

California Arbovirus Surveillance Bulletin # 15

Week 30 Friday, July 30, 2004

Weekly Summary

California Weekly Summary Comments:

Humans:

This week, California reported 14 new human cases of West Nile Virus (WNV) from San Bernardino (5), Los Angeles (5), Riverside (2), Fresno (1), and Imperial (1) counties. The Imperial County case was initially detected in an asymptomatic individual through screening done at a blood bank. This individual later developed symptoms consistent with West Nile fever. In addition to the 14 cases reported this week, there was one other asymptomatic individual from Kern County who tested positive at a blood bank.

A total of 54 human WNV cases have been reported in California in 2004: San Bernardino (28), Los Angeles (13), Riverside (10), Imperial (1), Fresno (1) and Orange (1). There has been one WNV-related fatality to date in California—an Orange County resident. Of the 54 cases, 25 are classified as WNV fever cases; 23 are classified as WN neuroinvasive disease, and 6 are of unknown status. The median age of all cases with sufficient data is 51 years. The median age of the WN neuroinvasive disease cases is 57 years, and the median age of WN fever cases is 40 years. Seventy-two percent of the cases are male.

Equine:

The California Department of Food & Agriculture confirmed 14 WNV equine cases from Riverside (8), San Bernardino (2), Fresno (1), Kern (1), Los Angeles (1), and Sacramento (1) counties this past week. This is the first reporting of positive equine cases for Fresno, Kern, and Los Angeles counties. Currently, the YTD stands at 44 positive horses.

Dead Birds:

The hotline received 5,325 reported dead birds last week (YTD = 43,050). The UC Davis Center for Vectorborne Diseases (CVEC) reported 104 out of 214 dead birds submitted in the past week have tested positive for WNV by RT-PCR: 93 American crows, 6 western scrub jays, 1 barn owl, 1 Brewer's blackbird, 1 Cooper's hawk, 1 house finch, and 1 yellow-billed magpie.

The positive birds were collected within the counties of Los Angeles (80), Orange (10), Sacramento (4), Riverside (2), Butte (1), Kings (1), Mendocino (1), San Diego (1), San Joaquin (1), Tehama (1), Tulare (1), and Ventura (1). **These were the first WNV positive dead bird results from the counties of Butte, Kings, Mendocino, Sacramento, San Diego, San Joaquin, Tehama, and Tulare.**

A total of 194 dead birds were tested from 14 of the 15 WNV positive counties. Thus 53.6% (104/194) of the birds tested from these counties were WNV positive. Twenty dead birds from 13 other counties tested negative.

News Flash:

CVEC reported this week that 121 dead birds have tested positive for WNV. The positive birds were collected within 13 counties: Los Angeles (79), Orange (16), Kern (5), San Diego (4), Riverside (3), Sacramento (3), Ventura (3), Fresno (2), Santa Barbara (2), Butte (1), Contra Costa (1), San Bernardino (1), and Shasta (1). These are the first WNV positive dead bird results from the counties of Contra Costa, Fresno, Santa Barbara, and Shasta.

Mosquito Pools:

CVEC reported 78 WNV positive mosquito pools from Los Angeles (28), San Bernardino (21), Orange (11), Kern (9), Imperial (7), and Riverside (2) counties. To date, a total of 341 WNV positive pools have been confirmed from these counties: Los Angeles (99), Riverside (82), San Bernardino (82), Imperial (31), Orange (32), Kern (12), Fresno (2), and Stanislaus (1). A breakdown by mosquito species: *Culex quinquefasciatus* = 186; *Cx. tarsalis* = 132; *Cx. stigmatosoma* = 16; and *Cx. erythrothorax* = 7.

Chickens:

Seventeen WNV chicken seroconversions were detected in one new flock from Los Angeles (3) and three new flocks from San Bernardino (14) counties. The current YTD total stands at 127 WNV seroconversions.

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Website Information:

For updated information on WNV, please visit the California WNV website, www.westnile.ca.gov; the CDC website, www.cdc.gov; and the USGS website, www.westnilemaps.usgs.gov. Please go to the Vector website at <http://vector.ucdavis.edu/arbo.html> for flock location and more information on WNV and other vector-borne diseases.

