

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024



### WEEKLY UPDATE

#### **Humans**

##### West Nile virus

A total of 8 new human cases of West Nile virus (WNV) disease were reported this week from 6 counties: Fresno (1), Kern (2), Riverside (1), San Bernardino (2), Stanislaus (1), and Yuba (1). **These are the first human cases of WNV disease reported for Kern, San Bernardino, and Stanislaus counties this year.** In 2024, 27 human cases of WNV disease were reported from 11 counties. Of the 27 cases, 21 (78%) had neuroinvasive disease and 3 (11%) were fatal. The median age of the case-patients was 57 years and 19 (70%) of the case-patients were male. The dates of symptom onset ranged from May 28 to August 15. In addition to the 27 cases of WNV disease, 8 asymptomatic WNV-positive blood donors have been reported from 5 counties: Butte (1), Fresno (3), Los Angeles (1), San Bernardino (2), and Stanislaus (1). At this time last year, 75 human cases of WNV disease had been reported from 21 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 63 new WNV positive dead birds were reported from 6 counties: Alameda (7), Los Angeles (1), San Bernardino (2), San Mateo (8), Santa Clara (44), and Solano (1). In 2024, 352 WNV positive dead birds have been reported from 18 counties. At this time last year, 443 WNV positive dead birds had been reported from 25 counties.

#### **Mosquito Pools**

##### West Nile virus

A total of 166 new WNV positive mosquito pools were reported from 21 counties: Alameda (2), Butte (5), Contra Costa (1), Fresno (8), Kings (18), Lake (1), Los Angeles (25), Madera (17), Merced (10), Orange (11), Placer (12), Riverside (4), Sacramento (4), San Bernardino (3), San Joaquin (15), Santa Clara (2), Shasta (2), Solano (4), Stanislaus (5), Tulare (12), and Yolo (5). In 2024, 1,386 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 3,161 WNV positive mosquito pools had been reported from 29 counties.

##### St. Louis encephalitis virus

A single (1) new SLEV positive mosquito pool was reported from 1 county: Kings (1). **This is the first detection of SLEV activity in Kings County this year.** In 2024, 15 SLEV positive mosquito pools have been reported from 4 counties: Fresno (10), Imperial (1), Kings (1), and Tulare (3). At this time last year, 302 SLEV positive mosquito pools had been reported from 12 counties.

#### **Sentinel Chickens**

No new WNV positive chickens were reported this week. In 2024, 75 WNV positive sentinel chickens have been reported from 9 counties. At this time last year, 123 WNV positive chickens had been reported from 14 counties.

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024

<b>2023 &amp; 2024 YTD West Nile Virus Comparisons</b>		
	<b>2023</b>	<b>2024</b>
Total No. Dead Bird Reports	4,679	4,773
No. Positive Counties	37	29
No. Human Cases	75	27
No. Positive Dead Birds / No. Tested	443 / 1,358	352 / 1,368
No. Positive Mosquito Pools / No. Tested	3,161 / 36,583	1,386 / 33,385
No. Seroconversions / No. Tested	123 / 2,752	75 / 3,231

<b>YTD WNV Activity by Element and County, 2024</b>					
<b>County</b>	<b>Humans</b>	<b>Horses</b>	<b>Dead Birds</b>	<b>Mosquito Pools</b>	<b>Sentinel Chickens</b>
Alameda			40	18	
Butte	7		4	58	19
Colusa			1		
Contra Costa	1		6	7	8
Fresno	2			161	
Imperial				2	
Kern	2			35	
Kings	2			63	
Lake			1	13	5
Los Angeles			9	99	
Madera				57	
Merced				28	11
Orange	0		1	27	
Placer		1	1	73	
Riverside	3		2	209	
Sacramento		1	53	46	
San Bernardino	2		10	68	
San Diego		1	2		
San Joaquin		1	5	136	
San Mateo			22		
Santa Clara	2		190	29	
Shasta				25	
Solano			2	10	5
Stanislaus	1			32	
Sutter				29	13
Tehama					1
Tulare				90	6
Yolo	2		1	42	
Yuba	3	1	2	29	7
<b>Totals</b>	<b>27</b>	<b>5</b>	<b>352</b>	<b>1,386</b>	<b>75</b>

