

California Arbovirus Surveillance Bulletin #19

Week 34 Friday, August 22, 2025



WEEKLY UPDATE

Humans

West Nile virus

A total of 4 new human cases of West Nile virus (WNV) disease were reported this week from 4 counties: Butte (1), Fresno (1), Kern (1), and Yolo (1). **These are the first human cases of WNV disease reported from Butte and Yolo counties this year.** In 2025, 17 human cases of WNV disease have been reported from 8 counties. Of the 17 cases, 15 (88%) had neuroinvasive disease and 1 (6%) was fatal. The median age of the case-patients was 72 years and 10 (59%) of the case patients were male. The dates of symptom onset ranged from June 6 to July 31. In addition to the 17 cases of WNV disease, 2 asymptomatic WNV-positive blood donors have been reported from 2 counties: Fresno (1) and Kern (1). At this time last year, 19 human cases of WNV disease had been reported from 8 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 2 new WNV positive dead birds were reported this week from 2 counties: Alameda (1) and Sacramento (1). In 2025, a total of 97 WNV positive dead birds have been reported from 14 counties. At this time last year, 289 WNV positive dead birds had been reported from 18 counties.

Mosquito Pools

West Nile virus

A total of 253 new WNV positive mosquito pools were reported from 21 counties: Butte (8), Fresno (20), Kern (28), Kings (21), Lake (4), Los Angeles (15), Madera (31), Merced (11), Orange (10), Placer (16), Riverside (4), Sacramento (2), San Bernardino (2), San Diego (5), San Joaquin (19), Solano (4), Stanislaus (9), Sutter (1), Tulare (28), Yolo (14), and Yuba (1). **These are the first WNV positive mosquito pools from Lake County this year.** In 2025, a total of 1,712 WNV positive mosquito pools have been reported from 26 counties. At this time last year, 1,220 WNV positive mosquito pools had been reported from 25 counties.

St. Louis encephalitis virus

A total of 21 new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported from 1 county: Riverside (21). In 2025, 65 SLEV positive mosquito pools have been reported from 3 counties: Fresno (1), Imperial (7), and Riverside (57). At this time last year, 14 SLEV positive mosquito pools had been reported from 3 counties.

Sentinel Chickens

A total of 5 new WNV positive sentinel chickens were reported this week from 2 counties: Tulare (4) and Solano (1). **This is the first WNV positive sentinel chicken reported from Solano County this year.** In 2025, 20 WNV positive sentinel chickens have been reported from 6 counties. At this time last year, 75 WNV positive chickens had been reported from 9 counties.

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2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	4,535	6,003
No. Positive Counties	29	29
No. Human Cases	19	17
No. Positive Dead Birds / No. Tested	289 / 1,284	97 / 1,249
No. Positive Mosquito Pools / No. Tested	1,220 / 31,531	1,712 / 32,499
No. Seroconversions / No. Tested	75 / 3,017	20 / 2,422

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			6		
Butte	1			19	6
Colusa				1	
Contra Costa			2	1	
Fresno	1		8	75	
Imperial				1	
Inyo				1	
Kern	2		1	104	
Kings	3			73	
Lake				4	3
Los Angeles			1	51	
Madera				179	
Merced				27	
Orange			2	62	
Placer			5	110	
Riverside				9	
Sacramento			19	30	
San Bernardino				3	
San Diego			16	100	
San Joaquin			5	78	
Santa Clara			23		
Shasta				1	
Solano			1	10	1
Stanislaus	1		1	103	
Sutter				8	1
Tulare	7		7	626	8
Tuolumne	1				
Yolo	1			31	
Yuba				5	1
Totals	17		97	1,712	20

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	4	0	0
	YTD	17	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	2 / 38
	YTD	97 / 1,249

Chicken Sera	Week	5 / 107	0 / 107	0 / 107
	YTD	20 / 2,422	0 / 2,422	0 / 2,422

Mosquito Pools	Week	253 / 1,729	21 / 1,629	0 / 1,629	0 / 14	0 / 14	0 / 14
	YTD	1,712 / 32,499	65 / 30,120	0 / 30,125	0 / 220	0 / 220	0 / 220

