

2023 Mosquito-Borne Illnesses in Humans and Animals

12/12/2023

This county-by-county report shows human cases and other data currently reported to MSDH. WNV human cases and WNV-positive horses, mosquito samples and blood donors are indications that WNV is circulating in the state. All residents, regardless of county of residence, should take precautions to prevent WNV infection.

	Human Cases of Mosquito-Borne Illnesses					Horses	WNV Testing	
	WNV	Chikungunya	Zika	Other 1	Deaths	All Illnesses	Positive Mosquito Samples 2	Positive Blood Donors 3
TOTAL	37	0	0	4	0	3	27	8
Adams								
Alcorn								
Amite								
Attala								
Benton								
Bolivar	1							
Calhoun	1							
Carroll								
Chickasaw								
Choctaw								
Claiborne								
Clarke	2							
Clay								
Coahoma								
Copiah								1
Covington								
De Soto				1				2
Forrest	2							1
Franklin								
George								
Greene								
Grenada	1							
Hancock								
Harrison				2			2	
Hinds	6						1	2
Holmes								
Humphreys	1							
Issaquena								
Itawamba								
Jackson	2					1	1	
Jasper								
Jefferson								
Jefferson Davis								
Jones								
Kemper								
Lafayette								
Lamar	1							
Lauderdale								
Lawrence								
Leake								
Lee								
Leflore	1							
Lincoln	2							1
Lowndes								
Madison	4						12	
Marion								
Marshall								
Monroe						1		
Montgomery								
Neshoba								
Newton								
Noxubee								
Oktibbeha								
Panola	3							
Pearl River								
Perry								
Pike	1							
Pontotoc	1							
Prentiss	2							
Quitman								
Rankin	4			1		1	3	
Scott								
Sharkey								
Simpson								
Smith								
Stone								
Sunflower	2						1	
Tallahatchie								1
Tate								
Tippah								
Tishomingo								
Tunica								
Union								
Walthall								
Warren								
Washington							7	
Wayne								
Webster								
Wilkinson								
Winston								
Yalobusha								
Yazoo								
Unspecified County								

Human case count represents only those confirmed by laboratory testing.

¹ Other mosquito-borne illnesses include La Crosse encephalitis, St. Louis encephalitis, Eastern Equine encephalitis, Malaria, and Dengue. Malaria and Dengue cases are travel related, unless otherwise noted. Humans as well as horses can be infected with mosquito-borne illnesses, and infected horses indicate that humans may also be at risk. [More about these diseases >](#)

² Mosquitoes are trapped and tested for West Nile virus in selected counties where a higher number of human cases have occurred in previous years. WNV-positive mosquitoes indicate that WNV is circulating in the state, and that all residents, regardless of location, should take precautions.

³ Infected blood donors are identified through routine screening to ensure the safety of transfusion products. WNV-positive blood donors who are symptomatic are included in the WNV human case count.