

California Arbovirus Surveillance Bulletin # 24

Week 31 Friday, August 1st, 2008

Weekly and Year-To-Date Summaries

WEEKLY COMMENTS



Humans

Seventeen new human cases of West Nile virus (WNV) illness were reported this week from Los Angeles (9), Orange (7) and Stanislaus (1) counties. In 2008, 29 human cases have been reported in the following 7 counties: Fresno (1), Los Angeles (12), Orange (9), San Diego (1), San Joaquin (1), Stanislaus (4), and Tulare (1). Twenty-one (72%) of the individuals developed neuroinvasive symptoms. The median age of the 29 individuals is 58 years (range: 4-80 years), and 20 (69%) are male. No cases have resulted in fatalities. In addition, 8 asymptomatic blood donors have been identified in Los Angeles (3), Orange (3), San Bernardino (1), and Stanislaus (1) counties.

Horses

No new equine cases were reported this week. In 2008, four WNV cases have been detected in horses from Fresno (1), Riverside (2), and San Diego (1) counties.

Dead Birds & Tree Squirrels

Two hundred and fifty-one new West Nile virus (WNV) positive dead birds were reported this week from the following counties: Alameda (1), Butte (1), Contra Costa (13), El Dorado (1), Fresno (2), Los Angeles (20), Nevada (1), Orange (138), Riverside (3), Sacramento (10), San Bernardino (12), San Diego (32), San Joaquin (11), Santa Clara (1), Stanislaus (1), Tulare (3), and Yolo (1). **This is the first indication of WNV activity in Alameda County this year.** In 2008, 808 WNV positive dead birds have been detected in 27 counties.

Two new WNV positive tree squirrels were reported this week from Contra Costa (1) and San Bernardino (1) counties. In 2008, five WNV tree squirrels have been detected from Contra Costa (3) and San Bernardino (2) counties.

Mosquito Pools

One hundred and forty-two new positive mosquito pools were reported this week from the following counties: Butte (2), Contra Costa (3), Fresno (5), Glenn (1), Los Angeles (50), Lake (1), Orange (4), Riverside (6), Sacramento (30), San Bernardino (24), San Diego (2), San Joaquin (7), Stanislaus (3), Sutter (1), Tulare (2), and Yolo (1). **This is the first indication of WNV activity in Lake County this year.** In 2008, 604 WNV positive mosquito pools have been detected in 22 counties.

Sentinel Chickens

Eight new seroconversions were reported this week from Los Angeles (1), Riverside (3), San Bernardino (3), and Tulare (1) counties. In 2008, 31 WNV seroconversions have been detected in chickens from six counties.

Website Information: For updated information on WNV in California, please visit the California WNV website, www.westnile.ca.gov, or the California Vectorborne Disease Surveillance System website, www.calsurv.org. For national information on WNV and other arboviruses, please visit the CDC website, www.cdc.gov, and the USGS website, www.westnilemaps.usgs.gov.

2007 & 2008 YTD West Nile Virus Comparisons		
	2007	2008
Total # Dead Bird Reports	18,893	19,727
# Positive Counties	42	30
# Human Cases/ # Tested	64 / 620	29 / 497
# Horse Cases/ # Tested	5 / 173	4 / 158
# Positive Dead Birds/ # Tested	505 / 3,071	808 / 3,148
# Positive Mosquito Pools/ # Tested	409 / 14,530	604 / 14,858
# Positive Chicken Sera/ # Tested	66 / 15,931	31 / 16,414
# Positive Squirrels/ # Tested	7 / 102	5 / 100

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YTD WNV Activity by Element and County, 2008

County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens	Squirrels
Alameda			1			
Amador			1			
Butte			9	2		
Contra Costa			25	9		3
El Dorado			2			
Fresno	1	1	6	14		
Glenn			2	1		
Imperial				1	2	
Kern			4	3		
Lake				1		
Los Angeles	12		99	132	3	
Monterey			2			
Nevada			4			
Orange	9		259	64		
Placer			1	3		
Riverside		2	16	44	11	
Sacramento			49	150		
San Bernardino			36	69	6	2
San Diego	1	1	153	7	8	
San Joaquin	1		51	66		
San Mateo			1			
Santa Clara			8	1		
Shasta			6			
Solano			4	1		
Stanislaus	4		20	13		
Sutter			2	8		
Tulare	1		42	12	1	
Ventura			3			
Yolo			2	2		
Yuba				1		
Totals	29	4	808	604	31	5

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2008 TEST SUMMARIES

Human & Horse Cases

		Number Tested	WNV		WEE		SLE		Other	
			Imported	Local	Imported	Local	Imported	Local	Imported	Local
Humans Tested*	Week	32	0	17	0	0	0	0	0	0
	YTD	497	0	29	0	0	0	0	0	0
Horses Tested	Week	29	0	0	0	0	0	0	0	0
	YTD	158	0	4	0	0	0	0	0	0

Dead Birds & Tree Squirrels

		Number Tested	WNV Positive
Dead Birds	Week	395	251
	YTD	3,148	808
Tree Squirrels	Week	9	2
	YTD	100	5

