



## Florida Tick-Borne Disease Surveillance August 6 – August 20, 2011

Tick-borne disease surveillance in Florida conducts surveillance for Florida acquired *E. chaffeensis* / Human Monocytic Ehrlichiosis (HME), *A. phagocytophilum* / Human Granulocytic Ehrlichiosis (HGE), Rocky Mountain Spotted Fever, and Lyme disease cases. In addition, cases of these tick-borne diseases acquired by Florida residents outside the state of Florida are identified. During the period August 6 – August 20, 2011, the following tick-borne disease activity was reported in Florida:

**Florida acquired HME:** no cases reported from August 6 – August 20.

**Non-Florida or unknown acquired HME:** no cases reported from August 6 – August 20.

**Florida acquired Rocky Mountain Spotted Fever:** no cases reported from August 6 – August 20.

**Non-Florida or unknown acquired Rocky Mountain Spotted Fever:** no cases reported from August 6 – August 20.

**Florida acquired acute Lyme disease:** no cases reported from August 6 – August 20.

**Non-Florida or unknown acquired acute Lyme disease:** 5 cases: 1 case in Lee County (onset August 2011), 1 case in Marion County (onset August 2011), 1 case in Palm Beach County (onset June 2011), and 2 cases in Pinellas County (onsets July 2011).

## Year to Date Tick-Borne Disease Summary

**Florida acquired HME:** 9 cases of *E. chaffeensis* / HME with an onset date in 2011 have been reported in individuals as being acquired in Florida. Florida counties with HME cases include: Alachua (2), Duval (1), Gilchrist (1), Leon (3), Miami-Dade (1), and Orange (1).

**Non-Florida or unknown acquired HME:** 4 additional cases of *E. chaffeensis* / HME with an onset date in 2011 have been reported in individuals as being acquired outside the state of Florida or of an unknown origin. Florida counties reporting these cases include: Alachua (1), Duval (1), Flagler (1), and Leon (1).



**Florida acquired HGE:** 1 case of *A. phagocytophilum* / HE with an onset date in 2011 has been reported in an individual as being acquired in Florida. Florida counties with HGE cases include: Alachua (1).

**Non-Florida or unknown acquired HGE:** As of August 20, 2011 there have been no reported cases of *A. phagocytophilum* / HGE with an onset date in 2011 reported in individuals as being acquired outside the state of Florida or of an unknown origin.

**Florida acquired Rocky Mountain Spotted Fever:** 3 cases of Rocky Mountain Spotted Fever with an onset date in 2011 have been reported in individuals acquired in Florida. Florida counties with Rocky Mountain Spotted Fever cases include: Hernando (1), Levy (1), and Miami-Dade (1).

**Non-Florida or unknown acquired Rocky Mountain Spotted Fever:** 1 case of Rocky Mountain Spotted Fever with an onset date in 2011 has been reported in an individual as being acquired outside the state of Florida or of an unknown origin. Florida counties reporting these cases include: Marion (1)

**Florida acquired acute Lyme disease:** 9 cases of acute Lyme disease with an onset date in 2011 have been reported in individuals acquired in Florida. Florida counties with Lyme disease cases include: Flagler (1), Hillsborough (1), Leon (2), Marion (1), Pinellas (1), Sumter (2), and Volusia (1).

**Non-Florida or unknown acquired acute Lyme disease:** 24 additional cases of acute Lyme disease with an onset date in 2011 have been reported individuals as being acquired outside the state of Florida or of an unknown origin. Florida counties reporting these cases include: Brevard (2), Broward (1), Hillsborough (2), Lee (3), Manatee (1), Marion (1), Martin (1), Orange (1), Palm Beach (3), Pasco (1), Pinellas (2), Polk (2), St. Lucie (1), Sumter (1), and Volusia (2).



