

California Arbovirus Surveillance Bulletin #17

Week 31 Friday, August 2, 2024



WEEKLY UPDATE

Humans

West Nile virus

A total of 3 human cases of West Nile virus (WNV) disease were reported this week from 3 counties: Contra Costa (1), Kings (1), and Yuba (1). **These are the first human cases of WNV disease reported for Contra Costa and Kings counties this year.** In 2024, 5 human cases of WNV disease were reported from 4 counties. Of the 5 cases, 4 (80%) had neuroinvasive disease and 1 (20%) was fatal. The median age of the case-patients was 47 years and 4 (80%) of the case-patients were male. The dates of symptom onset ranged from May 28 to July 21. In addition to the 5 cases of WNV disease, 5 asymptomatic WNV-positive blood donors have been reported from 3 counties: Fresno (3), San Bernardino (1), and Stanislaus (1). At this time last year, 8 human cases of WNV disease had been reported from 5 counties.

St. Louis encephalitis virus

No human cases of St. Louis encephalitis virus (SLEV) disease have been reported. At this time last year, 1 human case of SLEV disease had been reported from 1 county.

Dead Birds

A total of 28 new WNV positive dead birds were reported from 7 counties: Alameda (1), Lake (1), Los Angeles (1), Sacramento (5), San Mateo (2), Santa Clara (17), and Yuba (1). **These are the first WNV positive dead birds from Lake and Yuba counties.** In 2024, 184 WNV positive dead birds have been reported from 15 counties. At this time last year, 181 WNV positive dead birds had been reported from 20 counties.

Mosquito Pools

West Nile virus

A total of 149 new WNV positive mosquito pools were reported from 18 counties: Alameda (3), Butte (10), Fresno (12), Kern (4), Kings (12), Lake (2), Los Angeles (10), Madera (8), Merced (2), Orange (2), Placer (9), Riverside (4), San Bernardino (4), San Joaquin (29), Santa Clara (2), Shasta (3), Stanislaus (10), and Tulare (23). In 2024, 732 WNV positive mosquito pools have been reported from 24 counties. At this time last year, 1,582 WNV positive mosquito pools had been reported from 27 counties.

St. Louis encephalitis virus

No new SLEV positive mosquito pools were reported. In 2024, 13 SLEV positive mosquito pools have been reported from 3 counties: Fresno (9), Imperial (1), and Tulare (3). At this time last year, 162 SLEV positive mosquito pools had been reported from 9 counties.

Sentinel Chickens

A total of 9 new WNV positive chickens were reported this week from 2 counties: Merced (5) and Solano (4). **These are the first WNV positive sentinel chickens reported from Merced and Solano counties this year.** In 2024, 20 WNV positive sentinel chickens have been reported from 6 counties. At this time last year, 27 WNV positive chickens had been reported from 4 counties.

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2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	3,602	3,955
No. Positive Counties	31	27
No. Human Cases	8	5
No. Positive Dead Birds / No. Tested	181 / 913	184 / 1,058
No. Positive Mosquito Pools / No. Tested	1,582 / 28,718	732 / 26,502
No. Seroconversions / No. Tested	27 / 2,074	20 / 2,444

YTD WNV Activity by Element and County, 2024					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			22	14	
Butte			4	17	1
Contra Costa	1		4		5
Fresno	1			122	
Imperial				2	
Kern				15	
Kings	1			26	
Lake			1	7	2
Los Angeles			4	30	
Madera				13	
Merced				9	5
Orange			1	12	
Placer		1		25	
Riverside			2	191	
Sacramento			42	20	
San Bernardino			5	39	
San Diego			2		
San Joaquin			3	75	
San Mateo			9		
Santa Clara			83	9	
Shasta				7	
Solano				2	4
Stanislaus				17	
Sutter				14	
Tulare				34	3
Yolo			1	10	
Yuba	2	1	1	22	
Totals	5	2	184	732	20

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	3	0	0
	YTD	5	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	28 / 55
	YTD	184 / 1,058

Chicken Sera	Week	9 / 278	0 / 278	0 / 278
	YTD	20 / 2,444	0 / 2,444	0 / 2,444

Mosquito Pools	Week	149 / 1,443	0 / 1,317	0 / 1,317	0 / 59	0 / 59	0 / 59
	YTD	732 / 26,502	13 / 24,697	0 / 24,720	0 / 402	0 / 402	0 / 402