Sentinel Chickens & Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive
Chicken Sera	Week	819	8	0	0
	YTD	16,414	31	0	0
Mosquito Pools: RT-PCR	Week	1,198	108	0	0
	YTD	13,512	471	0	0
Mosquito Pools: RAMP	Week	246	34	N/A	N/A
	YTD	1,346	133	N/A	N/A

POSITIVES: 7/28/08 – 8/1/08

Dead Birds and Tree Squirrels

County	City	Zip	Species	Reported	Tested	Test Method
Alameda	Pleasanton	94588	Mallard	7/21/08	7/28/08	RT-PCR
Antioch	Contra Costa	94509	Fox Squirrel	7/9/08	7/28/08	RT-PCR
Butte	Chico	95973	House Sparrow	7/22/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	Western Scrub-Jay	7/14/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	House Sparrow	7/15/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	American Crow	7/15/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	American Crow	7/16/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	House Finch	7/18/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	House Finch	7/20/08	7/28/08	RT-PCR
Contra Costa	Antioch	94531	Northern Mockingbird	7/21/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	Western Scrub-Jay	7/22/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	Western Scrub-Jay	7/22/08	7/28/08	RT-PCR
Contra Costa	Antioch	94509	Western Scrub-Jay	7/28/08	7/29/08	RAMP
Contra Costa	Concord	94520	House Sparrow	7/10/08	7/29/08	RT-PCR
Contra Costa	Discovery Bay	94505	American Robin	7/7/08	7/29/08	RT-PCR
Contra Costa	San Ramon	94583	Barn Owl	7/22/08	7/28/08	RT-PCR
Crestline	San Bernardino	92325	Western Gray Squirrel	7/14/08	7/28/08	RT-PCR
El Dorado	El Dorado Hills	95762	Western Scrub-Jay	7/17/08	7/28/08	RT-PCR
Fresno	Clovis	93619	American Robin	7/18/08	7/28/08	RT-PCR
Fresno	Fresno	93703	House Sparrow	7/11/08	7/29/08	RT-PCR
Los Angeles	Alhambra	91803	American Crow	7/22/08	7/24/08	VecTest

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Los Angeles	Carson	90746	Northern Mockingbird	7/8/08	7/29/08	RT-PCR
Los Angeles	Glendora	91741	American Crow	7/17/08	7/28/08	RT-PCR
Los Angeles	Hacienda Heights	91745	American Crow	7/16/08	7/28/08	RT-PCR
Los Angeles	Lancaster	93536	Brewer's Blackbird	7/14/08	7/29/08	RT-PCR
Los Angeles	Long Beach	90808	American Crow	7/21/08	7/28/08	RT-PCR
Los Angeles	Los Angeles	90020	American Crow	7/18/08	7/28/08	RT-PCR
Los Angeles	Los Angeles	90036	American Crow	7/24/08	7/24/08	VecTest
Los Angeles	Norwalk	90650	American Crow	7/21/08	7/28/08	RT-PCR
Los Angeles	Pico Rivera	90660	American Crow	7/17/08	7/28/08	RT-PCR
Los Angeles	Santa Fe Springs	90670	House Sparrow	7/18/08	7/28/08	RT-PCR
Los Angeles	Sierra Madre	91024	American Crow	7/24/08	7/25/08	RT-PCR
Los Angeles	Temple City	91780	American Crow	7/21/08	7/22/08	VecTest
Los Angeles	West Covina	91790	American Crow	7/25/08	7/25/08	RT-PCR
Los Angeles	Whittier	90604	American Crow	7/10/08	7/28/08	RT-PCR
Los Angeles	Whittier	90605	American Crow	7/14/08	7/28/08	RT-PCR
Los Angeles	Whittier	90603	House Sparrow	7/18/08	7/28/08	RT-PCR
Los Angeles	Woodland Hills	91367	House Sparrow	7/18/08	7/28/08	RT-PCR
Los Angeles	Woodland Hills	91367	American Crow	7/23/08	7/24/08	VecTest
Los Angeles	Woodland Hills	91367	American Crow	7/28/08	7/28/08	VecTest
Nevada	Nevada City	95959	Red-shouldered Hawk	7/14/08	7/29/08	RT-PCR
Orange	Anaheim	92802	House Finch	7/16/08	7/16/08	RT-PCR
Orange	Anaheim	92806	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/17/08	7/17/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Anaheim	92850	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Anaheim	92806	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Anaheim	92806	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Anaheim	92806	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Anaheim	92806	Red-tailed Hawk	7/10/08	7/10/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Anaheim	92805	American Crow	7/30/08	7/21/08	RT-PCR
Orange	Anaheim	92807	American Crow	7/22/08	7/22/08	RT-PCR
Orange	Anaheim	92801	House Finch	6/10/08	7/10/08	RT-PCR
Orange	Anaheim	92804	American Crow	7/11/08	7/11/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/11/08	7/11/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Anaheim	92806	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Anaheim	92804	House Finch	7/14/08	7/14/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Anaheim	92802	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Anaheim	92804	American Crow	7/14/08	7/14/08	RT-PCR

