



**2024 DSHS Arbovirus Activity Report
Week #49 (ending December 7, 2024)
Report Date: December 10, 2024**

Table 1. 2024 Arbovirus Activity Summary, Texas, Week 49

Arbovirus	Mosquito Pools	Avian	Veterinary	Sentinel Chicken	Human					
					Febrile Illness	Neurologic Illness	Severe Dengue	TOTAL (HUMAN)	Deaths	PVD ²
California Serogroup ¹								0		
Chikungunya					20			20		
Dengue					117		7	124	1	
Eastern Equine Encephalitis			3					0		
St. Louis Encephalitis	8			1				0		
West Nile	3314	37	22	15	40	109		149	21	97
Zika								1		
TOTAL REPORTS	3322	37	25	16	177	109	7	294	22	97

¹California Serogroup includes California encephalitis, Jamestown Canyon, Keystone, La Crosse, snowshoe hare, and trivittatus viruses.

²PVD - Presumptive viremic blood donors are people who had no symptoms at the time of donating blood through a blood collection agency, but whose blood tested positive when screened for the presence of West Nile virus or Zika virus. Unless they meet the case reporting criteria, they are not counted as a case for official reporting purposes and are not included in the "Total (HUMAN)" column.

Note: Human mortality from arboviral conditions is aggregated and reported monthly once documentation has been received and verified.

For more detailed information about West Nile virus, including past weekly and annual reports, please visit <https://www.dshs.texas.gov/mosquito-borne-diseases/dshs-arbovirus-weekly-activity-reports>

For more detailed information about Zika, please visit <http://www.texaszika.org/>

Please note that arbovirus weekly reports are weekly snapshots of preliminary DSHS data and may change at any time due to quality assurance procedures. The final weekly report of each year is not complete data for the year and should not be used to draw conclusions regarding annual activity. Refer to our annual summary reports for finalized, complete data or contact wv@dshtexas.gov to request additional data or with any questions.

Table 2. 2024 Aedes-Associated Arbovirus Activity by County†, Week 49

County	CHIKV*		DENV**		ZIKV*		
	M	H	M	H	M	H	PVD
Bexar		1		9			
Brazoria				1			
Cameron				3			
Collin		6		9			
Cooke				1			
Dallas		5		16			
Denton		1		7			
Ector				1			
El Paso				4			
Fort Bend		3		8			
Grayson				1			
Hays				2			
Hidalgo				3			
Kaufman				1			
Liberty				1			
Maverick				2			
McCulloch				1			
McMullen				1			
Mills				1			
Montgomery				6			
Nueces		1		4			
Parker				1			
Rains				1			
Robertson				1			
Smith				3			
Tarrant		1		8			
Taylor				1			
Titus				1			
Tom Green				2			

Travis		1		18			
Val Verde				2			
Victoria				1			
Webb				1			
Williamson		1		2			
Total Number of Reports	0	20	0	124	0	1	0

M- mosquito H- human PVD- Presumptive viremic blood donors

CHIKV - Chikungunya Virus

DENV - Dengue Virus

ZIKV - Zika Virus

*All reported cases are imported.

**Includes case transmitted by mosquitoes in Texas: Cameron County (1)

Table 3. 2024 Other Arbovirus Activity by County†, Week 49

County	CAL		EEEV				SLEV			WNV									
	M	H	M	V	SC	H	M	SC	H	M	A	V	SC	H					
														WNF	WNND	PVD‡	TOTAL		
Angelina										0		1				1			
Armstrong										0		1							0
Bell										49							1		1
Bexar										50				1		3	4		4
Bowie										0						1			1
Brazoria										7							3		0
Brazos										27									0
Briscoe										0		1							0
Brooks										0		1							0
Burleson										1									0
Cameron										1				1					1
Clay										0						1			1
Collin										99						5	5		5
Comal										0							1		0
Cooke										8		1		1					1
Crosby										1									0
Dallam										0							1		0
Dallas										699		1		5	9	6			14
Denton										83				1	6	4			7
Eastland										0		1							0
Ector										0						1			0
El Paso								2		4				1					1
Ellis										48						2			0
Erath										0		2							0
Floyd										1									0
Fort Bend										35					2				2
Galveston									1	4			15			2			0
Grayson										0		1							0
Grimes										3									0
Guadalupe																1			0
Hale										1									0
Hardin										0		1							0
Harris										686	35	2		3	20	25			23
Haskell										0		1							0
Hays										9				2					2
Henderson										0					1				1
Hidalgo										0				2	1				3
Hood										0					1	1			1
Hopkins										0		1							0
Houston				2						0									0

