

California Arbovirus Surveillance Bulletin #10

Week 25 Friday, June 20, 2025



WEEKLY UPDATE

Humans

No human infections have been reported in 2025.

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

There were no new West Nile virus (WNV) positive dead birds reported this week. In 2025, a total of 17 WNV positive dead birds have been reported from 4 counties. At this time last year, 43 WNV positive dead birds had been reported from 9 counties.

Mosquito Pools

West Nile virus

A total of 71 new WNV positive mosquito pools were reported from 7 counties: Imperial (1), Kern (6), Placer (1), San Joaquin (4), Stanislaus (2), Tulare (56), and Yolo (1). **These are the first detections of WNV activity in Imperial, Placer, San Joaquin, Stanislaus, and Yolo counties this year.** In 2025, a total of 199 WNV positive mosquito pools have been reported from 10 counties. At this time last year, 137 WNV positive mosquito pools had been reported from 9 counties.

St. Louis encephalitis virus

A single (1) new St. Louis encephalitis virus (SLEV) positive mosquito pool was reported from 1 county: Riverside (1). In 2025, 1 SLEV positive mosquito pool has been reported from 1 county: Riverside (1). At this time last year, 8 SLEV positive mosquito pools had been reported from 2 counties.

Sentinel Chickens

No seroconversions have been reported in 2025.

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	2,721	4,224
No. Positive Counties	15	13
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	43 / 650	17 / 697
No. Positive Mosquito Pools / No. Tested	137 / 14,063	199 / 13,897
No. Seroconversions / No. Tested	0 / 1,079	0 / 979

California Arbovirus Surveillance Bulletin #10

Week 25 Friday, June 20, 2025

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Imperial				1	
Kern				7	
Placer				1	
Riverside				1	
Sacramento				1	
San Bernardino				1	
San Diego			2		
Santa Clara			7		
San Joaquin				4	
Stanislaus				2	
Tulare			3	180	
Yolo				1	
Totals			17	199	

TESTING SUMMARIES

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

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
Dead Birds	Week	0 / 80					
	YTD	17 / 617					
Chicken Sera	Week	0 / 169	0 / 169	0 / 169			
	YTD	0 / 979	0 / 979	0 / 979			
Mosquito Pools	Week	71 / 1,481	1 / 1,454	0 / 1,454	0 / 0	0 / 0	0 / 0
	YTD	199 / 13,897	1 / 12,998	0 / 13,000	0 / 31	0 / 31	0 / 31

POSITIVES

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Imperial	IMPR 51	136	Cx tarsalis	Imperial	9	BGSENT	6/16/2025	WNV
Kern	KERN 1006	136	Cx quinquefasciatus	Bakersfield	34	GRVD	6/13/2025	WNV
Kern	KERN 1138	138	Cx quinquefasciatus	Bakersfield	50	GRVD	6/13/2025	WNV
Kern	KERN 121	123	Cx quinquefasciatus	Bakersfield	50	GRVD	6/11/2025	WNV

