

California Arbovirus Surveillance Bulletin #25

Week 40 Friday, October 3, 2025



WEEKLY UPDATE

Humans

West Nile virus

A total of 7 new human cases of West Nile virus (WNV) disease were reported this week from 4 counties: Fresno (3), Kings (2), Placer (1), and Tulare (1). In 2025, 54 human cases of WNV disease have been reported from 12 counties. Of the 54 cases, 32 (59%) had neuroinvasive disease and 5 (9%) were fatal. The median age of the case-patients was 66 years and 32 (59%) of the case patients were male. The dates of symptom onset ranged from June 6 to September 15. In addition to the 54 cases of WNV disease, 7 asymptomatic WNV positive blood donors have been reported from 5 counties: Fresno (2), Kern (2), Madera (1), Merced (1), and Tulare (1). At this time last year, 74 human cases of WNV disease had been reported from 21 counties.

Dengue virus

No locally acquired dengue infections have been reported in 2025. Travel associated dengue cases are indicated in the CDPH Weekly Update on Number of Dengue Infections:

<https://westnile.ca.gov/pdfs/WeeklyUpdateDengueInfectionsCA.pdf>

Dead Birds

A total of 2 new WNV positive dead birds were reported this week from 2 counties: Santa Clara (1) and Yolo (1). In 2025, a total of 140 WNV positive dead birds have been reported from 20 counties. At this time last year, 488 WNV positive dead birds had been reported from 21 counties.

Mosquito Pools

West Nile virus

A total of 105 new WNV positive mosquito pools were reported from 12 counties: Contra Costa (1), Fresno (1), Kern (1), Los Angeles (22), Orange (32), Riverside (1), Sacramento (7), San Diego (10), San Joaquin (3), Stanislaus (10), Tulare (16), and Yolo (1). In 2025, a total of 2,605 WNV positive mosquito pools have been reported from 27 counties. At this time last year, 1,904 WNV positive mosquito pools had been reported from 25 counties.

St. Louis encephalitis virus

A total of 4 new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week from 1 county: Riverside (4). In 2025, 104 SLEV positive mosquito pools have been reported from 3 counties: Fresno (1), Imperial (8), and Riverside (95). At this time last year, 28 SLEV positive mosquito pools had been reported from 5 counties.

Sentinel Chickens

A total of 5 new WNV positive sentinel chickens were reported this week from 1 county: Los Angeles (5). In 2025, 54 WNV positive sentinel chickens have been reported from 7 counties. At this time last year, 149 WNV positive chickens had been reported from 16 counties.

California Arbovirus Surveillance Bulletin #25

Week 40 Friday, October 3, 2025

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	5,626	6,794
No. Positive Counties	31	33
No. Human Cases	74	54
No. Positive Dead Birds / No. Tested	488 / 1,644	140 / 1,503
No. Positive Mosquito Pools / No. Tested	1,904 / 42,024	2,605 / 44,930
No. Seroconversions / No. Tested	149 / 4,205	54 / 3,385

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			6		
Butte	3			28	14
Colusa			1	1	
Contra Costa		1	3	3	
Fresno	9		11	124	
Imperial				1	
Inyo				1	
Kern	11		1	127	
Kings	5			129	
Lake			1	5	6
Los Angeles			4	148	8
Madera				264	
Merced	1			42	
Nevada	1				
Orange			2	134	
Placer	5		8	145	
Riverside				12	
Sacramento	2	1	27	66	
San Bernardino				4	
San Diego			24	159	
San Joaquin			7	136	
Santa Barbara		1			
Santa Clara			26	3	
Shasta				2	
Solano			2	24	2
Sonoma			1		
Stanislaus	2	1	1	195	
Sutter			1	12	11
Tulare	13		8	757	9
Tuolumne	1				
Ventura			1		
Yolo	1	1	5	75	
Yuba				8	4
Totals	54	5	140	2,605	54

California Arbovirus Surveillance Bulletin #25

Week 40 Friday, October 3, 2025

TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	7	0	0
	YTD	54	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	2 / 32
	YTD	140 / 1,503

Chicken Sera	Week	5 / 105	0 / 105	0 / 105
	YTD	54 / 3,385	0 / 3,385	0 / 3,385

Mosquito Pools	Week	105 / 1,957	4 / 1,779	0 / 1,779	0 / 123	0 / 123	0 / 123
	YTD	2,605 / 44,930	104 / 41,616	0 / 41,502	0 / 683	0 / 683	0 / 683