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Dublin	94568	Unknown - Crow or Raven	8/12/2025	WNV
Sacramento	Sacramento-Yolo MVCD	Rio Linda	95673	American Crow	8/15/2025	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Butte	BUCO 117	358	Cx tarsalis	Nelson	48	CO2	8/13/2025	WNV
Butte	BUCO 184	361	Cx tarsalis	Gridley	50	CO2	8/13/2025	WNV
Butte	BUCO 36	347	Cx tarsalis	Gridley	50	CO2	8/12/2025	WNV
Butte	BUCO 36	350	Cx tarsalis	Gridley	50	CO2	8/12/2025	WNV
Butte	BUCO 39	357	Cx tarsalis	Chico	50	CO2	8/12/2025	WNV
Butte	BUCO 49	343	Cx tarsalis	Biggs	50	CO2	8/11/2025	WNV
Butte	BUCO 91	341	Cx tarsalis	Biggs	50	CO2	8/11/2025	WNV
Butte	BUCO 91	342	Cx tarsalis	Biggs	50	CO2	8/11/2025	WNV
Fresno	CNSL 1051	304	Cx quinquefasciatus	Fresno	50	GRVD	8/15/2025	WNV
Fresno	CNSL 2677	301	Cx quinquefasciatus	Sanger	50	GRVD	8/13/2025	WNV
Fresno	CNSL 3238	303	Cx quinquefasciatus	Reedley	50	GRVD	8/15/2025	WNV
Fresno	CNSL 3568	295	Cx quinquefasciatus	Parlier	50	BGSENT	8/12/2025	WNV
Fresno	CNSL 4020	294	Cx quinquefasciatus	Selma	50	GRVD	8/12/2025	WNV
Fresno	CNSL 4040	293	Cx quinquefasciatus	Selma	50	GRVD	8/12/2025	WNV
Fresno	CNSL 4065	302	Cx quinquefasciatus	Selma	50	GRVD	8/13/2025	WNV
Fresno	CNSL 6432	291	Cx quinquefasciatus	Riverdale	20	GRVD	8/12/2025	WNV
Fresno	CNSL 8108	306	Cx quinquefasciatus	Fresno	15	GRVD	8/15/2025	WNV
Fresno	CNSL 8135	305	Cx quinquefasciatus	Clovis	34	BGSENT	8/15/2025	WNV
Fresno	CNSL 8220	299	Cx quinquefasciatus	Fresno	29	GRVD	8/13/2025	WNV
Fresno	FRNO 8	303	Cx quinquefasciatus	Fresno	50	BGSENT	8/21/2025	WNV
Fresno	FRNO 8	304	Cx tarsalis	Fresno	41	BGSENT	8/21/2025	WNV
Fresno	FRNO 8002	309	Cx tarsalis	Fresno	26	CO2	8/21/2025	WNV
Fresno	FRWS 1101	184	Cx tarsalis	Dos Palos	28	CO2	8/19/2025	WNV

