

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 2025



WEEKLY UPDATE

Humans

West Nile virus

A total of 2 new human cases of West Nile virus (WNV) disease were reported this week from 2 counties: Kern (1) and Kings (1). **This is the first reported human case of WNV disease reported in Kern County this year.** In 2025, 7 human cases of WNV disease have been reported from 4 counties. Of the 7 cases, 6 (86%) had neuroinvasive disease and 1 (14%) was fatal. The median age of the case-patients was 74 years and 5 (71%) of the case patients were male. The dates of symptom onset ranged from June 6 to July 12. At this time last year, 5 human cases of WNV disease had been reported from 4 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 12 new WNV positive dead birds were reported this week from 7 counties: Orange (1), Placer (2), Sacramento (2), San Diego (4), San Joaquin (1), Santa Clara (1), and Tulare (1). **These are the first WNV positive dead birds from Placer County this year.** In 2025, a total of 70 WNV positive dead birds have been reported from 13 counties. At this time last year, 184 WNV positive dead birds had been reported from 15 counties.

Mosquito Pools

West Nile virus

A total of 154 new WNV positive mosquito pools were reported from 15 counties: Butte (2), Contra Costa (1), Fresno (2), Inyo (1), Kern (25), Los Angeles (9), Madera (4), Placer (11), Sacramento (2), San Diego (17), San Joaquin (11), Stanislaus (13), Sutter (2), Tulare (49), Yolo (2), and Yuba (3). **This is the first detection of WNV activity in Inyo County and the first WNV positive mosquito pool from Contra Costa County this year.** In 2025, a total of 969 WNV positive mosquito pools have been reported from 24 counties. At this time last year, 732 WNV positive mosquito pools had been reported from 24 counties.

St. Louis encephalitis virus

A total of 3 new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported from 1 county: Imperial (3). In 2025, 9 SLEV positive mosquito pools have been reported from 3 counties: Fresno (1), Imperial (7), and Riverside (1). At this time last year, 13 SLEV positive mosquito pools had been reported from 3 counties.

Sentinel Chickens

A total of 3 new WNV positive chickens were reported this week from 2 counties: Butte (2) and Sutter (1). **These are the first WNV positive chickens reported for Butte and Sutter counties this year.** In 2025, 3 WNV positive sentinel chickens have been reported from 2 counties. At this time last year, 20 WNV positive chickens had been reported from 6 counties.

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 2025

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	3,955	5,391
No. Positive Counties	27	26
No. Human Cases	5	7
No. Positive Dead Birds / No. Tested	184 / 1,058	70 / 1,091
No. Positive Mosquito Pools / No. Tested	732 / 26,502	969 / 26,241
No. Seroconversions / No. Tested	20 / 2,444	3 / 1,979

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Butte				4	2
Colusa				1	
Contra Costa			1	1	
Fresno			6	32	
Imperial				1	
Inyo				1	
Kern	1		1	58	
Kings	2			16	
Los Angeles			1	21	
Madera				63	
Merced				8	
Orange			2	21	
Placer			2	65	
Riverside				1	
Sacramento			11	20	
San Bernardino				1	
San Diego			13	77	
San Joaquin			3	33	
Santa Clara			18		
Shasta				1	
Stanislaus	1		1	59	
Sutter				3	1
Tulare	3		6	474	
Yolo				4	
Yuba				4	
Totals	7		70	969	3

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 2025

TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	2	0	0
	YTD	7	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	12 / 93
	YTD	70 / 1,091

Chicken Sera	Week	3 / 213	0 / 213	0 / 213
	YTD	3 / 1,979	0 / 1,979	0 / 1,979

Mosquito Pools	Week	154 / 1,571	3 / 1,571	0 / 1,571	0 / 6	0 / 6	0 / 6
	YTD	969 / 26,241	9 / 24,529	0 / 24,532	0 / 148	0 / 148	0 / 148

