

California Arbovirus Surveillance Bulletin #13

Week 28 Friday, July 11, 2025



WEEKLY UPDATE

Humans

West Nile virus

A single (1) human case of West Nile virus (WNV) disease was reported this week from 1 county: Stanislaus (1). **This is the first human case of WNV disease reported in Stanislaus County this year.** In 2025, 2 human cases of WNV disease have been reported from 2 counties. At this time last year, no human cases of WNV disease had been reported.

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 16 new WNV positive dead birds were reported this week from 4 counties: Fresno (1), Sacramento (4), San Diego (4), and Santa Clara (7). **These are the first WNV positive dead birds from Sacramento County this year.** In 2025, a total of 42 WNV positive dead birds have been reported from 8 counties. At this time last year, 94 WNV positive dead birds had been reported from 10 counties.

Mosquito Pools

West Nile virus

A total of 142 new WNV positive mosquito pools were reported from 15 counties: Fresno (4), Kern (4), Kings (2), Los Angeles (3), Madera (20), Merced (1), Placer (14), Sacramento (3), San Diego (26), San Joaquin (2), Shasta (1), Stanislaus (15), Sutter (1), Tulare (45), and Yuba (1). **These are the first detections of WNV activity in Los Angeles, Shasta, Sutter, and Yuba counties this year.** In 2025, a total of 539 WNV positive mosquito pools have been reported from 19 counties. At this time last year, 320 WNV positive mosquito pools had been reported from 20 counties.

St. Louis encephalitis virus

No new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week. In 2025, 2 SLEV positive mosquito pools have been reported from 2 counties: Fresno (1) and Riverside (1). At this time last year, 11 SLEV positive mosquito pools had been reported from 3 counties.

Sentinel Chickens

No seroconversions have been reported in 2025.

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	3,387	4,781
No. Positive Counties	23	21
No. Human Cases	0	2
No. Positive Dead Birds / No. Tested	94 / 844	42 / 880
No. Positive Mosquito Pools / No. Tested	320 / 20,567	539 / 20,509
No. Seroconversions / No. Tested	0 / 1,733	0 / 1,505

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YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Fresno			4	18	
Imperial				1	
Kern			1	22	
Kings				3	
Los Angeles				3	
Madera				24	
Merced				3	
Placer				32	
Riverside				1	
Sacramento			4	4	
San Bernardino				1	
San Diego			8	42	
San Joaquin			2	13	
Santa Clara			14		
Shasta				1	
Stanislaus	1			28	
Sutter				1	
Tulare	1		4	339	
Yolo				2	
Yuba				1	
Totals	2		42	539	

TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	1	0	0
	YTD	2	0	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
Dead Birds	Week	16 / 80					
	YTD	42 / 880					
Chicken Sera	Week	0 / 210	0 / 210	0 / 210			
	YTD	0 / 1,505	0 / 1,505	0 / 1,505			
Mosquito Pools	Week	142 / 1,928	0 / 1,804	0 / 1,804	0 / 5	0 / 5	0 / 5
	YTD	539 / 20,509	2 / 19,084	0 / 19,087	0 / 61	0 / 61	0 / 61