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Fresno	FRWS 300031	180	Cx tarsalis	Firebaugh	50	CO2	8/19/2025	WNV
Fresno	FRWS 4102	190	Cx tarsalis	Kerman	50	CO2	8/19/2025	WNV
Fresno	FRWS 4110	189	Cx tarsalis	Mendota	50	CO2	8/19/2025	WNV
Fresno	FRWS 5101	196	Cx tarsalis	Mendota	50	CO2	8/19/2025	WNV
Fresno	FRWS 5110	195	Cx tarsalis	Tranquillity	50	CO2	8/19/2025	WNV
Kern	DLNO 134	336	Cx tarsalis	Delano	12	BGSENT	8/15/2025	WNV
Kern	DLNO 221	322	Cx tarsalis	Mcfarland	10	GRVD	8/13/2025	WNV
Kern	DLNO 221	323	Cx quinquefasciatus	Mcfarland	25	GRVD	8/13/2025	WNV
Kern	DLNO 236	321	Cx tarsalis	Mcfarland	41	CO2	8/12/2025	WNV
Kern	DLNO 242	325	Cx quinquefasciatus	Mcfarland	30	BGSENT	8/13/2025	WNV
Kern	DLNO 248	328	Cx tarsalis	Mcfarland	35	BGSENT	8/13/2025	WNV
Kern	DLNO 248	329	Cx quinquefasciatus	Mcfarland	22	BGSENT	8/13/2025	WNV
Kern	DLNO 249	314	Cx tarsalis	Mcfarland	50	CO2	8/12/2025	WNV
Kern	DLNO 249	315	Cx tarsalis	Mcfarland	50	CO2	8/12/2025	WNV
Kern	DLNO 249	316	Cx tarsalis	Mcfarland	50	CO2	8/12/2025	WNV
Kern	DLNO 249	317	Cx tarsalis	Mcfarland	50	CO2	8/12/2025	WNV
Kern	DLNO 249	318	Cx tarsalis	Mcfarland	29	CO2	8/12/2025	WNV
Kern	DLNO 249	319	Cx quinquefasciatus	Mcfarland	26	CO2	8/12/2025	WNV
Kern	DLNO 259	312	Cx tarsalis	Mcfarland	50	CO2	8/12/2025	WNV
Kern	DLNO 62	310	Cx tarsalis	Mcfarland	50	CO2	8/12/2025	WNV
Kern	DLNO 79	330	Cx quinquefasciatus	Mcfarland	50	BGSENT	8/13/2025	WNV
Kern	DLNO 79	331	Cx quinquefasciatus	Mcfarland	50	BGSENT	8/13/2025	WNV
Kern	DLNO 79	332	Cx tarsalis	Mcfarland	44	BGSENT	8/13/2025	WNV
Kern	KERN 110	332	Cx quinquefasciatus	Bakersfield	41	CO2	8/12/2025	WNV
Kern	KERN 1114	331	Cx quinquefasciatus	Bakersfield	50	CO2	8/12/2025	WNV
Kern	KERN 117	333	Cx quinquefasciatus	Bakersfield	50	CO2	8/12/2025	WNV
Kern	KERN 156	338	Cx quinquefasciatus	Butttonwillow	26	CO2	8/12/2025	WNV
Kern	KERN 2031	346	Cx quinquefasciatus	Bakersfield	16	GRVD	8/13/2025	WNV
Kern	KERN 3023	341	Cx tarsalis	Wasco	47	CO2	8/12/2025	WNV
Kern	KERN 3029	339	Cx quinquefasciatus	Buttonwillow	50	CO2	8/12/2025	WNV
Kern	KERN 36	334	Cx quinquefasciatus	Bakersfield	42	CO2	8/12/2025	WNV
Kern	KERN 43	347	Cx tarsalis	Shafter	27	CO2	8/14/2025	WNV
Kern	KERN 45	337	Cx quinquefasciatus	Buttonwillow	50	CO2	8/12/2025	WNV
Kings	KNGS 3028	259	Cx tarsalis	Hanford	50	CO2	8/12/2025	WNV
