

California Arbovirus Surveillance Bulletin #28

Week 41 Friday, October 16, 2026



WEEKLY UPDATE

Humans

West Nile virus

A total of 80 new human cases of West Nile Virus (WNV) were reported this week in 9 counties: Fresno (2), Glenn (1), Los Angeles (59), Orange (11), Riverside (1), San Joaquin (1), Stanislaus (3), Tulare (1), and Yolo (1). In 2026, 378 cases of WNV disease have been reported from 25 counties. Of the 378 case patients, 321 (85%) had neuroinvasive disease and 23 (6.1%) were fatal. The median age of case patients was 66 years and 254 (67%) of the case patients were male. The dates of symptom onset ranged from June 8 to October 4. In addition to the 378 cases of WNV disease, 23 asymptomatic WNV infections have been reported from 11 counties: Fresno (3), Kern (1), Los Angeles (7), 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, 60 human cases of WNV disease had been reported from 13 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 22 new WNV positive dead birds were reported this week from 5 counties: Los Angeles (7), Orange (3), San Diego (9), San Joaquin (1), and Santa Clara (2). In 2026, 734 WNV positive dead birds have been reported from 25 counties. At this time last year, 146 WNV positive dead birds had been reported from 21 counties.

Mosquito Pools

West Nile virus

A total of 102 new WNV positive mosquito pools were reported from 9 counties: Fresno (1), Kern (3), Los Angeles (29), Merced (1), Orange (56), Riverside (5), San Bernardino (4), San Diego (2), and Shasta (1). In 2026, 4,005 WNV positive mosquito pools have been reported from 29 counties. At this time last year, 2,666 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, 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, 55 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	6,936	9,481
No. Positive Counties	33	39
No. Human Cases	60	378
No. Positive Dead Birds / No. Tested	146 / 1,548	734 / 2,174
No. Positive Mosquito Pools / No. Tested	2,666 / 47,201	4,005 / 54,364
No. Seroconversions / No. Tested	55 / 3,537	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	23	1	3	143	
Glenn	6			1	
Imperial				7	
Kern	10			128	
Kings	11	1		83	
Lake				5	3
Los Angeles	191		162	740	62
Madera	2		3	536	
Merced	2	1	2	87	
Napa			1		
Orange	47		119	887	
Placer	2	1	9	112	
Riverside	4		13	76	
Sacramento	12	2	107	122	
San Bernardino	4		18	140	
San Diego	6		66	104	
San Joaquin	6	1	14	173	
San Luis Obispo	1	1			
San Mateo			9		
Santa Clara	2		117	5	
Shasta		2		19	4
Siskiyou		1			
Solano			2	10	
Sonoma			1		
Stanislaus	11	1	1	157	
Sutter	4	1	3	19	19
Tehama					7
Tulare	9			308	9
Tuolumne	1				
Ventura			7	1	
Yolo	7		20	85	
Yuba	3		3	6	5
Totals	378	17	734	4,005	149

*Asymptomatic infections are not included

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	80	0	0
	YTD	378	1	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	22 / 36
	YTD	734 / 2,174

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

Mosquito Pools	Week	102 / 1,912	0 / 1,052	0 / 1,052	0 / 144	0 / 144	0 / 144
	YTD	4,005 / 54,364	10 / 44,996	0 / 44,961	0 / 2,068	0 / 2,068	0 / 2,068

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Los Angeles	Los Angeles Co West VCD	Los Angeles	90066	American Crow	10/01/2026	WNV
Los Angeles	San Gabriel Valley MVCD	Temple City	91780	American Crow	10/01/2026	WNV
Los Angeles	Los Angeles Co West VCD	Los Angeles	90019	American Crow	10/02/2026	WNV
Los Angeles	San Gabriel Valley MVCD	San Dimas	91773	House Finch	10/07/2026	WNV
Los Angeles	Los Angeles Co West VCD	Los Angeles	90019	American Crow	10/08/2026	WNV
Los Angeles	Los Angeles Co West VCD	Los Angeles	90006	American Crow	10/08/2026	WNV
Los Angeles	San Gabriel Valley MVCD	Baldwin Park	91706	Unknown - Crow or Raven	10/15/2026	WNV
Orange	Orange Co VCD	Mission Viejo	92692	American Crow	10/07/2026	WNV
Orange	Orange Co VCD	Anaheim	92801	American Crow	10/07/2026	WNV
Orange	Orange Co VCD	Huntington Beach	92648	American Crow	10/07/2026	WNV
San Diego	San Diego Co VCP	San Diego	92109	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	Coronado	92118	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	San Diego	92108	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	Chula Vista	91915	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	San Diego	92116	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	San Diego	92105	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	National City	91950	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	San Diego	92101	American Crow	10/13/2026	WNV
San Diego	San Diego Co VCP	San Diego	92110	American Crow	10/13/2026	WNV
San Joaquin	San Joaquin Co MVCD	Acampo	95220	Unknown - songbird	10/13/2026	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94022	American Crow	10/07/2026	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	Unknown - Crow or Raven	10/07/2026	WNV