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Alameda	94501	Sparrow	7/29/2024	WNV
Lake	Lake Co VCD	Kelseyville	95451	American Crow	7/22/2024	WNV
Los Angeles	Greater Los Angeles Co Sylmar	Porter Ranch	91326	Red-tailed Hawk	7/17/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95811	American Crow	7/25/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Carmichael	95608	House Finch	7/25/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Folsom	95630	American Crow	7/26/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95822	California Scrub-Jay	7/27/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	California Scrub-Jay	7/29/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	7/22/2024	WNV
San Mateo	San Mateo Co MVCD	San Carlos	94070	American Crow	7/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95122	American Crow	7/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95132	American Crow	7/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95112	American Crow	7/25/2024	WNV
Santa Clara	Santa Clara Co VCD	Mountain View	94041	American Crow	7/25/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	7/26/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	7/26/2024	WNV
Santa Clara	Santa Clara Co VCD	Milpitas	95035	Unknown - songbird	7/27/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	Unknown - Crow or Raven	7/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Stanford	94305	Unknown - Crow or Raven	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	7/29/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	Bluebird	7/30/2024	WNV

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Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	7/30/2024	WNV
Yuba	Sutter-Yuba MVCD	Marysville	95901	Unknown - songbird	7/24/2024	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Alameda	ALCO 7071	32982	Cx tarsalis	Union City	45	CO2	7/24/2024	WNV
Alameda	ALCO 792432	33018	Cx erythrothorax	Union City	22	CO2	7/23/2024	WNV
Alameda	ALCO 792432	33020	Cx tarsalis	Union City	34	CO2	7/23/2024	WNV
Butte	BUCO 141	174	Cx tarsalis	Oroville	50	CO2	7/22/2024	WNV
Butte	BUCO 141	175	Cx tarsalis	Oroville	50	CO2	7/22/2024	WNV
Butte	BUCO 141	176	Cx tarsalis	Oroville	50	CO2	7/22/2024	WNV
Butte	BUCO 147	180	Cx tarsalis	Gridley	25	CO2	7/23/2024	WNV
Butte	BUCO 174	185	Cx tarsalis	Chico	50	CO2	7/22/2024	WNV
Butte	BUCO 174	187	Cx tarsalis	Chico	50	CO2	7/22/2024	WNV
Butte	BUCO 174	188	Cx tarsalis	Chico	35	CO2	7/22/2024	WNV
Butte	BUCO 185	181	Cx tarsalis	Gridley	50	CO2	7/23/2024	WNV
Butte	BUCO 185	184	Cx tarsalis	Gridley	50	CO2	7/23/2024	WNV
Butte	BUCO 36	195	Cx tarsalis	Gridley	50	CO2	7/24/2024	WNV
Fresno	CNSL 2083	170	Cx quinquefasciatus	Sanger	50	GRVD	7/25/2024	WNV