Kings	KNGS 3028	260	Cx tarsalis	Hanford	50	CO2	8/12/2025	WNV
Kings	KNGS 3028	261	Cx tarsalis	Hanford	50	CO2	8/12/2025	WNV
Kings	KNGS 3028	263	Cx pipiens	Hanford	50	CO2	8/12/2025	WNV
Kings	KNGS 3028	264	Cx pipiens	Hanford	50	CO2	8/12/2025	WNV
Kings	KNGS 3028	265	Cx pipiens	Hanford	46	CO2	8/12/2025	WNV
Kings	KNGS 3080	248	Cx tarsalis	Lemoore	50	CO2	8/12/2025	WNV
Kings	KNGS 3080	249	Cx tarsalis	Lemoore	50	CO2	8/12/2025	WNV
Kings	KNGS 3127	268	Cx tarsalis	Corcoran	50	CO2	8/12/2025	WNV
Kings	KNGS 3127	269	Cx tarsalis	Corcoran	50	CO2	8/12/2025	WNV
Kings	KNGS 3129	247	Cx pipiens	Lemoore	13	CO2	8/12/2025	WNV
Kings	KNGS 3131	251	Cx tarsalis	Stratford	50	CO2	8/12/2025	WNV
Kings	KNGS 3131	252	Cx tarsalis	Stratford	50	CO2	8/12/2025	WNV
Kings	KNGS 3131	253	Cx tarsalis	Stratford	50	CO2	8/12/2025	WNV
Kings	KNGS 3131	254	Cx tarsalis	Stratford	50	CO2	8/12/2025	WNV
Kings	KNGS 3131	255	Cx tarsalis	Stratford	50	CO2	8/12/2025	WNV
Kings	KNGS 4003	258	Cx tarsalis	Hanford	33	CO2	8/12/2025	WNV
Kings	KNGS 5506	276	Cx tarsalis	Hanford	20	CO2	8/15/2025	WNV
Kings	KNGS 8008	243	Cx tarsalis	Hanford	50	CO2	8/12/2025	WNV
Kings	KNGS 8008	244	Cx tarsalis	Hanford	39	CO2	8/12/2025	WNV
Kings	KNGS 8008	246	Cx pipiens	Hanford	30	CO2	8/12/2025	WNV
Lake	LAKE 302	383	Cx tarsalis	Clearlake Oaks	50	CO2	8/13/2025	WNV
Lake	LAKE 302	384	Cx tarsalis	Clearlake Oaks	50	CO2	8/13/2025	WNV
Lake	LAKE 302	386	Cx tarsalis	Clearlake Oaks	50	CO2	8/13/2025	WNV
Lake	LAKE 302	388	Cx tarsalis	Clearlake Oaks	35	CO2	8/13/2025	WNV
Los Angeles	GRLA 2017	5669	Cx quinquefasciatus	Studio City	50	GRVD	8/12/2025	WNV
Los Angeles	GRLA 2021	5682	Cx quinquefasciatus	Reseda	50	GRVD	8/13/2025	WNV
Los Angeles	GRLA 2023	5685	Cx quinquefasciatus	Reseda	32	GRVD	8/13/2025	WNV
Los Angeles	GRLA 2030	5693	Cx quinquefasciatus	West Hills	44	GRVD	8/14/2025	WNV
Los Angeles	GRLA 2321	588	Cx quinquefasciatus	Carson	50	BGSENT	8/12/2025	WNV
Los Angeles	GRLA 2635	5678	Cx quinquefasciatus	Lake Balboa	50	GRVD	8/13/2025	WNV
Los Angeles	GRLA 2636	5677	Cx quinquefasciatus	Lake Balboa	50	GRVD	8/13/2025	WNV
Los Angeles	GRLA 2757	604	Cx quinquefasciatus	Downey	50	GRVD	8/14/2025	WNV
Los Angeles	GRLA 3038	5671	Cx quinquefasciatus	Valley Village	50	GRVD	8/12/2025	WNV
Los Angeles	GRLA 3066	5674	Cx quinquefasciatus	Valley Glen	50	GRVD	8/12/2025	WNV