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Santa Clara	Santa Clara Co VCD	San Jose	95117	American Crow	9/29/2025	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95616	American Crow	9/26/2025	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Contra Costa	CNTR 8152	1624	Cx tarsalis	Knightsen	5	CO2	9/30/2025	WNV
Fresno	FRWS 300028	262	Cx pipiens	Firebaugh	44	BGSENT	9/24/2025	WNV
Kern	KERN 3039	478	Cx quinquefasciatus	Bakersfield	35	CO2	9/25/2025	WNV
Los Angeles	GRLA 2007	5892	Cx quinquefasciatus	Toluca Lake	50	GRVD	9/23/2025	WNV
Los Angeles	GRLA 2133	781	Cx quinquefasciatus	Wilmington	50	CO2	9/23/2025	WNV
Los Angeles	GRLA 2414	5920	Cx quinquefasciatus	Granada Hills	50	GRVD	9/25/2025	WNV
Los Angeles	GRLA 2574	5912	Cx quinquefasciatus	Sherman Oaks	50	GRVD	9/25/2025	WNV
Los Angeles	GRLA 2580	5911	Cx quinquefasciatus	Sherman Oaks	50	GRVD	9/25/2025	WNV
Los Angeles	GRLA 2651	5913	Cx quinquefasciatus	Sepulveda Basin	50	GRVD	9/25/2025	WNV
Los Angeles	GRLA 2655	5914	Cx quinquefasciatus	Lake Balboa	50	GRVD	9/25/2025	WNV
Los Angeles	GRLA 2675	5930	Cx quinquefasciatus	Granada Hills	12	BGSENT	9/26/2025	WNV
Los Angeles	GRLA 2962	5910	Cx quinquefasciatus	Chatsworth	38	BGSENT	9/24/2025	WNV
Los Angeles	GRLA 3027	5890	Cx quinquefasciatus	Studio City	50	GRVD	9/23/2025	WNV
Los Angeles	GRLA 3038	5895	Cx quinquefasciatus	Valley Village	48	BGSENT	9/23/2025	WNV
Los Angeles	GRLA 3069	5896	Cx quinquefasciatus	Valley Village	50	GRVD	9/23/2025	WNV
Los Angeles	GRLA 3076	5899	Cx quinquefasciatus	Valley Glen	50	GRVD	9/23/2025	WNV
Los Angeles	GRLA 3079	5900	Cx quinquefasciatus	Sun Valley	50	GRVD	9/23/2025	WNV
Los Angeles	GRLA 3080	5897	Cx quinquefasciatus	North Hollywood	50	GRVD	9/23/2025	WNV
Los Angeles	GRLA 3102	5894	Cx quinquefasciatus	Studio City	50	GRVD	9/23/2025	WNV
Los Angeles	LACW 1047	1292	Cx quinquefasciatus	Inglewood	50	CO2	9/25/2025	WNV
Los Angeles	LACW 1049	1295	Cx quinquefasciatus	Inglewood	13	GRVD	9/23/2025	WNV
Los Angeles	LACW 1054	1286	Cx quinquefasciatus	Inglewood	50	CO2	9/25/2025	WNV