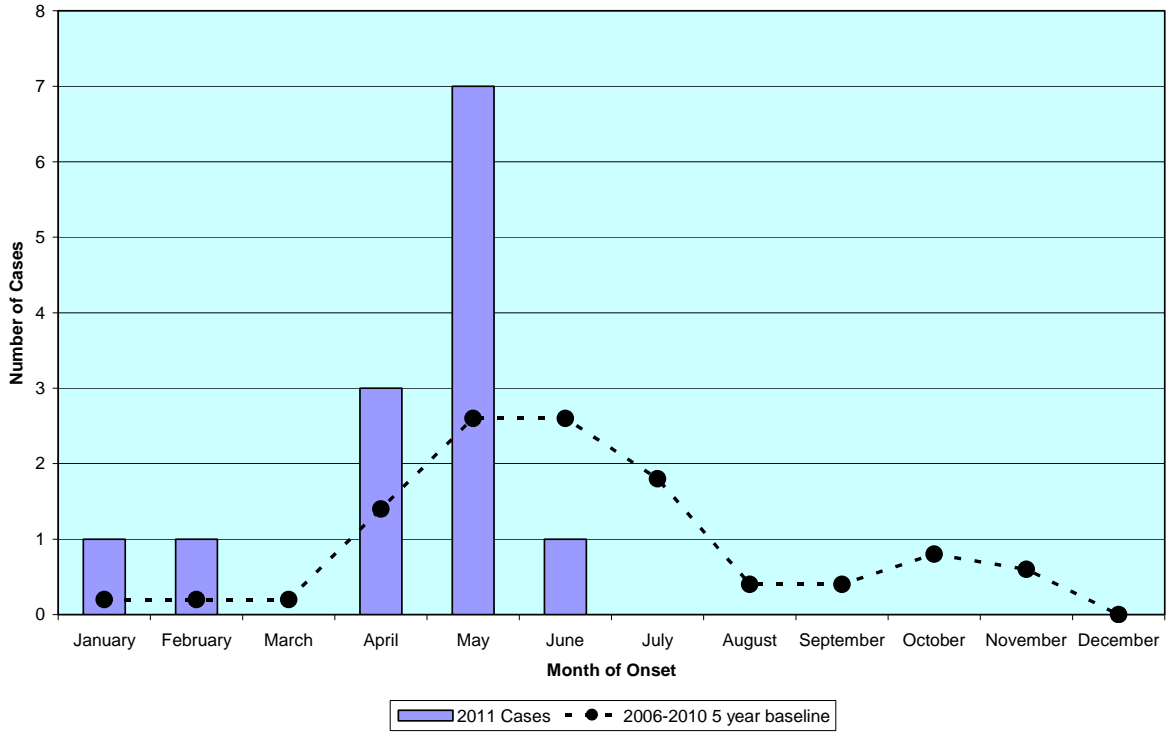
**Year to Date Tick-Borne Disease cases by County**

Disease Origin	Tick-Borne Disease Activity						Totals All
	HME		RMFS		Acute LYME		
	FL	Non-FL	FL	Non-FL	FL	Non-FL	
Alachua*	2	1 (U)	0	0	0	0	3
Brevard	0	0	0	0	0	2 (I)	2
Broward	0	0	0	0	0	1 (I)	1
Duval	1	1 (I)	0	0	0	0	2
Flagler	0	1 (I)	0	0	1	0	2
Gilchrist	1	0	0	0	0	0	1
Hernando	0	0	1	0	0	0	1
Hillsborough	0	0	0	0	1	2 (I)	3
Lee	0	0	0	0	0	3 (I)	3
Leon	3	1 (U)	0	0	2	0	6
Levy	0	0	1	0	0	0	1
Manatee	0	0	0	0	0	1 (I)	1
Marion	0	0	0	1 (U)	1	1 (I)	3
Martin	0	0	0	0	0	1 (I)	1
Miami-Dade	1	0	1	0	0	0	2
Orange	1	0	0	0	0	1 (I)	2
Palm Beach	0	0	0	0	0	3 (I)	3
Pasco	0	0	0	0	0	1 (I)	1
Pinellas	0	0	0	0	1	2 (I)	3
Polk	0	0	0	0	0	2 (I)	2
St. Lucie	0	0	0	0	0	1 (I)	1
Sumter	0	0	0	0	2	1 (I)	3
Volusia	0	0	0	0	1	2 (I)	3
<b>Totals</b>	<b>9</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>24</b>	<b>50</b>

