

California Arbovirus Surveillance Bulletin #30

Week 43 Friday, October 30, 2026



WEEKLY UPDATE

Humans

West Nile virus

A total of 50 new human cases of West Nile Virus (WNV) were reported this week in 7 counties: Los Angeles (42), Merced (1), Orange (2), Riverside (2), Stanislaus (2), and Tulare (1). In 2026, 502 cases of WNV disease have been reported from 24 counties. Of the 502 case patients, 429 (85%) had neuroinvasive disease and 31 (6.2%) were fatal. The median age of case patients was 66 years and 326 (65%) of the case patients were male. The dates of symptom onset ranged from June 8 to October 16. In addition to the 502 cases of WNV disease, 25 asymptomatic WNV infections have been reported from 11 counties: Fresno (3), Kern (1), Los Angeles (9), 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, 74 human cases of WNV disease had been reported from 16 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 4 counties: Los Angeles (1), Riverside (2), San Diego (15), and Santa Clara (1). In 2026, 772 WNV positive dead birds have been reported from 25 counties. At this time last year, 149 WNV positive dead birds had been reported from 21 counties.

Mosquito Pools

West Nile virus

A total of 23 new WNV positive mosquito pools were reported from 4 counties: Fresno (1), Los Angeles (14), Riverside (1), and San Bernardino (7). In 2026, 4,098 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,724 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, 60 WNV positive chickens had been reported from 8 counties.

2025 & 2026 YTD West Nile Virus Comparisons		
	2025	2026
Total No. Dead Bird Reports	7,135	9,820
No. Positive Counties	34	39
No. Human Cases	74	502
No. Positive Dead Birds / No. Tested	149 / 1,598	772 / 2,277
No. Positive Mosquito Pools / No. Tested	2,724 / 49,364	4,098 / 56,328
No. Seroconversions / No. Tested	60 / 3,755	149 / 3,754

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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	293		165	795	62
Madera	2		3	536	
Merced	3	1	2	87	
Napa			1		
Orange	59		119	902	
Placer	2	1	9	112	
Riverside	6		15	81	
Sacramento	12	2	107	123	
San Bernardino	3		19	148	
San Diego	6		90	110	
San Joaquin	7	1	14	174	
San Luis Obispo	1	1			
San Mateo			10		
Santa Clara	2		121	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	11			308	9
Tuolumne	1				
Ventura			7	1	
Yolo	7		20	85	
Yuba	3		4	6	5
Totals	502	17	772	4,098	149

*Asymptomatic infections are not included

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	50	0	0
	YTD	502	1	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	19 / 39
	YTD	772 / 2,277

Chicken Sera	Week	0 / 59	0 / 59	0 / 59
	YTD	149 / 3,754	0 / 3,754	0 / 3,754

Mosquito Pools	Week	23 / 704	0 / 663	0 / 664	0 / 168	0 / 168	0 / 168
	YTD	4,098 / 56,328	11 / 46,861	0 / 46,826	0 / 2,341	0 / 2,341	0 / 2,341

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Los Angeles	San Gabriel Valley MVCD	Pomona	91767	Unknown - Crow or Raven	10/26/2026	WNV
Riverside	Northwest Mosquito VCD	Lake Elsinore	92530	Common Raven	10/16/2026	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	10/19/2026	WNV
San Diego	San Diego Co VCP	La Jolla	92037	American Crow	10/08/2026	WNV
San Diego	San Diego Co VCP	San Diego	92117	American Crow	10/21/2026	WNV
San Diego	San Diego Co VCP	Coronado	92118	American Crow	10/22/2026	WNV
San Diego	San Diego Co VCP	San Diego	92102	American Crow	10/22/2026	WNV
San Diego	San Diego Co VCP	San Diego	92116	American Crow	10/22/2026	WNV
San Diego	San Diego Co VCP	San Diego	92116	American Crow	10/22/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/22/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/22/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/23/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/23/2026	WNV
San Diego	San Diego Co VCP	San Diego	92123	American Crow	10/23/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/26/2026	WNV
San Diego	San Diego Co VCP	Chula Vista	91910	American Crow	10/26/2026	WNV
San Diego	San Diego Co VCP	San Diego	92101	American Crow	10/27/2026	WNV
San Diego	San Diego Co VCP	San Diego	92120	American Crow	10/27/2026	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	Warbler	10/25/2026	WNV

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Mosquito Pool

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Fresno	FRWS 300026	338	Cx tarsalis	Firebaugh, Ca	21	CO2	10/27/2026	WNV
Los Angeles	GRLA 2033	6002	Cx quinquefasciatus	Tujunga	34	GRVD	10/20/2026	WNV
Los Angeles	GRLA 2312	992	Cx quinquefasciatus	San Pedro	23	GRVD	10/20/2026	WNV
Los Angeles	GRLA 2450	6008	Cx quinquefasciatus	Glendale	36	GRVD	10/20/2026	WNV
Los Angeles	GRLA 2580	6011	Cx quinquefasciatus	Sherman Oaks	50	GRVD	10/21/2026	WNV
Los Angeles	GRLA 2592	6004	Cx quinquefasciatus	San Marino	50	GRVD	10/20/2026	WNV
Los Angeles	GRLA 2593	6005	Cx quinquefasciatus	San Marino	36	GRVD	10/20/2026	WNV
Los Angeles	GRLA 3132	6006	Cx quinquefasciatus	Eagle Rock	50	GRVD	10/20/2026	WNV
Los Angeles	SGVA 1119	903	Cx quinquefasciatus	La Verne	50	GRVD	10/27/2026	WNV
Los Angeles	SGVA 371	896	Cx quinquefasciatus	South Pasadena	50	GRVD	10/27/2026	WNV
Los Angeles	SGVA 448	902	Cx quinquefasciatus	La Verne	40	GRVD	10/27/2026	WNV
Los Angeles	SGVA 475	898	Cx quinquefasciatus	Temple City	50	GRVD	10/27/2026	WNV
Los Angeles	SGVA 860	884	Cx quinquefasciatus	Baldwin Park	50	GRVD	10/27/2026	WNV
Los Angeles	SGVA 896	901	Cx quinquefasciatus	La Verne	20	GRVD	10/27/2026	WNV
Los Angeles	SGVA 952	890	Cx quinquefasciatus	San Dimas	46	GRVD	10/27/2026	WNV
Riverside	COAV 60	5319	Cx tarsalis	North Shore	50	CO2	10/27/2026	WNV
San Bernardino	SANB 0	456	Cx quinquefasciatus	San Bernardino	50	GRVD	10/23/2026	WNV
San Bernardino	SANB 267	452	Cx quinquefasciatus	Loma Linda	29	GRVD	10/22/2026	WNV
San Bernardino	SANB 322	454	Cx quinquefasciatus	Loma Linda	50	GRVD	10/22/2026	WNV
San Bernardino	SANB 535	446	Cx quinquefasciatus	San Bernardino	50	GRVD	10/22/2026	WNV
San Bernardino	SANB 536	450	Cx quinquefasciatus	San Bernardino	50	GRVD	10/22/2026	WNV
San Bernardino	SANB 605	441	Cx quinquefasciatus	Colton	50	GRVD	10/21/2026	WNV
San Bernardino	SANB 607	453	Cx quinquefasciatus	Grand Terrace	38	GRVD	10/22/2026	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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