TESTING SUMMARIES

Humans and Equines

		Number Tested	WNV Positive		WEE Positive		SLE Positive		Other Positive	
			Imported	Local	Imported	Local	Imported	Local	Imported	Local
Individuals Tested	Week	49	0	14	0	0	0	0	0	0
	YTD	530	0	54	0	0	0	0	0	0
Suspect Equine Cases	Week	34	0	14	0	0	0	0	0	0
	YTD	258	0	44	0	0	0	0	0	0

Dead Birds

	Number Tested	WNV Positive
Week	214	104
YTD	2042	980

Sentinel Chickens and Mosquito Pools

		Number Tested	WNV Positive	WEE Positive	SLE Positive	Other Positive
Chicken sera	Week	1357*	17	0	0	0
	YTD	17,097	127	0	0	0
Mosquito pools	Week	646	78	0	0	0
	YTD	5187	341	0	0	0

*This total has been adjusted to include local agency submissions

POSITIVES

Human Positives Reported:

Virus	Date of Onset	Status	Diagnosis	County	Imported/Local	From
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	6/24/04	Probable	WN Fever	San Bernardino	Local	
WNV	7/16/04	Probable	WN Fever	Imperial	Local	
WNV	Unknown	Probable	Unknown	San Bernardino	Local	
WNV	n/a	Probable	WN Fever	San Bernardino	Local	
WNV	n/a	Probable	WN Neuroinvasive Disease	San Bernardino	Local	
WNV	7/14/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/15/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/15/04	Probable	WN Neuroinvasive Disease	Los Angeles	Local	
WNV	7/05/04	Probable	WN Fever	Los Angeles	Local	
WNV	7/17/04	Probable	WN Neuroinvasive Disease	Fresno	Local	
WNV	6/23/04	Probable	WN Fever	Riverside	Local	
WNV	6/23/04	Probable	WN Fever	Riverside	Local	
WNV	7/14/04	Probable	Unknown	Los Angeles	Local	

*Indicates fatality

Chicken Seroconversions Reported by DHS:

Virus	County	State	Acode	City	Location
**** WNV	Los Angeles	CA	SGVA0001	City of Industry	California Country Club
Bands: 3103					Probable Seroconversion Date: 12-July-04
**** WNV	Los Angeles	CA	SGVA0007	Claremont	Bernard Bio Station
Bands: 3149, 3153					Probable Seroconversion Date: 12-July-04
**** WNV	San Bernardino	CA	SANB0003	Colton	Agua Mansa Flood Channel
Bands: 2976, 2977					Probable Seroconversion Date: 28-June-04
WNV	San Bernardino	CA	SANB0003	Colton	Agua Mansa Flood Channel
Bands: 2974, 2975, 2979, 3042					Probable Seroconversion Date: 13-July-04
**** WNV	San Bernardino	CA	SANB0004	San Bernardino	Wildwood Park Flood Basin
Bands: 2985, 2988, 2990					Probable Seroconversion Date: 28-June-04
WNV	San Bernardino	CA	SNAB0004	San Bernardino	Wildwood Park Flood Basin
Bands: 2981, 2982, 2983, 2984, 2986					Probable Seroconversion Date: 13-July-04

****Indicates a new flock

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Virus Isolations From Mosquito Pools:

Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex tarsalis	15-Jul	COAV	826	Indio	Riverside	21-Jul
WNV	Culex tarsalis	15-Jul	COAV	827	Indio	Riverside	21-Jul
WNV	Culex quinquefasciatus	7-Jul	GRLA	1495	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	7-Jul	GRLA	1498	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	7-Jul	GRLA	1501	Los Angeles	Los Angeles	15-Jul
WNV	Culex stigmatosoma	7-Jul	GRLA	1502	Los Angeles	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1528	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1529	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1530	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1531	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1534	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1536	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1537	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1538	San Marino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	778	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	779	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	780	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	781	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	783	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	787	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	790	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	792	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	793	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	795	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	796	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	800	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	801	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	14-Jul	GRLA	804	Lakewood	Los Angeles	22-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1521	Encino	Los Angeles	15-Jul
WNV	Culex quinquefasciatus	12-Jul	GRLA	1527	Encino	Los Angeles	15-Jul
WNV	Culex tarsalis	13-Jul	IMPR	817	Calipatria	Imperial	21-Jul
WNV	Culex tarsalis	13-Jul	IMPR	813	Niland	Imperial	21-Jul
WNV	Culex tarsalis	13-Jul	IMPR	814	Niland	Imperial	21-Jul
WNV	Culex tarsalis	13-Jul	IMPR	815	Niland	Imperial	21-Jul
WNV	Culex tarsalis	13-Jul	IMPR	816	Westmorland	Imperial	21-Jul
WNV	Culex tarsalis	20-Jul	IMPR	244	Holtsville	Imperial	22-Jul
WNV	Culex tarsalis	20-Jul	IMPR	245	Holtsville	Imperial	22-Jul
WNV	Culex quinquefasciatus	13-Jul	KERN	175	Bakersfield	Kern	21-Jul
WNV	Culex tarsalis	14-Jul	KERN	193	Arvin	Kern	21-Jul
WNV	Culex tarsalis	14-Jul	KERN	194	Arvin	Kern	21-Jul
WNV	Culex tarsalis	14-Jul	KERN	195	Arvin	Kern	21-Jul
WNV	Culex tarsalis	14-Jul	KERN	196	Arvin	Kern	21-Jul
WNV	Culex quinquefasciatus	14-Jul	KERN	197	Arvin	Kern	21-Jul
WNV	Culex quinquefasciatus	15-Jul	KERN	214	Bakersfield	Kern	21-Jul
WNV	Culex quinquefasciatus	16-Jul	KERN	220	Bakersfield	Kern	21-Jul
WNV	Culex quinquefasciatus	16-Jul	KERN	221	Bakersfield	Kern	21-Jul

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Virus	Mosquito species	Date Collected	ACODE	Pool #	City	County	Date Received
WNV	Culex quinquefasciatus	13-Jul	ORCO	1049	Fullerton	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1101	Cypress	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1102	Cypress	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1098	Anaheim	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1093	La Habra	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1085	Brea	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1086	Brea	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1089	Cypress	Orange	20-Jul
WNV	Culex stigmatosoma	14-Jul	ORCO	1095	Anaheim	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1097	Anaheim	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	ORCO	1075	Buena Park	Orange	20-Jul
WNV	Culex quinquefasciatus	14-Jul	WVAL	210	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	15-Jul	WVAL	234	Ontario	San Bernardino	22-Jul
WNV	Culex tarsalis	19-Jul	WVAL	247	Chino	San Bernardino	22-Jul
WNV	Culex erythrothorax	19-Jul	WVAL	248	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	255	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	13-Jul	WVAL	202	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	14-Jul	WVAL	214	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	14-Jul	WVAL	217	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	14-Jul	WVAL	221	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	14-Jul	WVAL	223	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	239	Chino	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	252	Ontario	San Bernardino	22-Jul
WNV	Culex stigmatosoma	19-Jul	WVAL	253	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	245	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	14-Jul	WVAL	208	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	243	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	244	Ontario	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	13-Jul	WVAL	193	Montclair	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	15-Jul	WVAL	235	Montclair	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	240	Montclair	San Bernardino	22-Jul
WNV	Culex quinquefasciatus	19-Jul	WVAL	241	Montclair	San Bernardino	22-Jul

Dead Birds Tested Positive for WNV last week

Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Riverside	Corona	92879	6/28/2004	7/19/2004
American Crow	Los Angeles	Arleta	91331	7/7/2004	7/19/2004
Brewer's Blackbird	Los Angeles	Hacienda Heights	91745	6/30/2004	7/19/2004
Barn Owl	San Joaquin	Stockton	95215	6/30/2004	7/19/2004
American Crow	Los Angeles	Norwalk	90650	6/30/2004	7/19/2004
American Crow	Mendocino	Ukiah	95482	6/30/2004	7/19/2004
Western Scrub-Jay	Kings	Hanford	93230	7/1/2004	7/19/2004
American Crow	Los Angeles	Lakewood	90712	7/1/2004	7/19/2004
American Crow	Los Angeles	Pomona	91768	7/2/2004	7/19/2004
American Crow	Los Angeles	Pico Rivera	90660	7/6/2004	7/19/2004
Cooper's Hawk	San Diego	Carlsbad	92009	7/4/2004	7/19/2004
American Crow	Los Angeles	Rowland Heights	91748	7/6/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/7/2004	7/19/2004
American Crow	Los Angeles	Pacoima	91331	7/7/2004	7/19/2004

