

## California Arbovirus Surveillance Bulletin #25

Week 38 Friday, September 23, 2022



### WEEKLY UPDATE

#### **Humans**

##### West Nile virus

A total of 16 cases of West Nile virus (WNV) illness were reported this week from 9 counties: Fresno (4), Kern (2), Merced (1), Orange (1), San Joaquin (3), Solano (1), Sonoma (1), Stanislaus (1), and Tulare (2).

**These are the first WNV human cases reported from San Joaquin and Sonoma counties this year.**

In 2022, a total of 69 cases have been reported from 17 counties. Of the 69 cases, 48 (70%) had neuroinvasive illness and 6 (9%) were fatal. The median age of the cases was 60 years and 41 (59%) were male. The dates of symptom onset ranged from April 11 to September 6. In addition to the 69 WNV cases, 7 asymptomatic WNV-positive blood donors have been reported from 4 counties: Fresno (3), Kern (1), Los Angeles (2), and San Joaquin (1). At this time last year, 57 WNV cases had been reported from 17 counties.

##### St. Louis encephalitis virus

A single (1) human case of St. Louis encephalitis virus (SLEV) was reported this week from Fresno County. **This is the first SLEV human case reported from Fresno County this year.** In 2022, 5 SLEV human cases have been reported from 4 counties: Fresno (1), Kern (1), Stanislaus (1), and Tulare (2). At this time last year, 0 SLEV cases had been reported.

#### **Dead Birds**

A total of 13 WNV positive dead birds were reported this week from 8 counties: Los Angeles (3), Madera (2), Riverside (1), Sacramento (2), San Joaquin (1), Santa Clara (1), Solano (1), and Yolo (2). **These are the first WNV positive dead birds reported from Madera and San Joaquin counties this year.** In 2022, 154 WNV positive dead birds have been reported from 22 counties. At this time last year, 192 WNV positive dead birds had been reported from 18 counties.

#### **Mosquito Pools**

##### West Nile virus

A total of 152 WNV positive mosquito pools were reported this week from 14 counties: Butte (1), Fresno (3), Kern (5), Kings (10), Los Angeles (29), Madera (7), Merced (1), Riverside (11), Sacramento (3), San Bernardino (2), San Joaquin (4), Santa Clara (2), Stanislaus (4), and Tulare (70). In 2022, 2,817 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 2,126 WNV positive pools had been reported from 25 counties.

##### St. Louis encephalitis virus

A total of 21 SLEV positive mosquito pools were reported this week from 5 counties: Fresno (1), Kern (3), Kings (9), Madera (3), and Riverside (5). In 2022, 116 SLEV positive mosquito pools from 9 counties have been reported: Fresno (6), Imperial (5), Kern (4), Kings (27), Los Angeles (1), Madera (9), Riverside (53), San Joaquin (1), and Tulare (10). At this time last year, 34 SLEV positive pools had been reported from 7 counties.

#### **Sentinel Chickens**

A total of 8 WNV positive chickens were reported this week from 3 counties: Colusa (2), Contra Costa (2), and Los Angeles (4). In 2022, 119 WNV positive chickens have been reported from 13 counties. At this time last year, 78 WNV positive chickens had been reported from 9 counties.

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<b>2021 &amp; 2022 YTD West Nile Virus Comparisons</b>		
	<b>2021</b>	<b>2022</b>
Total No. Dead Bird Reports	4,364	4,038
No. Positive Counties	31	31
No. Human Cases	57	69
No. Positive Dead Birds / No. Tested	192 / 1,380	154 / 1,103
No. Positive Mosquito Pools / No. Tested	2,126 / 32,173	2,817 / 32,801
No. Seroconversions / No. Tested	78 / 4,728	119 / 4,204