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Orange	Orange Co VCD	Garden Grove	92840	American Crow	7/27/2025	WNV
Placer	Placer MVCD	Lincoln	95648	California Scrub-Jay	7/24/2025	WNV
Placer	Placer MVCD	Lincoln	95648	House Finch	7/25/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95826	Mourning Dove	7/24/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95829	California Scrub-Jay	7/28/2025	WNV
San Diego	San Diego Co VCP	Lemon Grove	91945	American Crow	7/28/2025	WNV
San Diego	San Diego Co VCP	San Diego	92115	American Crow	7/28/2025	WNV
San Diego	San Diego Co VCP	Spring Valley	91977	American Crow	7/30/2025	WNV
San Diego	San Diego Co VCP	Lemon Grove	91945	Sharp-shinned Hawk	7/30/2025	WNV
San Joaquin	San Joaquin Co MVCD	Tracy	95376	Unknown - Crow or Raven	7/24/2025	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	7/22/2025	WNV
Tulare	Delta MVCD	Visalia	93277	California Scrub-Jay	7/28/2025	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Butte	BUCO 184	262	Cx tarsalis	Gridley	50	CO2	7/23/2025	WNV
Butte	BUCO 193	246	Cx tarsalis	Butte Valley	50	CO2	7/22/2025	WNV
Contra Costa	CNTR 8152	862	Cx tarsalis	Knightsen	45	CO2	7/29/2025	WNV
Fresno	FRWS 5110	148	Cx tarsalis	Tranquillity	50	CO2	7/30/2025	WNV
Fresno	FRWS 5110	149	Cx tarsalis	Tranquillity	50	CO2	7/30/2025	WNV
Imperial	IMPR 130	185	Cx quinquefasciatus	Imperial	29	BGSENT	7/28/2025	SLEV
Imperial	IMPR 130	186	Cx tarsalis	Imperial	17	BGSENT	7/28/2025	SLEV
Imperial	IMPR 157	189	Cx quinquefasciatus	El Centro	5	BGSENT	7/29/2025	SLEV

