



Tarrant County Public Health

Weekly Arbovirus Surveillance Report



MMWR Week May 24-30, 2026

Week 19 Summary

118 Mosquito pools* have been testing in NTRL from Week 21

- Year-to-date NTRL has tested a total of 611 mosquito pools

5 mosquito pools tested positive for WNV this week:
 Burleson* (1) Colleyville (1) Fort Worth (1) Grand Prairie* (2)

Average number of mosquitoes/trap include:

- Culex spp: 42.6
- Aedes aegypti and Aedes albopictus: 3.9

NTRL - North Texas Regional Lab

WNV - West Nile virus; SLEV - St. Louis encephalitis virus

* May include data from outside Tarrant County

Commulative Positive WNV Pools per Municipality

There have been a total of 10 positives in 2026

Burleson* (1) Colleyville (1) Fort Worth (3) Grand Prairie* (4) Haslet (1)

* May include data from outside Tarrant County

Table 1. MLE⁽¹⁾ and VI⁽²⁾ for County Quadrants, Weeks 18 and 19

	County Quadrant	# Gravid Traps	Ave F Culex spp	Positive Pools MLE (Lower-Upper Limit)	VI
Week 20	Northeast				
	Northeast				
	Southwest				
	Southwest				
Week 21	Northeast				
	Northeast				
	Southwest				
	Southwest				

Data source: Tarrant County Public Health

1. MLE= Maximum Likelihood or the estimate of the mosquito infection rate per mosquito species.

2. VI= Vector Index which is a measure of infectivity accounting for vector species composition, vector species population density, and proportion of vector population infected with WNV. Averages, MLE, and limits will be given for species with identified infection rates only and only for the latest two week. MLE, Lower and Upper Limits are based on a 95% confidence interval. All data in this table is based on collection date. Calculated using a Maximum Likelihood Estimation (MLE). Biggerstaff, Brad J. PooledInfRate, Version 4.0: a Microsoft® Office Excel® Add-In to compute prevalence estimates from pooled samples. Centers for Disease Control and Prevention, Fort Collins, CO, U.S.A., 2009

Cumulative Data for the Tarrant County Region, Weeks 18-21

Week	May 3 - May 9	May 10 - May 16	May 17 - May 23	May 24 - May 30	YTD
MMWR Week					
Total Number of gravid traps set in Tarrant Region					
Average number of Culex spp per gravid trap					
Number of mosquito pools tested ¹ (NTRL; non-NTRL)					
Number of positive mosquito pools (NTRL; non-NTRL) ¹					
WNV infection rate per 1,000 Culex spp ²					
Weekly vector index ³					
Total BG Sentinel traps set in Tarrant Region					
Average number of female Aedes aegypti and Aedes albopictus per BG trap					

1 Based on mosquito collection date; NTRL = North Texas Regional Laboratory

2 Calculated using a Maximum Likelihood Estimation (MLE). Biggerstaff, Brad J. PooledInfRate, Version 4.0: a Microsoft® Office Excel® Add-In to compute prevalence estimates from pooled samples. Centers for Disease Control and Prevention, Fort Collins, CO, U.S.A., 2009 Culex spp. includes pools of both Cx restuans and Cx quinquefasciatus. These MLEs are calculated separately, per species and added together as per instructions by CDC.

3 Vector Index is a measure of infectivity accounting for vector species composition, vector species population density, and proportion of vector population infected with WNV
 Note: Infection rate and vector index calculations now includes pools from outside laboratories; Data subject to change due to on-going case investigations, mosquito collection, and testing. Data source: Tarrant County Public Health

Figure 1. Average Number of Female Culex Species Per Trap and Vector Index by Collection Date, Tarrant County, 2025-2026

