

Florida Mosquito-Borne Disease Summary for the Week of July 5-11, 2009

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During the period July 5-11, 2009, the following arboviral activity (St. Louis encephalitis virus [SLEV], Eastern equine encephalitis virus [EEEV], Highlands J virus [HJV], West Nile virus [WNV], California encephalitis group viruses [CEV]) was recorded in Florida:

EEEV activity: Nine EEEV-confirmed positive horses were reported from Alachua, Holmes (2), Duval, Union, Gilchrist, Osceola, Madison, and Bradford counties. There were eight seroconversions to EEEV in sentinel chickens from Walton (2), Orange (2), Putnam Sarasota, Gulf, and Nassau counties.

WNV/SLEV activity: There was one seroconversion to WNV in a sentinel chicken from Walton County.

HJV activity: There were thirteen seroconversions to HJV in sentinel chickens from Walton (6), Leon (4), and Orange (3) counties.

CEV activity: None this week.

Advisories/Alerts:

Walton, Volusia, Columbia, Madison, Suwannee, Leon, Clay, and Union counties are already under mosquito-borne illness advisories. No other counties are currently under mosquito-borne illness alert or advisory.

Veterinary Cases:

Nine horses tested positive for EEEV this week in Alachua, Holmes (2), Duval, Union, Gilchrist, Osceola, Madison, and Bradford counties, bringing the state's total to 43 for 2009.

County	Onset Date	Species	SLE	WNV	EEE	Status
Alachua	6/8/09	Equine			1	Euthanized
Holmes	6/28, 7/7	Equine			2	Euthanized
Duval	6/27/09	Equine			1	Euthanized
Union	7/4/09	Equine			1	Euthanized
Gilchrist	6/15/09	Equine			1	Euthanized
Osceola	7/4/09	Equine			1	Euthanized
Madison	7/1/09	Equine			1	Euthanized
Bradford	6/28/09	Equine			1	Euthanized

Sentinel Chickens:

There were twenty-four seroconversions to EEEV reported in sentinel chickens from eight seroconversions to EEEV in sentinel chickens from Walton (2), Orange (2), Putnam Sarasota, Gulf, and Nassau counties, thirteen to HJV in sentinel chickens from Walton (6), Leon (4), and Orange (3) counties, and one to WNV in Walton County. Seroconversion rates are calculated by week and include previously reported results.

County	Collection Date	Seroconversion Rates				By County, Week and Virus
		SLEV	WNV	EEEV	HJV	
Gulf	6/29/09			5.00		1 EEE
Nassau	6/29/09			2.78		1 EEE
Orange	6/29/09			0.92		1 EEE
Walton (South)	6/22/09			6.94	1.40	5 EEE, 1 HJ
Leon	6/22/09			4.88	7.32	2 EEE, 3 HJ

Orange	6/22/09			1.77	2.65	2 EEE, 3 HJ
Sarasota	6/22/09			1.52		1 EEE
Walton (North)	6/21/09			19.57		9 EEE
Putnam	6/19/09			6.67		1 EEE
Walton (North)	6/17/09			2.17	8.70	1 EEE, 4 HJ
Leon	6/16/09			7.50	2.50	3 EEE, 1 HJ
Walton (South)	6/15/09		1.40	2.74	4.11	1 WN, 2 EEE, 3 HJ

Dead Bird Reports:

The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, six reports representing twelve dead birds were received from five counties. Two were identified as crows and eight as raptors. None were identified as jays. Please note that FWC collects reports of birds that have died from a variety of causes, not only arboviruses. Dead birds should be reported to www.myfwc.com/bird/. See the web page for more information: <http://www.doh.state.fl.us/Environment/medicine/arboviral/index.html>