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 2025

Inyo	INYO 1024	7	Cx erythrothorax	Lone Pine	50	CO2-EVS	7/29/2025	WNV
Kern	DLNO 0	221	Cx tarsalis	Delano	50	CO2	7/22/2025	WNV
Kern	DLNO 162	247	Cx quinquefasciatus	Delano	16	BGSENT	7/29/2025	WNV
Kern	DLNO 205	230	Cx tarsalis	Delano	50	CO2	7/22/2025	WNV
Kern	DLNO 205	231	Cx tarsalis	Delano	50	CO2	7/22/2025	WNV
Kern	DLNO 205	233	Cx tarsalis	Delano	50	CO2	7/22/2025	WNV
Kern	DLNO 208	216	Cx quinquefasciatus	Delano	38	CO2	7/22/2025	WNV
Kern	DLNO 208	218	Cx tarsalis	Delano	50	CO2	7/22/2025	WNV
Kern	DLNO 208	219	Cx tarsalis	Delano	50	CO2	7/22/2025	WNV
Kern	DLNO 229	243	Cx tarsalis	Delano	50	BGSENT	7/29/2025	WNV
Kern	DLNO 229	245	Cx quinquefasciatus	Delano	50	BGSENT	7/29/2025	WNV
Kern	DLNO 257	240	Cx tarsalis	Delano	50	CO2	7/24/2025	WNV
Kern	DLNO 38	249	Cx tarsalis	Delano	50	BGSENT	7/29/2025	WNV
Kern	DLNO 51	235	Cx quinquefasciatus	Mcfarland	50	CO2	7/24/2025	WNV
Kern	KERN 111	274	Cx tarsalis	Arvin	33	CO2	7/22/2025	WNV
Kern	KERN 114	270	Cx tarsalis	Bakersfield	21	CO2	7/22/2025	WNV
Kern	KERN 14	292	Cx quinquefasciatus	Bakersfield	24	GRVD	7/25/2025	WNV
Kern	KERN 27	287	Cx tarsalis	Wasco	35	CO2	7/24/2025	WNV
Kern	KERN 3021	284	Cx tarsalis	Wasco	31	CO2	7/22/2025	WNV
Kern	KERN 3027	273	Cx tarsalis	Arvin	27	CO2	7/22/2025	WNV
Kern	KERN 3032	279	Cx quinquefasciatus	Bakersfield	50	CO2	7/22/2025	WNV
Kern	KERN 3041	289	Cx tarsalis	Shafter	50	CO2	7/24/2025	WNV
Kern	KERN 31	272	Cx tarsalis	Arvin	50	CO2	7/22/2025	WNV
Kern	KERN 91	285	Cx tarsalis	Lost Hills	29	CO2	7/22/2025	WNV
Kern	WEST 6208	44	Cx tarsalis	Bakersfield	50	CO2	7/30/2025	WNV
Kern	WEST 6230	41	Cx tarsalis	Bakersfield	16	CO2	7/30/2025	WNV
Los Angeles	GRLA 2414	5555	Cx quinquefasciatus	Granada Hills	50	BGSENT	7/22/2025	WNV
Los Angeles	GRLA 2419	5552	Cx quinquefasciatus	Panorama City	50	GRVD	7/22/2025	WNV
Los Angeles	GRLA 2637	5551	Cx quinquefasciatus	Van Nuys	50	GRVD	7/22/2025	WNV
Los Angeles	GRLA 3041	491	Cx quinquefasciatus	Artesia	50	GRVD	7/22/2025	WNV
Los Angeles	GRLA 3066	5588	Cx quinquefasciatus	Valley Glen	50	GRVD	7/25/2025	WNV
Los Angeles	GRLA 3069	5586	Cx quinquefasciatus	Valley Village	50	GRVD	7/25/2025	WNV
Los Angeles	GRLA 3076	5589	Cx quinquefasciatus	Valley Glen	50	GRVD	7/25/2025	WNV
Los Angeles	GRLA 3102	5584	Cx quinquefasciatus	Studio City	50	GRVD	7/25/2025	WNV
Los Angeles	LACW 1054	1025	Cx quinquefasciatus	Inglewood	50	CO2	7/24/2025	WNV