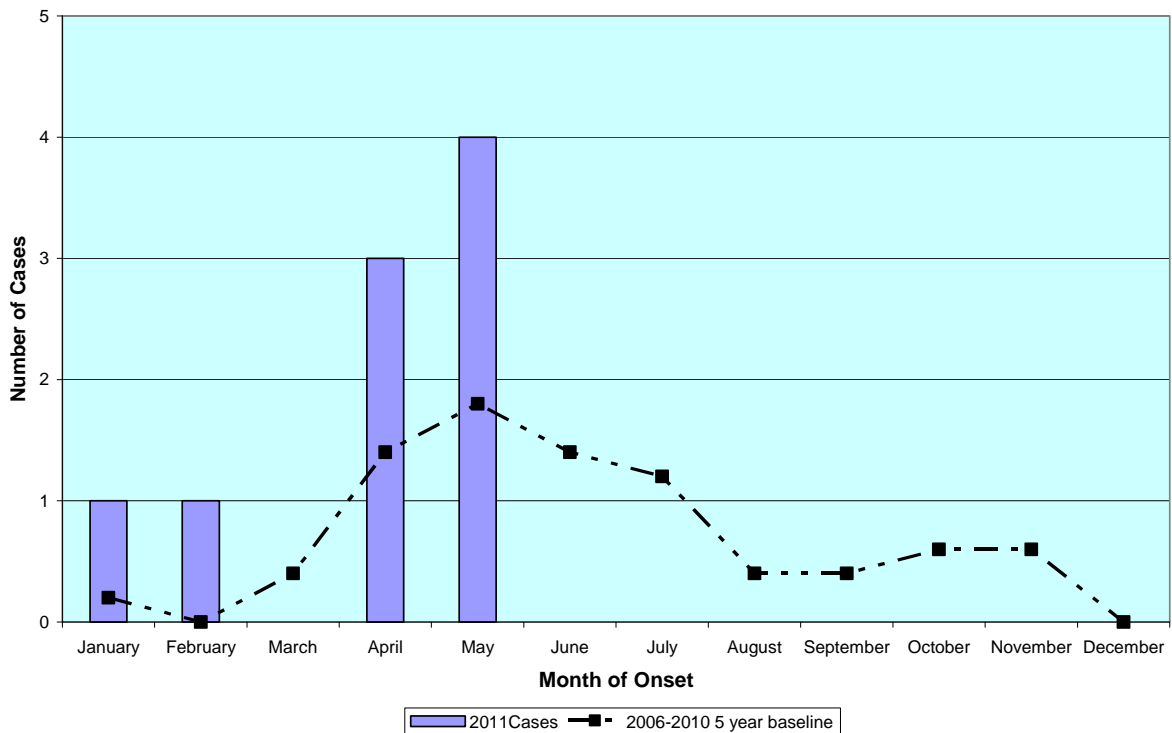
Legend: HME = human monocytic ehrlichiosis, RMFS = Rocky Mountain Spotted Fever  
 FL = Florida acquired, Non-FL=Non-Florida or unknown origin, I=imported, U=Unknown  
 \* Alachua county also reports 1 case of *A. phagocytophilum* / HGE.

**Monthly Tick-Borne Disease Summary**

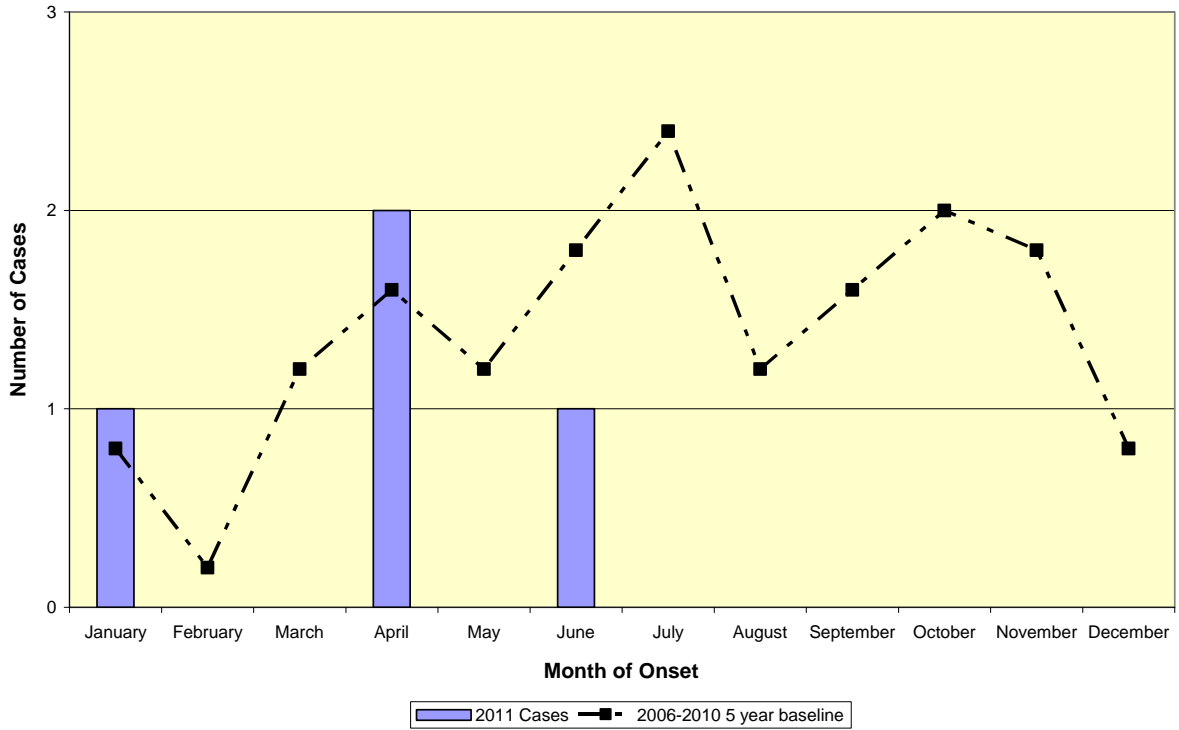
**Total *Ehrlichia chaffeensis* / HME Cases By Month**