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POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Fresno	Fresno MVCD	Fresno	93705	California Scrub-Jay	7/10/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Elk Grove	95624	White-tailed Kite	6/29/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Antelope	95843	Northern Mockingbird	7/2/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Antelope	95843	Northern Mockingbird	7/2/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	California Scrub-Jay	7/7/2025	WNV
San Diego	San Diego Co VCP	La Mesa	91941	American Crow	6/26/2025	WNV
San Diego	San Diego Co VCP	Lemon Grove	91945	American Crow	7/2/2025	WNV
San Diego	San Diego Co VCP	San Diego	92115	Common Raven	7/8/2025	WNV
San Diego	San Diego Co VCP	San Diego	92115	American Crow	7/10/2025	WNV
Santa Clara	Santa Clara Co VCD	Milpitas	95035	Unknown	6/6/2025	WNV
Santa Clara	Santa Clara Co VCD	Santa Clara	95050	American Crow	6/30/2025	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	6/30/2025	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	Unknown - songbird	6/30/2025	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	7/1/2025	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	7/1/2025	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	California Scrub-Jay	7/2/2025	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Fresno	FRNO 257	188	Cx quinquefasciatus	Fresno	7	BGSENT	7/1/2025	WNV
Fresno	FRNO 289	214	Cx tarsalis	Fresno	16	BGSENT	7/10/2025	WNV
Fresno	FRNO 296	210	Cx quinquefasciatus	Fresno	36	BGSENT	7/9/2025	WNV
Fresno	FRNO 87	195	Cx quinquefasciatus	Fresno	50	BGSENT	7/2/2025	WNV
Kern	KERN 127	208	Cx quinquefasciatus	Bakersfield	50	GRVD	7/1/2025	WNV
Kern	KERN 2020	213	Cx quinquefasciatus	Bakersfield	23	GRVD	7/2/2025	WNV
Kern	KERN 2024	216	Cx quinquefasciatus	Bakersfield	29	GRVD	7/3/2025	WNV
Kern	KERN 3066	211	Cx quinquefasciatus	Lamont	21	GRVD	7/1/2025	WNV
Kings	KNGS 3099	70	Cx tarsalis	Hanford	50	CO2	7/2/2025	WNV
Kings	KNGS 8010	73	Cx tarsalis	Hanford	27	CO2	7/2/2025	WNV
Los Angeles	GRLA 3044	414	Cx quinquefasciatus	South El Monte	50	GRVD	7/2/2025	WNV
Los Angeles	GRLA 3076	5460	Cx quinquefasciatus	Valley Glen	50	GRVD	6/30/2025	WNV
Los Angeles	GRLA 3097	5451	Cx quinquefasciatus	Arleta	50	GRVD	6/30/2025	WNV
Madera	MADR 12345	127	Cx tarsalis	Madera	50	CO2	7/8/2025	WNV
Madera	MADR 12362	149	Cx tarsalis	Madera	50	CO2	7/9/2025	WNV
Madera	MADR 12364	153	Cx tarsalis	Madera	41	CO2	7/9/2025	WNV
Madera	MADR 12410	141	Cx tarsalis	Parkwood	50	CO2	7/9/2025	WNV
Madera	MADR 12620	152	Cx tarsalis	Parkwood	26	CO2	7/9/2025	WNV
Madera	MADR 12628	134	Cx tarsalis	Fresno	50	CO2	7/8/2025	WNV
Madera	MADR 227	123	Cx tarsalis	Madera	50	CO2	7/3/2025	WNV
Madera	MADR 227	124	Cx quinquefasciatus	Madera	50	CO2	7/3/2025	WNV
Madera	MADR 227	155	Cx tarsalis	Madera	50	CO2	7/9/2025	WNV
Madera	MADR 237	117	Cx tarsalis	Madera	50	CO2	7/3/2025	WNV
Madera	MADR 237	161	Cx tarsalis	Madera	50	CO2	7/9/2025	WNV
Madera	MADR 259	118	Cx tarsalis	Madera	50	CO2	7/3/2025	WNV
Madera	MADR 634	119	Cx tarsalis	Madera	50	CO2	7/3/2025	WNV
Madera	MADR 634	159	Cx tarsalis	Madera	50	CO2	7/9/2025	WNV
Madera	MADR 688	109	Cx tarsalis	Madera	50	CO2	7/2/2025	WNV
Madera	MADR 726	154	Cx tarsalis	Madera	50	CO2	7/9/2025	WNV
Madera	MADR 732	116	Cx tarsalis	Madera	50	CO2	7/3/2025	WNV
Madera	MADR 732	143	Cx tarsalis	Madera	17	CO2	7/9/2025	WNV
Madera	MADR 768	145	Cx tarsalis	Madera	27	CO2	7/9/2025	WNV
Madera	MADR 975	157	Cx tarsalis	Madera	50	CO2	7/9/2025	WNV
Merced	MERC 1037	320	Cx tarsalis	Merced	50	CO2	7/9/2025	WNV