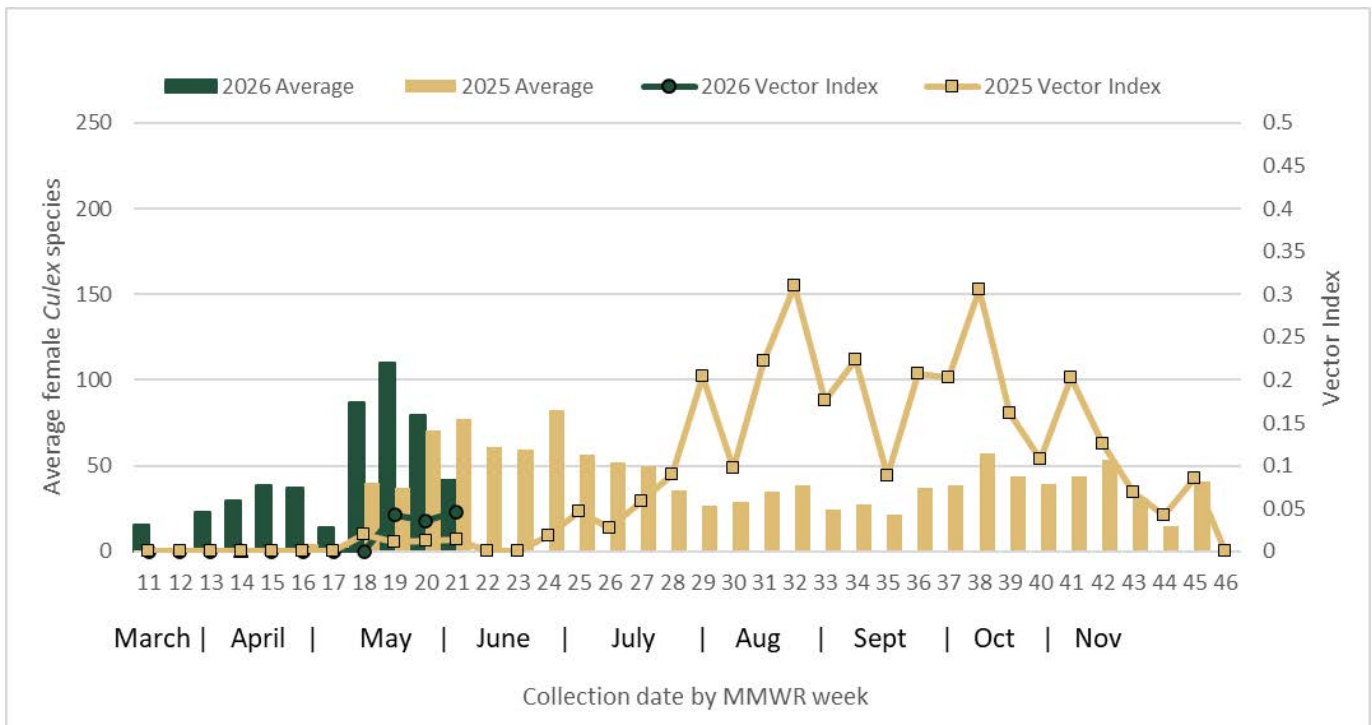
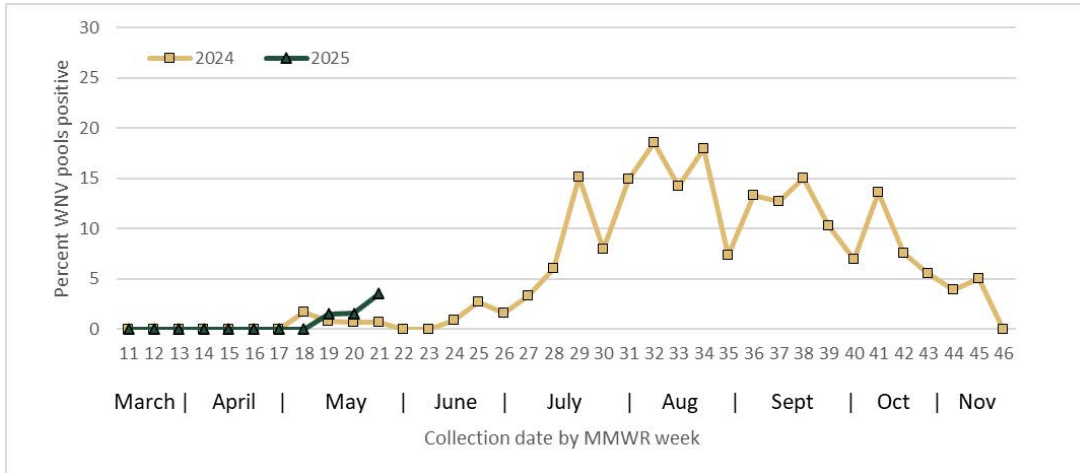


Figure 2. Percentage of Mosquito Pools Positive for WNV by Collection Date, Tarrant County, 2025-2026



Data Source: Tarrant County Public Health

Table 3. North Texas Arbovirus Activity as Reported by Texas DSHS on May 19, 2026

WNV		CHIKV		DENV		SLEV		Zika	
North Texas Counties	Positive Mosquito Pools	Human Cases		Positive Mosquito Pools	Human Cases	Positive Mosquito Pools	Human Cases	Positive Mosquito Pools	Human Cases
		WNV	CHIKV						
Collin		WNV	WNND						
Dallas		WNV	WNND						
Denton		WNV	WNND						
Johnson		WNV	WNND						
Tarrant		WNV	WNND						
North Texas		WNV	WNND						
All Texas Counties									

*All reported CHIKV, DENV, & Zika human cases are travel-related

WNV– West Nile virus; WNF– West Nile fever; WNND– West Nile neuroinvasive disease; CHIKV– Chikungunya virus; DENV– Dengue virus; SLEV– St. Louis encephalitis virus

For Additional Information Please Visit the Links Below:

Tarrant County Public Health

- [Vector Control](#)
- [Be Mosquito Free](#)
- [WNV Interactive Mapping Tool](#)
- [Eliminating Mosquito Breeding Sites](#)
- [Mosquitoes Love Water](#)

Environmental Protection Agency

- [Insect Repellent Information](#)

Texas Department of State Health Services

- [DSHS Mosquito-Borne Diseases](#)
- [DSHS West Nile Virus](#)
- [DSHS Dengue](#)
- [Arbovirus Activity Reports](#)

Center for Disease Control and Prevention

- [CDC West Nile Virus](#)
- [CDC Dengue](#)