



Tarrant County Public Health

Weekly Arbovirus Surveillance Report

MMWR Week June 28 - July 4, 2026



Week 26 Summary

128 mosquito pools* have been tested in NTRL from week 26

- Year-to-date NTRL has tested a total of 1289 mosquito pools

12 mosquito pools tested positive for WNV this week:

Arlington (1) Bedford (1) Colleyville (2) Euless (1) Fort Worth (2) Keller (1) Pantego (2) Unincorporated (2)

Average number of mosquitoes/trap include:

- Culex spp: 28.8
- Aedes aegypti and Aedes albopictus: 5.6

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 54 positives in 2026

Arlington (3) Bedford (3) Burleson *(3) Colleyville (6) Euless (3) Fort Worth (10) Grand Prairie* (9) Grapevine (1) Haslet (1) Hurst (1) Keller (3) North Richland Hills (1) Pantego (5) Southlake (1) Unincorporated (4)

* May include data from outside Tarrant County

Table 1. MLE⁽¹⁾ and VI⁽²⁾ for County Quadrants, Weeks 25 and 26

	County Quadrant	# Gravid Traps	Ave F Culex spp	Positive Pools	MLE (Lower-Upper Limit)	VI
Week 25	Northeast	56	35.7	6	4.36 (1.79-9.13)	0.16
	Northwest	24	64.5	2	2.16 (0.40-7.03)	0.14
	Southeast	38	28.4	3	3.16 (0.84-8.61)	0.09
	Southwest	22	41.6	1	1.40 (0.08-6.83)	0.06
Week 26	Northeast	56	22.6	6	6.08 (2.52-12.64)	0.14
	Northwest	21	49.8	1	1.56 (0.09-7.71)	0.08
	Southeast	35	35.9	2	2.03 (0.37-6.64)	0.07
	Southwest	22	27.1	3	8.95 (2.37-25.36)	0.24

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 23-26

Week	June 7 - June 13	June 14 - June 20	June 21 - June 27	June 28 - July 4	YTD
MMWR Week	23	24	25	26	
Total Number of gravid traps set in Tarrant Region	160	173	162	152	1605
Average number of Culex spp per gravid trap	60.0	49.1	39.7	28.8	61.9
Number of mosquito pools tested ¹ (NTRL; non-NTRL)	131;20	144;25	137;20	128;20	1289;265
Number of positive mosquito pools (NTRL; non-NTRL) ¹	5;1	6;2	11;2	12;0	45;9
WNV infection rate per 1,000 Culex spp ²	1.31	1.50	3.07	4.15	
Weekly vector index ³	0.075	0.072	0.120	0.118	
Total BG Sentinel traps set in Tarrant Region	28	23	32	26	240
Average number of female Aedes aegypti and Aedes albopictus per BG trap	9.1	7.8	7.0	5.6	5.1

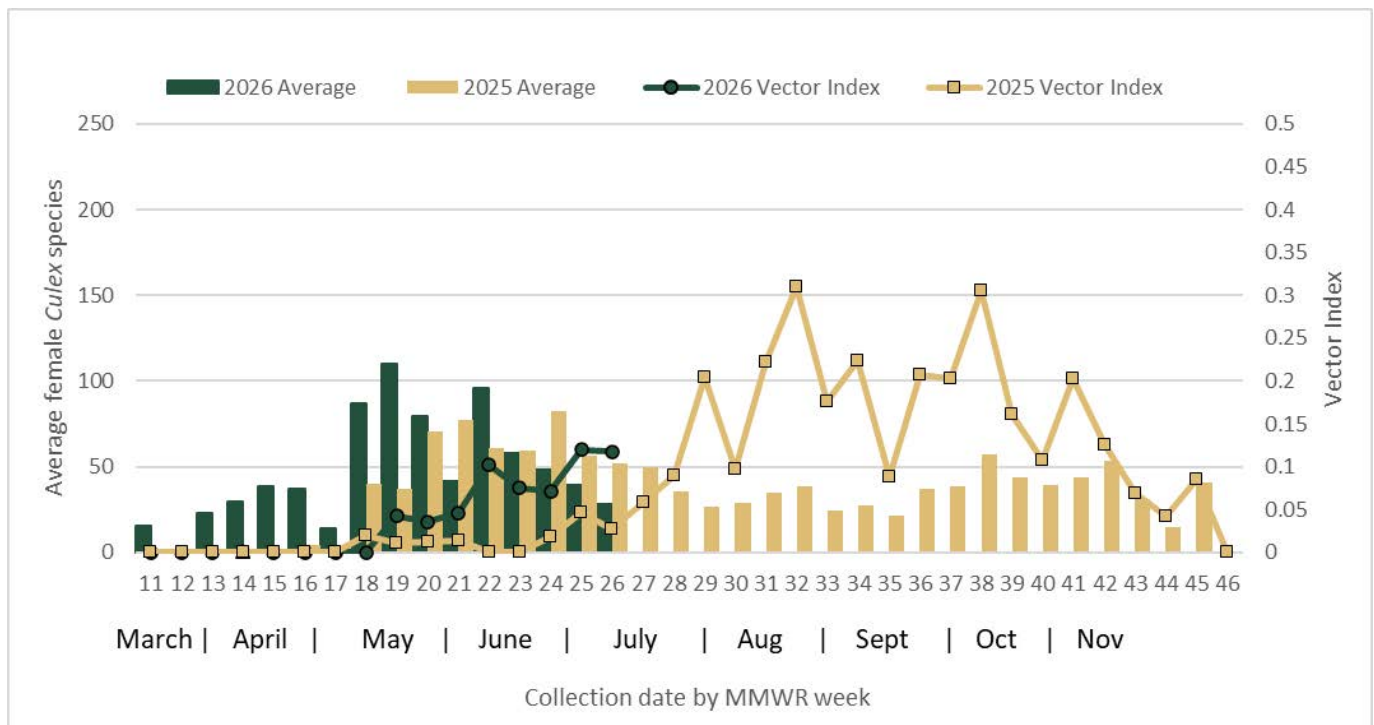
¹ Based on mosquito collection date; NTRL = North Texas Regional Laboratory