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Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Los Angeles	Pacoima	91331	7/7/2004	7/19/2004
American Crow	Los Angeles	Hacienda Heights	91745	7/7/2004	7/19/2004
American Crow	Los Angeles	Pico Rivera	90660	7/7/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/7/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/7/2004	7/19/2004
American Crow	Los Angeles	Arleta	91331	7/7/2004	7/19/2004
American Crow	Los Angeles	Compton	90221	7/7/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733	7/7/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733-	7/7/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733-	7/7/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733-	7/7/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/7/2004	7/19/2004
American Crow	Los Angeles	Montebello	90640	7/6/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406-	7/7/2004	7/19/2004
American Crow	Los Angeles	North Hollywood	91601	7/7/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/7/2004	7/19/2004
American Crow	Riverside	Norco	92860	7/7/2004	7/19/2004
Western Scrub Jay	Sacramento	Wilton	95693	7/7/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733	7/2/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733-	7/2/2004	7/19/2004
House Finch	Los Angeles	Hacienda Heights	91745	6/29/2004	7/19/2004
American Crow	Los Angeles	Canoga Park	91307	7/8/2004	7/19/2004
American Crow	Los Angeles	Pico Rivera	90660	7/8/2004	7/19/2004
American Crow	Los Angeles	Arleta	91331	7/8/2004	7/19/2004
American Crow	Los Angeles	North Hollywood	91607	7/9/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91411	7/8/2004	7/19/2004
American Crow	Los Angeles	Montebello	90640	7/8/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/8/2004	7/19/2004
American Crow	Los Angeles	Rowland Heights	91748	7/8/2004	7/19/2004
American Crow	Los Angeles	Long Beach	90815-	7/8/2004	7/19/2004
American Crow	Los Angeles	Long Beach	90805	7/8/2004	7/19/2004
American Crow	Los Angeles	Burbank	91506	7/8/2004	7/19/2004
American Crow	Los Angeles	Burbank	91506	7/8/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/8/2004	7/19/2004
American Crow	Orange	Fullerton	92833	6/29/2004	7/19/2004
American Crow	Orange	Anaheim	92806	6/29/2004	7/19/2004
American Crow	Orange	Fullerton	92833	6/29/2004	7/19/2004
American Crow	Orange	Brea	92821	6/29/2004	7/19/2004
American Crow	Orange	Buena Park	90620	6/29/2004	7/19/2004
American Crow	Orange	Brea	92821	6/29/2004	7/19/2004
American Crow	Orange	La Habra	90631	6/29/2004	7/19/2004
Western Scrub-Jay	Orange	Fullerton	92832	6/30/2004	7/19/2004
American Crow	Orange	Seal Beach	90740	7/2/2004	7/19/2004
American Crow	Orange	Fullerton	92833	7/2/2004	7/19/2004
American Crow	Orange	Garden Grove	92843	7/2/2004	7/19/2004
American Crow	Los Angeles	Long Beach	90815	7/8/2004	7/19/2004
American Crow	Los Angeles	South El Monte	91733	7/8/2004	7/19/2004
American Crow	Los Angeles	Pico Rivera	90660	7/8/2004	7/19/2004