Madera	MADR 12412	340	Cx tarsalis	Fairmead	50	CO2	7/24/2025	WNV
Madera	MADR 12633	363	Cx tarsalis	Madera	50	CO2	7/25/2025	WNV
Madera	MADR 12651	339	Cx tarsalis	Chowchilla	30	CO2	7/24/2025	WNV
Madera	MADR 298	371	Cx tarsalis	Chowchilla	50	CO2	7/25/2025	WNV
Placer	PLCR 1114	1294	Cx tarsalis	Lincoln	25	CO2	7/29/2025	WNV
Placer	PLCR 139	1242	Cx tarsalis	Roseville	50	CO2	7/29/2025	WNV
Placer	PLCR 139	1244	Cx tarsalis	Roseville	50	CO2	7/29/2025	WNV
Placer	PLCR 139	1246	Cx tarsalis	Roseville	50	CO2	7/29/2025	WNV
Placer	PLCR 191373	1296	Cx tarsalis	Pleasant Grove	50	CO2	7/29/2025	WNV
Placer	PLCR 191373	1299	Cx tarsalis	Pleasant Grove	50	CO2	7/29/2025	WNV
Placer	PLCR 197802	1274	Cx tarsalis	Elverta	50	CO2	7/29/2025	WNV
Placer	PLCR 197802	1275	Cx tarsalis	Elverta	50	CO2	7/29/2025	WNV
Placer	PLCR 197802	1276	Cx tarsalis	Elverta	50	CO2	7/29/2025	WNV
Placer	PLCR 678519	1307	Cx tarsalis	Elverta	50	CO2	7/29/2025	WNV
Placer	PLCR 719276	1270	Cx tarsalis	Roseville	23	CO2	7/29/2025	WNV
Sacramento	SAYO 203007	2606	Cx pipiens	Elverta	3	CO2	7/25/2025	WNV
Sacramento	SAYO 204020	2758	Cx pipiens	Sacramento	11	GRVD	7/29/2025	WNV
San Diego	SAND 24152	17042	Cx quinquefasciatus	La Mesa	20	GRVD	7/22/2025	WNV
San Diego	SAND 24152	17043	Cx quinquefasciatus	La Mesa	20	GRVD	7/22/2025	WNV
San Diego	SAND 24153	17068	Cx quinquefasciatus	San Diego	19	GRVD	7/22/2025	WNV
San Diego	SAND 24153	17070	Cx quinquefasciatus	San Diego	19	GRVD	7/22/2025	WNV
San Diego	SAND 24153	17071	Cx quinquefasciatus	San Diego	19	GRVD	7/22/2025	WNV
San Diego	SAND 24153	17073	Cx quinquefasciatus	San Diego	19	GRVD	7/22/2025	WNV
San Diego	SAND 24153	17074	Cx quinquefasciatus	San Diego	19	GRVD	7/22/2025	WNV
San Diego	SAND 24156	17047	Cx quinquefasciatus	La Mesa	20	GRVD	7/22/2025	WNV
San Diego	SAND 24156	17048	Cx quinquefasciatus	La Mesa	20	GRVD	7/22/2025	WNV
San Diego	SAND 24186	17063	Cx quinquefasciatus	La Mesa	12	GRVD	7/22/2025	WNV
San Diego	SAND 24186	17065	Cx quinquefasciatus	La Mesa	12	GRVD	7/22/2025	WNV
San Diego	SAND 24216	17057	Cx quinquefasciatus	La Mesa	10	GRVD	7/22/2025	WNV
San Diego	SAND 24234	17123	Cx quinquefasciatus	La Mesa	16	GRVD	7/25/2025	WNV
San Diego	SAND 24235	17127	Cx quinquefasciatus	La Mesa	15	GRVD	7/25/2025	WNV
San Diego	SAND 24236	17104	Cx quinquefasciatus	La Mesa	1	GRVD	7/25/2025	WNV
San Diego	SAND 24236	17105	Cx quinquefasciatus	La Mesa	11	GRVD	7/25/2025	WNV