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Placer	PLCR 1113	942	Cx tarsalis	Pleasant Grove	50	CO2	7/8/2025	WNV
Placer	PLCR 1113	943	Cx tarsalis	Pleasant Grove	50	CO2	7/8/2025	WNV
Placer	PLCR 1113	944	Cx tarsalis	Pleasant Grove	25	CO2	7/8/2025	WNV
Placer	PLCR 1113	945	Cx pipiens	Pleasant Grove	2	CO2	7/8/2025	WNV
Placer	PLCR 139	915	Cx tarsalis	Roseville	50	CO2	7/8/2025	WNV
Placer	PLCR 17	962	Cx tarsalis	Sheridan	50	CO2	7/8/2025	WNV
Placer	PLCR 191218	923	Cx tarsalis	Roseville	50	CO2	7/8/2025	WNV
Placer	PLCR 191998	926	Cx tarsalis	Lincoln	26	CO2	7/8/2025	WNV
Placer	PLCR 194232	952	Cx tarsalis	Pleasant Grove	50	CO2	7/8/2025	WNV
Placer	PLCR 194232	954	Cx tarsalis	Pleasant Grove	50	CO2	7/8/2025	WNV
Placer	PLCR 197802	1023	Cx tarsalis	Elverta	50	CO2	7/10/2025	WNV
Placer	PLCR 197802	1024	Cx tarsalis	Elverta	50	CO2	7/10/2025	WNV
Placer	PLCR 197802	1025	Cx tarsalis	Elverta	50	CO2	7/10/2025	WNV
Placer	PLCR 197802	1027	Cx tarsalis	Elverta	50	CO2	7/10/2025	WNV
Sacramento	SAYO 203032	1818	Cx tarsalis	Sacramento	9	CO2	7/8/2025	WNV
Sacramento	SAYO 203032	1827	Cx pipiens	Sacramento	3	GRVD	7/8/2025	WNV
Sacramento	SAYO 233027	1814	Cx tarsalis	Elk Grove	43	CO2	7/8/2025	WNV
San Diego	SAND 24133	16793	Cx quinquefasciatus	San Diego	20	GRVD	7/8/2025	WNV
San Diego	SAND 24133	16794	Cx quinquefasciatus	San Diego	20	GRVD	7/8/2025	WNV
San Diego	SAND 24133	16797	Cx quinquefasciatus	San Diego	20	GRVD	7/8/2025	WNV
San Diego	SAND 24133	16798	Cx quinquefasciatus	San Diego	20	GRVD	7/8/2025	WNV
San Diego	SAND 24152	16802	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24152	16803	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24152	16804	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24154	16811	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24156	16806	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24156	16807	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24170	16758	Cx quinquefasciatus	La Mesa	9	GRVD	7/3/2025	WNV
San Diego	SAND 24170	16759	Cx quinquefasciatus	La Mesa	9	GRVD	7/3/2025	WNV
San Diego	SAND 24171	16751	Cx quinquefasciatus	La Mesa	10	GRVD	7/3/2025	WNV
San Diego	SAND 24172	16726	Cx quinquefasciatus	La Mesa	10	GRVD	7/3/2025	WNV
San Diego	SAND 24186	16815	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24187	16818	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24188	16821	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24188	16822	Cx quinquefasciatus	La Mesa	13	GRVD	7/8/2025	WNV
San Diego	SAND 24189	16823	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24189	16824	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24189	16825	Cx quinquefasciatus	La Mesa	20	GRVD	7/8/2025	WNV
San Diego	SAND 24189	16828	Cx quinquefasciatus	La Mesa	6	GRVD	7/8/2025	WNV
San Diego	SAND 24194	16863	Cx quinquefasciatus	La Mesa	20	GRVD	7/10/2025	WNV
San Diego	SAND 24195	16866	Cx quinquefasciatus	La Mesa	20	GRVD	7/10/2025	WNV
San Diego	SAND 24201	16860	Cx quinquefasciatus	La Mesa	19	GRVD	7/10/2025	WNV
San Diego	SAND 67	16836	Cx tarsalis	Oceanside	1	CO2	7/8/2025	WNV
San Joaquin	SJCM 8100	1035	Cx tarsalis	Tracy	50	CO2	7/8/2025	WNV
San Joaquin	SJCM 8248	1004	Cx pipiens	Tracy	12	CO2	7/8/2025	WNV
Shasta	SHAS 375	171	Cx tarsalis	Bella Vista	36	CO2	7/9/2025	WNV
Stanislaus	EAST 2021	25154	Cx pipiens	Modesto	37	GRVD	7/2/2025	WNV
Stanislaus	EAST 2021	25133	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2021	25134	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2021	25135	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2044	25129	Cx pipiens	Modesto	13	GRVD	6/25/2025	WNV
Stanislaus	EAST 2050	25128	Cx pipiens	Modesto	39	GRVD	6/25/2025	WNV
Stanislaus	EAST 2051	25130	Cx pipiens	Modesto	12	GRVD	6/25/2025	WNV
Stanislaus	EAST 2052	25125	Cx pipiens	Modesto	50	GRVD	6/25/2025	WNV
Stanislaus	EAST 2090	25146	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2091	25139	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2091	25140	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2091	25141	Cx pipiens	Modesto	41	GRVD	6/26/2025	WNV
Stanislaus	EAST 2093	25149	Cx pipiens	Modesto	50	GRVD	6/26/2025	WNV
Stanislaus	EAST 2094	25155	Cx pipiens	Modesto	50	GRVD	7/2/2025	WNV
Stanislaus	TRLK 1673	334	Cx tarsalis	Patterson	50	CO2	7/8/2025	WNV