<b>YTD WNV Activity by Element and County, 2022</b>					
<b>County</b>	<b>Humans</b>	<b>Horses</b>	<b>Dead Birds</b>	<b>Mosquito Pools</b>	<b>Sentinel Chickens</b>
Butte	3		2	39	26
Colusa					3
Contra Costa			1	2	5
Fresno	13		2	284	
Imperial				1	
Kern	9	3		93	
Kings	3			105	
Lake			2	7	3
Los Angeles	8		34	411	13
Madera	1		2	126	
Merced	3		1	20	16
Napa				1	
Nevada			1		
Orange	3		1	31	
Placer			5	88	
Riverside			2	112	
Sacramento		1	35	38	6
San Bernardino			6	75	
San Joaquin	3		1	177	
San Luis Obispo		1			
Santa Clara			17	21	
Shasta			1	38	1
Solano	2		9	12	
Sonoma	1				
Stanislaus	6			60	
Sutter			4	31	16
Tehama	2	1			4
Tulare	6	3	2	969	10
Ventura	2		1		
Yolo	3		24	64	3
Yuba	1		1	12	13
<b>Totals</b>	<b>69</b>	<b>9</b>	<b>154</b>	<b>2,817</b>	<b>119</b>

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### TESTING SUMMARIES

		WNV	SLEV	WEEV
<b>Human Cases</b>	Week	16	1	0
	YTD	69	5	0

		Positive / Total Tested					
		WNV	SLEV	WEEV	CHIK	DENV	ZIKA
<b>Dead Birds</b>	Week	13 / 28					
	YTD	154 / 1,103					
<b>Chicken Sera</b>	Week	8 / 173	0 / 173	0 / 173			
	YTD	119 / 4,204	0 / 4,204	0 / 4,204			
<b>Mosquito Pools</b>	Week	152 / 1,428	21 / 1,416	0 / 1,406	0 / 68	0 / 68	0 / 68
	YTD	2,817 / 32,801	116 / 29,393	0 / 29,325	0 / 351	0 / 351	0 / 351

### POSITIVES

#### Dead Birds

County	Agency	City	Zip Code	Species	Date Reported	Virus
Los Angeles	Greater Los Angeles Co VCD - SFS	Lakewood	90715	Sparrow	9/13/2022	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Long Beach	90815	American Crow	9/14/2022	WNV
Los Angeles	San Gabriel Valley MVCD	Alhambra	91803	House Finch	9/19/2022	WNV
Madera	Madera Co MVCD	Chowchilla	93610	American Crow	8/31/2022	WNV
Madera	Madera Co MVCD	Chowchilla	93610	American Crow	9/13/2022	WNV
Riverside	Northwest Mosquito VCD	Riverside	92506	American Crow	8/8/2022	WNV
Sacramento	Sacramento-Yolo MVCD	Mather	95655	California Quail	9/12/2022	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95814	American Crow	9/18/2022	WNV
San Joaquin	San Joaquin Co MVCD	Stockton	95206	American Crow	9/16/2022	WNV
Santa Clara	Santa Clara Co VCD	Santa Clara	95051	American Crow	9/16/2022	WNV
Solano	Solano Co MAD	Elmira	95625	American Crow	9/21/2022	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95616	California Scrub-Jay	9/14/2022	WNV
Yolo	Sacramento-Yolo MVCD	Davis	95616	Common Raven	9/19/2022	WNV

#### Mosquito Pools

County	Site code	Pool #	Species	City	# in Pool	Trap type	Collected	Virus
Butte	BUCO 36	399	Cx. tarsalis	Gridley	50	CO2	9/12/2022	WNV
Fresno	CNSL 1945	627	Cx. quinquefasciatus	Clovis	24	GRVD	9/13/2022	WNV
Fresno	CNSL 3381	628	Cx. quinquefasciatus	Reedley	50	GRVD	9/14/2022	WNV
Fresno	CNSL 6196	135	Cx. tarsalis	Riverdale	50	CO2	9/16/2022	SLEV