Fresno	CNSL 2561	171	Cx quinquefasciatus	Sanger	50	GRVD	7/25/2024	WNV
Fresno	CNSL 2703	497	Cx quinquefasciatus	Del Rey	50	GRVD	7/25/2024	WNV
Fresno	CNSL 4150	162	Cx quinquefasciatus	Selma	50	GRVD	7/24/2024	WNV
Fresno	CNSL 4286	163	Cx quinquefasciatus	Selma	50	GRVD	7/24/2024	WNV
Fresno	CNSL 4318	165	Cx tarsalis	Selma	50	CO2	7/24/2024	WNV
Fresno	CNSL 5032	155	Cx quinquefasciatus	Kingsburg	50	GRVD	7/23/2024	WNV
Fresno	CNSL 8145	160	Cx quinquefasciatus	Fresno	50	GRVD	7/24/2024	WNV
Fresno	CNSL 8247	175	Cx quinquefasciatus	Fresno	50	GRVD	7/26/2024	WNV
Fresno	FRNO 270	428	Cx quinquefasciatus	Fresno	11	GRVD	7/30/2024	WNV
Fresno	FRNO 40	430	Cx quinquefasciatus	Fresno	16	GRVD	7/30/2024	WNV
Fresno	FRWS 300031	110	Cx tarsalis	Firebaugh	27	CO2	7/30/2024	WNV
Kern	DLNO 237	105	Cx tarsalis	Delano	42	CO2	7/16/2024	WNV
Kern	KERN 114	275	Cx quinquefasciatus	Bakersfield	50	CO2	7/23/2024	WNV
Kern	KERN 115	281	Cx tarsalis	Bakersfield	50	CO2	7/25/2024	WNV
Kern	KERN 55	276	Cx tarsalis	Arvin	50	CO2	7/23/2024	WNV
Kings	KNGS 3022	81	Cx tarsalis	Hanford	50	CO2	7/25/2024	WNV
Kings	KNGS 3083	71	Cx tarsalis	Lemoore	14	CO2	7/24/2024	WNV
Kings	KNGS 3131	67	Cx tarsalis	Stratford	50	CO2	7/23/2024	WNV
Kings	KNGS 3131	68	Cx tarsalis	Stratford	50	CO2	7/23/2024	WNV
Kings	KNGS 3131	69	Cx pipiens	Stratford	50	CO2	7/23/2024	WNV
Kings	KNGS 3131	70	Cx pipiens	Stratford	19	CO2	7/23/2024	WNV
Kings	KNGS 8010	83	Cx tarsalis	Hanford	50	CO2	7/25/2024	WNV
Kings	KNGS 8010	84	Cx tarsalis	Hanford	50	CO2	7/25/2024	WNV
Kings	KNGS 8010	85	Cx tarsalis	Hanford	50	CO2	7/25/2024	WNV
Kings	KNGS 8014	88	Cx pipiens	Laton	18	CO2	7/25/2024	WNV
Kings	KNGS 8022	73	Cx tarsalis	Lemoore	50	CO2	7/24/2024	WNV
Kings	KNGS 8022	74	Cx tarsalis	Lemoore	26	CO2	7/24/2024	WNV
Lake	LAKE 202	194	Cx tarsalis	Cobb	50	CO2	7/24/2024	WNV
Lake	LAKE 305	196	Cx tarsalis	Middletown	39	CO2	7/30/2024	WNV
Los Angeles	GRLA 2295	529	Cx quinquefasciatus	Los Angeles	34	GRVD	7/24/2024	WNV
Los Angeles	GRLA 2414	5611	Cx quinquefasciatus	Granada Hills	50	GRVD	7/23/2024	WNV
Los Angeles	GRLA 2550	5633	Cx quinquefasciatus	Mission Hills	50	GRVD	7/26/2024	WNV
Los Angeles	GRLA 2637	5607	Cx quinquefasciatus	Van Nuys	50	GRVD	7/23/2024	WNV
Los Angeles	GRLA 2950	5628	Cx quinquefasciatus	Sunland	50	GRVD	7/26/2024	WNV
Los Angeles	GRLA 3047	542	Cx quinquefasciatus	Downey	50	GRVD	7/26/2024	WNV
Los Angeles	SGVA 1070	481	Cx quinquefasciatus	Bradbury	46	GRVD	7/30/2024	WNV
Los Angeles	SGVA 1077	473	Cx quinquefasciatus	La Puente	34	GRVD	7/30/2024	WNV
Los Angeles	SGVA 1458	501	Cx quinquefasciatus	Monterey Park	31	GRVD	8/1/2024	WNV
Los Angeles	SGVA 285	471	Cx quinquefasciatus	Baldwin Park	21	GRVD	7/30/2024	WNV
Madera	MADR 12360	311	Cx tarsalis	Madera	50	CO2	7/26/2024	WNV
Madera	MADR 12361	295	Cx tarsalis	Madera	50	CO2	7/25/2024	WNV