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Los Angeles	GRLA 3069	5672	Cx quinquefasciatus	Valley Village	50	GRVD	8/12/2025	WNV
Los Angeles	GRLA 3076	5676	Cx quinquefasciatus	Valley Glen	50	GRVD	8/12/2025	WNV
Los Angeles	GRLA 3079	5675	Cx quinquefasciatus	Sun Valley	50	GRVD	8/12/2025	WNV
Los Angeles	GRLA 3097	5707	Cx quinquefasciatus	Arleta	24	BGSENT	8/15/2025	WNV
Los Angeles	GRLA 3102	5670	Cx quinquefasciatus	Studio City	50	GRVD	8/12/2025	WNV
Madera	MADR 1012	625	Cx tarsalis	Madera County	50	CO2	8/19/2025	WNV
Madera	MADR 12345	643	Cx tarsalis	Madera	50	CO2	8/20/2025	WNV
Madera	MADR 123497	658	Cx tarsalis	Ca	50	CO2	8/20/2025	WNV
Madera	MADR 12358	636	Cx tarsalis	Madera	25	CO2	8/19/2025	WNV
Madera	MADR 12360	635	Cx tarsalis	Madera	44	CO2	8/19/2025	WNV
Madera	MADR 12364	623	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 12382	598	Cx tarsalis	Madera	50	CO2	8/14/2025	WNV
Madera	MADR 12398	618	Cx tarsalis	Chowchilla	50	CO2	8/15/2025	WNV
Madera	MADR 12557	649	Cx tarsalis	Fresno	8	CO2	8/20/2025	WNV
Madera	MADR 12600	654	Cx tarsalis	Bonadelle Ranchos	50	CO2	8/20/2025	WNV
Madera	MADR 12611	627	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 12612	646	Cx tarsalis	Rolling Hills	22	CO2	8/20/2025	WNV
Madera	MADR 12627	647	Cx tarsalis	Rolling Hills	26	CO2	8/20/2025	WNV
Madera	MADR 12628	652	Cx tarsalis	Fresno	11	CO2	8/20/2025	WNV
Madera	MADR 12650	633	Cx tarsalis	Fresno	11	CO2	8/19/2025	WNV
Madera	MADR 195	599	Cx tarsalis	Madera	50	CO2	8/14/2025	WNV
Madera	MADR 227	628	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 232	608	Cx tarsalis	Chowchilla	50	CO2	8/15/2025	WNV
Madera	MADR 237	639	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 259	631	Cx tarsalis	Madera	39	CO2	8/19/2025	WNV
Madera	MADR 581	629	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 634	632	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 704	616	Cx tarsalis	Madera	50	CO2	8/15/2025	WNV
Madera	MADR 715	607	Cx tarsalis	Madera	23	CO2	8/15/2025	WNV
Madera	MADR 726	640	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 727	644	Cx tarsalis	Madera	27	CO2	8/20/2025	WNV
Madera	MADR 732	638	Cx tarsalis	Madera	24	CO2	8/19/2025	WNV
Madera	MADR 752	660	Cx tarsalis	Firebaugh	50	CO2	8/20/2025	WNV
Madera	MADR 758	621	Cx tarsalis	Madera	50	CO2	8/19/2025	WNV
Madera	MADR 763	592	Cx tarsalis	Madera	50	CO2	8/14/2025	WNV
Madera	MADR 771	594	Cx tarsalis	Madera	5	CO2	8/14/2025	WNV
Merced	MERC 12	623	Cx tarsalis	Gustine	50	CO2	8/19/2025	WNV
Merced	MERC 189161	594	Cx tarsalis	Cressey	34	CO2	8/14/2025	WNV
Merced	MERC 201608	603	Cx pipiens	Plainsburg	45	CO2	8/15/2025	WNV
Merced	MERC 201722	595	Cx pipiens	Winton	50	CO2	8/14/2025	WNV
Merced	MERC 433765	628	Cx tarsalis	Gustine	50	BGSENT	8/19/2025	WNV
Merced	MERC 519511	649	Cx pipiens	Livingston	27	BGSENT	8/20/2025	WNV
Merced	MERC 532426	641	Cx pipiens	Livingston	50	BGSENT	8/20/2025	WNV
Merced	MERC 532426	644	Cx pipiens	Livingston	50	BGSENT	8/20/2025	WNV
Merced	MERC 623732	617	Cx tarsalis	Gustine	50	CO2	8/19/2025	WNV
Merced	MERC 879442	605	Cx tarsalis	Le Grand	20	CO2	8/15/2025	WNV
Merced	MERC 964123	639	Cx tarsalis	Gustine	42	BGSENT	8/19/2025	WNV
Orange	ORCO 1009	2136	Cx quinquefasciatus	Garden Grove	36	GRVD	8/13/2025	WNV
Orange	ORCO 1015	2142	Cx quinquefasciatus	Orange	36	GRVD	8/13/2025	WNV
Orange	ORCO 218	2160	Cx quinquefasciatus	Anaheim	36	GRVD	8/13/2025	WNV
Orange	ORCO 218	2161	Cx quinquefasciatus	Anaheim	37	GRVD	8/13/2025	WNV
Orange	ORCO 218	2276	Cx quinquefasciatus	Anaheim	6	GRVD	8/20/2025	WNV
Orange	ORCO 218	2286	Cx quinquefasciatus	Anaheim	34	GRVD	8/20/2025	WNV
Orange	ORCO 218	2287	Cx quinquefasciatus	Anaheim	41	GRVD	8/20/2025	WNV
Orange	ORCO 218	2290	Cx quinquefasciatus	Anaheim	12	GRVD	8/20/2025	WNV
Orange	ORCO 337	2326	Cx quinquefasciatus	Anaheim	8	GRVD	8/20/2025	WNV
Orange	ORCO 338	2154	Cx quinquefasciatus	Anaheim	31	GRVD	8/13/2025	WNV
Placer	PLCR 139	1617	Cx tarsalis	Roseville	50	CO2	8/19/2025	WNV
Placer	PLCR 191232	1718	Cx tarsalis	Unknown	16	CO2	8/21/2025	WNV
Placer	PLCR 197802	1643	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 197802	1644	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 197802	1645	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 197802	1646	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 197802	1647	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 25	1666	Cx tarsalis	Lincoln	50	CO2	8/19/2025	WNV
Placer	PLCR 678519	1670	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 678519	1671	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 678519	1672	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV