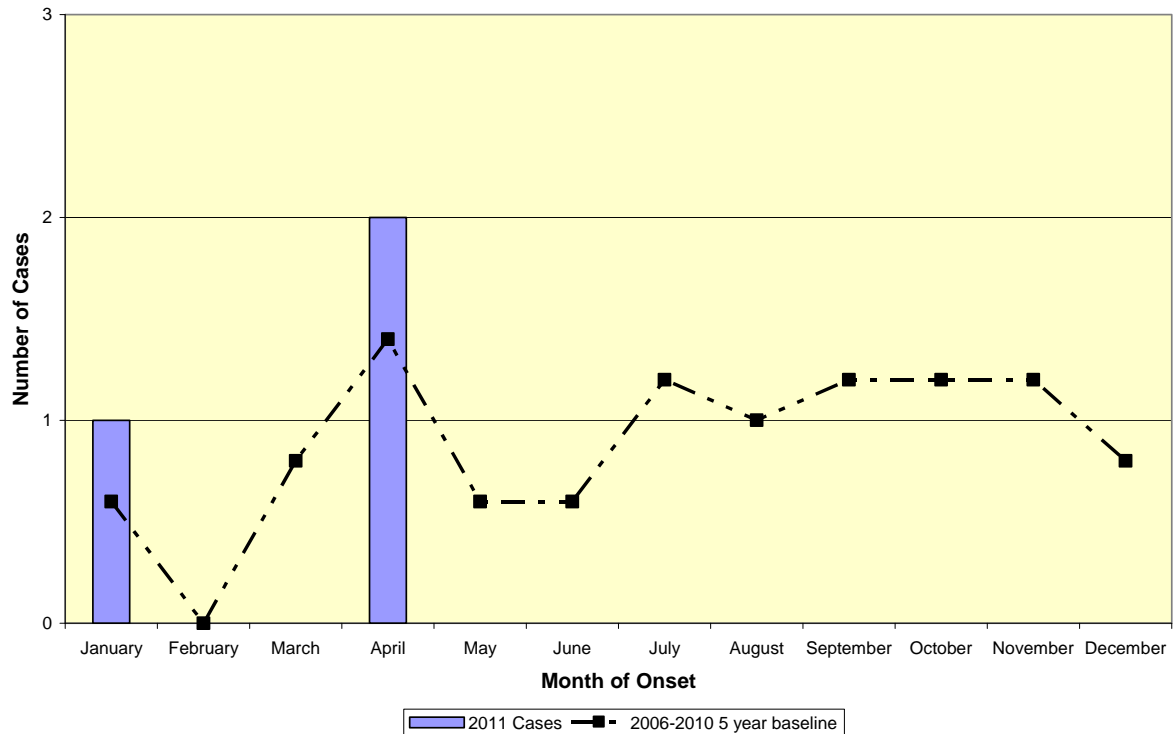
**Florida Acquired Cases of *Ehrlichia chaffeensis* / HME By Month**