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Species	County	City	Zip Code	Date Collected	Date Tested
American Crow	Los Angeles	Van Nuys	91406	7/9/2004	7/19/2004
American Crow	Los Angeles	Hacienda Heights	91745	7/9/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/9/2004	7/19/2004
American Crow	Los Angeles	Montebello	90640	7/9/2004	7/19/2004
American Crow	Los Angeles	Valley Village	91607	7/9/2004	7/19/2004
American Crow	Los Angeles	Bellflower	90706	7/8/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/9/2004	7/19/2004
American Crow	Los Angeles	Canoga Park	91307	7/9/2004	7/19/2004
Western Scrub-Jay	Butte	Durham	95938	7/9/2004	7/19/2004
American Crow	Los Angeles	Pico Rivera	90660	7/9/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/9/2004	7/19/2004
American Crow	Ventura	Newbury Park	91320	7/9/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/9/2004	7/19/2004
American Crow	Los Angeles	Northridge	91325	7/9/2004	7/19/2004
American Crow	Los Angeles	Sun Valley	91352	7/12/2004	7/19/2004
American Crow	Los Angeles	Woodland Hills	91367	7/11/2004	7/19/2004
Yellow-billed Magpie	Sacramento	Wilton	95693	7/12/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/11/2004	7/19/2004
American Crow	Los Angeles	Woodland Hills	91364	7/12/2004	7/19/2004
American Crow	Los Angeles	Arleta	91331	7/12/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/12/2004	7/19/2004
American Crow	Los Angeles	Los Angeles	90033	7/9/2004	7/19/2004
American Crow	Los Angeles	Los Angeles	90032	7/12/2004	7/19/2004
American Crow	Los Angeles	Chatsworth	91311	7/12/2004	7/19/2004
American Crow	Los Angeles	Sherman Oaks	91403	7/12/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/12/2004	7/19/2004
American Crow	Los Angeles	Sun Valley	91352	7/12/2004	7/19/2004
American Crow	Los Angeles	Chatsworth	91311	7/12/2004	7/19/2004
American Crow	Los Angeles	Encino	91436	7/13/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/13/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/13/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/13/2004	7/19/2004
American Crow	Los Angeles	North Hills	91343	7/13/2004	7/19/2004
American Crow	Los Angeles	Montebello	90640	7/8/2004	7/19/2004
American Crow	Los Angeles	Diamond Bar	91765	7/9/2004	7/19/2004
American Crow	Los Angeles	Mission Hills	91345	7/13/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/13/2004	7/19/2004
American Crow	Los Angeles	Van Nuys	91406	7/6/2004	7/19/2004
Western Scrub-Jay	Tulare	Three Rivers	93271	7/14/2004	7/19/2004
American Crow	Tehama	Red Bluff	96080	7/14/2004	7/19/2004
American Crow	Sacramento	Wilton	95693	7/9/2004	7/19/2004
Western Scrub-Jay	Sacramento	Wilton	95693	7/14/2004	7/19/2004

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National Comments:

As of July 27, 2004, West Nile Virus (WNV) activity has been detected in 36 states, Puerto Rico and New York City. Nevada reported its first WNV activity this week. At this time in 2003, 38 states had reported WNV activity. Two hundred and sixty-five WNV human cases have been reported in 17 states and New York City, with the majority of the cases being detected in Arizona, California, and Colorado. This week, Alabama, Arkansas, Illinois, Missouri, Ohio, and Pennsylvania reported their first human WNV cases in 2004. At this time in 2003, 44 WNV cases had been reported from 11 states. Six WNV-related fatalities have been reported nationwide in 2004.

Dead Birds:

Dead bird kidney tissues are tested at CVEC using the PCR Taqman assay, subsequent to carcass necropsy at the California Animal Health and Food Safety (CAHFS) Laboratories. Organ pools from PCR positive carcasses are tested using cell culture for virus isolation. The WNV Dead Bird Surveillance Coordinator, Ryan Carney, can be reached directly at (510) 412-6251.

Sentinel Chickens:

Dried blood spot specimens from sentinel chickens submitted each week to the DHS Viral and Rickettsial Disease Laboratory (VRDL) are 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. The VRDL performs additional testing (including Plaque Reduction Neutralization (PRNT) and IgM Capture – Enzyme Linked Immunosorbent Assay (MAC-ELISA)) on specimens from sentinel chickens in which antibodies are detected in new geographic areas. The VRDL also forwards selected serum to the UC Davis Center for Vectorborne Diseases (CVEC) for additional testing for WNV, WEE, and SLE antibodies as needed.

Mosquito Pools:

All mosquito pools are screened for WEE, SLE, and WNV viral RNA using a Taqman multiplex RT-PCR. All species except *Culex tarsalis* are also tested for California Encephalitis via EIA. All positive pools are confirmed by both singleplex RT-PCR as well as *in situ* EIA.

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