California Arbovirus Surveillance Bulletin #10

Week 25 Friday, June 20, 2025

Kern	KERN 2018	135	Cx quinquefasciatus	Bakersfield	35	GRVD	6/13/2025	WNV
Kern	KERN 2027	105	Cx quinquefasciatus	Bakersfield	39	CO2	6/10/2025	WNV
Kern	KERN 3004	133	Cx quinquefasciatus	Bakersfield	44	CO2	6/13/2025	WNV
Placer	PLCR 139	547	Cx pipiens	Roseville	11	CO2	6/17/2025	WNV
Riverside	COAV 533	3050	Cx tarsalis	Mecca	18	CO2	6/17/2025	SLEV
San Joaquin	SJCM 8003	484	Cx tarsalis	Tracy	50	CO2	6/17/2025	WNV
San Joaquin	SJCM 8003	485	Cx tarsalis	Tracy	43	CO2	6/17/2025	WNV
San Joaquin	SJCM 8056	508	Cx tarsalis	Manteca	34	FAYPRINCE	6/17/2025	WNV
San Joaquin	SJCM 8100	463	Cx tarsalis	Tracy	31	CO2	6/17/2025	WNV
Stanislaus	EAST 2044	25062	Cx pipiens	Modesto	47	GRVD	6/12/2025	WNV
Stanislaus	TRLK 1107	170	Cx pipiens	Denair	23	CO2	6/17/2025	WNV
Tulare	DLTA 509237	1510	Cx quinquefasciatus	Visalia	29	BGSENT	6/11/2025	WNV
Tulare	DLTA 509251	1552	Cx quinquefasciatus	Dinuba	14	BGSENT	6/13/2025	WNV
Tulare	DLTA 509387	1488	Cx quinquefasciatus	Exeter	10	GRVD	6/11/2025	WNV
Tulare	DLTA 509387	1663	Cx quinquefasciatus	Exeter	28	GRVD	6/18/2025	WNV
Tulare	DLTA 509390	1480	Cx quinquefasciatus	Visalia	14	GRVD	6/11/2025	WNV
Tulare	DLTA 509395	1661	Cx quinquefasciatus	Visalia	11	GRVD	6/18/2025	WNV
Tulare	DLTA 509412	1666	Cx quinquefasciatus	Visalia	14	BGSENT	6/18/2025	WNV
Tulare	DLTA 509412	1697	Cx quinquefasciatus	Visalia	13	GRVD	6/18/2025	WNV
Tulare	DLTA 509437	1530	Cx quinquefasciatus	Visalia	10	BGSENT	6/12/2025	WNV
Tulare	DLTA 509463	1662	Cx quinquefasciatus	Visalia	11	GRVD	6/18/2025	WNV
Tulare	DLTA 509467	1490	Cx quinquefasciatus	Visalia	26	BGSENT	6/11/2025	WNV
Tulare	DLTA 509467	1491	Cx tarsalis	Visalia	17	BGSENT	6/11/2025	WNV
Tulare	DLTA 509475	1620	Cx quinquefasciatus	Visalia	14	GRVD	6/17/2025	WNV
Tulare	DLTA 509491	1563	Cx quinquefasciatus	Farmersville	13	GRVD	6/13/2025	WNV
Tulare	DLTA 509495	1520	Cx quinquefasciatus	Visalia	10	GRVD	6/12/2025	WNV
Tulare	DLTA 509506	1684	Cx quinquefasciatus	Visalia	50	BGSENT	6/18/2025	WNV
Tulare	DLTA 509534	1560	Cx quinquefasciatus	Visalia	16	GRVD	6/13/2025	WNV
Tulare	DLTA 509567	1501	Cx quinquefasciatus	Visalia	50	BGSENT	6/11/2025	WNV
Tulare	DLTA 509567	1690	Cx quinquefasciatus	Visalia	50	BGSENT	6/18/2025	WNV
Tulare	DLTA 509689	1619	Cx quinquefasciatus	Visalia	29	GRVD	6/17/2025	WNV
Tulare	DLTA 509758	1643	Cx quinquefasciatus	Visalia	50	BGSENT	6/17/2025	WNV
Tulare	DLTA 509758	1644	Cx quinquefasciatus	Visalia	25	BGSENT	6/17/2025	WNV
Tulare	DLTA 509779	1562	Cx quinquefasciatus	Visalia	19	GRVD	6/13/2025	WNV
Tulare	DLTA 509866	1699	Cx quinquefasciatus	Visalia	14	BGSENT	6/18/2025	WNV