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Placer	PLCR 678519	1673	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 678519	1674	Cx tarsalis	Elverta	50	CO2	8/19/2025	WNV
Placer	PLCR 719276	1626	Cx tarsalis	Roseville	45	CO2	8/19/2025	WNV
Placer	PLCR 81	1632	Cx stigmatosoma	Roseville	8	CO2	8/19/2025	WNV
Placer	PLCR 95	1625	Cx tarsalis	Lincoln	24	CO2	8/19/2025	WNV
Riverside	COAV 0	4082	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4083	Cx tarsalis	Indio	30	CO2	8/19/2025	SLEV
Riverside	COAV 0	4084	Cx quinquefasciatus	Indio	15	CO2	8/19/2025	SLEV
Riverside	COAV 0	4085	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4086	Cx tarsalis	Indio	50	CO2	8/19/2025	WNV
Riverside	COAV 0	4086	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4087	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4131	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4132	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4133	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4135	Cx tarsalis	Indio	50	CO2	8/19/2025	SLEV
Riverside	COAV 0	4179	Cx tarsalis	Indio	50	CO2	8/20/2025	SLEV
Riverside	COAV 0	4180	Cx tarsalis	Indio	50	CO2	8/20/2025	SLEV
Riverside	COAV 0	4181	Cx tarsalis	Indio	50	CO2	8/20/2025	SLEV
Riverside	COAV 0	4182	Cx tarsalis	Indio	50	CO2	8/20/2025	SLEV
Riverside	COAV 130	4122	Cx tarsalis	Oasis	50	CO2	8/19/2025	WNV
Riverside	COAV 130	4122	Cx tarsalis	Oasis	50	CO2	8/19/2025	SLEV
Riverside	COAV 130	4125	Cx tarsalis	Oasis	50	CO2	8/19/2025	SLEV
Riverside	COAV 132	4089	Cx tarsalis	Oasis	50	CO2	8/19/2025	SLEV
Riverside	COAV 132	4090	Cx tarsalis	Oasis	24	CO2	8/19/2025	SLEV
Riverside	COAV 2	4081	Cx tarsalis	Oasis	50	CO2	8/19/2025	SLEV
Riverside	COAV 37	4138	Cx tarsalis	Mecca	33	CO2	8/19/2025	SLEV
Riverside	COAV 5	4091	Cx tarsalis	Oasis	50	CO2	8/19/2025	WNV
Riverside	COAV 5	4091	Cx tarsalis	Oasis	50	CO2	8/19/2025	SLEV
Riverside	COAV 5	4092	Cx tarsalis	Oasis	50	CO2	8/19/2025	WNV
Sacramento	SAYO 213055	3519	Cx pipiens	Sacramento	5	CO2	8/15/2025	WNV
Sacramento	SAYO 439285	3787	Cx pipiens	Sacramento	24	CO2	8/19/2025	WNV
San Bernardino	WVAL 1269	1153	Cx quinquefasciatus	Ontario	13	BGSENT	8/21/2025	WNV
San Bernardino	WVAL 1269	1154	Aedes aegypti	Ontario	10	BGSENT	8/21/2025	WNV
San Diego	SAND 24152	17330	Cx quinquefasciatus	La Mesa	12	GRVD	8/12/2025	WNV