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Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Fresno	CNSL 3407	366	Cx quinquefasciatus	Reedley	50	GRVD	10/06/2026	WNV
Kern	KERN 1006	602	Cx quinquefasciatus	Bakersfield	50	GRVD	10/02/2026	WNV
Kern	KERN 139	598	Cx quinquefasciatus	Bakersfield	25	GRVD	10/01/2026	WNV
Kern	KERN 2039	599	Cx quinquefasciatus	Bakersfield	50	GRVD	10/01/2026	WNV
Los Angeles	GRLA 2035	5957	Cx quinquefasciatus	Tarzana	50	GRVD	10/08/2026	WNV
Los Angeles	GRLA 2093	943	Cx quinquefasciatus	South Gate	50	GRVD	10/08/2026	WNV
Los Angeles	GRLA 2301	950	Cx quinquefasciatus	Green Meadows	50	GRVD	10/09/2026	WNV
Los Angeles	GRLA 2312	924	Cx quinquefasciatus	San Pedro	24	GRVD	10/06/2026	WNV
Los Angeles	GRLA 2530	5969	Cx quinquefasciatus	Sunland	50	GRVD	10/09/2026	WNV
Los Angeles	GRLA 2540	5963	Cx quinquefasciatus	Porter Ranch	50	GRVD	10/08/2026	WNV
Los Angeles	GRLA 2592	5934	Cx quinquefasciatus	San Marino	50	GRVD	10/06/2026	WNV
Los Angeles	GRLA 2593	5935	Cx quinquefasciatus	San Marino	48	GRVD	10/06/2026	WNV
Los Angeles	GRLA 2650	5947	Cx quinquefasciatus	Van Nuys	50	GRVD	10/07/2026	WNV
Los Angeles	GRLA 2918	5968	Cx quinquefasciatus	Sunland	39	GRVD	10/09/2026	WNV
Los Angeles	GRLA 2950	5967	Cx quinquefasciatus	Sunland	50	GRVD	10/09/2026	WNV
Los Angeles	GRLA 3057	946	Cx quinquefasciatus	Huntington Park	50	GRVD	10/08/2026	WNV
Los Angeles	GRLA 3059	940	Cx quinquefasciatus	Paramount	50	GRVD	10/08/2026	WNV
Los Angeles	GRLA 3089	5938	Cx quinquefasciatus	Glendale	50	GRVD	10/06/2026	WNV
Los Angeles	LACW 1003	1907	Cx quinquefasciatus	Redondo Beach	50	BGPRO-EVS	10/06/2026	WNV
Los Angeles	LACW 1006	1901	Cx erythrothorax	Playa Del Rey	34	BGPRO-EVS	10/08/2026	WNV
Los Angeles	LACW 1009	1919	Cx quinquefasciatus	Los Angeles	50	BGPRO-EVS	10/06/2026	WNV
Los Angeles	LACW 1081	1895	Cx erythrothorax	Los Angeles	20	CO2	10/06/2026	WNV
Los Angeles	LACW 1093	1899	Cx quinquefasciatus	Marina Del Rey	47	CO2	10/06/2026	WNV
Los Angeles	LACW 1104	1891	Cx quinquefasciatus	West Hollywood	50	BGPRO-EVS	10/06/2026	WNV
Los Angeles	SGVA 1010	822	Cx quinquefasciatus	Monrovia	50	GRVD	10/14/2026	WNV
Los Angeles	SGVA 1077	827	Cx quinquefasciatus	La Puente	45	GRVD	10/13/2026	WNV
Los Angeles	SGVA 1119	814	Cx quinquefasciatus	La Verne	32	GRVD	10/13/2026	WNV
Los Angeles	SGVA 1654	821	Cx quinquefasciatus	Monterey Park	50	GRVD	10/14/2026	WNV