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 2025

San Diego	SAND 24238	17118	Cx quinquefasciatus	San Diego	10	GRVD	7/25/2025	WNV
San Joaquin	SJCM 8003	1415	Cx tarsalis	Tracy	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8003	1416	Cx tarsalis	Tracy	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8003	1417	Cx tarsalis	Tracy	11	CO2	7/29/2025	WNV
San Joaquin	SJCM 8027	1382	Cx tarsalis	Stockton	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8027	1383	Cx tarsalis	Stockton	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8027	1384	Cx tarsalis	Stockton	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8083	1360	Cx tarsalis	Escalon	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8083	1361	Cx tarsalis	Escalon	50	CO2	7/29/2025	WNV
San Joaquin	SJCM 8083	1366	Cx pipiens	Escalon	32	CO2	7/29/2025	WNV
San Joaquin	SJCM 8210	1353	Cx tarsalis	Escalon	29	CO2	7/29/2025	WNV
San Joaquin	SJCM 8210	1354	Cx pipiens	Escalon	49	CO2	7/29/2025	WNV
Stanislaus	EAST 2072	25186	Cx pipiens	Modesto	50	GRVD	7/18/2025	WNV
Stanislaus	TRLK 1107	462	Cx tarsalis	Denair	50	CO2	7/29/2025	WNV
Stanislaus	TRLK 1107	463	Cx tarsalis	Denair	50	CO2	7/29/2025	WNV
Stanislaus	TRLK 1308	474	Cx pipiens	Turlock	29	CO2	7/29/2025	WNV
Stanislaus	TRLK 17152	499	Cx pipiens	Denair	50	CO2	7/29/2025	WNV
Stanislaus	TRLK 17152	500	Cx pipiens	Denair	31	CO2	7/29/2025	WNV
Stanislaus	TRLK 1905	465	Cx tarsalis	Denair	27	CO2	7/29/2025	WNV
Stanislaus	TRLK 19519	472	Cx pipiens	Denair	42	CO2	7/29/2025	WNV
Stanislaus	TRLK 407	495	Cx pipiens	Turlock	21	CO2	7/29/2025	WNV
Stanislaus	TRLK 526	494	Cx pipiens	Denair	42	CO2	7/29/2025	WNV
Stanislaus	TRLK 613	480	Cx tarsalis	Hickman	50	CO2	7/29/2025	WNV
Stanislaus	TRLK 613	487	Cx tarsalis	Hickman	50	CO2	7/29/2025	WNV
Stanislaus	TRLK 613	489	Cx tarsalis	Hickman	50	CO2	7/29/2025	WNV
Sutter	SUYA 14	471	Cx tarsalis	Sutter	50	REST	7/28/2025	WNV
Sutter	SUYA 44	460	Cx tarsalis	Pleasant Grove	50	CO2	7/29/2025	WNV
Tulare	DLNO 250	203	Cx tarsalis	Richgrove	50	CO2	7/21/2025	WNV
Tulare	DLNO 250	204	Cx tarsalis	Richgrove	50	CO2	7/21/2025	WNV
Tulare	DLNO 258	259	Cx quinquefasciatus	Earlimart	50	CO2	7/30/2025	WNV
Tulare	DLNO 96	265	Cx tarsalis	Earlimart	50	CO2	7/30/2025	WNV
Tulare	DLTA 509375	2556	Cx stigmatosoma	Dinuba	10	GRVD	7/24/2025	WNV
Tulare	DLTA 509375	2557	Cx quinquefasciatus	Dinuba	24	GRVD	7/24/2025	WNV
Tulare	DLTA 509377	2642	Cx quinquefasciatus	Visalia	48	BGSENT	7/29/2025	WNV
Tulare	DLTA 509400	2599	Cx quinquefasciatus	Dinuba	50	BGSENT	7/25/2025	WNV
Tulare	DLTA 509423	2665	Cx quinquefasciatus	West Goshen	37	BGSENT	7/30/2025	WNV
Tulare	DLTA 509423	2666	Cx tarsalis	West Goshen	18	BGSENT	7/30/2025	WNV
Tulare	DLTA 509463	2664	Cx quinquefasciatus	Visalia	24	BGSENT	7/30/2025	WNV
Tulare	DLTA 509485	2603	Cx quinquefasciatus	Traver Udb	11	BGSENT	7/29/2025	WNV
Tulare	DLTA 509514	2544	Cx quinquefasciatus	Dinuba	21	GRVD	7/24/2025	WNV
Tulare	DLTA 509595	2595	Cx quinquefasciatus	Patterson Tract	50	CO2	7/25/2025	WNV
Tulare	DLTA 509687	2573	Cx quinquefasciatus	Visalia	48	BGSENT	7/25/2025	WNV
Tulare	DLTA 509689	2634	Cx quinquefasciatus	Visalia	14	GRVD	7/29/2025	WNV
Tulare	DLTA 509706	2615	Cx quinquefasciatus	Yetttem	14	CO2	7/29/2025	WNV
Tulare	DLTA 509723	2652	Cx quinquefasciatus	Visalia	11	BGSENT	7/30/2025	WNV
Tulare	DLTA 509805	2640	Cx quinquefasciatus	Farmersville	34	GRVD	7/29/2025	WNV
Tulare	DLTA 509807	2542	Cx quinquefasciatus	Farmersville	13	GRVD	7/24/2025	WNV
Tulare	DLTA 509826	2622	Cx quinquefasciatus	Visalia	30	BGSENT	7/29/2025	WNV
Tulare	DLTA 509829	2549	Cx quinquefasciatus	Dinuba	13	GRVD	7/24/2025	WNV
Tulare	DLTA 509834	2590	Cx quinquefasciatus	Cutler-Orosi Udb	22	BGSENT	7/25/2025	WNV
Tulare	DLTA 509848	2548	Cx quinquefasciatus	Cutler-Orosi Udb	34	GRVD	7/24/2025	WNV
Tulare	DLTA 509866	2661	Cx quinquefasciatus	Visalia Uab	32	BGSENT	7/30/2025	WNV
Tulare	DLTA 509876	2538	Cx quinquefasciatus	Farmersville	15	BGSENT	7/24/2025	WNV
Tulare	DLTA 509900	2656	Cx quinquefasciatus	Visalia	11	GRVD	7/30/2025	WNV
Tulare	DLTA 509911	2566	Cx quinquefasciatus	Visalia	18	GRVD	7/25/2025	WNV
Tulare	DLTA 509945	2543	Cx quinquefasciatus	Visalia Uab	30	BGSENT	7/24/2025	WNV
Tulare	DLTA 509956	2581	Cx quinquefasciatus	Visalia	14	BGSENT	7/25/2025	WNV
Tulare	DLTA 509964	2580	Cx quinquefasciatus	Visalia	10	BGSENT	7/25/2025	WNV
Tulare	DLTA 509969	2628	Cx quinquefasciatus	Visalia	10	GRVD	7/29/2025	WNV
Tulare	DLTA 509989	2607	Cx quinquefasciatus	Visalia	50	GRVD	7/29/2025	WNV
Tulare	DLTA 509997	2606	Cx quinquefasciatus	Dinuba	16	GRVD	7/29/2025	WNV
Tulare	DLTA 512177	2639	Cx quinquefasciatus	Visalia	35	GRVD	7/29/2025	WNV
Tulare	DLTA 512180	2539	Cx quinquefasciatus	Orosi	27	GRVD	7/24/2025	WNV
Tulare	DLTA 512181	2625	Cx stigmatosoma	Exeter	12	GRVD	7/29/2025	WNV
Tulare	DLTA 512193	2626	Cx quinquefasciatus	Visalia	20	GRVD	7/29/2025	WNV
Tulare	TLRE 192436	64	Cx quinquefasciatus	Tulare	50	GRVD	7/24/2025	WNV
Tulare	TLRE 202401	58	Cx quinquefasciatus	Tulare	12	GRVD	7/23/2025	WNV
Tulare	TLRE 202401	59	Cx quinquefasciatus	Tulare	14	GRVD	7/23/2025	WNV

