

# California Arbovirus Surveillance Bulletin #11

Week 26 Friday, June 27, 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: Tulare (1). **This is the first human case of WNV disease reported in California in 2025.** In 2025, 1 human case of WNV disease has been reported from 1 county. 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 2 new WNV positive dead birds were reported this week from 1 county: San Diego (2). In 2025, a total of 19 WNV positive dead birds have been reported from 4 counties. At this time last year, 61 WNV positive dead birds had been reported from 10 counties.

### Mosquito Pools

#### West Nile virus

A total of 94 new WNV positive mosquito pools were reported from 7 counties: Fresno (5), Kern (6), Merced (1), Placer (1), San Joaquin (4), Stanislaus (8), and Tulare (69). **These are the first detections of WNV activity in Fresno and Merced counties this year.** In 2025, a total of 293 WNV positive mosquito pools have been reported from 12 counties. At this time last year, 203 WNV positive mosquito pools had been reported from 14 counties.

#### St. Louis encephalitis virus

No new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week. In 2025, 1 SLEV positive mosquito pool has been reported from 1 county: Riverside (1). At this time last year, 9 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	2,973	4,401
No. Positive Counties	18	15
No. Human Cases	0	1
No. Positive Dead Birds / No. Tested	61 / 720	19 / 739
No. Positive Mosquito Pools / No. Tested	203 / 16,485	293 / 15,786
No. Seroconversions / No. Tested	0 / 1,356	0 / 1,114

## California Arbovirus Surveillance Bulletin #11

Week 26 Friday, June 27, 2025

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Fresno				5	
Imperial				1	
Kern				13	
Merced				1	
Placer				2	
Riverside				1	
Sacramento				1	
San Bernardino				1	
San Diego			4		
San Joaquin				8	
Santa Clara			7		
Stanislaus				10	
Tulare			3	249	
Yolo				1	
<b>Totals</b>			<b>19</b>	<b>293</b>	

### TESTING SUMMARIES

		WNV	SLEV	WEEV
<b>Human Cases</b>	Week	1	0	0
	YTD	1	0	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
<b>Dead Birds</b>	Week	2 / 41					
	YTD	19 / 739					
<b>Chicken Sera</b>	Week	0 / 135	0 / 135	0 / 135			
	YTD	0 / 1,114	0 / 1,114	0 / 1,114			
<b>Mosquito Pools</b>	Week	94 / 1,705	0 / 1,705	0 / 1,705	0 / 1	0 / 1	0 / 1
	YTD	293 / 15,786	1 / 14,887	0 / 14,889	0 / 41	0 / 41	0 / 41

### POSITIVES

#### Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
San Diego	San Diego Co VCP	San Diego	92115	American Crow	6/19/2025	WNV
San Diego	San Diego Co VCP	San Diego	92115	Cooper's Hawk	6/20/2025	WNV