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Orange	Buena Park	90620	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Buena Park	90621	American Crow	7/30/08	7/21/08	RT-PCR
Orange	Cypress	90630	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Cypress	90630	American Crow	7/17/08	7/17/08	RT-PCR
Orange	Cypress	90630	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Cypress	90630	House Finch	7/21/08	7/21/08	RT-PCR
Orange	Cypress	90630	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	7/21/08	7/22/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	7/22/08	7/22/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Fountain Valley	92708	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Fullerton	92831	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Fullerton	92833	House Finch	7/17/08	7/17/08	RT-PCR
Orange	Fullerton	92835	House Finch	7/18/08	7/18/08	RT-PCR
Orange	Fullerton	92835	House Sparrow	7/7/08	7/7/08	RT-PCR
Orange	Fullerton	92831	American Crow	7/30/08	7/7/08	RT-PCR
Orange	Fullerton	92835	House Finch	7/23/08	7/23/08	RT-PCR
Orange	Fullerton	92835	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Fullerton	92831	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Fullerton	92835	House Finch	7/10/08	7/10/08	RT-PCR
Orange	Fullerton	92833	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Fullerton	92831	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Garden Grove	92841	House Finch	7/17/08	7/17/08	RT-PCR
Orange	Garden Grove	92844	House Finch	7/18/08	7/18/08	RT-PCR
Orange	Garden Grove	92841	House Finch	7/10/08	7/10/08	RT-PCR
Orange	Garden Grove	92841	House Finch	7/10/08	7/10/08	RT-PCR
Orange	Garden Grove	92841	House Finch	7/10/08	7/10/08	RT-PCR
Orange	Garden Grove	92843	House Finch	7/22/08	7/22/08	RT-PCR
Orange	Garden Grove	92843	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Garden Grove	92845	Brewer's Blackbird	7/14/08	7/14/08	RT-PCR
Orange	Garden Grove	92845	American Crow	7/30/08	7/14/08	RT-PCR
Orange	Garden Grove	92843	American Crow	4/3/08	4/3/08	RT-PCR
Orange	Huntington Beach	92647	American Crow	7/17/08	7/17/08	RT-PCR
Orange	Huntington Beach	92649	Unknown	7/18/08	7/18/08	RT-PCR
Orange	Huntington Beach	92646	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Huntington Beach	92648	American Crow	7/24/08	7/24/08	RT-PCR
Orange	Huntington Beach	92646	American Crow	7/22/08	7/23/08	RT-PCR
Orange	Huntington Beach	92647	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Irvine	92618	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Irvine	92604	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Irvine	92604	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Irvine	92604	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Irvine	92602	Northern Mockingbird	7/14/08	7/14/08	RT-PCR
Orange	La Habra	90631	American Crow	7/8/08	7/8/08	RT-PCR
Orange	La Habra	90631	American Crow	7/21/08	7/22/08	RT-PCR
Orange	La Habra	90631	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Ladera Ranch	92694	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Laguna Hills	92637	American Crow	7/22/08	7/22/08	RT-PCR

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Orange	Laguna Hills	92637	American Crow	7/24/08	7/24/08	RT-PCR
Orange	Laguna Niguel	92677	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Lake Forest	92630	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Lake Forest	92630	House Finch	7/17/08	7/17/08	RT-PCR
Orange	Lake Forest	92630	House Finch	7/17/08	7/17/08	RT-PCR
Orange	Lake Forest	92630	American Crow	7/11/08	7/11/08	RT-PCR
Orange	Lake Forest	92630	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Lake Forest	92630	American Crow	7/24/08	7/24/08	RT-PCR
Orange	Mission Viejo	92691	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Mission Viejo	92691	American Crow	7/7/08	7/8/08	RT-PCR
Orange	Orange	92867	American Crow	7/17/08	7/17/08	RT-PCR
Orange	Orange	92867	American Crow	7/17/08	7/17/08	RT-PCR
Orange	Orange	92867	House Sparrow	7/17/08	7/17/08	RT-PCR
Orange	Orange	92866	American Crow	7/17/08	7/17/08	RT-PCR
Orange	Orange	92869	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Orange	92868	Unknown	7/9/08	7/7/08	RT-PCR
Orange	Orange	92866	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Orange	92866	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Orange	92866	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Orange	92866	House Finch	7/21/08	7/22/08	RT-PCR
Orange	Orange	92866	House Finch	7/21/08	7/22/08	RT-PCR
Orange	Orange	92866	American Crow	7/8/08	7/8/08	RT-PCR
Orange	Orange	92866	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Orange	92868	American Crow	7/22/08	7/22/08	RT-PCR
Orange	Orange	92867	House Finch	7/14/08	7/14/08	RT-PCR
Orange	Orange	92867	Unknown	7/14/08	7/14/08	RT-PCR
Orange	Orange	92869	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Placentia	92870	Black Phoebe	7/23/08	7/23/08	RT-PCR
Orange	Rossmoor	90720	American Crow	7/23/08	7/23/08	RT-PCR
Orange	San Juan Capistrano	92675	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Santa Ana	92707	American Crow	7/16/08	7/16/08	RT-PCR
Orange	Santa Ana	92705	Western Bluebird	7/17/08	7/17/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/21/08	7/21/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Santa Ana	92704	American Crow	7/22/08	7/22/08	RT-PCR
Orange	Santa Ana	92706	House Finch	7/10/08	7/10/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/30/08	7/21/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/30/08	7/21/08	RT-PCR
Orange	Santa Ana	92706	American Crow	7/10/08	7/11/08	RT-PCR
Orange	Santa Ana	92701	American Crow	7/24/08	7/24/08	RT-PCR
Orange	Stanton	90680	American Crow	7/13/08	7/14/08	RT-PCR
Orange	Tustin	92782	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Tustin	92780	House Finch	7/7/08	7/7/08	RT-PCR
Orange	Tustin	92782	American Crow	7/7/08	7/7/08	RT-PCR
Orange	Tustin	92780	American Crow	7/7/08	7/7/08	RT-PCR