San Diego	SAND 24153	17322	Cx quinquefasciatus	San Diego	20	GRVD	8/12/2025	WNV
San Diego	SAND 24156	17316	Cx quinquefasciatus	La Mesa	8	GRVD	8/12/2025	WNV
San Diego	SAND 24216	17328	Cx quinquefasciatus	La Mesa	8	GRVD	8/12/2025	WNV
San Diego	SAND 24231	17326	Cx quinquefasciatus	La Mesa	6	GRVD	8/12/2025	WNV
San Joaquin	SJCM 8010	1677	Cx tarsalis	Ripon	49	CO2	8/19/2025	WNV
San Joaquin	SJCM 8011	1693	Cx pipiens	Ripon	8	CO2	8/19/2025	WNV
San Joaquin	SJCM 8018	1771	Cx tarsalis	Stockton	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8018	1772	Cx tarsalis	Stockton	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8018	1776	Cx tarsalis	Stockton	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8025	1690	Cx tarsalis	Stockton	40	CO2	8/19/2025	WNV
San Joaquin	SJCM 8083	1708	Cx tarsalis	Escalon	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8083	1712	Cx pipiens	Escalon	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8083	1713	Cx pipiens	Escalon	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8083	1714	Cx pipiens	Escalon	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8083	1715	Cx pipiens	Escalon	26	CO2	8/19/2025	WNV
San Joaquin	SJCM 8154	1668	Cx tarsalis	Lathrop	33	CO2	8/19/2025	WNV
San Joaquin	SJCM 8189	1732	Cx tarsalis	Acampo	13	CO2	8/19/2025	WNV
San Joaquin	SJCM 8191	1718	Cx tarsalis	Lodi	7	CO2	8/19/2025	WNV
San Joaquin	SJCM 8206	1734	Cx tarsalis	Lodi	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8206	1735	Cx tarsalis	Lodi	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8206	1740	Cx tarsalis	Lodi	50	CO2	8/19/2025	WNV
San Joaquin	SJCM 8233	1765	Cx tarsalis	Stockton	42	CO2	8/19/2025	WNV
San Joaquin	SJCM 8248	1720	Cx tarsalis	Tracy	34	CO2	8/19/2025	WNV
Solano	SOLA 35	836	Cx tarsalis	Davis	50	CO2	8/20/2025	WNV
Solano	SOLA 35	837	Cx tarsalis	Davis	50	CO2	8/20/2025	WNV
Solano	SOLA 42	852	Cx tarsalis	Benicia	50	CO2	8/20/2025	WNV
Solano	SOLA 94	830	Cx pipiens	Dixon	29	CO2	8/20/2025	WNV
Stanislaus	TRLK 1615	653	Cx tarsalis	Modesto	50	CO2	8/19/2025	WNV
Stanislaus	TRLK 25411	668	Cx tarsalis	Newman	34	CO2	8/19/2025	WNV
Stanislaus	TRLK 312	684	Cx tarsalis	Newman	50	CO2	8/19/2025	WNV
Stanislaus	TRLK 424	669	Cx pipiens	Patterson	50	CO2	8/19/2025	WNV
Stanislaus	TRLK 424	672	Cx pipiens	Patterson	33	CO2	8/19/2025	WNV
Stanislaus	TRLK 424	673	Cx tarsalis	Patterson	50	CO2	8/19/2025	WNV