Hunt										20							0
Jefferson										22						1	0
Jim Wells										19						1	0
Johnson										82		1				2	0
Kaufman										4						1	0
King										0	1						0
Kleberg										6							0
Leon										1							0
Lubbock							6			55		1			2	2	2
Lynn										0						1	0
Madison				1						0							0
Martin										0				1			1
McLennan										0		1		1	3	2	4
Midland										23				1		1	1
Moore										0						1	0
Montague										0				1			1
Montgomery										270				2	7	15	9
Nueces										20						1	0
Orange										18						2	0
Parker										0					1		1
Potter										3							0
Randall										3		1				1	0
Red River										0		1					0
Rockwall										4							0
San Patricio										6							0
Smith										0	1						0
Tarrant										714		1		11	31	5	42
Taylor										1							0
Terry										0					1		1
Tom Green										0					1		1
Travis										101				3	1	4	4
Webb										8							0
Walker										0				1	1		2
Wichita										43					8	1	8
Williamson										75		1		2			2
Young										0					1		1
Total Number of Reports	0	0	0	3	0	0	8	1	0	3314	37	22	15	40	109	97	149

M - mosquito A-avian V-veterinary SC- sentinel chicken H- human WNF - West Nile Fever WNND - West Nile Neuroinvasive Disease

CAL - California Serogroup Viruses

EEEV - Eastern Equine Encephalitis Virus

SLEV - St. Louis Encephalitis Virus

WNV - West Nile Virus

†County level data is not reported for conditions with <5 cases reported in a year.

‡PVDs are not included in the "Total" column.