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Sutter	SUYA 145	326	Cx tarsalis	Yuba City	16	CO2	7/8/2025	WNV
Tulare	DLTA 509377	2172	Cx quinquefasciatus	Visalia	29	BGSENT	7/8/2025	WNV
Tulare	DLTA 509392	2142	Cx quinquefasciatus	Visalia	10	GRVD	7/3/2025	WNV
Tulare	DLTA 509402	2114	Cx quinquefasciatus	Dinuba	21	GRVD	7/3/2025	WNV
Tulare	DLTA 509427	2106	Cx quinquefasciatus	Visalia	50	BGSENT	7/3/2025	WNV
Tulare	DLTA 509427	2108	Cx quinquefasciatus	Visalia	50	BGSENT	7/3/2025	WNV
Tulare	DLTA 509427	2110	Cx quinquefasciatus	Visalia	19	BGSENT	7/3/2025	WNV
Tulare	DLTA 509463	2227	Cx quinquefasciatus	Visalia	22	BGSENT	7/9/2025	WNV
Tulare	DLTA 509467	2212	Cx quinquefasciatus	Visalia	14	GRVD	7/9/2025	WNV
Tulare	DLTA 509467	2214	Cx quinquefasciatus	Visalia	11	BGSENT	7/9/2025	WNV
Tulare	DLTA 509468	2143	Cx quinquefasciatus	Ivanhoe Udb	50	GRVD	7/3/2025	WNV
Tulare	DLTA 509468	2144	Cx quinquefasciatus	Ivanhoe Udb	24	GRVD	7/3/2025	WNV
Tulare	DLTA 509482	2192	Cx quinquefasciatus	Visalia	30	CO2	7/9/2025	WNV
Tulare	DLTA 509509	2173	Cx quinquefasciatus	Visalia	32	BGSENT	7/8/2025	WNV
Tulare	DLTA 509601	2197	Cx quinquefasciatus	Visalia	50	CO2	7/9/2025	WNV
Tulare	DLTA 509601	2198	Cx quinquefasciatus	Visalia	50	CO2	7/9/2025	WNV
Tulare	DLTA 509601	2199	Cx quinquefasciatus	Visalia	50	CO2	7/9/2025	WNV
Tulare	DLTA 509601	2200	Cx quinquefasciatus	Visalia	50	CO2	7/9/2025	WNV
Tulare	DLTA 509688	2100	Cx quinquefasciatus	Visalia	42	CO2	7/3/2025	WNV
Tulare	DLTA 509690	2193	Cx quinquefasciatus	Visalia	32	CO2	7/9/2025	WNV
Tulare	DLTA 509690	2194	Cx tarsalis	Visalia	19	CO2	7/9/2025	WNV
Tulare	DLTA 509723	2225	Cx quinquefasciatus	Visalia	17	BGSENT	7/9/2025	WNV
Tulare	DLTA 509758	2130	Cx quinquefasciatus	Visalia	50	BGSENT	7/3/2025	WNV
Tulare	DLTA 509758	2165	Cx quinquefasciatus	Visalia	50	BGSENT	7/8/2025	WNV