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Orange	Tustin	92780	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Tustin	92780	American Crow	7/30/08	7/21/08	RT-PCR
Orange	Tustin	92780	American Crow	7/30/08	7/21/08	RT-PCR
Orange	Villa Park	92861	American Crow	7/18/08	7/18/08	RT-PCR
Orange	Westminster	92683	American Crow	7/10/08	7/10/08	RT-PCR
Orange	Westminster	92683	American Crow	7/23/08	7/23/08	RT-PCR
Orange	Westminster	92683	American Crow	7/14/08	7/14/08	RT-PCR
Orange	Yorba Linda	92886	Western Scrub-Jay	7/14/08	7/11/08	RT-PCR
Riverside	Moreno Valley	92555	American Crow	7/20/08	7/28/08	RT-PCR
Riverside	Norco	92860	House Finch	7/17/08	7/28/08	RT-PCR
Riverside	Riverside	92506	American Crow	7/21/08	7/28/08	RT-PCR
Sacramento	Citrus Heights	95621	American Robin	7/17/08	7/28/08	RT-PCR
Sacramento	Elk Grove	95624	Western Scrub-Jay	7/17/08	7/28/08	RT-PCR
Sacramento	Elk Grove	95624	American Crow	7/18/08	7/28/08	RT-PCR
Sacramento	Fair Oaks	95628	American Crow	7/17/08	7/28/08	RT-PCR
Sacramento	Sacramento	95842	Western Scrub-Jay	7/17/08	7/28/08	RT-PCR
Sacramento	Sacramento	95828	Western Scrub-Jay	7/16/08	7/28/08	RT-PCR
Sacramento	Sacramento	95831	Western Scrub-Jay	7/17/08	7/28/08	RT-PCR
Sacramento	Sacramento	95831	House Finch	7/17/08	7/28/08	RT-PCR
Sacramento	Sacramento	95834	Yellow-billed Magpie	7/18/08	7/28/08	RT-PCR
Sacramento	Sacramento	95828	Western Scrub-Jay	7/17/08	7/28/08	RT-PCR
San Bernardino	Chino	91710	American Crow	7/23/08	7/23/08	VecTest
San Bernardino	Chino	91710	American Crow	7/23/08	7/23/08	VecTest
San Bernardino	Chino	91710	American Crow	7/24/08	7/24/08	VecTest
San Bernardino	Chino	91710	American Crow	7/24/08	7/24/08	VecTest
San Bernardino	Chino Hills	91709	House Sparrow	7/16/08	7/28/08	RT-PCR
San Bernardino	Colton	92324	Sparrow	7/21/08	7/28/08	RT-PCR
San Bernardino	Ontario	91762	Merlin	7/17/08	7/28/08	RT-PCR
San Bernardino	Ontario	91762	American Crow	7/23/08	7/23/08	VecTest
San Bernardino	Ontario	91764	American Crow	7/29/08	7/29/08	VecTest
San Bernardino	Ontario	91764	American Crow	7/29/08	7/29/08	VecTest
San Bernardino	San Bernardino	92411	American Crow	7/16/08	7/28/08	RT-PCR
San Bernardino	San Bernardino	92405	American Crow	7/18/08	7/28/08	RT-PCR
San Diego	Carlsbad	92008	Cooper's Hawk	7/18/08	7/17/08	RT-PCR
San Diego	Carlsbad	92008	American Crow	7/23/08	7/23/08	RT-PCR
San Diego	El Cajon	92020	Cooper's Hawk	7/17/08	7/17/08	RT-PCR
San Diego	El Cajon	92021	American Crow	7/21/08	7/22/08	RT-PCR
San Diego	El Cajon	92020	Red-shouldered Hawk	7/22/08	7/22/08	RT-PCR
San Diego	El Cajon	92021	American Crow	7/23/08	7/23/08	RT-PCR
San Diego	Encinitas	92024	American Crow	7/21/08	7/22/08	RT-PCR
San Diego	La Mesa	91942	Common Raven	7/18/08	7/17/08	RT-PCR
San Diego	Lakeside	92040	American Crow	7/17/08	7/17/08	RT-PCR
San Diego	Lakeside	92040	American Crow	7/18/08	7/15/08	RT-PCR
San Diego	Oceanside	92058	American Crow	7/17/08	7/17/08	RT-PCR
San Diego	Oceanside	92058	American Crow	7/17/08	7/17/08	RT-PCR
San Diego	Oceanside	92054	American Crow	7/21/08	7/22/08	RT-PCR
San Diego	Oceanside	92057	American Crow	7/21/08	7/22/08	RT-PCR
San Diego	Oceanside	92058	American Crow	7/23/08	7/23/08	RT-PCR
San Diego	Oceanside	92057	American Crow	7/23/08	7/23/08	RT-PCR
San Diego	Oceanside	92057	American Crow	7/23/08	7/23/08	RT-PCR