Tulare	DLTA 509868	1671	Cx quinquefasciatus	Farmersville	25	GRVD	6/18/2025	WNV
Tulare	DLTA 509877	1682	Cx quinquefasciatus	Farmersville	24	BGSENT	6/18/2025	WNV
Tulare	DLTA 509878	1629	Cx quinquefasciatus	Farmersville	28	BGSENT	6/17/2025	WNV
Tulare	DLTA 509886	1579	Cx quinquefasciatus	Visalia	13	GRVD	6/13/2025	WNV
Tulare	DLTA 509889	1639	Cx quinquefasciatus	Visalia	33	BGSENT	6/17/2025	WNV
Tulare	DLTA 509894	1628	Cx quinquefasciatus	Visalia	15	BGSENT	6/17/2025	WNV
Tulare	DLTA 509898	1622	Cx quinquefasciatus	Visalia	16	GRVD	6/17/2025	WNV
Tulare	DLTA 509898	1636	Cx quinquefasciatus	Visalia	12	BGSENT	6/17/2025	WNV
Tulare	DLTA 509935	1543	Cx quinquefasciatus	Visalia	32	BGSENT	6/12/2025	WNV
Tulare	DLTA 509937	1534	Cx quinquefasciatus	Visalia	37	GRVD	6/12/2025	WNV
Tulare	DLTA 509947	1593	Cx quinquefasciatus	Visalia	15	BGSENT	6/13/2025	WNV
Tulare	DLTA 509950	1623	Cx quinquefasciatus	Visalia	30	GRVD	6/17/2025	WNV
Tulare	DLTA 509954	1640	Cx quinquefasciatus	Visalia	28	BGSENT	6/17/2025	WNV
Tulare	DLTA 509956	1588	Cx quinquefasciatus	Visalia	26	GRVD	6/13/2025	WNV
Tulare	DLTA 509960	1572	Cx quinquefasciatus	Visalia	38	BGSENT	6/13/2025	WNV
Tulare	DLTA 509963	1497	Cx quinquefasciatus	Visalia	44	GRVD	6/11/2025	WNV
Tulare	DLTA 509965	1547	Cx quinquefasciatus	Visalia	10	BGSENT	6/12/2025	WNV
Tulare	DLTA 509975	1615	Cx quinquefasciatus	Visalia	13	BGSENT	6/13/2025	WNV
Tulare	DLTA 509984	1569	Cx quinquefasciatus	Visalia	50	BGSENT	6/13/2025	WNV
Tulare	DLTA 509989	1616	Cx quinquefasciatus	Visalia	17	GRVD	6/17/2025	WNV
Tulare	DLTA 512177	1625	Cx quinquefasciatus	Visalia	22	GRVD	6/17/2025	WNV
Tulare	DLTA 512178	1514	Cx quinquefasciatus	Visalia	29	BGSENT	6/12/2025	WNV
Tulare	TLRE 192412	12	Cx quinquefasciatus	Visalia	42	GRVD	6/11/2025	WNV
Tulare	TLRE 192436	17	Cx quinquefasciatus	Tulare	50	GRVD	6/12/2025	WNV
Tulare	TLRE 192508	10	Cx quinquefasciatus	Visalia	50	GRVD	6/11/2025	WNV
Tulare	TLRE 192508	11	Cx quinquefasciatus	Visalia	50	GRVD	6/11/2025	WNV

California Arbovirus Surveillance Bulletin #10

Week 25 Friday, June 20, 2025

Tulare	TLRE 192517	9	Cx quinquefasciatus	Tulare	38	GRVD	6/11/2025	WNV
Tulare	TLRE 202412	14	Cx quinquefasciatus	Tulare	46	GRVD	6/12/2025	WNV
Tulare	TLRE 202415	8	Cx quinquefasciatus	Tulare	43	GRVD	6/10/2025	WNV
Tulare	TLRE 202415	20	Cx quinquefasciatus	Tulare	50	GRVD	6/12/2025	WNV
Tulare	TLRE 202506	15	Cx quinquefasciatus	Tulare	33	GRVD	6/12/2025	WNV
Tulare	TLRE 202507	4	Cx quinquefasciatus	Tulare	50	GRVD	6/10/2025	WNV
Yolo	SAYO 145013	956	Cx pipiens	Davis	24	GRVD	6/17/2025	WNV

California Arbovirus Surveillance Bulletin #10

Week 25 Friday, June 20, 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