

California Arbovirus Surveillance Bulletin #27

Week 40 Friday, October 9, 2026



WEEKLY UPDATE

Humans

West Nile virus

A total of 48 new human cases of West Nile Virus (WNV) were reported this week in 12 counties: Contra Costa (1), Fresno (2), Los Angeles (22), Madera (1), Orange (14), Placer (1), Sacramento (1), San Diego (1), Stanislaus (1), Tulare (3), and Yolo (1). **This is the first human case of WNV disease reported in Contra Costa County this year.** In 2026, 298 cases of WNV disease have been reported from 24 counties. Of the 298 case patients, 251 (84%) had neuroinvasive disease and 19 (6.4%) were fatal. The median age of case patients was 65 years and 193 (65%) of the case patients were male. The dates of symptom onset ranged from June 8 to September 30. In addition to the 298 cases of WNV disease, 22 asymptomatic WNV infections have been reported from 11 counties: Fresno (3), Kern (1), Los Angeles (6), 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, 54 human cases of WNV disease had been reported from 12 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 10 new WNV positive dead birds were reported this week from 6 counties: Alameda (1), Los Angeles (1), Riverside (1), San Diego (4), San Joaquin (1), and Santa Clara (2). In 2026, 712 WNV positive dead birds have been reported from 25 counties. At this time last year, 140 WNV positive dead birds had been reported from 20 counties.

Mosquito Pools

West Nile virus

A total of 64 new WNV positive mosquito pools were reported from 6 counties: Los Angeles (44), Merced (3), San Bernardino (11), San Diego (3), San Joaquin (1), and Tulare (2). In 2026, 3,903 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,605 WNV positive mosquito pools had been reported from 27 counties.

St. Louis encephalitis virus

There were no new SLEV positive mosquito pools reported this week. In 2026, 10 SLEV positive mosquito pools have been reported from 3 counties: Imperial (1), Riverside (2), and Tulare (7). At this time last year, 104 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, 54 positive chickens had been reported from 7 counties.

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2025 & 2026 YTD West Nile Virus Comparisons		
	2025	2026
Total No. Dead Bird Reports	6,794	9,245
No. Positive Counties	33	38
No. Human Cases	54	298
No. Positive Dead Birds / No. Tested	140 / 1,503	712 / 2,138
No. Positive Mosquito Pools / No. Tested	2,605 / 44,930	3,903 / 52,528
No. Seroconversions / No. Tested	54 / 3,385	149 / 3,509

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	38	31
Calaveras					2
Colusa				1	5
Contra Costa	1	1	13	2	2
El Dorado		1	1		
Fresno	21	1	3	142	
Glenn	5			1	
Imperial				7	
Kern	10			125	
Kings	11	1		83	
Lake				5	3
Los Angeles	133		155	711	62
Madera	2		3	536	
Merced	2	1	2	86	
Napa			1		
Orange	36		116	831	
Placer	2	1	9	112	
Riverside	3		13	71	
Sacramento	12	1	107	122	
San Bernardino	3		18	136	
San Diego	6		57	102	
San Joaquin	5	1	13	173	
San Luis Obispo	1	1			
San Mateo			9		
Santa Clara	2		115	5	
Shasta		2		18	4
Solano			2	10	
Sonoma			1		
Stanislaus	8	1	1	157	
Sutter	4	1	3	19	19
Tehama					7
Tulare	8			308	9
Tuolumne	1				
Ventura			7	1	
Yolo	6		20	85	
Yuba	3		3	6	5
Totals	298	15	712	3,903	149

*Asymptomatic infections are not included

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	48	0	0
	YTD	298	1	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	10 / 55
	YTD	712 / 2,138

Chicken Sera	Week	0 / 96	0 / 96	0 / 96
	YTD	149 / 3,509	0 / 3,509	0 / 3,509

Mosquito Pools	Week	64 / 1,819	0 / 1,504	0 / 1,504	0 / 75	0 / 75	0 / 75
	YTD	3,903 / 52,452	10 / 43,648	0 / 43,613	0 / 1,885	0 / 1,885	0 / 1,885