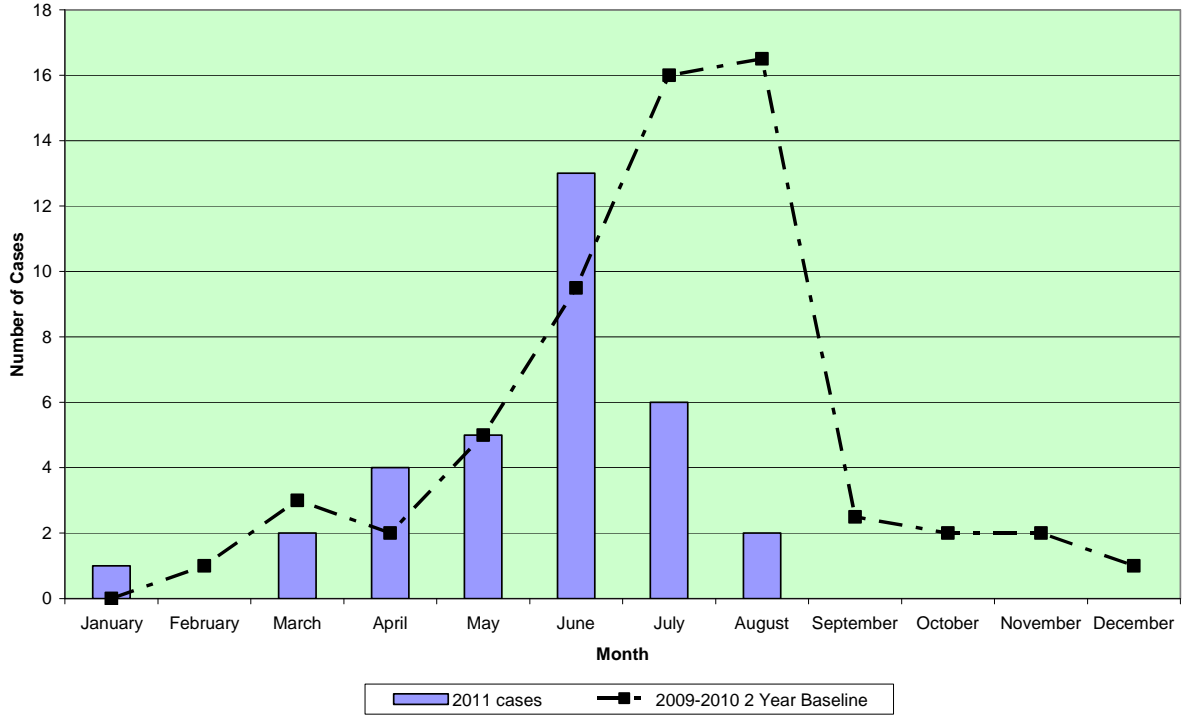
### Total Rocky Mountain Spotted Fever Cases By Month



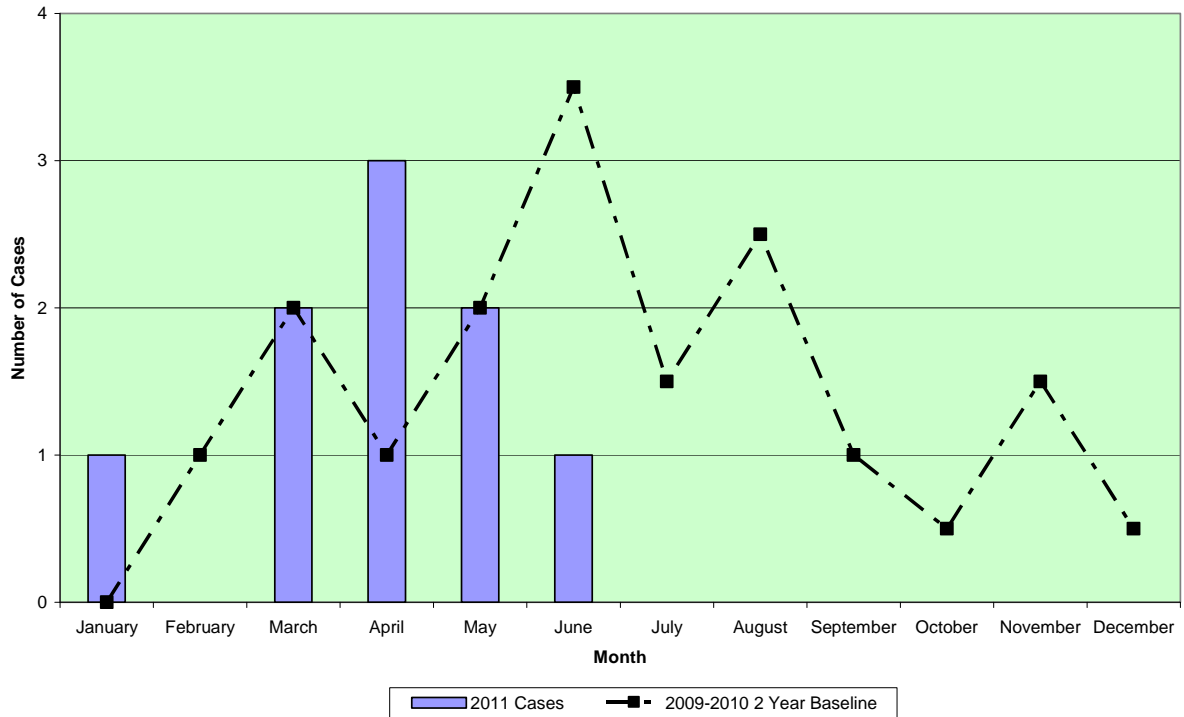
### Florida Acquired Cases of Rocky Mountain Spotted Fever By Month