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Madera	MADR 12362	302	Cx tarsalis	Madera	50	CO2	7/26/2024	WNV
Madera	MADR 12363	312	Cx tarsalis	Madera	50	CO2	7/26/2024	WNV
Madera	MADR 12363	313	Cx quinquefasciatus	Madera	50	CO2	7/26/2024	WNV
Madera	MADR 750	314	Cx tarsalis	Firebaugh	50	CO2	7/26/2024	WNV
Madera	MADR 751	272	Cx quinquefasciatus	Chowchilla	50	CO2	7/23/2024	WNV
Madera	MADR 975	305	Cx tarsalis	Madera	50	CO2	7/26/2024	WNV
Merced	MERC 201741	224	Cx tarsalis	Merced	10	CO2	7/25/2024	WNV
Merced	MERC 748377	222	Cx tarsalis	Merced	38	CO2	7/25/2024	WNV
Orange	ORCO 331	1501	Cx quinquefasciatus	Placentia	11	GRVD	7/23/2024	WNV
Orange	ORCO 343	1646	Cx quinquefasciatus	Orange	28	GRVD	7/30/2024	WNV
Placer	PLCR 139	816	Cx tarsalis	Roseville	50	CO2	7/30/2024	WNV
Placer	PLCR 17	843	Cx tarsalis	Sheridan	49	CO2	7/30/2024	WNV
Placer	PLCR 197802	824	Cx tarsalis	Elverta	50	CO2	7/30/2024	WNV
Placer	PLCR 197802	825	Cx tarsalis	Elverta	50	CO2	7/30/2024	WNV
Placer	PLCR 197802	826	Cx tarsalis	Elverta	50	CO2	7/30/2024	WNV
Placer	PLCR 197802	827	Cx tarsalis	Elverta	50	CO2	7/30/2024	WNV
Placer	PLCR 25	841	Cx tarsalis	Lincoln	50	CO2	7/30/2024	WNV
Placer	PLCR 30	833	Cx pipiens	Lincoln	50	CO2	7/30/2024	WNV
Placer	PLCR 678519	862	Cx tarsalis	Elverta	50	CO2	7/31/2024	WNV
Riverside	COAV 121	4430	Cx tarsalis	Mecca	50	CO2	7/30/2024	WNV
Riverside	COAV 45	4435	Cx tarsalis	Mecca	50	CO2	7/30/2024	WNV
Riverside	COAV 778	4416	Cx quinquefasciatus	La Quinta	26	BGSENT	7/30/2024	WNV
Riverside	NWST 442	227	Cx quinquefasciatus	Corona	27	GRVD	7/30/2024	WNV
San Bernardino	SANB 37	212	Cx tarsalis	San Bernardino	50	CO2	7/24/2024	WNV
San Bernardino	WVAL 2044	1448	Cx quinquefasciatus	Ontario	50	BGSENT	8/1/2024	WNV
San Bernardino	WVAL 3376	1381	Cx quinquefasciatus	Chino	10	BGSENT	7/30/2024	WNV
San Bernardino	WVAL 4721	1386	Cx quinquefasciatus	Chino	50	BGSENT	7/30/2024	WNV
San Joaquin	SJCM 8008	1079	Cx tarsalis	Manteca	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8008	1080	Cx tarsalis	Manteca	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8008	1083	Cx tarsalis	Manteca	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8008	1085	Cx tarsalis	Manteca	46	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1088	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1089	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1090	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1091	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1092	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1093	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1094	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1095	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8018	1096	Cx tarsalis	Stockton	39	CO2	7/30/2024	WNV
San Joaquin	SJCM 8027	1053	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8076	1070	Cx tarsalis	Stockton	34	CO2	7/30/2024	WNV
San Joaquin	SJCM 8083	1108	Cx pipiens	Escalon	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8083	1109	Cx pipiens	Escalon	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8083	1113	Cx pipiens	Escalon	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8094	1076	Cx tarsalis	Manteca	21	CO2	7/30/2024	WNV
San Joaquin	SJCM 8196	1097	Cx tarsalis	Ripon	7	CO2	7/30/2024	WNV
San Joaquin	SJCM 8204	1071	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8204	1072	Cx tarsalis	Stockton	50	CO2	7/30/2024	WNV
San Joaquin	SJCM 8204	1073	Cx tarsalis	Stockton	49	CO2	7/30/2024	WNV
San Joaquin	SJCM 8206	1127	Cx tarsalis	Lodi	100	CO2	7/30/2024	WNV
San Joaquin	SJCM 8206	1129	Cx tarsalis	Lodi	100	CO2	7/30/2024	WNV
San Joaquin	SJCM 8206	1131	Cx tarsalis	Lodi	100	CO2	7/30/2024	WNV
San Joaquin	SJCM 8206	1132	Cx tarsalis	Lodi	100	CO2	7/30/2024	WNV
San Joaquin	SJCM 8206	1133	Cx tarsalis	Lodi	100	CO2	7/30/2024	WNV
San Joaquin	SJCM 8228	1118	Cx pipiens	Escalon	39	CO2	7/30/2024	WNV
Santa Clara	STCL 31172	1947	Cx pipiens	San Jose	4	GRVD	7/26/2024	WNV
Santa Clara	STCL 31291	2030	Cx tarsalis	San Jose	15	CO2	7/23/2024	WNV
Shasta	SHAS 10020	437	Cx pipiens	Anderson	25	CO2	7/30/2024	WNV
Shasta	SHAS 10140	443	Cx tarsalis	Anderson	36	CO2	7/30/2024	WNV
Shasta	SHAS 459	466	Cx tarsalis	Redding	15	CO2	7/31/2024	WNV
Stanislaus	EAST 1004	24054	Cx tarsalis	Modesto	16	CO2	7/25/2024	WNV