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Oakland	94610	American Crow	10/01/2026	WNV
Los Angeles	Los Angeles Co West VCD	Los Angeles	90020	American Crow	10/01/2026	WNV
Riverside	Northwest Mosquito VCD	Norco	92860	American Crow	09/30/2026	WNV
San Diego	San Diego Co VCP	Chula Vista	91913	Unknown - Crow or Raven	09/09/2026	WNV
San Diego	San Diego Co VCP	San Diego	92104	Unknown - Crow or Raven	10/02/2026	WNV
San Diego	San Diego Co VCP	San Diego	92103	American Crow	10/06/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/06/2026	WNV
San Joaquin	San Joaquin Co MVCD	Mountain House	95391	Unknown - Crow or Raven	10/01/2026	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	10/02/2026	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	10/06/2026	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Los Angeles	GRLA 2030	5890	Cx quinquefasciatus	West Hills	50	GRVD	09/29/2026	WNV
Los Angeles	GRLA 2034	5918	Cx quinquefasciatus	Tarzana	50	GRVD	09/30/2026	WNV
Los Angeles	GRLA 2222	902	Cx quinquefasciatus	Rowland Heights	50	GRVD	10/01/2026	WNV
Los Angeles	GRLA 2228	904	Cx quinquefasciatus	Diamond Bar	50	GRVD	10/01/2026	WNV
Los Angeles	GRLA 2230	903	Cx quinquefasciatus	Diamond Bar	26	GRVD	10/01/2026	WNV
Los Angeles	GRLA 2359	907	Cx quinquefasciatus	South El Monte	29	GRVD	10/01/2026	WNV
Los Angeles	GRLA 2500	5894	Cx quinquefasciatus	Elysian Valley	40	GRVD	09/29/2026	WNV
Los Angeles	GRLA 2503	5895	Cx quinquefasciatus	Elysian Valley	50	GRVD	09/29/2026	WNV
Los Angeles	GRLA 2540	5925	Cx quinquefasciatus	Porter Ranch	50	GRVD	09/30/2026	WNV
Los Angeles	GRLA 2552	5901	Cx quinquefasciatus	Glendale	50	GRVD	09/29/2026	WNV
Los Angeles	GRLA 2675	5931	Cx quinquefasciatus	Granada Hills	24	BGSENT	10/02/2026	WNV
Los Angeles	GRLA 3039	5905	Cx quinquefasciatus	Hollywood Hills	37	GRVD	09/30/2026	WNV