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Fresno	CNSL 6196	135	Cx. tarsalis	Riverdale	50	CO2	9/16/2022	WNV
Kern	DLNO 135	189	Cx. quinquefasciatus	Delano	50	GRVD	9/16/2022	WNV
Kern	DLNO 4	188	Cx. quinquefasciatus	Delano	36	GRVD	9/16/2022	WNV
Kern	DLNO 53	193	Cx. quinquefasciatus	Delano	50	GRVD	9/16/2022	SLEV
Kern	DLNO 83	192	Cx. quinquefasciatus	McFarland	17	GRVD	9/16/2022	SLEV
Kern	KERN 111	442	Cx. quinquefasciatus	Arvin	50	CO2	9/13/2022	WNV
Kern	KERN 3023	454	Cx. quinquefasciatus	Wasco	50	CO2	9/13/2022	WNV
Kern	KERN 3030	456	Cx. quinquefasciatus	Shafter	50	CO2	9/13/2022	SLEV
Kern	KERN 36	445	Cx. tarsalis	Bakersfield	22	CO2	9/13/2022	WNV
Kings	KNGS 3028	248	Cx. tarsalis	Hanford	50	CO2	9/15/2022	SLEV
Kings	KNGS 3028	250	Cx. pipiens	Hanford	46	CO2	9/15/2022	WNV
Kings	KNGS 3030	238	Cx. tarsalis	Lemoore	50	CO2	9/13/2022	SLEV
Kings	KNGS 3071	240	Cx. tarsalis	Riverdale	50	CO2	9/13/2022	SLEV
Kings	KNGS 3071	240	Cx. tarsalis	Riverdale	50	CO2	9/13/2022	WNV
Kings	KNGS 3098	243	Cx. tarsalis	Hardwick	50	CO2	9/14/2022	SLEV
Kings	KNGS 3117	244	Cx. tarsalis	Grangeville	50	CO2	9/14/2022	SLEV
Kings	KNGS 3125	246	Cx. tarsalis	Hardwick	25	CO2	9/14/2022	SLEV
Kings	KNGS 3125	246	Cx. tarsalis	Hardwick	25	CO2	9/14/2022	WNV
Kings	KNGS 3126	254	Cx. tarsalis	Corcoran	50	CO2	9/16/2022	SLEV
Kings	KNGS 3126	254	Cx. tarsalis	Corcoran	50	CO2	9/16/2022	WNV
Kings	KNGS 3126	255	Cx. tarsalis	Corcoran	50	CO2	9/16/2022	WNV
Kings	KNGS 3127	256	Cx. tarsalis	Corcoran	50	CO2	9/16/2022	WNV
Kings	KNGS 3127	257	Cx. tarsalis	Corcoran	50	CO2	9/16/2022	SLEV
Kings	KNGS 3131	235	Cx. pipiens	Stratford	16	CO2	9/13/2022	WNV
Kings	KNGS 3136	251	Cx. tarsalis	Hanford	50	CO2	9/15/2022	SLEV
Kings	KNGS 3136	251	Cx. tarsalis	Hanford	50	CO2	9/15/2022	WNV
Kings	KNGS 3136	253	Cx. pipiens	Hanford	22	CO2	9/15/2022	WNV
Kings	KNGS 8005	236	Cx. tarsalis	Stratford	50	CO2	9/13/2022	WNV
Los Angeles	GRLA 2007	5864	Cx. quinquefasciatus	Toluca Lake	42	GRVD	9/13/2022	WNV
Los Angeles	GRLA 2021	5876	Cx. quinquefasciatus	Reseda	50	GRVD	9/14/2022	WNV
Los Angeles	GRLA 2093	805	Cx. quinquefasciatus	South Gate	12	GRVD	9/16/2022	WNV
Los Angeles	GRLA 2116	806	Cx. quinquefasciatus	Cudahy	41	GRVD	9/16/2022	WNV
Los Angeles	GRLA 2131	789	Cx. quinquefasciatus	Wilmington	50	GRVD	9/14/2022	WNV
Los Angeles	GRLA 2145	796	Cx. quinquefasciatus	Long Beach	50	GRVD	9/15/2022	WNV
Los Angeles	GRLA 2278	800	Cx. quinquefasciatus	Long Beach	40	GRVD	9/15/2022	WNV
Los Angeles	GRLA 2465	5886	Cx. quinquefasciatus	Los Feliz	29	BGSENT	9/15/2022	WNV