## California Arbovirus Surveillance Bulletin #11

Week 26 Friday, June 27, 2025

### Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Fresno	CNSL 1210	180	Cx quinquefasciatus	Fresno	50	GRVD	6/19/2025	WNV
Fresno	CNSL 1486	165	Cx quinquefasciatus	Fresno	50	GRVD	6/18/2025	WNV
Fresno	CNSL 7	182	Cx tarsalis	Fresno	50	CO2	6/19/2025	WNV
Fresno	FRNO 136	154	Cx quinquefasciatus	Fresno	15	BGSENT	6/17/2025	WNV
Fresno	FRNO 229	159	Cx quinquefasciatus	Fresno	17	CO2	6/17/2025	WNV
Kern	KERN 135	152	Cx tarsalis	Bakersfield	27	BGSENT	6/19/2025	WNV
Kern	KERN 149	140	Cx quinquefasciatus	Bakersfield	50	BGSENT	6/17/2025	WNV
Kern	KERN 2014	151	Cx quinquefasciatus	Bakersfield	45	GRVD	6/18/2025	WNV
Kern	KERN 3004	165	Cx quinquefasciatus	Bakersfield	48	CO2	6/20/2025	WNV
Kern	KERN 3034	150	Cx quinquefasciatus	Bakersfield	33	GRVD	6/18/2025	WNV
Kern	KERN 66	153	Cx quinquefasciatus	Bakersfield	25	BGSENT	6/19/2025	WNV
Merced	MERC 492592	209	Cx pipiens	Delhi	50	BGSENT	6/25/2025	WNV
Placer	PLCR 191218	633	Cx tarsalis	Roseville	34	CO2	6/24/2025	WNV
San Joaquin	SJCM 8003	606	Cx tarsalis	Tracy	50	CO2	6/24/2025	WNV
San Joaquin	SJCM 8003	607	Cx tarsalis	Tracy	50	CO2	6/24/2025	WNV
San Joaquin	SJCM 8228	612	Cx pipiens	Escalon	7	CO2	6/24/2025	WNV
San Joaquin	SJCM 8248	624	Cx tarsalis	Tracy	45	CO2	6/24/2025	WNV
Stanislaus	EAST 2044	25112	Cx pipiens	Modesto	26	GRVD	6/19/2025	WNV
Stanislaus	EAST 2052	25109	Cx pipiens	Modesto	50	GRVD	6/19/2025	WNV
Stanislaus	EAST 2052	25110	Cx pipiens	Modesto	19	GRVD	6/19/2025	WNV
Stanislaus	EAST 2055	25098	Cx pipiens	Modesto	50	GRVD	6/18/2025	WNV
Stanislaus	EAST 2072	25072	Cx pipiens	Modesto	50	GRVD	6/13/2025	WNV
Stanislaus	EAST 2072	25078	Cx pipiens	Modesto	50	GRVD	6/13/2025	WNV
Stanislaus	EAST 2072	25079	Cx pipiens	Modesto	50	GRVD	6/13/2025	WNV
Stanislaus	EAST 2072	25107	Cx stigmatosoma	Modesto	17	GRVD	6/18/2025	WNV
Tulare	DLTA 509252	1725	Cx quinquefasciatus	Dinuba	15	BGSENT	6/19/2025	WNV
Tulare	DLTA 509298	1710	Cx quinquefasciatus	Visalia	19	GRVD	6/19/2025	WNV
Tulare	DLTA 509298	1939	Cx quinquefasciatus	Visalia	15	GRVD	6/26/2025	WNV
Tulare	DLTA 509377	1824	Cx quinquefasciatus	Visalia	13	GRVD	6/24/2025	WNV
Tulare	DLTA 509384	1905	Cx quinquefasciatus	Visalia	12	GRVD	6/25/2025	WNV
Tulare	DLTA 509387	1892	Cx quinquefasciatus	Exeter	12	BGSENT	6/25/2025	WNV
Tulare	DLTA 509395	1894	Cx quinquefasciatus	Visalia	10	BGSENT	6/25/2025	WNV
Tulare	DLTA 509395	1909	Cx quinquefasciatus	Visalia	27	GRVD	6/25/2025	WNV
Tulare	DLTA 509398	1721	Cx quinquefasciatus	Visalia	28	BGSENT	6/19/2025	WNV
Tulare	DLTA 509404	1946	Cx quinquefasciatus	Visalia	18	BGSENT	6/26/2025	WNV
Tulare	DLTA 509406	1716	Cx quinquefasciatus	Visalia	15	GRVD	6/19/2025	WNV
Tulare	DLTA 509413	1822	Cx quinquefasciatus	Visalia	15	GRVD	6/24/2025	WNV
Tulare	DLTA 509417	1855	Cx quinquefasciatus	Visalia	24	BGSENT	6/24/2025	WNV
Tulare	DLTA 509427	1746	Cx quinquefasciatus	Visalia	50	BGSENT	6/19/2025	WNV
Tulare	DLTA 509427	1747	Cx quinquefasciatus	Visalia	50	BGSENT	6/19/2025	WNV
Tulare	DLTA 509427	1968	Cx quinquefasciatus	Visalia	50	BGSENT	6/26/2025	WNV
Tulare	DLTA 509427	1969	Cx quinquefasciatus	Visalia	50	BGSENT	6/26/2025	WNV
Tulare	DLTA 509428	1901	Cx tarsalis	West Goshen	15	CO2	6/25/2025	WNV
Tulare	DLTA 509431	1834	Cx quinquefasciatus	Visalia Uab	18	BGSENT	6/24/2025	WNV
Tulare	DLTA 509437	1951	Cx quinquefasciatus	Visalia	46	GRVD	6/26/2025	WNV
Tulare	DLTA 509467	1897	Cx quinquefasciatus	Visalia	10	GRVD	6/25/2025	WNV
Tulare	DLTA 509468	1957	Cx quinquefasciatus	Ivanhoe Udb	13	BGSENT	6/26/2025	WNV
Tulare	DLTA 509473	1764	Cx quinquefasciatus	Visalia	31	GRVD	6/20/2025	WNV
Tulare	DLTA 509509	1819	Cx quinquefasciatus	Visalia	37	GRVD	6/24/2025	WNV
Tulare	DLTA 509509	1852	Cx quinquefasciatus	Visalia	45	BGSENT	6/24/2025	WNV
Tulare	DLTA 509541	1891	Cx quinquefasciatus	Visalia	14	BGSENT	6/25/2025	WNV
Tulare	DLTA 509549	1935	Cx quinquefasciatus	Visalia	20	GRVD	6/26/2025	WNV
Tulare	DLTA 509551	1896	Cx quinquefasciatus	Visalia	10	GRVD	6/25/2025	WNV
Tulare	DLTA 509555	1932	Cx quinquefasciatus	Cutler-Orosi Udb	24	GRVD	6/26/2025	WNV
Tulare	DLTA 509695	1806	Cx tarsalis	Visalia	50	CO2	6/20/2025	WNV
Tulare	DLTA 509718	1438	Cx stigmatosoma	Kingsburg	19	CO2	6/10/2025	WNV
Tulare	DLTA 509729	1900	Cx quinquefasciatus	Visalia	11	CO2	6/25/2025	WNV
Tulare	DLTA 509802	1936	Cx quinquefasciatus	Visalia	39	GRVD	6/26/2025	WNV