Figure 1. Texas Counties Reporting Arbovirus Activity, Week 49

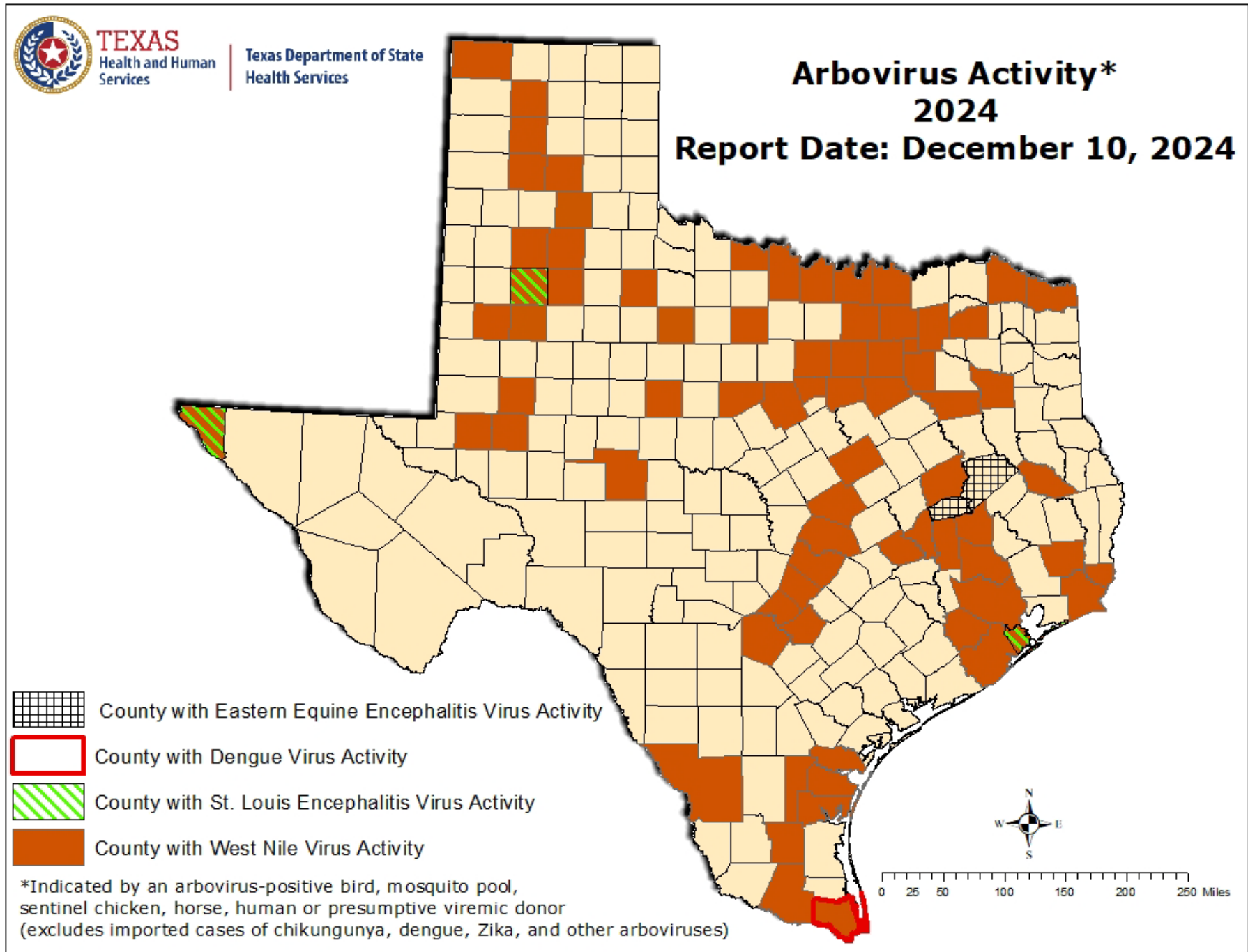


Figure 2. WNV-Positive Mosquito Pools Reported in Texas, by MMWR Week of Collection, 2022-2024, Week 49

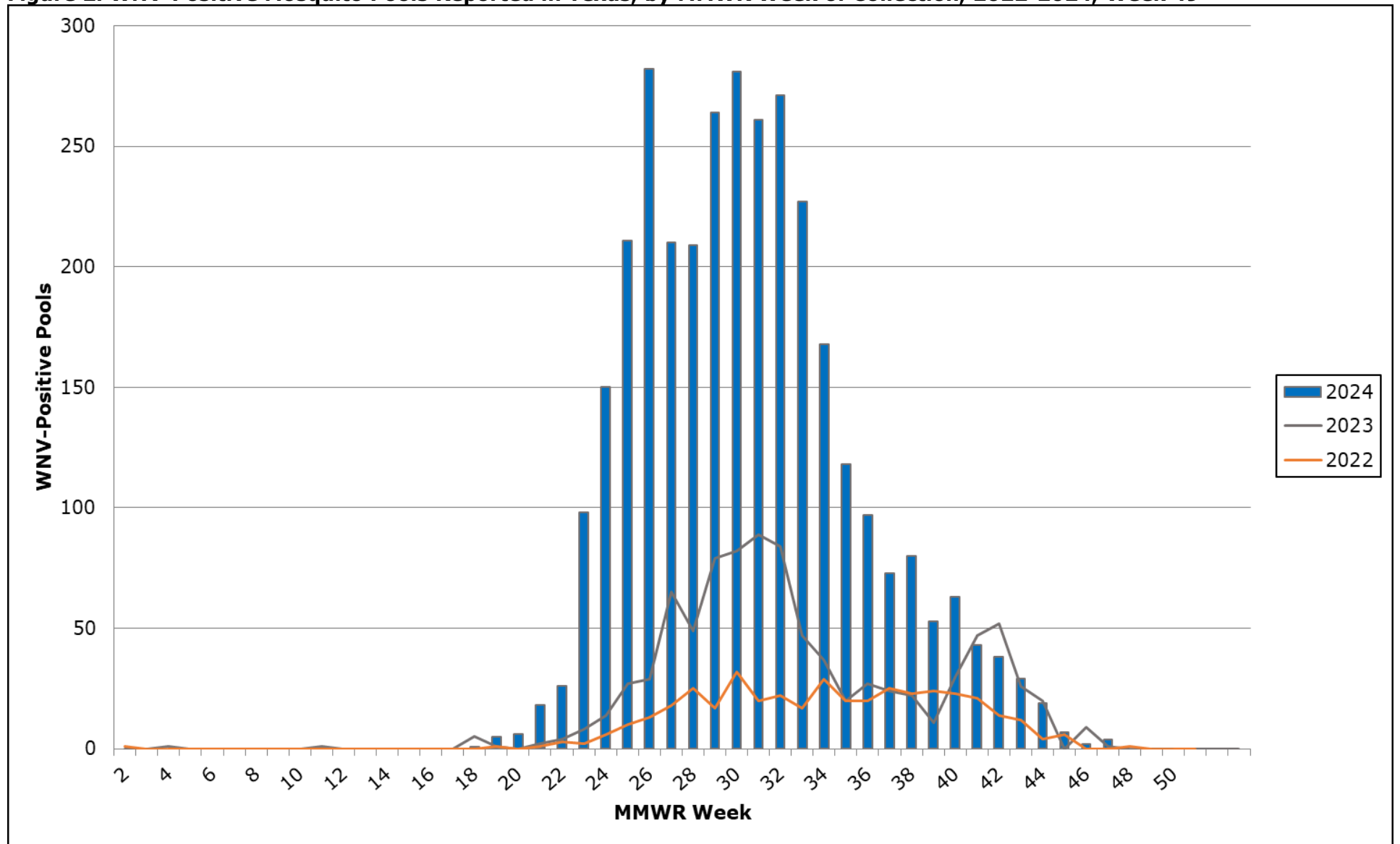


Figure 3. Human Cases of West Nile Virus Reported in Texas, by MMWR Week of Onset, 2022-2024, Week 49