Los Angeles	GRLA 2889	798	Cx. quinquefasciatus	Lakewood	50	GRVD	9/15/2022	WNV
Los Angeles	GRLA 2890	799	Cx. quinquefasciatus	Lakewood	19	GRVD	9/15/2022	WNV
Los Angeles	GRLA 2957	795	Cx. quinquefasciatus	Hawaiian Gardens	51	GRVD	9/15/2022	WNV
Los Angeles	GRLA 3046	802	Cx. quinquefasciatus	Bellflower	38	GRVD	9/16/2022	WNV
Los Angeles	GRLA 3047	801	Cx. quinquefasciatus	Downey	50	GRVD	9/16/2022	WNV
Los Angeles	GRLA 3054	810	Cx. quinquefasciatus	Bell Gardens	50	GRVD	9/16/2022	WNV
Los Angeles	GRLA 3055	809	Cx. quinquefasciatus	Maywood	50	GRVD	9/16/2022	WNV
Los Angeles	GRLA 3056	807	Cx. quinquefasciatus	Cudahy	33	GRVD	9/16/2022	WNV
Los Angeles	GRLA 3058	812	Cx. quinquefasciatus	Lynwood	15	BGSENT	9/16/2022	WNV
Los Angeles	GRLA 3066	5868	Cx. quinquefasciatus	Valley Glen	50	GRVD	9/13/2022	WNV
Los Angeles	GRLA 3069	5863	Cx. quinquefasciatus	Valley Village	23	GRVD	9/13/2022	WNV
Los Angeles	GRLA 3076	5870	Cx. quinquefasciatus	Valley Glen	25	GRVD	9/13/2022	WNV
Los Angeles	GRLA 3079	5871	Cx. quinquefasciatus	Sun Valley	41	GRVD	9/13/2022	WNV
Los Angeles	GRLA 3102	5866	Cx. quinquefasciatus	Studio City	50	BGSENT	9/13/2022	WNV
Los Angeles	SGVA 1010	1032	Cx. quinquefasciatus	Monrovia	25	GRVD	9/21/2022	WNV
Los Angeles	SGVA 1069	1030	Cx. quinquefasciatus	La Puente	19	GRVD	9/21/2022	WNV
Los Angeles	SGVA 1070	1038	Cx. quinquefasciatus	Bradbury	20	GRVD	9/21/2022	WNV
Los Angeles	SGVA 1117	1029	Cx. quinquefasciatus	West Covina	50	GRVD	9/21/2022	WNV
Los Angeles	SGVA 450	1027	Cx. quinquefasciatus	La Puente	31	GRVD	9/21/2022	WNV
Los Angeles	SGVA 695	1042	Cx. quinquefasciatus	Rosemead	16	GRVD	9/20/2022	WNV
Los Angeles	SGVA 996	1041	Cx. quinquefasciatus	South Pasadena	27	GRVD	9/20/2022	WNV
Madera	MADR 195	723	Cx. tarsalis	Madera	50	CO2	9/16/2022	WNV
Madera	MADR 195	724	Cx. tarsalis	Madera	50	CO2	9/16/2022	WNV
Madera	MADR 298	679	Cx. quinquefasciatus	Chowchilla	50	CO2	9/13/2022	WNV
Madera	MADR 3334	702	Cx. tarsalis	Madera	50	CO2	9/15/2022	SLEV
Madera	MADR 3334	704	Cx. tarsalis	Madera	50	CO2	9/15/2022	SLEV
Madera	MADR 3334	704	Cx. tarsalis	Madera	50	CO2	9/15/2022	WNV
Madera	MADR 581	696	Cx. tarsalis	Madera	12	CO2	9/14/2022	WNV
Madera	MADR 690	709	Cx. tarsalis	Madera	22	CO2	9/15/2022	SLEV
Madera	MADR 704	721	Cx. tarsalis	MADERA	50	CO2	9/16/2022	WNV
Madera	MADR 706	717	Cx. tarsalis	Madera	47	CO2	9/16/2022	WNV
Merced	MERC 666518	373	Cx. pipiens	Atwater	50	CO2	9/20/2022	WNV
Riverside	COAV 121	5198	Cx. tarsalis	Mecca	50	CO2	9/20/2022	SLEV