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Stanislaus	TRLK 424	676	Cx tarsalis	Patterson	50	CO2	8/19/2025	WNV
Stanislaus	TRLK 424	677	Cx tarsalis	Patterson	21	CO2	8/19/2025	WNV
Stanislaus	TRLK 9768	642	Cx pipiens	Modesto	50	CO2	8/19/2025	WNV
Sutter	SUYA 44	544	Cx tarsalis	Pleasant Grove	38	CO2	8/19/2025	WNV
Tulare	DLTA 509300	3012	Cx quinquefasciatus	Seville	43	BGSENT	8/15/2025	WNV
Tulare	DLTA 509398	2979	Cx quinquefasciatus	Visalia	10	GRVD	8/14/2025	WNV
Tulare	DLTA 509400	3026	Cx quinquefasciatus	Dinuba	18	BGSENT	8/15/2025	WNV
Tulare	DLTA 509407	2984	Cx quinquefasciatus	Exeter	13	GRVD	8/14/2025	WNV
Tulare	DLTA 509421	3060	Cx quinquefasciatus	Delft Colony	14	CO2	8/19/2025	WNV
Tulare	DLTA 509423	3085	Cx quinquefasciatus	West Goshen	10	BGSENT	8/20/2025	WNV
Tulare	DLTA 509428	3091	Cx tarsalis	West Goshen	15	CO2	8/20/2025	WNV
Tulare	DLTA 509452	3038	Cx quinquefasciatus	Cutler-Orosi Udb	21	GRVD	8/19/2025	WNV
Tulare	DLTA 509485	3064	Cx quinquefasciatus	Traver Udb	37	GRVD	8/19/2025	WNV
Tulare	DLTA 509485	3072	Cx quinquefasciatus	Traver Udb	50	BGSENT	8/19/2025	WNV
Tulare	DLTA 509485	3073	Cx quinquefasciatus	Traver Udb	45	BGSENT	8/19/2025	WNV
Tulare	DLTA 509526	3095	Cx stigmatosoma	Exeter	13	GRVD	8/20/2025	WNV
Tulare	DLTA 509534	3006	Cx quinquefasciatus	Visalia	11	GRVD	8/15/2025	WNV
Tulare	DLTA 509592	3096	Cx quinquefasciatus	Visalia	30	CO2	8/20/2025	WNV
Tulare	DLTA 509665	3029	Cx quinquefasciatus	Delft Colony	10	BGSENT	8/15/2025	WNV
Tulare	DLTA 509677	3050	Cx tarsalis	Delft Colony	38	CO2	8/19/2025	WNV
Tulare	DLTA 509677	3051	Cx quinquefasciatus	Delft Colony	15	CO2	8/19/2025	WNV
Tulare	DLTA 509701	3063	Cx stigmatosoma	Kingsburg	15	CO2	8/19/2025	WNV
Tulare	DLTA 509807	2997	Cx quinquefasciatus	Farmersville	43	GRVD	8/14/2025	WNV
Tulare	DLTA 509829	2982	Cx quinquefasciatus	Dinuba	27	GRVD	8/14/2025	WNV
Tulare	DLTA 509840	3054	Cx quinquefasciatus	Dinuba	33	GRVD	8/19/2025	WNV
Tulare	DLTA 509844	3086	Cx quinquefasciatus	Dinuba	35	GRVD	8/20/2025	WNV
Tulare	DLTA 509844	3105	Cx quinquefasciatus	Dinuba	12	BGSENT	8/20/2025	WNV
Tulare	DLTA 509848	2987	Cx quinquefasciatus	Cutler-Orosi Udb	14	GRVD	8/14/2025	WNV
Tulare	DLTA 512183	3036	Cx quinquefasciatus	Orosi	12	GRVD	8/19/2025	WNV
Tulare	KNGS 3017	271	Cx tarsalis	Waukena	50	CO2	8/12/2025	WNV
Tulare	KNGS 3017	272	Cx tarsalis	Waukena	50	CO2	8/12/2025	WNV
Tulare	KNGS 3017	273	Cx pipiens	Waukena	50	CO2	8/12/2025	WNV
Yolo	SAYO 123006	3577	Cx tarsalis	Esparto	12	CO2	8/15/2025	WNV
Yolo	SAYO 135006	3638	Cx tarsalis	Woodland	50	CO2	8/15/2025	WNV
Yolo	SAYO 136010	3757	Cx tarsalis	Woodland	50	CO2	8/19/2025	WNV
Yolo	SAYO 145011	3775	Cx tarsalis	Davis	43	CO2	8/19/2025	WNV
Yolo	SAYO 145011	3776	Cx pipiens	Davis	2	GRVD	8/19/2025	WNV
Yolo	SAYO 145020	3762	Cx pipiens	Davis	4	GRVD	8/19/2025	WNV
Yolo	SAYO 145024	3728	Cx tarsalis	Davis	50	CO2	8/19/2025	WNV
Yolo	SAYO 146002	3735	Cx tarsalis	Davis	50	CO2	8/19/2025	WNV
Yolo	SAYO 146002	3738	Cx tarsalis	Davis	50	CO2	8/19/2025	WNV
Yolo	SAYO 146006	3765	Cx tarsalis	Davis	50	CO2	8/19/2025	WNV
Yolo	SAYO 146006	3766	Cx tarsalis	Davis	50	CO2	8/19/2025	WNV
Yolo	SAYO 438339	3648	Cx tarsalis	Woodland	50	CO2	8/15/2025	WNV
Yolo	SAYO 438339	3656	Cx tarsalis	Woodland	50	CO2	8/15/2025	WNV
Yolo	SAYO 438344	3854	Cx tarsalis	West Sacramento	50	CO2	8/19/2025	WNV
Yuba	SUYA 8	541	Cx tarsalis	Marysville	13	CO2	8/19/2025	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 1	Band 2	Band 3	Band 4
Tulare	000008	Tulare	8/8/2025	WNV	1384	1386	1387	1388
Solano	000015	Winters	8/18/2025	WNV	1451			

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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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