

Florida Mosquito-Borne Disease Summary for the Week of July 12-18, 2009

Elizabeth Radke, MPH, Kristina Weis, Ph.D., Danielle Stanek, D.V.M, Carina Blackmore, D.V.M, Ph.D.

During the period July 12-18, 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: There were fourteen seroconversions to EEEV in sentinel chickens from Walton (5), St. Johns (3), Putnam (2), Orange, Nassau, Leon, and Gulf counties.

WNV/SLEV activity: None this week.

HJV activity: None this week.

CEV activity: None this week.

Advisories/Alerts:

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

Sentinel Chickens:

There were fourteen seroconversions to EEEV in sentinel chickens from Walton (5), St. Johns (3), Putnam (2), Orange, Nassau, Leon, and Gulf counties. 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	
Walton (South)	7/7/09			3.03		2 EEE
Leon	7/7/09			2.70		1 EEE
Gulf	7/6/09			4.55		1 EEE
Nassau	7/6/09			2.78		1 EEE
St. Johns	7/6/09			1.74		2 EEE
Orange	7/6/09			1.03		1 EEE
St. Johns	6/29/09			1.75		1 EEE
Walton (North)	6/26/09			26.1		12 EEE
Putnam	6/26/09			7.14		2 EEE

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, seven reports representing eleven dead birds were received from six counties. One was identified as a jay and one as a raptor, none were identified as crows. 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>