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Riverside	COAV 54	5037	Cx. tarsalis	North Shore	46	CO2	9/20/2022	SLEV
Riverside	COAV 55	5265	Cx. tarsalis	Mecca	50	CO2	9/20/2022	SLEV
Riverside	COAV 56	5366	Cx. tarsalis	North Shore	50	CO2	9/22/2022	WNV
Riverside	COAV 58	5320	Cx. tarsalis	North Shore	50	CO2	9/22/2022	SLEV
Riverside	COAV 753	5343	Cx. tarsalis	Mecca	37	BGSENT	9/22/2022	SLEV
Riverside	NWST 196	181	Cx. quinquefasciatus	Riverside	50	GRVD	8/17/2022	WNV
Riverside	NWST 199	152	Cx. quinquefasciatus	Riverside	50	BGSENT	7/28/2022	WNV
Riverside	NWST 202	189	Cx. quinquefasciatus	Corona	25	GRVD	8/23/2022	WNV
Riverside	NWST 21	174	Cx. quinquefasciatus	Riverside	12	GRVD	8/12/2022	WNV
Riverside	NWST 254	156	Cx. quinquefasciatus	Riverside	50	GRVD	8/3/2022	WNV
Riverside	NWST 305	157	Cx. quinquefasciatus	Riverside	50	BGSENT	8/3/2022	WNV
Riverside	NWST 305	188	Cx. quinquefasciatus	Riverside	40	GRVD	8/23/2022	WNV
Riverside	NWST 41	186	Cx. quinquefasciatus	Riverside	47	BGSENT	8/18/2022	WNV
Riverside	NWST 69	187	Cx. quinquefasciatus	Riverside	41	GRVD	8/23/2022	WNV
Riverside	NWST 9226	183	Cx. quinquefasciatus	Woodcrest	19	GRVD	8/18/2022	WNV
Sacramento	SAYO 245002	4743	Cx. tarsalis	Wilton	43	CO2	9/16/2022	WNV
Sacramento	SAYO 245026	4689	Cx. tarsalis	Wilton	50	CO2	9/16/2022	WNV
Sacramento	SAYO 254021	4653	Cx. tarsalis	Galt	42	CO2	9/15/2022	WNV
San Bernardino	WVAL 5496	1505	Cx. quinquefasciatus	Rancho Cucamonga	7	BGSENT	9/22/2022	WNV
San Bernardino	WVAL 6015	1488	Cx. quinquefasciatus	Ontario	6	GRVD	9/21/2022	WNV
San Joaquin	SJCM 8050	2016	Cx. pipiens	Linden	7	CO2	9/22/2022	WNV
San Joaquin	SJCM 8205	2035	Cx. pipiens	Farmington	33	CO2	9/22/2022	WNV
San Joaquin	SJCM 8253	2022	Cx. tarsalis	Linden	40	CO2	9/22/2022	WNV
San Joaquin	SJCM 8253	2023	Cx. pipiens	Linden	20	CO2	9/22/2022	WNV
Santa Clara	STCL 31721	3409	Cx. pipiens	Sunnyvale	5	GRVD	9/14/2022	WNV
Santa Clara	STCL 31726	3427	Cx. pipiens	Sunnyvale	5	GRVD	9/15/2022	WNV
Stanislaus	TRLK 1107	866	Cx. pipiens	Denair	28	CO2	9/21/2022	WNV
Stanislaus	TRLK 1209	879	Cx. pipiens	Ceres	50	CO2	9/21/2022	WNV
Stanislaus	TRLK 1308	858	Cx. pipiens	Turlock	50	CO2	9/21/2022	WNV
Stanislaus	TRLK 526	864	Cx. tarsalis	Denair	18	CO2	9/21/2022	WNV
Tulare	DLTA 63173	3649	Cx. quinquefasciatus	Kingsburg	13	CO2	9/20/2022	WNV
Tulare	DLTA 653232	3430	Cx. quinquefasciatus	Yettum	50	CO2	9/13/2022	WNV
Tulare	DLTA 741443	3677	Cx. quinquefasciatus	Monson	50	CO2	9/21/2022	WNV
Tulare	DLTA 741443	3682	Cx. quinquefasciatus	Monson	50	CO2	9/21/2022	WNV
Tulare	DLTA 741443	3684	Cx. tarsalis	Monson	50	CO2	9/21/2022	WNV
Tulare	DLTA 741541	3691	Cx. quinquefasciatus	Monson	50	CO2	9/21/2022	WNV
Tulare	DLTA 741541	3696	Cx. quinquefasciatus	Monson	50	CO2	9/21/2022	WNV
Tulare	DLTA 741541	3700	Cx. quinquefasciatus	Monson	50	CO2	9/21/2022	WNV
Tulare	DLTA 8413	3509	Cx. quinquefasciatus	Visalia	50	BGSENT	9/14/2022	WNV
Tulare	DLTA 84131	3579	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3582	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3584	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3585	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3587	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3588	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3589	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3592	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 84131	3593	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 8414	3467	Cx. quinquefasciatus	Visalia	50	BGSENT	9/13/2022	WNV
Tulare	DLTA 8414	3635	Cx. quinquefasciatus	Visalia	36	BGSENT	9/20/2022	WNV
Tulare	DLTA 841423	3525	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841423	3528	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841423	3533	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841423	3540	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841621	3544	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841621	3545	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841621	3546	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3548	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3549	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3550	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3551	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3552	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3554	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3555	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3556	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3558	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3559	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3560	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3562	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV