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

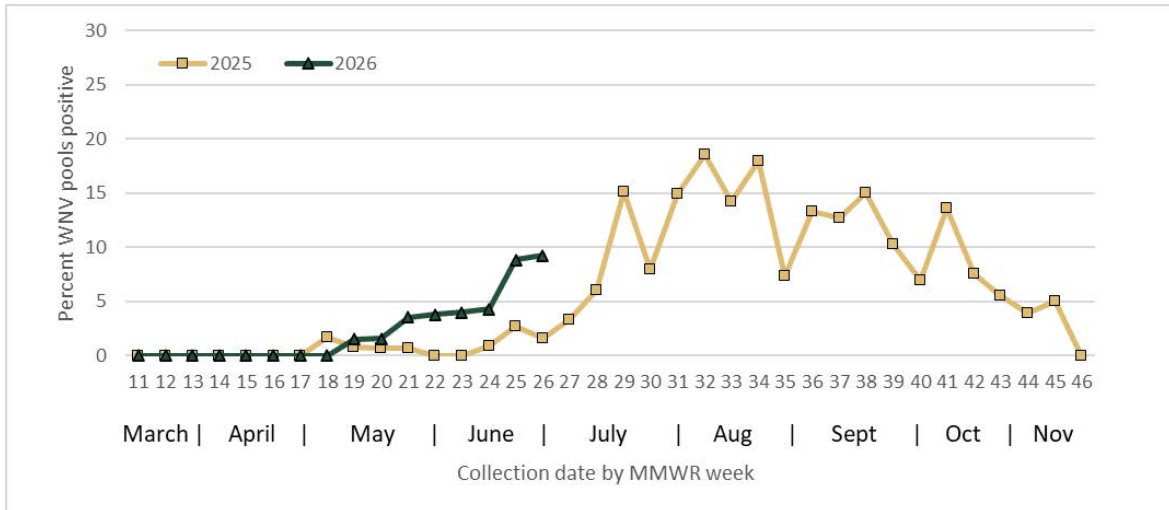
Note: Infection rate and vector index calculations now includes pools from outside laboratories; Data subject to change due to on-going case investigations, mosquito collection, and testing. Data source: Tarrant County Public Health

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



Data Source: Tarrant County Public Health

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 July 7, 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	Positive Mosquito Pools	Human Cases
Collin	4	0	WNF	0	WNND	0	1	0	0	0	0	0	0
Dallas	101	0	WNF	0	WNND	0	0	0	0	0	0	0	0
Denton	17	0	WNF	0	WNND	0	0	0	0	0	0	0	0
Johnson	2	0	WNF	0	WNND	0	0	0	0	0	0	0	0
Tarrant	53	0	WNF	0	WNND	0	0	0	0	0	0	0	0
North Texas	177	0	WNF	0	WNND	0	1	0	1	0	0	0	0
All Texas Counties	474	2		3		0	2	0	4	0	0	0	0

*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