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024

### TESTING SUMMARIES

		WNV	SLEV	WEEV
<b>Human Cases</b>	Week	8	0	0
	YTD	27	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

<b>Dead Birds</b>	Week	63 / 84
	YTD	352 / 1,368

<b>Chicken Sera</b>	Week	0 / 214	0 / 214	0 / 214
	YTD	75 / 3,231	0 / 3,231	0 / 3,231

<b>Mosquito Pools</b>	Week	166 / 1,439	1 / 1,305	0 / 1,305	0 / 0	0 / 0	0 / 0
	YTD	1,386 / 33,385	15 / 30,980	0 / 31,003	0 / 549	0 / 549	0 / 549

### POSITIVES

#### Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Fremont	94555	American Crow	8/22/2024	WNV
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/22/2024	WNV
Alameda	Alameda Co MAD	Hayward	94545	Unknown	8/26/2024	WNV
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/28/2024	WNV
Alameda	Alameda Co MAD	Fremont	94539	American Crow	8/28/2024	WNV
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/28/2024	WNV
Alameda	Alameda Co MAD	Newark	94560	American Crow	8/29/2024	WNV
Los Angeles	Greater Los Angeles Co VCD - Sylmar	Los Angeles	91316	American Crow	8/19/2024	WNV
San Bernardino	San Bernardino Vector Control Program	Lake Arrowhead	92352	Western Bluebird	8/19/2024	WNV
San Bernardino	West Valley MVCD	Ontario	91761	American Crow	8/22/2024	WNV
San Mateo	San Mateo Co MVCD	Atherton	94027	American Crow	8/20/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	California Scrub-Jay	8/21/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/21/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/23/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	Steller's Jay	8/25/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/26/2024	WNV
San Mateo	San Mateo Co MVCD	Redwood City	94061	American Crow	8/26/2024	WNV
San Mateo	San Mateo Co MVCD	Menlo Park	94025	American Crow	8/27/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94024	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95131	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	Common Raven	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	Finch	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/23/2024	WNV

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024

Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	Finch	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95134	Chestnut-Backed Chickadee	8/23/2024	WNV
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/24/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94086	American Crow	8/24/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/25/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	Unknown	8/26/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Altos	94022	American Crow	8/26/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/26/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95112	American Crow	8/27/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/27/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95111	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95120	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Sunnyvale	94087	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95118	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95148	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Santa Clara	95054	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95128	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95122	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Milpitas	95035	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	Campbell	95008	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95125	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95139	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/28/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	8/28/2024	WNV
Solano	Solano Co MAD	Dixon	95620	American Crow	8/23/2024	WNV

### Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Alameda	ALCO 498661	33582	Cx tarsalis	Newark	35	CO2	8/29/2024	WNV
Alameda	ALCO 951594	33450	Cx tarsalis	Union City	7	CO2	8/27/2024	WNV
Butte	BUCO 113	317	Cx tarsalis	Gridley	50	CO2	8/20/2024	WNV
Butte	BUCO 123	316	Cx tarsalis	Oroville	50	CO2	8/20/2024	WNV
Butte	BUCO 126	319	Cx tarsalis	Chico	50	CO2	8/19/2024	WNV
Butte	BUCO 175	333	Cx tarsalis	Gridley	50	CO2	8/21/2024	WNV
Butte	BUCO 33	330	Cx tarsalis	Chico	50	CO2	8/21/2024	WNV
Contra Costa	CNTR 2302	1432	Cx tarsalis	Martinez	50	CO2	8/27/2024	WNV
Fresno	CNSL 3129	517	Cx quinquefasciatus	Kingsburg	34	GRVD	8/22/2024	WNV
Fresno	CNSL 3553	121	Cx stigmatosoma	Orange Cove	30	GRVD	8/21/2024	WNV
Fresno	CNSL 4072	516	Cx quinquefasciatus	Selma	50	GRVD	8/22/2024	WNV
Fresno	CNSL 6324	100	Cx quinquefasciatus	Riverdale	50	GRVD	8/20/2024	WNV
Fresno	FRNO 238	508	Cx quinquefasciatus	Fresno	49	GRVD	8/27/2024	WNV
Fresno	FRWS 1202	188	Cx tarsalis	Dos Palos	50	CO2	8/27/2024	WNV
Fresno	FRWS 300031	190	Cx tarsalis	Firebaugh	50	CO2	8/27/2024	WNV
Fresno	FRWS 4110	200	Cx tarsalis	Mendota	50	CO2	8/27/2024	WNV
Kings	KNGS 3022	177	Cx tarsalis	Hanford	28	CO2	8/23/2024	WNV
Kings	KNGS 3030	147	Cx tarsalis	Lemoore	41	CO2	8/20/2024	WNV
Kings	KNGS 3062	174	Cx tarsalis	Lemoore	22	CO2	8/23/2024	WNV
Kings	KNGS 3076	161	Cx tarsalis	Hanford	19	CO2	8/21/2024	WNV
Kings	KNGS 3083	148	Cx tarsalis	Lemoore	50	CO2	8/20/2024	WNV
Kings	KNGS 3083	149	Cx tarsalis	Lemoore	50	CO2	8/20/2024	WNV
Kings	KNGS 3083	152	Cx erythrothorax	Lemoore	26	CO2	8/20/2024	WNV
Kings	KNGS 3115	180	Cx pipiens	Hanford	25	CO2	8/23/2024	WNV
Kings	KNGS 3115	180	Cx pipiens	Hanford	25	CO2	8/23/2024	SLEV
Kings	KNGS 3126	160	Cx tarsalis	Corcoran	50	CO2	8/21/2024	WNV
Kings	KNGS 3128	144	Cx tarsalis	Island	40	CO2	8/20/2024	WNV
Kings	KNGS 3131	157	Cx tarsalis	Stratford	50	CO2	8/21/2024	WNV
Kings	KNGS 3131	158	Cx tarsalis	Stratford	50	CO2	8/21/2024	WNV
Kings	KNGS 3131	159	Cx pipiens	Stratford	44	CO2	8/21/2024	WNV
Kings	KNGS 3140	170	Cx tarsalis	Hardwick	50	CO2	8/23/2024	WNV
Kings	KNGS 3140	171	Cx tarsalis	Hardwick	50	CO2	8/23/2024	WNV
Kings	KNGS 3140	173	Cx pipiens	Hardwick	49	CO2	8/23/2024	WNV