Tulare	DLTA 509805	2183	Cx quinquefasciatus	Farmersville	30	BGSENT	7/8/2025	WNV
Tulare	DLTA 509844	2215	Cx quinquefasciatus	Dinuba	16	GRVD	7/9/2025	WNV
Tulare	DLTA 509846	2189	Cx quinquefasciatus	Dinuba	19	GRVD	7/8/2025	WNV
Tulare	DLTA 509858	2139	Cx quinquefasciatus	Woodlake	22	GRVD	7/3/2025	WNV
Tulare	DLTA 509933	2216	Cx quinquefasciatus	Visalia	14	GRVD	7/9/2025	WNV
Tulare	DLTA 509935	2104	Cx quinquefasciatus	Visalia	28	GRVD	7/3/2025	WNV
Tulare	DLTA 509944	2208	Cx quinquefasciatus	Visalia Uab	10	GRVD	7/9/2025	WNV
Tulare	DLTA 509945	2123	Cx quinquefasciatus	Visalia Uab	13	BGSENT	7/3/2025	WNV
Tulare	DLTA 509954	2147	Cx quinquefasciatus	Visalia	28	GRVD	7/8/2025	WNV
Tulare	DLTA 509963	2209	Cx quinquefasciatus	Visalia	19	GRVD	7/9/2025	WNV
Tulare	DLTA 509969	2177	Cx quinquefasciatus	Visalia	31	BGSENT	7/8/2025	WNV
Tulare	DLTA 509972	2141	Cx quinquefasciatus	Visalia	19	GRVD	7/3/2025	WNV
Tulare	DLTA 509986	2122	Cx quinquefasciatus	Visalia	33	BGSENT	7/3/2025	WNV
Tulare	DLTA 509997	2191	Cx stigmatosoma	Dinuba	10	GRVD	7/8/2025	WNV
Tulare	DLTA 512177	2154	Cx quinquefasciatus	Visalia	24	BGSENT	7/8/2025	WNV
Tulare	DLTA 512178	2135	Cx quinquefasciatus	Visalia	12	BGSENT	7/3/2025	WNV
Tulare	DLTA 512181	2150	Cx stigmatosoma	Exeter	10	GRVD	7/8/2025	WNV
Tulare	TLRE 192427	42	Cx quinquefasciatus	Tulare	50	GRVD	6/27/2025	WNV
Tulare	TLRE 192507	44	Cx quinquefasciatus	Visalia	50	GRVD	7/1/2025	WNV
Tulare	TLRE 192517	43	Cx quinquefasciatus	Tulare	50	GRVD	7/1/2025	WNV
Tulare	TLRE 202404	46	Cx quinquefasciatus	Tulare	47	GRVD	7/2/2025	WNV
Tulare	TLRE 202413	45	Cx quinquefasciatus	Tulare	50	GRVD	7/2/2025	WNV
Yuba	SUYA 55	332	Cx tarsalis	Linda	50	CO2	7/8/2025	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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