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Los Angeles	GRLA 3048	919	Cx quinquefasciatus	Pico Rivera	50	GRVD	10/02/2026	WNV
Los Angeles	GRLA 3053	901	Cx quinquefasciatus	Hacienda Heights	50	GRVD	10/01/2026	WNV
Los Angeles	GRLA 3063	892	Cx quinquefasciatus	Watts	50	GRVD	09/30/2026	WNV
Los Angeles	GRLA 3070	885	Cx quinquefasciatus	Commerce	50	GRVD	09/29/2026	WNV
Los Angeles	GRLA 3078	5897	Cx quinquefasciatus	Los Feliz	50	GRVD	09/29/2026	WNV
Los Angeles	GRLA 3079	5913	Cx quinquefasciatus	Sun Valley	50	GRVD	09/30/2026	WNV
Los Angeles	GRLA 3098	5896	Cx quinquefasciatus	Silver Lake	50	GRVD	09/29/2026	WNV
Los Angeles	GRLA 3102	5906	Cx quinquefasciatus	Studio City	50	GRVD	09/30/2026	WNV
Los Angeles	LACW 1012	1876	Cx quinquefasciatus	Venice	36	GRVD	09/29/2026	WNV
Los Angeles	LACW 1047	1883	Cx quinquefasciatus	Inglewood	15	CO2	09/29/2026	WNV
Los Angeles	LACW 1048	1881	Cx quinquefasciatus	Inglewood	36	CO2	09/29/2026	WNV
Los Angeles	LACW 1054	1884	Cx quinquefasciatus	Inglewood	50	CO2	09/29/2026	WNV
Los Angeles	LACW 1054	1885	Cx quinquefasciatus	Inglewood	33	CO2	09/29/2026	WNV
Los Angeles	LACW 1122	1872	Cx tarsalis	Torrance	12	CO2	09/29/2026	WNV
Los Angeles	SGVA 1000	801	Cx quinquefasciatus	Azusa	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 1006	791	Cx quinquefasciatus	Walnut	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 1022	795	Cx quinquefasciatus	Azusa	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 1071	777	Cx quinquefasciatus	Monterey Park	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 15	810	Cx quinquefasciatus	Glendora	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 396	787	Cx quinquefasciatus	Pasadena	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 4	784	Cx quinquefasciatus	Arcadia	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 451	806	Cx quinquefasciatus	Glendora	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 466	790	Cx quinquefasciatus	Pasadena	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 469	798	Cx quinquefasciatus	Pomona	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 479	794	Cx quinquefasciatus	Altadena	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 491	782	Cx quinquefasciatus	El Monte	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 505	779	Cx quinquefasciatus	Monterey Park	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 683	789	Cx quinquefasciatus	Sierra Madre	37	GRVD	10/07/2026	WNV
Los Angeles	SGVA 887	774	Cx quinquefasciatus	Alhambra	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 898	785	Cx quinquefasciatus	San Gabriel	50	GRVD	10/06/2026	WNV
Los Angeles	SGVA 915	807	Cx quinquefasciatus	San Dimas	50	GRVD	10/07/2026	WNV
Los Angeles	SGVA 956	803	Cx quinquefasciatus	Walnut	50	GRVD	10/07/2026	WNV
Merced	MERC 1302	693	Cx tarsalis	Los Banos	50	CO2	10/02/2026	WNV
Merced	MERC 201502	721	Cx tarsalis	Los Banos	50	CO2	10/02/2026	WNV
Merced	MERC 201502	723	Cx tarsalis	Los Banos	50	CO2	10/02/2026	WNV
San Bernardino	SANB 267	400	Cx quinquefasciatus	Loma Linda	50	GRVD	10/01/2026	WNV
San Bernardino	SANB 403	413	Cx quinquefasciatus	Fontana	50	GRVD	10/02/2026	WNV
San Bernardino	SANB 518	394	Cx quinquefasciatus	San Bernardino	50	GRVD	09/30/2026	WNV
San Bernardino	WVAL 2018	2961	Cx quinquefasciatus	Chino	50	GRVD	10/06/2026	WNV
San Bernardino	WVAL 2270	3007	Cx quinquefasciatus	Chino	50	BGSENT	10/07/2026	WNV
San Bernardino	WVAL 2270	3008	Cx quinquefasciatus	Chino	12	BGSENT	10/07/2026	WNV
San Bernardino	WVAL 2270	3009	Cx tarsalis	Chino	14	BGSENT	10/07/2026	WNV
San Bernardino	WVAL 5685	2988	Cx quinquefasciatus	Rancho Cucamonga	19	BGSENT	10/06/2026	WNV
San Bernardino	WVAL 6009	2962	Cx quinquefasciatus	Ontario	12	GRVD	10/06/2026	WNV
San Bernardino	WVAL 6254	3016	Cx tarsalis	Chino	33	BGSENT	10/07/2026	WNV
San Bernardino	WVAL 9007	2982	Cx quinquefasciatus	Upland	15	GRVD	10/06/2026	WNV
San Diego	SAND 25686	21116	Cx quinquefasciatus	Chula Vista	35	GRVD	09/28/2026	WNV
San Diego	SAND 25691	21140	Cx quinquefasciatus	La Jolla	19	GRVD	09/29/2026	WNV
San Diego	SAND 25693	21150	Cx quinquefasciatus	Chula Vista	19	GRVD	09/30/2026	WNV
San Joaquin	SJCM 8209	2130	Cx pipiens	Lodi	17	CO2	10/06/2026	WNV
Tulare	DLTA 509541	5151	Cx quinquefasciatus	Visalia	13	BGSENT	10/07/2026	WNV
Tulare	DLTA 509592	5135	Cx quinquefasciatus	Visalia	47	CO2	10/07/2026	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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