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024

Kings	KNGS 8008	167	Cx pipiens	Hanford	50	CO2	8/21/2024	WNV
Kings	KNGS 8036	162	Cx tarsalis	Traver	14	CO2	8/21/2024	WNV
Lake	LAKE 233	317	Cx tarsalis	Clearlake Oaks	50	CO2	8/27/2024	WNV
Los Angeles	GRLA 2029	5778	Cx quinquefasciatus	Canoga Park	50	BGSENT	8/22/2024	WNV
Los Angeles	GRLA 2093	648	Cx quinquefasciatus	South Gate	33	GRVD	8/22/2024	WNV
Los Angeles	GRLA 2116	649	Cx quinquefasciatus	Cudahy	50	GRVD	8/22/2024	WNV
Los Angeles	GRLA 2414	5771	Cx quinquefasciatus	Granada Hills	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2419	5770	Cx quinquefasciatus	Panorama City	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2421	5772	Cx quinquefasciatus	Panorama City	33	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2450	5760	Cx quinquefasciatus	Glendale	43	GRVD	8/20/2024	WNV
Los Angeles	GRLA 2593	5755	Cx quinquefasciatus	San Marino	38	GRVD	8/20/2024	WNV
Los Angeles	GRLA 2637	5769	Cx quinquefasciatus	Van Nuys	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 2724	5777	Cx quinquefasciatus	Winnetka	50	GRVD	8/22/2024	WNV
Los Angeles	GRLA 2735	5785	Cx quinquefasciatus	Los Angeles	50	GRVD	8/23/2024	WNV
Los Angeles	GRLA 3034	5773	Cx quinquefasciatus	North Hills	50	GRVD	8/21/2024	WNV
Los Angeles	GRLA 3036	5780	Cx quinquefasciatus	Canoga Park	50	BGSENT	8/22/2024	WNV
Los Angeles	GRLA 3045	630	Cx quinquefasciatus	Whittier	48	GRVD	8/20/2024	WNV
Los Angeles	GRLA 3054	655	Cx quinquefasciatus	Bell Gardens	31	GRVD	8/22/2024	WNV
Los Angeles	GRLA 3100	654	Cx quinquefasciatus	Bell	50	GRVD	8/22/2024	WNV
Los Angeles	LACW 1048	893	Cx quinquefasciatus	Inglewood	42	CO2	8/8/2024	WNV
Los Angeles	LACW 1054	895	Cx quinquefasciatus	Inglewood	50	CO2	8/8/2024	WNV
Los Angeles	LACW 1054	897	Cx quinquefasciatus	Inglewood	39	CO2	8/8/2024	WNV
Los Angeles	LACW 1054	911	Cx quinquefasciatus	Inglewood	38	CO2	8/15/2024	WNV
Los Angeles	SGVA 1069	609	Cx quinquefasciatus	La Puente	49	GRVD	8/27/2024	WNV
Los Angeles	SGVA 1117	608	Cx quinquefasciatus	West Covina	50	GRVD	8/27/2024	WNV
Los Angeles	SGVA 477	604	Cx quinquefasciatus	West Covina	50	GRVD	8/27/2024	WNV
Los Angeles	SGVA 960	597	Cx quinquefasciatus	Rosemead	47	GRVD	8/27/2024	WNV
Los Angeles	SGVA 961	595	Cx quinquefasciatus	Alhambra	50	GRVD	8/27/2024	WNV
Madera	MADR 1012	466	Cx tarsalis	Madera County	50	CO2	8/21/2024	WNV
Madera	MADR 1097	458	Cx tarsalis	Madera	50	CO2	8/20/2024	WNV
Madera	MADR 12360	484	Cx tarsalis	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 12363	481	Cx tarsalis	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 12369	487	Cx tarsalis	Madera, Ca	33	CO2	8/22/2024	WNV