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Stanislaus	EAST 2016	24055	Cx pipiens	Oakdale	37	GRVD	7/25/2024	WNV
Stanislaus	TRLK 1107	377	Cx tarsalis	Denair	27	CO2	7/30/2024	WNV
Stanislaus	TRLK 1219	393	Cx pipiens	Modesto	50	CO2	7/30/2024	WNV
Stanislaus	TRLK 19519	378	Cx tarsalis	Denair	9	CO2	7/30/2024	WNV
Stanislaus	TRLK 2418	369	Cx pipiens	Turlock	17	CO2	7/30/2024	WNV
Stanislaus	TRLK 613	380	Cx tarsalis	Hickman	50	CO2	7/30/2024	WNV
Stanislaus	TRLK 613	385	Cx tarsalis	Hickman	50	CO2	7/30/2024	WNV
Stanislaus	TRLK 613	386	Cx tarsalis	Hickman	50	CO2	7/30/2024	WNV
Stanislaus	TRLK 613	387	Cx tarsalis	Hickman	50	CO2	7/30/2024	WNV
Tulare	DLNO 243	124	Cx quinquefasciatus	Earlimart	50	CO2	7/25/2024	WNV
Tulare	DLNO 243	125	Cx tarsalis	Earlimart	50	CO2	7/25/2024	WNV
Tulare	DLNO 8	116	Cx quinquefasciatus	Delano	50	CO2	7/25/2024	WNV
Tulare	DLTA 162326	2343	Cx quinquefasciatus	Dinuba	47	GRVD	7/26/2024	WNV
Tulare	DLTA 184191	2389	Cx quinquefasciatus	Visalia	27	GRVD	7/31/2024	WNV
Tulare	DLTA 623614	2246	Cx stigmatosoma	Kingsburg	50	CO2	7/19/2024	WNV
Tulare	DLTA 623614	2247	Cx stigmatosoma	Kingsburg	10	CO2	7/19/2024	WNV
Tulare	DLTA 63124	2337	Cx quinquefasciatus	Dinuba	11	GRVD	7/26/2024	WNV
Tulare	DLTA 633024	2249	Cx stigmatosoma	Kingsburg	21	CO2	7/23/2024	WNV
Tulare	DLTA 63304	2245	Cx stigmatosoma	Kingsburg	20	GRVD	7/19/2024	WNV
Tulare	DLTA 63312	2243	Cx stigmatosoma	Kingsburg	13	CO2	7/19/2024	WNV
Tulare	DLTA 63312	2304	Cx stigmatosoma	Kingsburg	13	CO2	7/24/2024	WNV
Tulare	DLTA 64071	2266	Cx quinquefasciatus	Dinuba	10	GRVD	7/23/2024	WNV
Tulare	DLTA 6417	2418	Cx quinquefasciatus	Dinuba	30	GRVD	7/31/2024	WNV
Tulare	DLTA 64174	2322	Cx quinquefasciatus	Dinuba	28	GRVD	7/25/2024	WNV
Tulare	DLTA 73024	2417	Cx quinquefasciatus	Dinuba	22	GRVD	7/31/2024	WNV
Tulare	DLTA 83222	2425	Cx quinquefasciatus	Goshen	43	BGSENT	7/31/2024	WNV
Tulare	DLTA 83231	2292	Cx tarsalis	Goshen	14	CO2	7/24/2024	WNV
Tulare	DLTA 8324	2359	Cx quinquefasciatus	Goshen	23	GRVD	7/30/2024	WNV
Tulare	DLTA 8422	2427	Cx quinquefasciatus	Goshen	50	BGSENT	7/31/2024	WNV
Tulare	DLTA 8436	2282	Cx quinquefasciatus	Visalia	12	GRVD	7/24/2024	WNV
Tulare	DLTA 8536	2258	Cx quinquefasciatus	Farmersville	21	GRVD	7/23/2024	WNV
Tulare	DLTA 94032	2349	Cx quinquefasciatus	Visalia	12	GRVD	7/26/2024	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04
Merced	MERC 6	Merced	7/29/2024	WNV	2369			
Merced	MERC 502	Hilmar	7/19/2024	WNV	2384	2385	2387	2389
Solano	SOLA 15	Winters	7/29/2024	WNV	3251	3252	3254	3256

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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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