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San Diego	Ramona	92065	Western Scrub-Jay	7/21/08	7/22/08	RT-PCR
San Diego	Ramona	92065	American Crow	7/23/08	7/23/08	RT-PCR
San Diego	San Diego	92126	American Crow	7/17/08	7/17/08	RT-PCR
San Diego	San Diego	92117	American Crow	7/17/08	7/17/08	RT-PCR
San Diego	San Diego	92129	American Crow	7/18/08	7/17/08	RT-PCR
San Diego	San Diego	92131	American Crow	7/18/08	7/17/08	RT-PCR
San Diego	San Diego	92122	Western Scrub-Jay	7/21/08	7/22/08	RT-PCR
San Diego	San Diego	92126	American Crow	7/21/08	7/22/08	RT-PCR
San Diego	San Diego	92126	American Crow	7/21/08	7/22/08	RT-PCR
San Diego	San Diego	92130	American Crow	7/22/08	7/22/08	RT-PCR
San Diego	San Diego	92131	Red-shouldered Hawk	7/22/08	7/22/08	RT-PCR
San Diego	San Diego	92117	Red-shouldered Hawk	7/22/08	7/22/08	RT-PCR
San Diego	San Diego	92131	American Crow	7/23/08	7/23/08	RT-PCR
San Diego	Vista	92084	American Crow	7/17/08	7/17/08	RT-PCR
San Diego	Vista	92084	Western Scrub-Jay	7/18/08	7/17/08	RT-PCR
San Joaquin	Lathrop	95330	Western Scrub-Jay	7/21/08	7/28/08	RT-PCR
San Joaquin	Lodi	95242	American Crow	7/25/08	7/25/08	VecTest
San Joaquin	Manteca	95337	Western Scrub-Jay	7/17/08	7/28/08	RT-PCR
San Joaquin	Manteca	95337	Barn Owl	7/17/08	7/28/08	RT-PCR
San Joaquin	Ripon	95366	Yellow-billed Magpie	7/17/08	7/28/08	RT-PCR
San Joaquin	Stockton	95207	Western Scrub-Jay	7/18/08	7/28/08	RT-PCR
San Joaquin	Stockton	95207	House Finch	7/18/08	7/28/08	RT-PCR
San Joaquin	Stockton	95207	Western Scrub-Jay	7/22/08	7/28/08	RT-PCR
San Joaquin	Stockton	95207	Western Scrub-Jay	7/22/08	7/28/08	RT-PCR
San Joaquin	Stockton	95204	Western Scrub-Jay	7/22/08	7/28/08	RT-PCR
San Joaquin	Stockton	95207	House Sparrow	7/23/08	7/28/08	RT-PCR
Santa Clara	Santa Clara	95051	American Crow	7/24/08	7/24/08	VecTest
Stanislaus	Ceres	95307	Barn Owl	7/21/08	7/28/08	RT-PCR
Tulare	Exeter	93221	Northern Mockingbird	7/23/08	7/28/08	RT-PCR
Tulare	Farmersville	93223	European Starling	7/21/08	7/28/08	RT-PCR
Tulare	Visalia	93277	Northern Mockingbird	7/13/08	7/29/08	RT-PCR
Yolo	Woodland	95776	Western Scrub-Jay	7/21/08	7/28/08	RT-PCR

Mosquito Pools

Site Code	Pool #	Species	# in Pool	Collected	Tested	City	County	Result
BUCO0072	15	Cx tarsalis	50	7/15/2008	7/31/2008	Chico	Butte	WNV
BUCO0072	19	Cx tarsalis	50	7/15/2008	7/31/2008	Chico	Butte	WNV
CNSL0207	377	Cx restuans	13	7/24/2008	7/31/2008	Sanger	Fresno	WNV
CNSL1115	177	Cx quinquefasciatus	31	7/23/2008	7/31/2008	Fresno	Fresno	WNV
CNSL1163	185	Cx quinquefasciatus	31	7/24/2008	7/31/2008	Fresno	Fresno	WNV
CNSL1164	184	Cx quinquefasciatus	36	7/24/2008	7/31/2008	Fresno	Fresno	WNV
CNSL1540	200	Cx quinquefasciatus	16	7/25/2008	7/31/2008	Fresno	Fresno	WNV
CNTR1460	262	Cx tarsalis	11	7/28/2008	7/28/2008	Antioch	Contra Costa	WNV
CNTR1602	243	Cx tarsalis	12	7/24/2008	7/24/2008	Oakley	Contra Costa	WNV
CNTR3802	263	Cx tarsalis	14	7/28/2008	7/28/2008	Antioch	Contra Costa	WNV
COAV0034	1371	Cx tarsalis	50	7/22/2008	7/31/2008	Mecca	Riverside	WNV
COAV0034	1372	Cx tarsalis	50	7/22/2008	7/31/2008	Mecca	Riverside	WNV