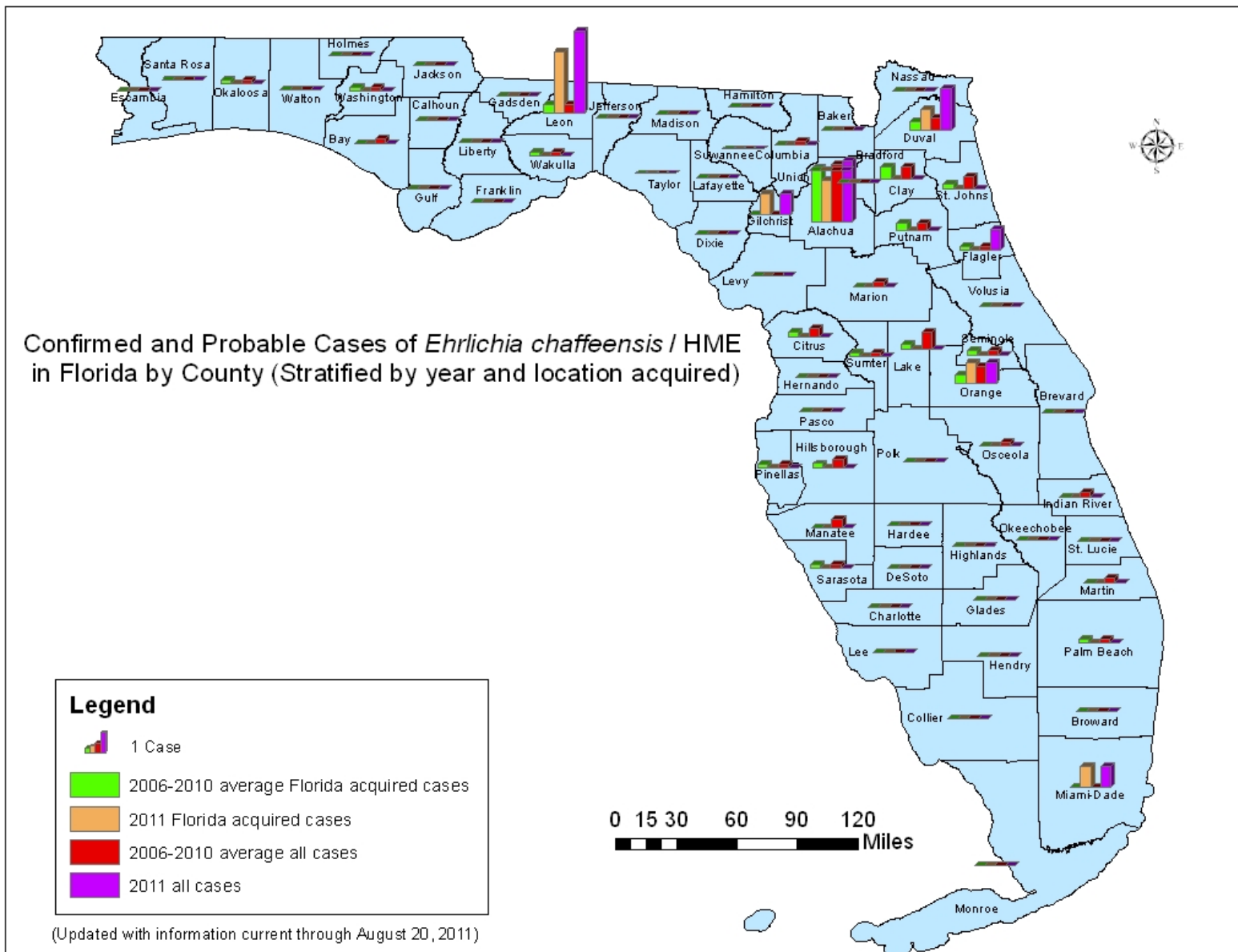
**Total Acute Lyme Disease Cases By Month**