California Arbovirus Surveillance Bulletin #25

Week 40 Friday, October 3, 2025

Los Angeles	SGVA 445	736	Cx quinquefasciatus	Rosemead	50	GRVD	9/30/2025	WNV
Los Angeles	SGVA 491	742	Cx quinquefasciatus	El Monte	50	GRVD	9/30/2025	WNV
Los Angeles	SGVA 987	738	Cx quinquefasciatus	El Monte	50	GRVD	9/30/2025	WNV
Orange	ORCO 1006	3051	Cx quinquefasciatus	Cypress	50	GRVD	9/23/2025	WNV
Orange	ORCO 1009	3171	Cx quinquefasciatus	Garden Grove	49	GRVD	9/30/2025	WNV
Orange	ORCO 1009	3173	Cx quinquefasciatus	Garden Grove	50	GRVD	9/30/2025	WNV
Orange	ORCO 1009	3179	Cx quinquefasciatus	Garden Grove	31	GRVD	9/30/2025	WNV
Orange	ORCO 1009	3191	Cx quinquefasciatus	Garden Grove	32	GRVD	9/30/2025	WNV
Orange	ORCO 1009	3203	Cx quinquefasciatus	Garden Grove	33	GRVD	9/30/2025	WNV
Orange	ORCO 1020	3303	Cx quinquefasciatus	Seal Beach	50	GRVD	10/2/2025	WNV
Orange	ORCO 218	2995	Cx quinquefasciatus	Anaheim	31	GRVD	9/23/2025	WNV
Orange	ORCO 218	2998	Cx quinquefasciatus	Anaheim	17	GRVD	9/23/2025	WNV
Orange	ORCO 218	3019	Cx quinquefasciatus	Anaheim	39	GRVD	9/23/2025	WNV
Orange	ORCO 218	3021	Cx quinquefasciatus	Anaheim	33	GRVD	9/23/2025	WNV
Orange	ORCO 218	3167	Cx quinquefasciatus	Anaheim	28	GRVD	9/30/2025	WNV
Orange	ORCO 238	2961	Cx quinquefasciatus	Anaheim	27	GRVD	9/18/2025	WNV
Orange	ORCO 238	3271	Cx quinquefasciatus	Anaheim	50	GRVD	10/2/2025	WNV
Orange	ORCO 29	2952	Cx quinquefasciatus	Santa Ana	50	GRVD	9/18/2025	WNV
Orange	ORCO 3	3158	Cx quinquefasciatus	Garden Grove	14	CO2	9/26/2025	WNV
Orange	ORCO 3	3217	Cx quinquefasciatus	Garden Grove	32	GRVD	9/30/2025	WNV
Orange	ORCO 3	3218	Cx quinquefasciatus	Garden Grove	31	GRVD	9/30/2025	WNV
Orange	ORCO 302	3056	Cx quinquefasciatus	Anaheim	39	GRVD	9/23/2025	WNV
Orange	ORCO 317	3036	Cx quinquefasciatus	Fullerton	27	BGSENT	9/23/2025	WNV
Orange	ORCO 321	3045	Cx quinquefasciatus	Anaheim	30	BGSENT	9/23/2025	WNV
Orange	ORCO 321	3059	Cx quinquefasciatus	Anaheim	31	GRVD	9/23/2025	WNV
Orange	ORCO 332	3133	Cx quinquefasciatus	Fullerton	5	GRVD	9/26/2025	WNV
Orange	ORCO 332	3212	Cx quinquefasciatus	Fullerton	47	GRVD	9/30/2025	WNV
Orange	ORCO 336	3250	Cx quinquefasciatus	Anaheim	52	GRVD	9/30/2025	WNV
Orange	ORCO 338	3064	Cx quinquefasciatus	Anaheim	50	GRVD	9/23/2025	WNV
Orange	ORCO 349	3155	Cx quinquefasciatus	Garden Grove	44	GRVD	9/26/2025	WNV
Orange	ORCO 349	3281	Cx quinquefasciatus	Garden Grove	34	GRVD	10/2/2025	WNV
Orange	ORCO 362	3042	Cx quinquefasciatus	Garden Grove	33	GRVD	9/23/2025	WNV
Orange	ORCO 364	3266	Cx quinquefasciatus	Garden Grove	31	GRVD	10/2/2025	WNV
Orange	ORCO 41	3215	Cx quinquefasciatus	Anaheim	28	GRVD	9/30/2025	WNV
Orange	ORCO 81	3267	Cx quinquefasciatus	Seal Beach	33	GRVD	10/2/2025	WNV
Riverside	COAV 23	5314	Cx quinquefasciatus	Thermal	50	CO2	9/30/2025	SLEV
Riverside	COAV 25	5290	Cx tarsalis	Mecca	50	CO2	9/30/2025	SLEV
Riverside	COAV 35	5436	Cx tarsalis	Mecca	50	CO2	9/30/2025	SLEV
Riverside	COAV 407	5454	Cx quinquefasciatus	Palm Springs	50	BGSENT	10/1/2025	WNV
Riverside	COAV 756	5371	Cx tarsalis	Mecca	39	BGSENT	9/30/2025	SLEV
Sacramento	SAYO 212033	5533	Cx stigmatosoma	Sacramento, Ca	3	GRVD	9/30/2025	WNV
Sacramento	SAYO 214001	5401	Cx stigmatosoma	Carmichael	1	GRVD	9/26/2025	WNV
Sacramento	SAYO 222032	5506	Cx tarsalis	Sacramento	11	CO2	9/30/2025	WNV
Sacramento	SAYO 233001	5540	Cx pipiens	Elk Grove	3	CO2	9/30/2025	WNV
Sacramento	SAYO 233009	5537	Cx pipiens	Elk Grove	9	CO2	9/30/2025	WNV
Sacramento	SAYO 245006	5377	Cx tarsalis	Wilton	50	CO2	9/26/2025	WNV
Sacramento	SAYO 271003	5374	Cx tarsalis	Isleton	20	CO2	9/26/2025	WNV
San Diego	SAND 24152	18002	Cx quinquefasciatus	La Mesa	10	GRVD	9/23/2025	WNV
San Diego	SAND 24153	17976	Cx quinquefasciatus	San Diego	20	GRVD	9/23/2025	WNV
San Diego	SAND 24153	17978	Cx quinquefasciatus	San Diego	8	GRVD	9/23/2025	WNV
San Diego	SAND 24186	17980	Cx quinquefasciatus	La Mesa	20	GRVD	9/23/2025	WNV
San Diego	SAND 24194	17984	Cx quinquefasciatus	La Mesa	20	GRVD	9/23/2025	WNV
San Diego	SAND 24194	17985	Cx quinquefasciatus	La Mesa	20	GRVD	9/23/2025	WNV
San Diego	SAND 24216	18015	Cx quinquefasciatus	La Mesa	10	GRVD	9/23/2025	WNV
San Diego	SAND 24417	18052	Cx quinquefasciatus	San Diego	20	GRVD	9/25/2025	WNV
San Diego	SAND 24417	18053	Cx quinquefasciatus	San Diego	20	GRVD	9/25/2025	WNV
San Diego	SAND 24417	18055	Cx quinquefasciatus	San Diego	1	GRVD	9/25/2025	WNV
San Joaquin	SJCM 8008	2385	Cx tarsalis	Manteca	51	CO2	9/30/2025	WNV
San Joaquin	SJCM 8206	2439	Cx tarsalis	Lodi	50	CO2	9/30/2025	WNV
San Joaquin	SJCM 8210	2396	Cx tarsalis	Escalon	21	CO2	9/30/2025	WNV
Stanislaus	EAST 2090	25274	Cx pipiens	Modesto	50	CO2	9/19/2025	WNV