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COAV0034	1373	Cx tarsalis	26	7/22/2008	8/1/2008	Mecca	Riverside	WNV
COAV0050	1409	Cx tarsalis	42	7/25/2008	7/31/2008	Mecca	Riverside	WNV
COAV0131	1386	Cx tarsalis	50	7/22/2008	7/31/2008	Oasis	Riverside	WNV
COAV0540	1374	Cx tarsalis	50	7/22/2008	7/31/2008	Mecca	Riverside	WNV
DLTA1721	172	Cx quinquefasciatus	28	7/30/2008	7/31/2008	Porterville	Tulare	WNV
DLTA6423	176	Cx quinquefasciatus	30	7/30/2008	7/31/2008	Dinuba	Tulare	WNV
GLEN0821	21	Cx tarsalis	50	7/23/2008	7/30/2008	Willows	Glenn	WNV
GRLA2093	675	Cx quinquefasciatus	50	7/17/2008	7/30/2008	South Gate	Los Angeles	WNV
GRLA2115	792	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Bell	Los Angeles	WNV
GRLA2115	793	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Bell	Los Angeles	WNV
GRLA2115	794	Cx quinquefasciatus	45	7/24/2008	8/1/2008	Bell	Los Angeles	WNV
GRLA2116	791	Cx quinquefasciatus	41	7/24/2008	8/1/2008	Bell	Los Angeles	WNV
GRLA2117	798	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Compton	Los Angeles	WNV
GRLA2117	799	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Compton	Los Angeles	WNV
GRLA2218	754	Cx quinquefasciatus	24	7/22/2008	8/1/2008	Rowland Heights	Los Angeles	WNV
GRLA2223	753	Cx quinquefasciatus	34	7/22/2008	8/1/2008	Rowland Heights	Los Angeles	WNV
GRLA2225	746	Cx quinquefasciatus	27	7/22/2008	8/1/2008	Rowland Heights	Los Angeles	WNV
GRLA2364	761	Cx tarsalis	50	7/22/2008	8/1/2008	Pico Rivera	Los Angeles	WNV
GRLA2464	5557	Cx quinquefasciatus	46	7/25/2008	8/1/2008	Los Angeles	Los Angeles	WNV
GRLA2520	5550	Cx quinquefasciatus	48	7/25/2008	8/1/2008	Los Angeles	Los Angeles	WNV
GRLA2539	5484	Cx quinquefasciatus	47	7/22/2008	8/1/2008	Northridge	Los Angeles	WNV
GRLA2540	5485	Cx quinquefasciatus	50	7/22/2008	8/1/2008	Northridge	Los Angeles	WNV
GRLA2540	5486	Cx quinquefasciatus	50	7/22/2008	8/1/2008	Northridge	Los Angeles	WNV
GRLA2549	5487	Cx quinquefasciatus	50	7/22/2008	8/1/2008	Granada Hills	Los Angeles	WNV
GRLA2552	5560	Cx stigmatosoma	16	7/25/2008	8/1/2008	Glendale	Los Angeles	WNV
GRLA2635	5521	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5538	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5539	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2635	5548	Cx quinquefasciatus	43	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5519	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2636	5520	Cx quinquefasciatus	15	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2637	5515	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2637	5546	Cx quinquefasciatus	41	7/24/2008	8/1/2008	Van Nuys	Los Angeles	WNV
GRLA2648	5501	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2648	5503	Cx quinquefasciatus	36	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2648	5541	Cx quinquefasciatus	30	7/24/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2649	5504	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2650	5505	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2650	5507	Cx quinquefasciatus	43	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2650	5508	Cx stigmatosoma	34	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2650	5542	Cx quinquefasciatus	27	7/24/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2651	5509	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2652	5511	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2655	5513	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2655	5514	Cx quinquefasciatus	50	7/23/2008	8/1/2008	Encino	Los Angeles	WNV
GRLA2800	783	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Long Beach	Los Angeles	WNV
GRLA2889	701	Cx quinquefasciatus	50	7/17/2008	7/30/2008	Lakewood	Los Angeles	WNV
GRLA2952	810	Cx quinquefasciatus	22	7/24/2008	8/1/2008	LA County	Los Angeles	WNV
GRLA2953	808	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Santa Fe Springs	Los Angeles	WNV
GRLA2953	809	Cx quinquefasciatus	28	7/24/2008	8/1/2008	Santa Fe Springs	Los Angeles	WNV