## California Arbovirus Surveillance Bulletin #11

Week 26 Friday, June 27, 2025

Tulare	DLTA 509805	1828	Cx quinquefasciatus	Farmersville	20	GRVD	6/24/2025	WNV
Tulare	DLTA 509805	1433	Cx quinquefasciatus	Farmersville	22	BGSENT	6/10/2025	WNV
Tulare	DLTA 509844	1922	Cx stigmatosoma	Dinuba	24	GRVD	6/25/2025	WNV
Tulare	DLTA 509846	1833	Cx stigmatosoma	Dinuba	20	GRVD	6/24/2025	WNV
Tulare	DLTA 509857	1895	Cx quinquefasciatus	Woodlake	10	BGSENT	6/25/2025	WNV
Tulare	DLTA 509867	1893	Cx quinquefasciatus	Exeter Uab	10	BGSENT	6/25/2025	WNV
Tulare	DLTA 509886	1786	Cx quinquefasciatus	Visalia	48	BGSENT	6/20/2025	WNV
Tulare	DLTA 509886	1787	Cx quinquefasciatus	Visalia	10	BGSENT	6/20/2025	WNV
Tulare	DLTA 509887	1929	Cx quinquefasciatus	Visalia	28	GRVD	6/26/2025	WNV
Tulare	DLTA 509898	1845	Cx quinquefasciatus	Visalia	14	BGSENT	6/24/2025	WNV
Tulare	DLTA 509901	1776	Cx quinquefasciatus	Visalia	43	GRVD	6/20/2025	WNV
Tulare	DLTA 509945	1943	Cx quinquefasciatus	Visalia Uab	36	BGSENT	6/26/2025	WNV
Tulare	DLTA 509946	1890	Cx quinquefasciatus	Visalia	30	BGSENT	6/25/2025	WNV
Tulare	DLTA 509946	1903	Cx quinquefasciatus	Visalia	34	GRVD	6/25/2025	WNV
Tulare	DLTA 509947	1780	Cx quinquefasciatus	Visalia	14	GRVD	6/20/2025	WNV
Tulare	DLTA 509948	1961	Cx quinquefasciatus	Visalia	31	BGSENT	6/26/2025	WNV
Tulare	DLTA 509955	1739	Cx quinquefasciatus	Visalia	50	BGSENT	6/19/2025	WNV
Tulare	DLTA 509956	1766	Cx quinquefasciatus	Visalia	29	GRVD	6/20/2025	WNV
Tulare	DLTA 509957	1913	Cx quinquefasciatus	Visalia	13	GRVD	6/25/2025	WNV
Tulare	DLTA 509963	1915	Cx quinquefasciatus	Visalia	29	GRVD	6/25/2025	WNV
Tulare	DLTA 509964	1760	Cx quinquefasciatus	Visalia	26	GRVD	6/20/2025	WNV
Tulare	DLTA 509972	1711	Cx quinquefasciatus	Visalia	12	GRVD	6/19/2025	WNV
Tulare	DLTA 509972	1940	Cx quinquefasciatus	Visalia	11	GRVD	6/26/2025	WNV
Tulare	DLTA 509974	1898	Cx quinquefasciatus	Visalia	10	BGSENT	6/25/2025	WNV
Tulare	DLTA 509981	1726	Cx quinquefasciatus	Visalia	27	BGSENT	6/19/2025	WNV
Tulare	DLTA 509984	1801	Cx quinquefasciatus	Visalia	26	BGSENT	6/20/2025	WNV
Tulare	DLTA 509989	1830	Cx quinquefasciatus	Visalia	13	GRVD	6/24/2025	WNV
Tulare	DLTA 509991	1775	Cx quinquefasciatus	Visalia	30	GRVD	6/20/2025	WNV
Tulare	DLTA 509992	1931	Cx quinquefasciatus	Visalia	22	GRVD	6/26/2025	WNV
Tulare	DLTA 509992	1972	Cx quinquefasciatus	Visalia	22	BGSENT	6/26/2025	WNV
Tulare	DLTA 509993	1769	Cx quinquefasciatus	Visalia	18	GRVD	6/20/2025	WNV
Tulare	DLTA 509993	1808	Cx quinquefasciatus	Visalia	12	BGSENT	6/20/2025	WNV
Tulare	DLTA 509997	1829	Cx quinquefasciatus	Dinuba	34	GRVD	6/24/2025	WNV
Tulare	DLTA 509998	1899	Cx quinquefasciatus	Visalia	23	GRVD	6/25/2025	WNV
Tulare	DLTA 512178	1717	Cx quinquefasciatus	Visalia	28	BGSENT	6/19/2025	WNV
Tulare	DLTA 512188	1966	Cx quinquefasciatus	Visalia	13	BGSENT	6/26/2025	WNV

## California Arbovirus Surveillance Bulletin #11

Week 26 Friday, June 27, 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](mailto:Hannah.romo@cdph.ca.gov)*