Madera	MADR 208	467	Cx tarsalis	Madera	50	CO2	8/21/2024	WNV
Madera	MADR 208	468	Cx quinquefasciatus	Madera	50	CO2	8/21/2024	WNV
Madera	MADR 259	455	Cx quinquefasciatus	Madera	38	CO2	8/20/2024	WNV
Madera	MADR 276	482	Cx quinquefasciatus	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 309	476	Cx quinquefasciatus	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 3191	478	Cx tarsalis	Firebaugh	50	CO2	8/22/2024	WNV
Madera	MADR 581	479	Cx tarsalis	Madera	50	CO2	8/22/2024	WNV
Madera	MADR 697	471	Cx tarsalis	Firebaugh	50	CO2	8/21/2024	WNV
Madera	MADR 726	457	Cx tarsalis	Madera	50	CO2	8/20/2024	WNV
Madera	MADR 752	469	Cx tarsalis	Firebaugh	50	CO2	8/21/2024	WNV
Madera	MADR 754	474	Cx tarsalis	Firebaugh	50	CO2	8/21/2024	WNV
Madera	MADR 763	460	Cx tarsalis	Madera	50	CO2	8/21/2024	WNV
Merced	MERC 102	354	Cx pipiens	Merced	11	CO2	8/23/2024	WNV
Merced	MERC 102	356	Cx tarsalis	Merced	50	CO2	8/23/2024	WNV
Merced	MERC 201727	361	Cx tarsalis	Mcswain	10	CO2	8/23/2024	WNV
Merced	MERC 201745	412	Cx pipiens	Delhi	42	BGSENT	8/28/2024	WNV
Merced	MERC 346159	372	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 346159	374	Cx pipiens	Delhi	12	BGSENT	8/28/2024	WNV
Merced	MERC 492592	382	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 492592	384	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 492592	386	Cx pipiens	Delhi	50	BGSENT	8/28/2024	WNV
Merced	MERC 861228	395	Cx pipiens	Delhi	34	BGSENT	8/28/2024	WNV
Orange	ORCO 1010	1683	Cx quinquefasciatus	Huntington Beach	15	GRVD	8/1/2024	WNV
Orange	ORCO 1010	1693	Cx quinquefasciatus	Huntington Beach	25	GRVD	8/1/2024	WNV
Orange	ORCO 235	2142	Cx quinquefasciatus	Stanton	11	BGSENT	8/23/2024	WNV
Orange	ORCO 323	2215	Cx quinquefasciatus	Buena Park	40	GRVD	8/27/2024	WNV
Orange	ORCO 328	2036	Cx quinquefasciatus	Fullerton	32	GRVD	8/20/2024	WNV
Orange	ORCO 329	2188	Cx quinquefasciatus	Fullerton	30	GRVD	8/27/2024	WNV
Orange	ORCO 336	1986	Cx quinquefasciatus	Anaheim	30	GRVD	8/16/2024	WNV
Orange	ORCO 340	2228	Cx quinquefasciatus	Santa Ana	43	GRVD	8/27/2024	WNV
Orange	ORCO 343	2016	Cx quinquefasciatus	Orange	20	GRVD	8/20/2024	WNV
Orange	ORCO 343	2220	Cx quinquefasciatus	Orange	29	GRVD	8/27/2024	WNV
Orange	ORCO 81	2234	Cx quinquefasciatus	Seal Beach	26	GRVD	8/28/2024	WNV
Placer	PLCR 1113	1202	Cx tarsalis	Pleasant Grove	50	CO2	8/27/2024	WNV
Placer	PLCR 191218	1205	Cx tarsalis	Roseville	50	CO2	8/27/2024	WNV
Placer	PLCR 191218	1207	Cx tarsalis	Roseville	50	CO2	8/27/2024	WNV

