

California Arbovirus Surveillance Bulletin #9

Week 24 Friday, June 13, 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

A total of 4 new West Nile virus (WNV) positive dead birds were reported this week from 2 counties: Santa Clara (1) and Tulare (3). **These are the first WNV positive dead birds from Tulare County this year.** In 2025, a total of 17 WNV positive dead birds have been reported from 4 counties. At this time last year, 31 WNV positive dead birds had been reported from 8 counties.

Mosquito Pools

A total of 54 new WNV positive mosquito pools were reported from 3 counties: Kern (1), Sacramento (1), and Tulare (52). **These are the first detections of WNV activity in Kern County and Sacramento County this year.** In 2025, a total of 128 WNV positive mosquito pools have been reported from 5 counties. At this time last year, 111 WNV positive mosquito pools had been reported from 9 counties.

Sentinel Chickens

No seroconversions have been reported in 2025.

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	2,455	4,037
No. Positive Counties	14	8
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	31 / 537	17 / 617
No. Positive Mosquito Pools / No. Tested	111 / 12,783	128 / 12,018
No. Seroconversions / No. Tested	0 / 956	0 / 810

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YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Kern				1	
Riverside				1	
Sacramento				1	
San Bernardino				1	
San Diego			2		
Santa Clara			7		
Tulare			3	124	
Totals			17	128	

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	4 / 73					
	YTD	17 / 617					
Chicken Sera	Week	0 / 165	0 / 165	0 / 165			
	YTD	0 / 810	0 / 810	0 / 810			
Mosquito Pools	Week	54 / 1,588	0 / 1,586	0 / 1,588	0 / 10	0 / 10	0 / 10
	YTD	128 / 12,018	0 / 11,454	0 / 11,456	0 / 31	0 / 31	0 / 31

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Santa Clara	Santa Clara Co VCD	San Jose	95136	Unknown - Crow or Raven	6/4/2025	WNV
Tulare	Delta MVCD	Visalia	93291	California Scrub-Jay	6/6/2025	WNV
Tulare	Delta MVCD	Visalia	93277	California Scrub-Jay	6/7/2025	WNV