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GRLA2954	801	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Cerritos	Los Angeles	WNV
GRLA2955	806	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Cerritos	Los Angeles	WNV
GRLA2955	807	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Cerritos	Los Angeles	WNV
GRLA2957	803	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Hawaiian Gardens	Los Angeles	WNV
GRLA2957	804	Cx quinquefasciatus	50	7/24/2008	8/1/2008	Hawaiian Gardens	Los Angeles	WNV
LACW1010	128	Cx quinquefasciatus	34	7/22/2008	7/31/2008	Los Angeles	Los Angeles	WNV
LAKE1400	115	Cx stigmatosoma	44	7/29/2008	8/1/2008	Lakeport	Lake	WNV
LONG0903	234	Cx quinquefasciatus	43	7/29/2008	7/31/2008	Long Beach	Los Angeles	WNV
ORCO3	792	Cx stigmatosoma	29	7/25/2008	7/25/2008	Garden Grove	Orange	WNV
ORCO3	793	Cx quinquefasciatus	50	7/25/2008	7/25/2008	Garden Grove	Orange	WNV
ORCO3	794	Cx quinquefasciatus	50	7/25/2008	7/25/2008	Garden Grove	Orange	WNV
ORCO3	795	Cx quinquefasciatus	40	7/25/2008	7/25/2008	Garden Grove	Orange	WNV
SAND0128	74	Cx erythrothorax	50	7/23/2008	8/1/2008	San Diego	San Diego	WNV
SAND0152	73	Cx quinquefasciatus	31	7/22/2008	8/1/2008	San Diego	San Diego	WNV
SAYO2107	4586	Cx pipiens	43	7/29/2008	7/29/2008	Citrus Heights	Sacramento	WNV
SAYO2207	4310	Cx tarsalis	50	7/24/2008	7/24/2008	Wilton	Sacramento	WNV
SAYO2211	4286	Cx tarsalis	50	7/24/2008	7/24/2008	Sacramento	Sacramento	WNV
SAYO2211	4289	Cx pipiens	50	7/24/2008	7/24/2008	Sacramento	Sacramento	WNV
SAYO4101	4579	Cx pipiens	36	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4101	4583	Cx tarsalis	34	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4101	4584	Cx pipiens	31	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4120	4575	Cx pipiens	3	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4120	4576	Cx tarsalis	17	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4121	4238	Cx tarsalis	24	7/24/2008	7/24/2008	Antelope	Sacramento	WNV
SAYO4123	4218	Cx pipiens	34	7/24/2008	7/24/2008	Fair Oaks	Sacramento	WNV
SAYO4126	4596	Cx pipiens	19	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4126	4598	Cx tarsalis	50	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4126	4602	Cx pipiens	39	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4126	4603	Cx tarsalis	18	7/29/2008	7/29/2008	Antelope	Sacramento	WNV
SAYO4128	4490	Cx pipiens	30	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4131	4558	Cx pipiens	11	7/29/2008	7/29/2008	Orangevale	Sacramento	WNV
SAYO4173	4228	Cx pipiens	23	7/24/2008	7/24/2008	North Highlands	Sacramento	WNV
SAYO4203	4473	Cx pipiens	6	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4214	4465	Cx pipiens	38	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4250	4551	Cx tarsalis	38	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4253	4486	Cx tarsalis	23	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4254	4334	Cx tarsalis	50	7/24/2008	7/24/2008	Elk Grove	Sacramento	WNV
SAYO4270	4434	Cx pipiens	27	7/25/2008	7/25/2008	Elk Grove	Sacramento	WNV
SAYO4275	4430	Cx tarsalis	50	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4275	4431	Cx tarsalis	45	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4275	4432	Cx pipiens	44	7/25/2008	7/25/2008	Sacramento	Sacramento	WNV
SAYO4343	4541	Cx tarsalis	50	7/25/2008	7/25/2008	Courtland	Sacramento	WNV
SAYO6000	4711	Cx tarsalis	47	7/29/2008	7/29/2008	Dunnigan	Yolo	WNV
SAYO7000	4295	Cx tarsalis	35	7/24/2008	7/24/2008	Elk Grove	Sacramento	WNV
SAYO7004	4258	Cx tarsalis	21	7/24/2008	7/24/2008	Elverta	Sacramento	WNV
SJCM8005	960	Cx tarsalis	46	7/31/2008	7/31/2008	Stockton	San Joaquin	WNV
SJCM8037	973	Cx tarsalis	16	7/31/2008	7/31/2008	Lathrop	San Joaquin	WNV
SJCM8056	967	Cx tarsalis	33	7/31/2008	7/31/2008	Manteca	San Joaquin	WNV
SJCM8083	982	Cx pipiens	50	7/31/2008	7/31/2008	Escalon	San Joaquin	WNV
SJCM8083	984	Cx pipiens	50	7/31/2008	7/31/2008	Escalon	San Joaquin	WNV