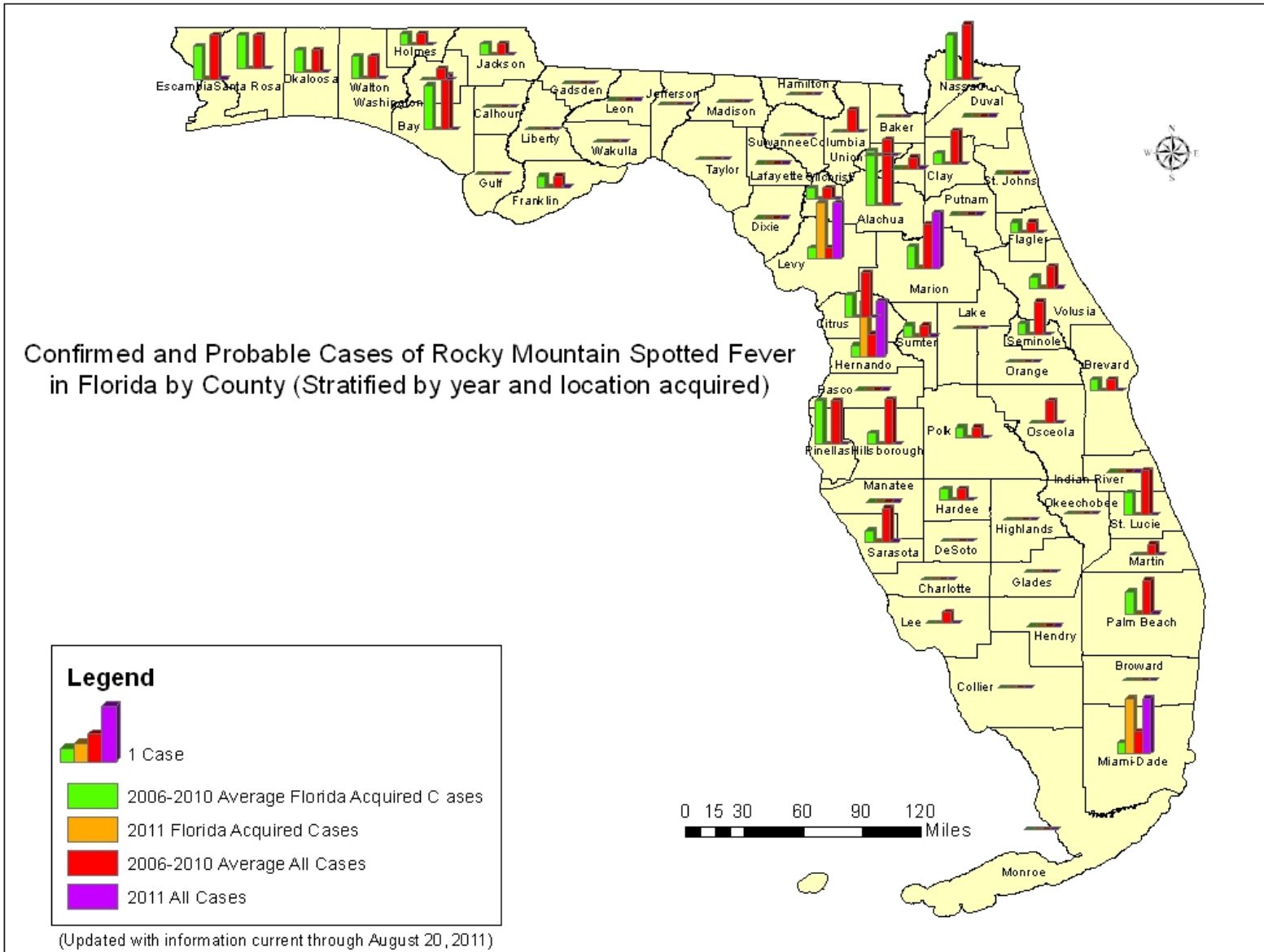


**Florida Acquired Acute Cases of Lyme Disease By Month**

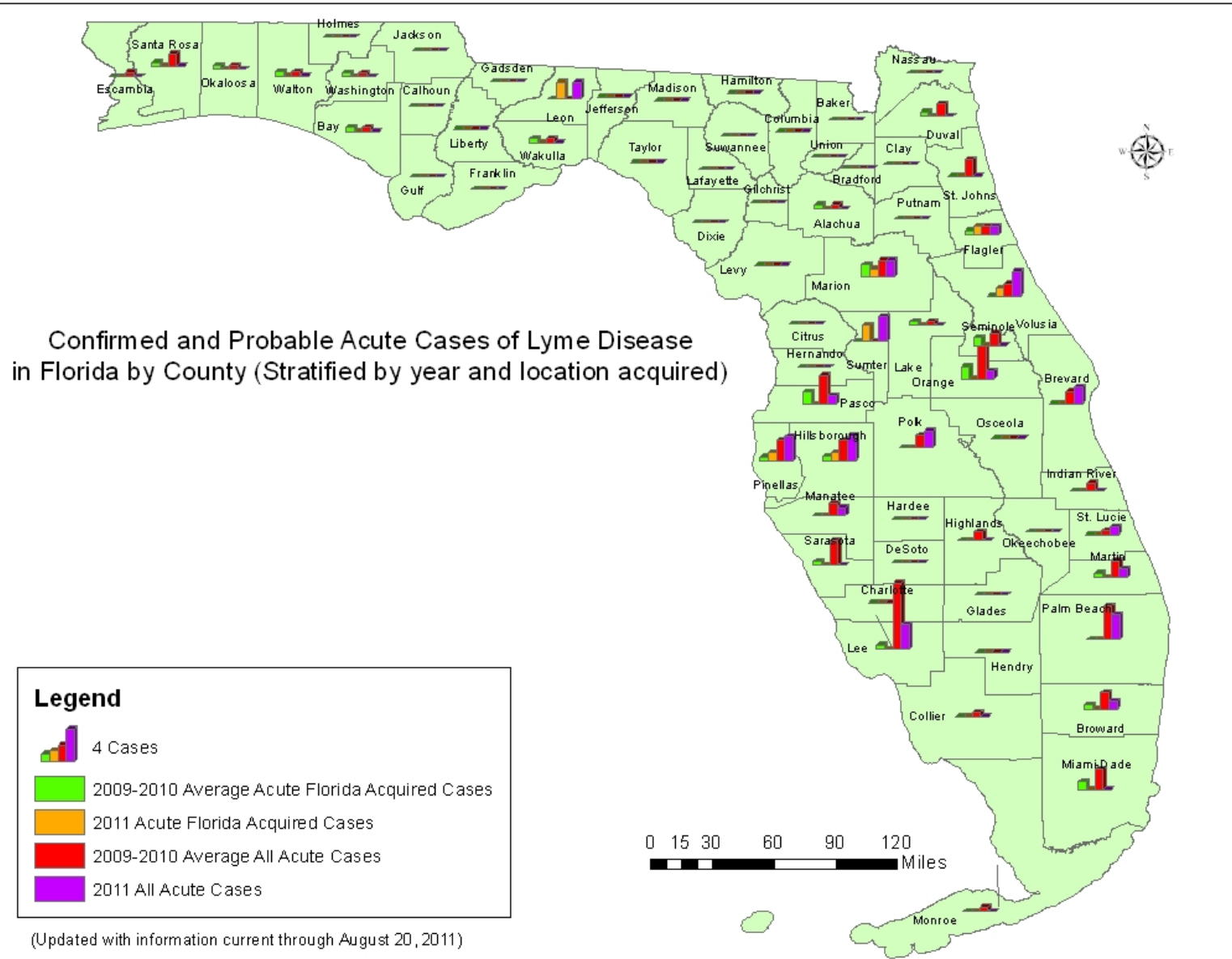


Maps of Tick-Borne Disease Cases by County











## Acknowledgements and Data Sources

Contributors: James Matthias, MPH, Danielle Stanek, DVM, and Carina Blackmore, DVM, Ph.D., DOH Bureau of Environmental Public Health Medicine.

**For more surveillance information, please see the DOH website at:**

**[http://www.doh.state.fl.us/Environment/medicine/arboviral/Tick\\_Borne\\_Diseases/Tick\\_Index.htm](http://www.doh.state.fl.us/Environment/medicine/arboviral/Tick_Borne_Diseases/Tick_Index.htm)**

Data is provided by county health departments and Department of Health Laboratories.