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024

Placer	PLCR 191218	1209	Cx tarsalis	Roseville	47	CO2	8/27/2024	WNV
Placer	PLCR 191232	1155	Cx tarsalis	Unknown	11	CO2	8/22/2024	WNV
Placer	PLCR 191235	1239	Cx tarsalis	Newcastle	1	CO2	8/28/2024	WNV
Placer	PLCR 191373	1183	Cx tarsalis	Pleasant Grove	50	CO2	8/27/2024	WNV
Placer	PLCR 191373	1184	Cx tarsalis	Pleasant Grove	50	CO2	8/27/2024	WNV
Placer	PLCR 191373	1185	Cx tarsalis	Pleasant Grove	35	CO2	8/27/2024	WNV
Placer	PLCR 197802	1189	Cx tarsalis	Elverta	50	CO2	8/27/2024	WNV
Placer	PLCR 198710	1240	Cx tarsalis	Lincoln	50	CO2	8/28/2024	WNV
Placer	PLCR 198710	1241	Cx tarsalis	Lincoln	27	CO2	8/28/2024	WNV
Riverside	COAV 121	4840	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Riverside	COAV 122	4870	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Riverside	COAV 611	4668	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Riverside	COAV 611	4669	Cx tarsalis	Mecca	50	CO2	8/27/2024	WNV
Sacramento	SAYO 203037	4026	Cx pipiens	Elverta	17	GRVD	8/27/2024	WNV
Sacramento	SAYO 204051	3771	Cx tarsalis	Citrus Heights	1	CO2	8/23/2024	WNV
Sacramento	SAYO 233015	3906	Cx tarsalis	Sacramento	33	CO2	8/27/2024	WNV
Sacramento	SAYO 233015	3908	Cx tarsalis	Sacramento	1	GRVD	8/27/2024	WNV
San Bernardino	WVAL 2018	1799	Cx quinquefasciatus	Chino	17	GRVD	8/27/2024	WNV
San Bernardino	WVAL 5682	1844	Cx quinquefasciatus	Rancho Cucamonga	13	BGSENT	8/28/2024	WNV
San Bernardino	WVAL 9007	1796	Cx quinquefasciatus	Upland	9	GRVD	8/27/2024	WNV
San Joaquin	SJCM 8029	1436	Cx pipiens	Farmington	38	CO2	8/27/2024	WNV
San Joaquin	SJCM 8041	1382	Cx tarsalis	Lodi	13	CO2	8/27/2024	WNV
San Joaquin	SJCM 8045	1422	Cx tarsalis	Thornton	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1440	Cx tarsalis	Escalon	28	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1441	Cx pipiens	Escalon	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1442	Cx pipiens	Escalon	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1443	Cx pipiens	Escalon	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8083	1444	Cx pipiens	Escalon	36	CO2	8/27/2024	WNV
San Joaquin	SJCM 8160	1450	Cx tarsalis	Lodi	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8160	1451	Cx tarsalis	Lodi	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8160	1452	Cx tarsalis	Lodi	27	CO2	8/27/2024	WNV
San Joaquin	SJCM 8206	1424	Cx tarsalis	Lodi	50	CO2	8/27/2024	WNV
San Joaquin	SJCM 8209	1418	Cx pipiens	Lodi	18	CO2	8/27/2024	WNV
San Joaquin	SJCM 8210	1438	Cx pipiens	Escalon	43	CO2	8/27/2024	WNV
San Joaquin	SJCM 8253	1408	Cx tarsalis	Linden	34	CO2	8/27/2024	WNV
Santa Clara	STCL 31077	31077	Cx tarsalis	San Jose	4	CO2	8/29/2024	WNV
Santa Clara	STCL 31245	2546	Cx pipiens	San Jose	9	GRVD	8/27/2024	WNV
Shasta	SHAS 10070	645	Cx pipiens	Shasta Lake City	44	CO2	8/28/2024	WNV
Shasta	SHAS 636	655	Cx tarsalis	Redding	50	CO2	8/28/2024	WNV
Solano	SOLA 29	364	Cx tarsalis	Dixon	50	CO2	8/27/2024	WNV
Solano	SOLA 38	366	Cx tarsalis	Dixon	50	CO2	8/27/2024	WNV
Solano	SOLA 38	371	Cx pipiens	Dixon	37	CO2	8/27/2024	WNV
Solano	SOLA 8803	361	Cx tarsalis	Dixon	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 17152	576	Cx tarsalis	Denair	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 526	577	Cx tarsalis	Denair	13	CO2	8/27/2024	WNV
Stanislaus	TRLK 536	559	Cx pipiens	Turlock	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 613	581	Cx tarsalis	Hickman	50	CO2	8/27/2024	WNV
Stanislaus	TRLK 613	584	Cx tarsalis	Hickman	50	CO2	8/27/2024	WNV
Tulare	DLTA 162326	2744	Cx quinquefasciatus	Dinuba	12	GRVD	8/23/2024	WNV
Tulare	DLTA 300021	2733	Cx quinquefasciatus	Visalia	30	BGSENT	8/22/2024	WNV
Tulare	DLTA 83231	2714	Cx quinquefasciatus	Goshen	42	CO2	8/21/2024	WNV
Tulare	DLTA 83231	2716	Cx tarsalis	Goshen	32	CO2	8/21/2024	WNV
Tulare	DLTA 84094	2695	Cx quinquefasciatus	Visalia	21	CO2	8/21/2024	WNV
Tulare	DLTA 8413	2739	Cx quinquefasciatus	Visalia	21	BGSENT	8/23/2024	WNV
Tulare	DLTA 8414	2706	Cx quinquefasciatus	Visalia	35	BGSENT	8/21/2024	WNV
Tulare	DLTA 841631	2700	Cx tarsalis	Visalia	35	CO2	8/21/2024	WNV
Tulare	DLTA 94122	2745	Cx quinquefasciatus	Visalia	20	BGSENT	8/23/2024	WNV
Tulare	DLTA 962621	2728	Cx stigmatosoma	Exeter	29	CO2	8/22/2024	WNV
Tulare	TLRE 202506	96	Cx quinquefasciatus	Tulare	40	GRVD	8/21/2024	WNV
Tulare	TLRE 212634	95	Cx quinquefasciatus	Poplar	50	GRVD	8/20/2024	WNV
Yolo	SAYO 116007	4004	Cx tarsalis	Knights Landing	50	CO2	8/27/2024	WNV
Yolo	SAYO 135005	3828	Cx tarsalis	Woodland	13	CO2	8/23/2024	WNV
Yolo	SAYO 135006	3838	Cx tarsalis	Woodland	50	CO2	8/23/2024	WNV
Yolo	SAYO 136010	3997	Cx tarsalis	Woodland	50	CO2	8/27/2024	WNV
Yolo	SAYO 434653	3755	Cx tarsalis	Davis	50	BGSENT	8/22/2024	WNV

## California Arbovirus Surveillance Bulletin #21

Week 35 Friday, August 30, 2024

### 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)*