

**West Nile Virus Fever and Neuroinvasive Disease†, Deaths
and Positive Blood Donors by County, Oklahoma, 2017***

County	West Nile Virus (WNV) Disease				WNV Positive Blood Donors‡
	WNV Fever	WNV Neuro-invasive	Total (Rate per 100,000)	Deaths due to WNV	
Adair	0	0	0 (0)	0	0
Alfalfa	0	0	0 (0)	0	0
Atoka	0	0	0 (0)	0	0
Beaver	0	0	0 (0)	0	0
Beckham	0	0	0 (0)	0	0
Blaine	0	0	0 (0)	0	0
Bryan	0	1	1 (2.2)	0	0
Caddo	0	0	0 (0)	0	0
Canadian	0	6	6 (4.4)	1	0
Carter	0	2	2 (4.1)	0	0
Cherokee	0	0	0 (0)	0	0
Choctaw	0	0	0 (0)	0	0
Cimarron	0	0	0 (0)	0	0
Cleveland	1	1	2 (0.7)	1	0
Coal	0	0	0 (0)	0	0
Comanche	0	0	0 (0)	0	0
Cotton	0	0	0 (0)	0	0
Craig	0	0	0 (0)	0	0
Creek	0	0	0 (0)	0	0
Custer	0	0	0 (0)	0	0
Delaware	0	0	0 (0)	0	0
Dewey	0	0	0 (0)	0	0
Ellis	0	0	0 (0)	0	0
Garfield	0	2	2 (3.2)	1	0
Garvin	0	0	0 (0)	0	0
Grady	0	0	0 (0)	0	0
Grant	0	0	0 (0)	0	0
Greer	0	0	0 (0)	0	0
Harmon	0	0	0 (0)	0	0
Harper	0	0	0 (0)	0	0
Haskell	0	0	0 (0)	0	0
Hughes	0	0	0 (0)	0	0
Jackson	0	0	0 (0)	0	0
Jefferson	0	0	0 (0)	0	0
Johnston	0	0	0 (0)	0	0
Kay	0	1	1 (2.2)	0	0
Kingfisher	0	0	0 (0)	0	0
Kiowa	0	0	0 (0)	0	0
Latimer	0	0	0 (0)	0	0
LeFlore	1	0	1 (2)	0	1
Lincoln	0	0	0 (0)	0	0
Logan	0	0	0 (0)	0	0
Love	0	0	0 (0)	0	0
McClain	0	0	0 (0)	0	0
McCurtain	0	0	0 (0)	0	0
McIntosh	0	0	0 (0)	0	0

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	WNV Fever	WNV Neuro-invasive	Total (Rate per 100,000)	Deaths due to WNV	
Major	1	0	1 (12.9)	0	0
Marshall	1	0	1 (6.2)	0	1
Mayes	0	0	0 (0)	0	0
Murray	0	0	0 (0)	0	0
Muskogee	1	2	3 (4.3)	0	1
Noble	0	0	0 (0)	0	0
Nowata	0	0	0 (0)	0	0
Okfuskee	0	0	0 (0)	0	0
Oklahoma	0	7	7 (0.9)	0	0
Okmulgee	0	1	1 (2.6)	0	0
Osage	1	0	1 (2.1)	0	0
Ottawa	0	0	0 (0)	0	0
Pawnee	0	0	0 (0)	0	0
Payne	0	0	0 (0)	0	1
Pittsburg	0	1	1 (2.3)	0	0
Pontotoc	0	0	0 (0)	0	0
Pottawatomie	1	3	4 (5.5)	1	0
Pushmataha	0	0	0 (0)	0	0
Roger Mills	0	0	0 (0)	0	0
Rogers	0	0	0 (0)	0	0
Seminole	0	0	0 (0)	0	0
Sequoyah	0	0	0 (0)	0	0
Stephens	0	1	1 (2.3)	0	0
Texas	0	0	0 (0)	0	0
Tillman	0	0	0 (0)	0	0
Tulsa	1	6	7 (1.1)	0	2
Wagoner	0	0	0 (0)	0	0
Washington	0	0	0 (0)	0	0
Washita	0	0	0 (0)	0	0
Woods	0	0	0 (0)	0	0
Woodward	0	0	0 (0)	0	0
Total	8	34	42 (1)	4	6

Data Source: Acute Disease Service, Oklahoma State Department of Health.

† Number of cases, investigated, and verified to meet the Centers for Disease Control & Prevention West Nile virus clinical and laboratory surveillance criteria by the Acute Disease Service, Oklahoma State Department of Health.

‡ WNV Positive Blood Donors are people who had no symptoms at the time of donating blood, but whose blood tested positive in preliminary tests when screened for the presence of West Nile virus. All blood donations are routinely screened for the presence of WNV. Most donors who test WNV+ remain asymptomatic, although approximately 5-10% do develop West Nile disease. Blood donations are made safer by this screening process. WNV+ donations **do not** enter the blood supply and donors are deferred for 30 days.