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SJCM8145	956	Cx pipiens	16	7/28/2008	7/28/2008	Stockton	San Joaquin	WNV
SJCM8146	957	Cx pipiens	11	7/30/2008	7/30/2008	Stockton	San Joaquin	WNV
SUYA0063	196	Cx tarsalis	25	7/28/2008	8/1/2008	Pennington	Sutter	WNV
TRLK0306	1024	Cx tarsalis	25	7/29/2008	7/31/2008	Grayson	Stanislaus	WNV
TRLK0432	933	Cx pipiens	50	7/29/2008	7/31/2008	Turlock	Stanislaus	WNV
TRLK0538	963	Cx pipiens	50	7/29/2008	7/31/2008	hughson	Stanislaus	WNV
WVAL1007	642	Cx quinquefasciatus	17	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL1008	646	Cx quinquefasciatus	37	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL2004	689	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2004	690	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2005	695	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2005	697	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2005	701	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2006	680	Cx tarsalis	32	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2006	681	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2006	683	Cx tarsalis	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2011	713	Cx quinquefasciatus	50	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2018	717	Cx quinquefasciatus	17	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2019	721	Cx quinquefasciatus	22	7/30/2008	7/30/2008	Chino	San Bernardino	WNV
WVAL2020	716	Cx quinquefasciatus	8	7/30/2008	7/30/2008	Fwy CA 71	San Bernardino	WNV
WVAL2021	719	Cx quinquefasciatus	12	7/30/2008	7/30/2008	Fwy CA 71	San Bernardino	WNV
WVAL5002	660	Cx quinquefasciatus	25	7/29/2008	7/29/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5005	666	Cx quinquefasciatus	18	7/29/2008	7/29/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL5008	676	Cx quinquefasciatus	12	7/29/2008	7/29/2008	Rancho Cucamonga	San Bernardino	WNV
WVAL6001	650	Cx quinquefasciatus	34	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL6005	667	Cx quinquefasciatus	28	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL6005	669	Cx quinquefasciatus	28	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL6005	671	Cx quinquefasciatus	18	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL6012	674	Cx quinquefasciatus	20	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV
WVAL6012	675	Cx quinquefasciatus	16	7/29/2008	7/29/2008	Ontario	San Bernardino	WNV

Sentinel Chickens

Agency Code	County	Nearest City	Date Bled	Virus	Band 01	Band 02
DLTA8530	Tulare	Visalia	7/28/2008	WNV	2600	
GRLA2223	Los Angeles	Rowland Heights	7/28/2008	WNV	3620	
SANB0011	San Bernardino	Rialto	7/28/2008	WNV	1786	1788
SANB0003	San Bernardino	Colton	7/28/2008	WNV	1706	
COAV0114	Riverside	Mecca	7/28/2008	WNV	2318	
COAV0035	Riverside	Mecca	7/28/2008	WNV	2363	
COAV0122	Riverside	Mecca	7/28/2008	WNV	2336	

NATIONAL COMMENTS

As of July 29, 2008, 62 human cases had been reported nationwide this year in the following 19 states: Alabama (1), Arizona (1), Arkansas (2), California (12), Colorado (2), Connecticut (1), Idaho (3), Louisiana (2), Minnesota (3), Mississippi (9), North Dakota (5), Oklahoma (3), Pennsylvania (1), South Dakota (5),

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Tennessee (1), Texas (6), Utah (3), West Virginia (1), and Wyoming (1). Of the 62 individuals, 25 (40%) had neuroinvasive illness. No cases have resulted in fatalities. At this time last year, 185 human cases had been reported nationwide.

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 or confirmation by plaque reduction neutralization test (PRNT).

*Human denominator data only includes specimens tested at VRDL and does not include additional negative specimens that are tested by local agencies only.

Horses:

Serum or brain tissue specimens from horses displaying neurological symptoms are submitted to the California Animal Health and Safety Laboratory (CAHFS) and tested by EIA and PRNT.

Dead Birds and Tree Squirrels:

All bird and tree squirrel species from all zip codes are currently being accepted for testing unless otherwise requested by a local agency. Additionally, doves, pigeons, and chickens are no longer be accepted for testing. Corvids that test positive via RAMP or VecTest are no longer confirmed. Dead birds and squirrels are necropsied at CAHFS laboratory at University of California, Davis. Oral swabs from American Crows and kidney tissue from all other dead birds and squirrels are forwarded to the UC Davis Center for Vectorborne Diseases (CVEC) for WNV testing using the singleplex RT-PCR Taqman assay and confirmed with a second primer set. The WNV Dead Bird Surveillance Coordinator, Erin Parker, can be reached directly at (510) 412-6254.

Sentinel Chickens:

Dried blood spot specimens from sentinel chickens are submitted to VBDS Laboratory and tested for the presence of antibodies to West Nile virus (WNV), western equine encephalomyelitis (WEE), and St. Louis encephalitis (SLE) viruses by EIA and IFA. Positive samples are confirmed by western-blot or PRNT.

Mosquito Pools:

Mosquito pools are submitted to CVEC and screened for WEE, SLE, and WNV viral RNA using a Taqman multiplex RT-PCR. CVEC will cease confirmation testing on PCR-positive pools of *Cx. tarsalis* and *Cx. quinquefasciatus* but will continue to confirm multiplex PCR-positive results for other mosquito species using singleplex RT-PCR.

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