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Tulare	DLTA 841632	3563	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3564	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3565	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3566	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3567	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3568	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3569	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3570	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3571	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3572	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3573	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3574	Cx. quinquefasciatus	Visalia	49	CO2	9/14/2022	WNV
Tulare	DLTA 841632	3575	Cx. tarsalis	Visalia	18	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3494	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3495	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3496	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3497	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3498	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3499	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3500	Cx. quinquefasciatus	Visalia	50	CO2	9/14/2022	WNV
Tulare	DLTA 841642	3501	Cx. quinquefasciatus	Visalia	39	CO2	9/14/2022	WNV
Tulare	DLTA 84221	3488	Cx. quinquefasciatus	Visalia	50	BGSENT	9/13/2022	WNV
Tulare	DLTA 8425	3603	Cx. quinquefasciatus	Visalia	38	BGSENT	9/15/2022	WNV
Tulare	DLTA 8425	3618	Cx. quinquefasciatus	Visalia	18	BGSENT	9/16/2022	WNV
Tulare	DLTA 8426	3435	Cx. quinquefasciatus	Visalia	20	BGSENT	9/13/2022	WNV
Tulare	DLTA 8426	3615	Cx. quinquefasciatus	Visalia	29	BGSENT	9/16/2022	WNV
Tulare	DLTA 8507	3518	Cx. quinquefasciatus	Visalia	27	BGSENT	9/14/2022	WNV
Tulare	DLTA 8520	3490	Cx. quinquefasciatus	Visalia	22	BGSENT	9/14/2022	WNV
Tulare	DLTA 8520	3729	Cx. quinquefasciatus	Visalia	37	BGSENT	9/21/2022	WNV
Tulare	DLTA 94121	3622	Cx. quinquefasciatus	Visalia	28	BGSENT	9/16/2022	WNV
Tulare	DLTA 950924	3514	Cx. tarsalis	Visalia	28	CO2	9/14/2022	WNV

### Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01	Band 02
Colusa	CLSA 000000	Colusa	9/13/2022	WNV	1042	1047
Contra Costa	CNTR 008152	Knightsen	9/23/2022	WNV	1057	1058
Los Angeles	LACW 001009	Los Angeles	9/13/2022	WNV	1713	1715
Los Angeles	LACW 001026	Los Angeles	9/14/2022	WNV	1736	1737

## California Arbovirus Surveillance Bulletin #25

Week 38 Friday, September 23, 2022

### 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).

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#### **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.

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#### **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.

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#### **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.

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*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)*