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Tulare	Delta MVCD	Visalia	93277	California Scrub-Jay	6/12/2025	WNV
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Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Kern	KERN 2015	97	Cx quinquefasciatus	Bakersfield	22	GRVD	06/06/2025	WNV
Sacramento	SAYO 203037	681	Cx pipiens	Elverta	37	GRVD	06/10/2025	WNV
Tulare	DLTA 509358	1109	Cx quinquefasciatus	Visalia	27	BGSENT	05/30/2025	WNV
Tulare	DLTA 509325	1263	Cx quinquefasciatus	Visalia	23	BGSENT	06/04/2025	WNV
Tulare	DLTA 509391	1279	Cx quinquefasciatus	Visalia	16	GRVD	06/05/2025	WNV
Tulare	DLTA 509412	1216	Cx quinquefasciatus	Visalia	46	GRVD	06/04/2025	WNV
Tulare	DLTA 509412	1460	Cx quinquefasciatus	Visalia	2	CO2	06/10/2025	WNV
Tulare	DLTA 509449	1344	Cx quinquefasciatus	Visalia	11	GRVD	06/06/2025	WNV
Tulare	DLTA 509449	1372	Cx quinquefasciatus	Visalia	32	BGSENT	06/06/2025	WNV
Tulare	DLTA 509475	1459	Cx quinquefasciatus	Visalia	21	BGSENT	06/10/2025	WNV
Tulare	DLTA 509491	1329	Cx quinquefasciatus	Farmersville	25	GRVD	06/06/2025	WNV
Tulare	DLTA 509494	1417	Cx quinquefasciatus	Exeter	50	GRVD	06/10/2025	WNV
Tulare	DLTA 509495	1271	Cx quinquefasciatus	Visalia	10	GRVD	06/05/2025	WNV
Tulare	DLTA 509509	1429	Cx quinquefasciatus	Visalia	12	BGSENT	06/10/2025	WNV
Tulare	DLTA 509527	1361	Cx quinquefasciatus	Visalia	14	GRVD	06/06/2025	WNV
Tulare	DLTA 509534	1355	Cx quinquefasciatus	Visalia	19	BGSENT	06/06/2025	WNV
Tulare	DLTA 509541	1257	Cx quinquefasciatus	Visalia	27	GRVD	06/04/2025	WNV
Tulare	DLTA 509562	1424	Cx quinquefasciatus	Visalia	36	BGSENT	06/10/2025	WNV
Tulare	DLTA 509563	1322	Cx quinquefasciatus	Visalia	30	GRVD	06/06/2025	WNV
Tulare	DLTA 509583	1364	Cx quinquefasciatus	Visalia	17	CO2	06/06/2025	WNV
Tulare	DLTA 509689	1435	Cx quinquefasciatus	Visalia	28	BGSENT	06/10/2025	WNV
Tulare	DLTA 509779	1351	Cx quinquefasciatus	Visalia	49	GRVD	06/06/2025	WNV
Tulare	DLTA 509780	1418	Cx quinquefasciatus	Visalia	32	GRVD	06/10/2025	WNV
Tulare	DLTA 509786	1385	Cx quinquefasciatus	Visalia	12	GRVD	06/10/2025	WNV
Tulare	DLTA 509802	1280	Cx quinquefasciatus	Visalia	17	BGSENT	06/05/2025	WNV
Tulare	DLTA 509878	1419	Cx quinquefasciatus	Farmersville	50	GRVD	06/10/2025	WNV
Tulare	DLTA 509886	1335	Cx quinquefasciatus	Visalia	18	GRVD	06/06/2025	WNV
Tulare	DLTA 509887	1299	Cx quinquefasciatus	Visalia	50	BGSENT	06/05/2025	WNV
Tulare	DLTA 509888	1249	Cx quinquefasciatus	Visalia	50	BGSENT	06/04/2025	WNV
Tulare	DLTA 509889	1449	Cx quinquefasciatus	Visalia	33	GRVD	06/10/2025	WNV
Tulare	DLTA 509889	1453	Cx quinquefasciatus	Visalia	28	BGSENT	06/10/2025	WNV
Tulare	DLTA 509898	1384	Cx quinquefasciatus	Visalia	39	GRVD	06/10/2025	WNV
Tulare	DLTA 509898	1428	Cx quinquefasciatus	Visalia	35	BGSENT	06/10/2025	WNV
Tulare	DLTA 509899	1445	Cx quinquefasciatus	Visalia	14	BGSENT	06/10/2025	WNV
Tulare	DLTA 509900	1232	Cx quinquefasciatus	Visalia	20	BGSENT	06/04/2025	WNV
Tulare	DLTA 509901	1352	Cx quinquefasciatus	Visalia	22	BGSENT	06/06/2025	WNV
Tulare	DLTA 509902	1293	Cx quinquefasciatus	Visalia	15	GRVD	06/05/2025	WNV
Tulare	DLTA 509918	1434	Cx quinquefasciatus	Visalia	11	BGSENT	06/10/2025	WNV
Tulare	DLTA 509918	1450	Cx quinquefasciatus	Visalia	11	GRVD	06/10/2025	WNV
Tulare	DLTA 509924	1304	Cx quinquefasciatus	Visalia	22	BGSENT	06/05/2025	WNV
Tulare	DLTA 509932	1388	Cx quinquefasciatus	Visalia	22	GRVD	06/10/2025	WNV
Tulare	DLTA 509932	1444	Cx quinquefasciatus	Visalia	15	BGSENT	06/10/2025	WNV
Tulare	DLTA 509938	1387	Cx quinquefasciatus	Visalia	18	GRVD	06/10/2025	WNV
Tulare	DLTA 509946	1262	Cx quinquefasciatus	Visalia	26	GRVD	06/04/2025	WNV
Tulare	DLTA 509948	1307	Cx quinquefasciatus	Visalia	30	BGSENT	06/05/2025	WNV
Tulare	DLTA 509949	1354	Cx quinquefasciatus	Visalia	29	GRVD	06/06/2025	WNV
Tulare	DLTA 509954	1455	Cx tarsalis	Visalia	38	BGSENT	06/10/2025	WNV
Tulare	DLTA 509963	1233	Cx quinquefasciatus	Visalia	27	BGSENT	06/04/2025	WNV
Tulare	DLTA 509964	1331	Cx quinquefasciatus	Visalia	50	GRVD	06/06/2025	WNV
Tulare	DLTA 509969	1441	Cx quinquefasciatus	Visalia	45	BGSENT	06/10/2025	WNV
Tulare	DLTA 509974	1228	Cx quinquefasciatus	Visalia	10	GRVD	06/04/2025	WNV
Tulare	DLTA 509989	1427	Cx quinquefasciatus	Visalia	10	BGSENT	06/10/2025	WNV
Tulare	DLTA 512177	1391	Cx quinquefasciatus	Visalia	41	GRVD	06/10/2025	WNV
Tulare	DLTA 512178	1290	Cx quinquefasciatus	Visalia	19	BGSENT	06/05/2025	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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