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 2025

Tulare	TLRE 202401	69	Cx quinquefasciatus	Tulare	50	GRVD	7/25/2025	WNV
Tulare	TLRE 202401	71	Cx quinquefasciatus	Tulare	18	GRVD	7/25/2025	WNV
Tulare	TLRE 202403	66	Cx quinquefasciatus	Tulare	41	GRVD	7/24/2025	WNV
Tulare	TLRE 202410	67	Cx quinquefasciatus	Tulare	50	GRVD	7/24/2025	WNV
Tulare	TLRE 202412	62	Cx quinquefasciatus	Tulare	50	GRVD	7/24/2025	WNV
Tulare	TLRE 202412	63	Cx quinquefasciatus	Tulare	50	GRVD	7/24/2025	WNV
Tulare	TLRE 202415	68	Cx quinquefasciatus	Tulare	50	GRVD	7/24/2025	WNV
Tulare	TLRE 202424	73	Cx quinquefasciatus	Tulare	50	GRVD	7/25/2025	WNV
Yolo	SAYO 116006	2673	Cx pipiens	Knights Landing	1	GRVD	7/29/2025	WNV
Yolo	SAYO 145005	2792	Cx pipiens	Davis	1	CO2	7/29/2025	WNV
Yuba	SUYA 39	455	Cx tarsalis	Marysville (Hallwood)	50	CO2	7/29/2025	WNV
Yuba	SUYA 4	447	Cx tarsalis	Wheatland	43	CO2	7/29/2025	WNV
Yuba	SUYA 8	453	Cx tarsalis	Marysville	50	CO2	7/29/2025	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band No
Butte	BUCO 000003	Oroville	7/22/2025	WNV	3447
Butte	BUCO 000005	Honcut	7/22/2025	WNV	3457
Sutter	SUYA 000014	Sutter	7/24/2025	WNV	3668

California Arbovirus Surveillance Bulletin #16

Week 31 Friday, August 1, 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>.

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