California Arbovirus Surveillance Bulletin #25

Week 40 Friday, October 3, 2025

Stanislaus	TRLK 1615	1298	Cx tarsalis	Modesto	50	CO2	9/30/2025	WNV
Stanislaus	TRLK 312	1269	Cx tarsalis	Newman	50	CO2	9/30/2025	WNV
Stanislaus	TRLK 408	1163	Cx pipiens	Turlock	50	CO2	9/23/2025	WNV
Stanislaus	TRLK 408	1164	Cx pipiens	Turlock	50	CO2	9/23/2025	WNV
Stanislaus	TRLK 408	1166	Cx pipiens	Turlock	50	CO2	9/23/2025	WNV
Stanislaus	TRLK 408	1168	Cx pipiens	Turlock	50	CO2	9/23/2025	WNV
Stanislaus	TRLK 408	1170	Cx pipiens	Turlock	50	CO2	9/23/2025	WNV
Stanislaus	TRLK 408	1171	Cx pipiens	Turlock	50	CO2	9/23/2025	WNV
Stanislaus	TRLK 806	1178	Cx pipiens	Grayson	50	CO2	9/30/2025	WNV
Tulare	DLTA 509423	4019	Cx quinquefasciatus	West Goshen	50	BGSENT	9/24/2025	WNV
Tulare	DLTA 509428	4330	Cx quinquefasciatus	West Goshen	50	CO2	10/1/2025	WNV
Tulare	DLTA 509428	4332	Cx stigmatosoma	West Goshen	10	CO2	10/1/2025	WNV
Tulare	DLTA 509465	4264	Cx quinquefasciatus	Visalia Uab	30	BGSENT	9/30/2025	WNV
Tulare	DLTA 509485	3923	Cx quinquefasciatus	Traver Udb	50	BGSENT	9/23/2025	WNV
Tulare	DLTA 509485	3932	Cx stigmatosoma	Traver Udb	50	BGSENT	9/23/2025	WNV
Tulare	DLTA 509485	3933	Cx stigmatosoma	Traver Udb	47	BGSENT	9/23/2025	WNV
Tulare	DLTA 509490	4115	Cx quinquefasciatus	Visalia Uab	15	GRVD	9/26/2025	WNV
Tulare	DLTA 509534	4121	Cx quinquefasciatus	Visalia	34	GRVD	9/26/2025	WNV
Tulare	DLTA 509562	3967	Cx quinquefasciatus	Visalia	50	BGSENT	9/23/2025	WNV
Tulare	DLTA 509729	4316	Cx quinquefasciatus	Visalia	50	CO2	10/1/2025	WNV
Tulare	DLTA 509729	4320	Cx quinquefasciatus	Visalia	50	CO2	10/1/2025	WNV
Tulare	DLTA 509882	4388	Cx quinquefasciatus	Exeter	26	GRVD	10/2/2025	WNV
Tulare	DLTA 509960	4116	Cx quinquefasciatus	Visalia	39	BGSENT	9/26/2025	WNV
Tulare	DLTA 509988	4017	Cx quinquefasciatus	Visalia	31	BGSENT	9/24/2025	WNV
Tulare	TLRE 222532	229	Cx quinquefasciatus	Pixley	50	GRVD	9/19/2025	WNV
Yolo	SAYO 438339	5472	Cx tarsalis	Woodland	50	CO2	9/26/2025	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band No
Los Angeles	LACW 001002	Torrance	9/16/2025	WNV	3535
Los Angeles	LACW 001004	Lawndale	9/23/2025	WNV	3543
Los Angeles	LACW 001005	El Segundo	9/25/2025	WNV	3549
Los Angeles	LACW 001026	Los Angeles	9/16/2025	WNV	3588
Los Angeles	LACW 001049	Inglewood	9/25/2025	WNV	3592

California Arbovirus Surveillance Bulletin #25

Week 40 Friday, October 3, 2025

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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