	
Imperial				7	
Kern	10			128	
Kings	11	1		83	
Lake				5	3
Los Angeles	251		164	781	62
Madera	2		3	536	
Merced	2	1	2	87	
Napa			1		
Orange	57		119	902	
Placer	2	1	9	112	
Riverside	4		13	80	
Sacramento	12	2	107	123	
San Bernardino	3		19	141	
San Diego	6		75	110	
San Joaquin	7	1	14	174	
San Luis Obispo	1	1			
San Mateo			10		
Santa Clara	2		120	5	
Shasta		2		19	4
Siskiyou		1			
Solano			2	10	
Sonoma			1		
Stanislaus	12	1	1	157	
Sutter	4	1	3	19	19
Tehama					7
Tulare	10			308	9
Tuolumne	1				
Ventura			7	1	
Yolo	7		20	85	
Yuba	3		4	6	5
Totals	452	17	753	4,075	149

*Asymptomatic infections are not included

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	74	0	0
	YTD	452	1	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	19 / 64
	YTD	753 / 2,238

Chicken Sera	Week	0 / 82	0 / 82	0 / 82
	YTD	149 / 3,695	149 / 3,695	149 / 3,695

Mosquito Pools	Week	70 / 1,260	1 / 954	0 / 953	0 / 84	0 / 84	0 / 84
	YTD	4,075 / 55,624	11 / 46,159	0 / 46,123	0 / 2,173	0 / 2,173	0 / 2,173

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Contra Costa	Contra Costa MVCD	Brentwood	94513	American Crow	10/13/2026	WNV
Contra Costa	Contra Costa MVCD	Concord	94521	California Scrub-Jay	10/13/2026	WNV
Los Angeles	Los Angeles Co West VCD	Culver City	90232	Unknown - Crow or Raven	10/15/2026	WNV
Los Angeles	San Gabriel Valley MVCD	Pasadena	91104	Goldfinch	10/20/2026	WNV
San Bernardino	West Valley MVCD	Montclair	91763	American Crow	10/19/2026	WNV
San Diego	San Diego Co VCP	San Diego	92120	American Crow	10/14/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/15/2026	WNV
San Diego	San Diego Co VCP	San Diego	92106	American Crow	10/15/2026	WNV
San Diego	San Diego Co VCP	San Diego	92116	American Crow	10/15/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/16/2026	WNV
San Diego	San Diego Co VCP	San Diego	92101	American Crow	10/20/2026	WNV
San Diego	San Diego Co VCP	San Diego	92103	American Crow	10/20/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/20/2026	WNV
San Diego	San Diego Co VCP	San Diego	92120	American Crow	10/20/2026	WNV
San Mateo	San Mateo Co MVCD	East Palo Alto	94303	American Crow	10/07/2026	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	Dark-eyed Junco	10/12/2026	WNV
Santa Clara	Santa Clara Co VCD	Mountain View	94043	American Crow	10/16/2026	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94085	American Crow	10/16/2026	WNV
Yuba	Sutter-Yuba MVCD	Plumas Lake	95961	California Scrub-Jay	09/27/2026	WNV