Los Angeles	SGVA 297	819	Cx quinquefasciatus	Monterey Park	50	GRVD	10/14/2026	WNV
Los Angeles	SGVA 371	836	Cx quinquefasciatus	South Pasadena	50	GRVD	10/14/2026	WNV
Los Angeles	SGVA 482	820	Cx quinquefasciatus	Duarte	46	GRVD	10/14/2026	WNV
Los Angeles	SGVA 507	817	Cx quinquefasciatus	Monrovia	50	GRVD	10/14/2026	WNV
Los Angeles	SGVA 686	828	Cx quinquefasciatus	West Covina	27	GRVD	10/13/2026	WNV
Merced	MERC 107	767	Cx tarsalis	Dos Palos	50	CO2	10/06/2026	WNV
Orange	ORCO 1005	4188	Cx quinquefasciatus	Buena Park	38	GRVD	10/01/2026	WNV
Orange	ORCO 1005	4190	Cx quinquefasciatus	Buena Park	36	GRVD	10/01/2026	WNV
Orange	ORCO 1006	4179	Cx quinquefasciatus	Cypress	50	GRVD	10/01/2026	WNV
Orange	ORCO 1006	4225	Cx quinquefasciatus	Cypress	51	GRVD	10/01/2026	WNV
Orange	ORCO 1006	4227	Cx quinquefasciatus	Cypress	51	GRVD	10/01/2026	WNV
Orange	ORCO 1008	4392	Cx quinquefasciatus	Fullerton	50	GRVD	10/08/2026	WNV
Orange	ORCO 1009	4429	Cx quinquefasciatus	Garden Grove	48	GRVD	10/09/2026	WNV
Orange	ORCO 1010	4241	Cx quinquefasciatus	Huntington Beach	50	GRVD	10/02/2026	WNV
Orange	ORCO 1010	4242	Cx quinquefasciatus	Huntington Beach	50	GRVD	10/02/2026	WNV
Orange	ORCO 1010	4243	Cx quinquefasciatus	Huntington Beach	50	GRVD	10/02/2026	WNV
Orange	ORCO 1011	4270	Cx quinquefasciatus	La Habra	16	GRVD	10/06/2026	WNV
Orange	ORCO 1020	4506	Cx quinquefasciatus	Seal Beach	43	GRVD	10/14/2026	WNV
Orange	ORCO 1024	4366	Cx quinquefasciatus	Yorba Linda	13	GRVD	10/07/2026	WNV
Orange	ORCO 1025	4426	Cx quinquefasciatus	Costa Mesa	27	GRVD	10/09/2026	WNV
Orange	ORCO 1025	4427	Cx quinquefasciatus	Costa Mesa	12	GRVD	10/09/2026	WNV
Orange	ORCO 1025	4434	Cx quinquefasciatus	Costa Mesa	22	GRVD	10/09/2026	WNV
Orange	ORCO 1025	4436	Cx quinquefasciatus	Costa Mesa	34	GRVD	10/09/2026	WNV
Orange	ORCO 1025	4438	Cx quinquefasciatus	Costa Mesa	26	GRVD	10/09/2026	WNV
Orange	ORCO 1042	4431	Cx quinquefasciatus	Yorba Linda	27	GRVD	10/09/2026	WNV
Orange	ORCO 169	4433	Cx quinquefasciatus	Orange	29	GRVD	10/09/2026	WNV
Orange	ORCO 217	4191	Cx quinquefasciatus	Santa Ana	48	GRVD	10/01/2026	WNV
Orange	ORCO 217	4368	Cx quinquefasciatus	Santa Ana	45	GRVD	10/08/2026	WNV
Orange	ORCO 217	4370	Cx quinquefasciatus	Santa Ana	30	GRVD	10/08/2026	WNV
Orange	ORCO 217	4383	Cx quinquefasciatus	Santa Ana	17	GRVD	10/08/2026	WNV
Orange	ORCO 217	4391	Cx quinquefasciatus	Santa Ana	37	GRVD	10/08/2026	WNV
Orange	ORCO 218	4167	Cx quinquefasciatus	Anaheim	35	GRVD	10/01/2026	WNV