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Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Butte	BUCO 141	522	Cx tarsalis	Oroville	50	CO2	10/07/2026	WNV
Fresno	CNSL 4302	374	Cx quinquefasciatus	Fowler	35	GRVD	10/14/2026	SLEV
Los Angeles	GRLA 2007	5976	Cx quinquefasciatus	Toluca Lake	50	GRVD	10/14/2026	WNV
Los Angeles	GRLA 2097	978	Cx quinquefasciatus	La Mirada	23	GRVD	10/16/2026	WNV
Los Angeles	GRLA 2228	973	Cx quinquefasciatus	Diamond Bar	50	GRVD	10/16/2026	WNV
Los Angeles	GRLA 2230	972	Cx quinquefasciatus	Diamond Bar	12	GRVD	10/16/2026	WNV
Los Angeles	GRLA 2465	5989	Cx quinquefasciatus	Los Feliz	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 2500	5985	Cx quinquefasciatus	Elysian Valley	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 2503	5986	Cx quinquefasciatus	Elysian Valley	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 2512	5991	Cx quinquefasciatus	Atwater Village	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 2521	5990	Cx quinquefasciatus	Los Feliz	46	GRVD	10/15/2026	WNV
Los Angeles	GRLA 2567	5994	Cx quinquefasciatus	Woodland Hills	36	BGSENT	10/15/2026	WNV
Los Angeles	GRLA 2724	5997	Cx quinquefasciatus	Winnetka	49	BGSENT	10/15/2026	WNV
Los Angeles	GRLA 2937	5993	Cx quinquefasciatus	Burbank	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 3042	974	Cx quinquefasciatus	Hacienda Heights	30	GRVD	10/16/2026	WNV
Los Angeles	GRLA 3053	970	Cx quinquefasciatus	Hacienda Heights	50	GRVD	10/16/2026	WNV
Los Angeles	GRLA 3074	957	Cx quinquefasciatus	Lincoln Heights	50	GRVD	10/14/2026	WNV
Los Angeles	GRLA 3078	5988	Cx quinquefasciatus	Los Feliz	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 3084	963	Cx quinquefasciatus	Commerce	50	GRVD	10/14/2026	WNV
Los Angeles	GRLA 3098	5987	Cx quinquefasciatus	Silver Lake	50	GRVD	10/15/2026	WNV
Los Angeles	GRLA 3102	5978	Cx quinquefasciatus	Studio City	50	GRVD	10/14/2026	WNV
Los Angeles	LACW 1012	1926	Cx quinquefasciatus	Venice	13	GRVD	10/13/2026	WNV
Los Angeles	SGVA 1071	861	Cx quinquefasciatus	Monterey Park	38	GRVD	10/20/2026	WNV
Los Angeles	SGVA 1148	875	Cx quinquefasciatus	Pomona	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 15	873	Cx quinquefasciatus	Glendora	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 24	838	Cx quinquefasciatus	Pasadena	32	GRVD	10/14/2026	WNV
Los Angeles	SGVA 291	859	Cx quinquefasciatus	El Monte	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 297	853	Cx quinquefasciatus	Monterey Park	48	GRVD	10/20/2026	WNV
Los Angeles	SGVA 34	846	Cx quinquefasciatus	Arcadia	50	GRVD	10/15/2026	WNV
Los Angeles	SGVA 4	881	Cx quinquefasciatus	Arcadia	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 400	864	Cx quinquefasciatus	Altadena	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 451	860	Cx quinquefasciatus	Glendora	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 458	872	Cx quinquefasciatus	Covina	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 466	839	Cx quinquefasciatus	Pasadena	29	GRVD	10/14/2026	WNV
Los Angeles	SGVA 466	863	Cx quinquefasciatus	Pasadena	31	GRVD	10/20/2026	WNV
Los Angeles	SGVA 469	868	Cx quinquefasciatus	Pomona	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 479	865	Cx quinquefasciatus	Altadena	37	GRVD	10/20/2026	WNV
Los Angeles	SGVA 491	852	Cx quinquefasciatus	El Monte	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 505	862	Cx quinquefasciatus	Monterey Park	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 887	849	Cx quinquefasciatus	Alhambra	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 898	883	Cx quinquefasciatus	San Gabriel	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 915	867	Cx quinquefasciatus	San Dimas	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 987	855	Cx quinquefasciatus	El Monte	50	GRVD	10/20/2026	WNV
Orange	ORCO 1010	4585	Cx quinquefasciatus	Huntington Beach	36	GRVD	10/20/2026	WNV
Orange	ORCO 1010	4605	Cx quinquefasciatus	Huntington Beach	33	GRVD	10/20/2026	WNV
Orange	ORCO 1015	4609	Cx quinquefasciatus	Orange	22	GRVD	10/20/2026	WNV
Orange	ORCO 1025	4553	Cx quinquefasciatus	Costa Mesa	50	GRVD	10/15/2026	WNV
Orange	ORCO 1025	4561	Cx quinquefasciatus	Costa Mesa	49	GRVD	10/16/2026	WNV
Orange	ORCO 1026	4537	Cx quinquefasciatus	Seal Beach	41	GRVD	10/15/2026	WNV
Orange	ORCO 1026	4538	Cx quinquefasciatus	Seal Beach	40	GRVD	10/15/2026	WNV
Orange	ORCO 193	4556	Cx tarsalis	Huntington Beach	30	CO2	10/15/2026	WNV
Orange	ORCO 217	4582	Cx quinquefasciatus	Santa Ana	44	GRVD	10/20/2026	WNV
Orange	ORCO 217	4593	Cx quinquefasciatus	Santa Ana	30	GRVD	10/20/2026	WNV
Orange	ORCO 217	4610	Cx quinquefasciatus	Santa Ana	31	GRVD	10/20/2026	WNV

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Orange	ORCO 217	4611	Cx quinquefasciatus	Santa Ana	18	GRVD	10/20/2026	WNV
Orange	ORCO 353	4549	Cx quinquefasciatus	Fountain Valley	26	GRVD	10/15/2026	WNV
Orange	ORCO 359	4544	Cx quinquefasciatus	Irvine	9	GRVD	10/15/2026	WNV
Orange	ORCO 7	4617	Cx quinquefasciatus	Seal Beach	34	GRVD	10/20/2026	WNV
Riverside	NWST 359	522	Cx quinquefasciatus	Eastvale	50	BGSENT	09/10/2026	WNV
Riverside	NWST 583	602	Cx quinquefasciatus	Jurupa Valley	35	BGSENT	09/22/2026	WNV
Riverside	NWST 593	829	Cx quinquefasciatus	Unincorporated	40	GRVD	10/15/2026	WNV
Riverside	NWST 88	608	Cx quinquefasciatus	Lake Elsinore	50	BGSENT	09/23/2026	WNV
Sacramento	SAYO 242010	6597	Cx tarsalis	Elk Grove	50	CO2	10/22/2026	WNV
San Bernardino	WVAL 3970	3300	Cx quinquefasciatus	Chino	15	BGSENT	10/21/2026	WNV
San Diego	SAND 25445	21417	Cx quinquefasciatus	Coronado	11	GRVD	10/14/2026	WNV
San Diego	SAND 25492	21416	Cx quinquefasciatus	Coronado	21	GRVD	10/14/2026	WNV
San Diego	SAND 25768	21411	Cx quinquefasciatus	San Diego	17	GRVD	10/14/2026	WNV
San Diego	SAND 25770	21426	Cx quinquefasciatus	San Diego	1	GRVD	10/14/2026	WNV
San Diego	SAND 25770	21429	Cx quinquefasciatus	San Diego	1	GRVD	10/14/2026	WNV
San Diego	SAND 25777	21453	Cx quinquefasciatus	San Diego	10	GRVD	10/16/2026	WNV
San Joaquin	SJCM 8008	2219	Cx tarsalis	Manteca	53	CO2	10/20/2026	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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