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Orange	ORCO 218	4170	Cx quinquefasciatus	Anaheim	50	GRVD	10/01/2026	WNV
Orange	ORCO 218	4172	Cx quinquefasciatus	Anaheim	29	GRVD	10/01/2026	WNV
Orange	ORCO 218	4182	Cx quinquefasciatus	Anaheim	50	GRVD	10/01/2026	WNV
Orange	ORCO 228	4231	Cx quinquefasciatus	Westminster	50	GRVD	10/02/2026	WNV
Orange	ORCO 228	4234	Cx quinquefasciatus	Westminster	48	GRVD	10/02/2026	WNV
Orange	ORCO 250	4416	Cx quinquefasciatus	Irvine	50	GRVD	10/08/2026	WNV
Orange	ORCO 29	4358	Cx quinquefasciatus	Santa Ana	28	GRVD	10/07/2026	WNV
Orange	ORCO 29	4361	Cx quinquefasciatus	Santa Ana	50	CO2	10/07/2026	WNV
Orange	ORCO 29	4362	Cx quinquefasciatus	Santa Ana	50	CO2	10/07/2026	WNV
Orange	ORCO 29	4521	Cx quinquefasciatus	Santa Ana	18	GRVD	10/14/2026	WNV
Orange	ORCO 300	4336	Cx quinquefasciatus	Westminster	29	GRVD	10/07/2026	WNV
Orange	ORCO 331	4296	Cx quinquefasciatus	Placentia	33	GRVD	10/06/2026	WNV
Orange	ORCO 332	4326	Cx quinquefasciatus	Fullerton	46	BGSENT	10/06/2026	WNV
Orange	ORCO 332	4488	Cx quinquefasciatus	Fullerton	24	GRVD	10/13/2026	WNV
Orange	ORCO 335	4273	Cx quinquefasciatus	Orange	6	GRVD	10/06/2026	WNV
Orange	ORCO 338	4287	Cx quinquefasciatus	Anaheim	28	GRVD	10/06/2026	WNV
Orange	ORCO 343	4269	Cx quinquefasciatus	Orange	8	GRVD	10/06/2026	WNV
Orange	ORCO 352	4215	Cx quinquefasciatus	Huntington Beach	37	GRVD	10/01/2026	WNV
Orange	ORCO 353	4397	Cx quinquefasciatus	Fountain Valley	32	GRVD	10/08/2026	WNV
Orange	ORCO 357	4213	Cx quinquefasciatus	Newport Beach	30	GRVD	10/01/2026	WNV
Orange	ORCO 370	4459	Cx quinquefasciatus	Santa Ana	9	GRVD	10/13/2026	WNV
Orange	ORCO 388	4341	Cx quinquefasciatus	Huntington Beach	42	GRVD	10/07/2026	WNV
Orange	ORCO 406	4194	Cx quinquefasciatus	Tustin	13	GRVD	10/01/2026	WNV
Orange	ORCO 7	4343	Cx quinquefasciatus	Seal Beach	50	GRVD	10/07/2026	WNV
Orange	ORCO 7	4344	Cx quinquefasciatus	Seal Beach	50	GRVD	10/07/2026	WNV
Orange	ORCO 7	4508	Cx quinquefasciatus	Seal Beach	50	CO2	10/14/2026	WNV
Orange	ORCO 81	4332	Cx quinquefasciatus	Seal Beach	35	GRVD	10/07/2026	WNV
Orange	ORCO 83	4187	Cx quinquefasciatus	Costa Mesa	49	GRVD	10/01/2026	WNV
Orange	ORCO 83	4401	Cx quinquefasciatus	Costa Mesa	34	GRVD	10/08/2026	WNV
Orange	ORCO 83	4402	Cx quinquefasciatus	Costa Mesa	34	GRVD	10/08/2026	WNV
Riverside	NWST 158	598	Cx quinquefasciatus	Riverside	14	GRVD	09/22/2026	WNV
Riverside	NWST 159	595	Cx quinquefasciatus	Riverside	50	BGSENT	09/22/2026	WNV
Riverside	NWST 586	689	Cx quinquefasciatus	Riverside	45	BGSENT	09/29/2026	WNV
Riverside	NWST 589	639	Cx quinquefasciatus	Unincorporated	44	BGSENT	09/25/2026	WNV
Riverside	NWST 594	656	Cx quinquefasciatus	Unincorporated	50	BGSENT	09/25/2026	WNV
San Bernardino	SANB 431	419	Cx quinquefasciatus	San Bernardino	29	GRVD	10/06/2026	WNV
San Bernardino	SANB 47	424	Cx quinquefasciatus	San Bernardino	37	GRVD	10/07/2026	WNV
San Bernardino	WVAL 518	3220	Cx quinquefasciatus	Montclair	21	BGSENT	10/15/2026	WNV
San Bernardino	WVAL 5718	3219	Cx quinquefasciatus	Ontario	10	BGSENT	10/15/2026	WNV
San Diego	SAND 25588	21239	Cx quinquefasciatus	San Diego	28	GRVD	10/06/2026	WNV
San Diego	SAND 25588	21242	Cx quinquefasciatus	San Diego	1	GRVD	10/06/2026	WNV
Shasta	SHAS 629	1038	Cx pipiens	Anderson	50	CO2	09/22/2026	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>.

Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Hannah Romo: Hannah.romo@cdph.ca.gov