



Tarrant County Public Health

Weekly Arbovirus Surveillance Report



MMWR Week August 23 - 29, 2026

Week 34 Summary

137 mosquito pools* have been tested in NTRL from week 34

- Year-to-date NTRL has tested a total of 2383 mosquito pools

7 mosquito pools tested positive for WNV this week:

Arlington (1) Fort Worth (1) Grapevine (1) Haslet (1) Keller (2) Southlake (1)

Average number of mosquitoes/trap include:

- Culex spp: 22.6
- Aedes aegypti and Aedes albopictus: 1.6

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 161 positives in 2026

Arlington (17) Bedford (6) Benbrook (1) Burleson *(4) Colleyville (14) DFW Airport*(1) Euless (14) Fort Worth* (43) Grand Prairie* (11) Grapevine (6) Haslet (2) Hurst (1) Keller (11) North Richland Hills (3) Pantego (8) Southlake (5) Unincorporated (13) Westover Hills (1)

* May include data from outside Tarrant County

Table 1. MLE⁽¹⁾ and VI⁽²⁾ for County Quadrants, Weeks 33 and 34

	County Quadrant	# Gravid Traps	Ave F Culex spp	Positive Pools	MLE (Lower-Upper Limit)	VI
Week 33	Northeast	59	17.8	7	8.09 (3.61-16.10)	0.14
	Northwest	23	36.0	1	1.70 (0.10-8.27)	0.06
	Southeast	35	25.4	1	1.65 (0.10-8.18)	0.04
	Southwest	19	34.9	2	3.92 (0.70-13.24)	0.14
Week 34	Northeast	57	14.4	4	5.29 (1.77-12.49)	0.08
	Northwest	24	28.6	1	1.87 (0.11-9.27)	0.05
	Southeast	33	31.1	1	1.92 (0.11-9.30)	0.00
	Southwest	21	24.6	0	0.00 (0.00-8.09)	0.05

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 31-34

Week	Aug. 2 - Aug. 8	Aug. 9 - Aug. 15	Aug. 16 - Aug. 22	Aug. 23 - Aug. 29	YTD
MMWR Week	31	32	33	34	
Total Number of gravid traps set in Tarrant Region	258	162	161	161	2885
Average number of Culex spp per gravid trap	36.7	37.6	27.9	22.6	48.9
Number of mosquito pools tested ¹ (NTRL; non-NTRL)	138;18	139;17	138;18	137;18	2383;410
Number of positive mosquito pools (NTRL; non-NTRL) ¹	15;0	11;0	11;0	7;0	105;11
WNV infection rate per 1,000 Culex spp ²	4.78	4.17	4.37	2.74	
Weekly vector index ³	0.170	0.146	0.114	0.060	
Total BG Sentinel traps set in Tarrant Region	30	29	31	28	470
Average number of female Aedes aegypti and Aedes albopictus per BG trap	3.1	1.8	1.5	1.6	4.2

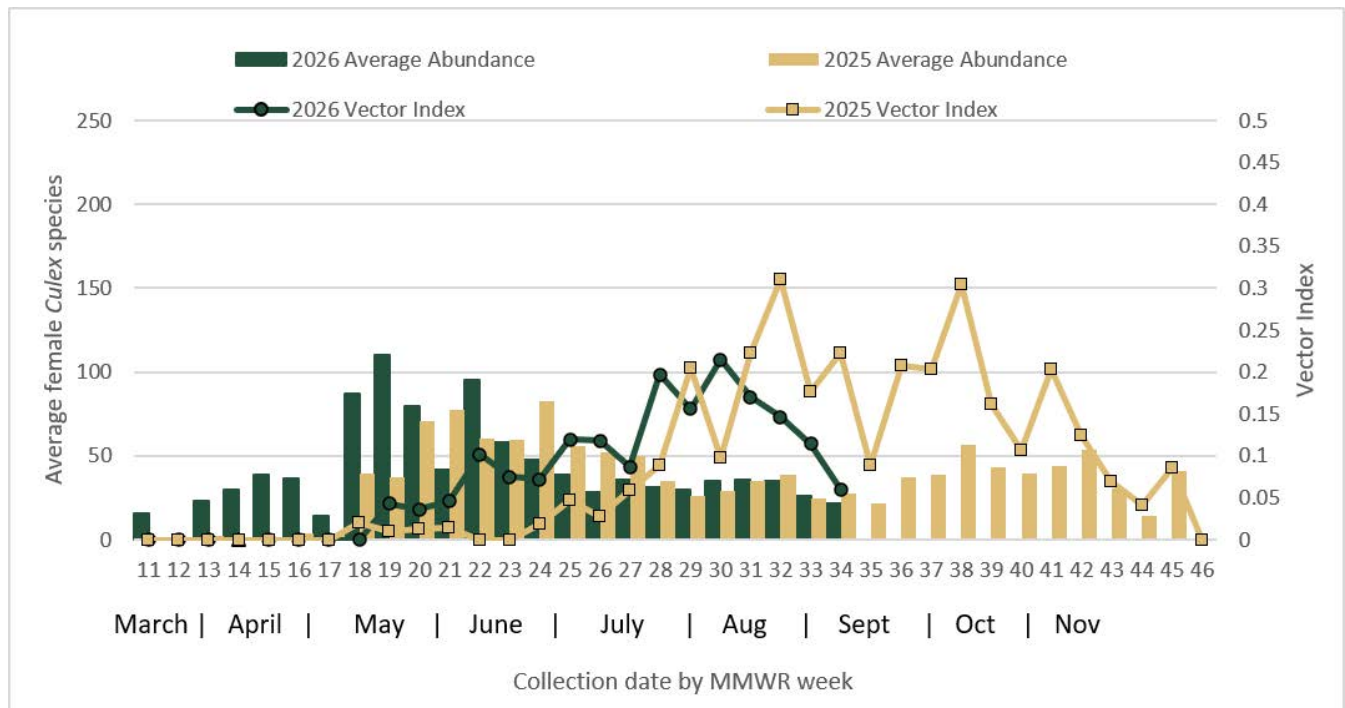
¹ Based on mosquito collection date; NTRL = North Texas Regional Laboratory

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

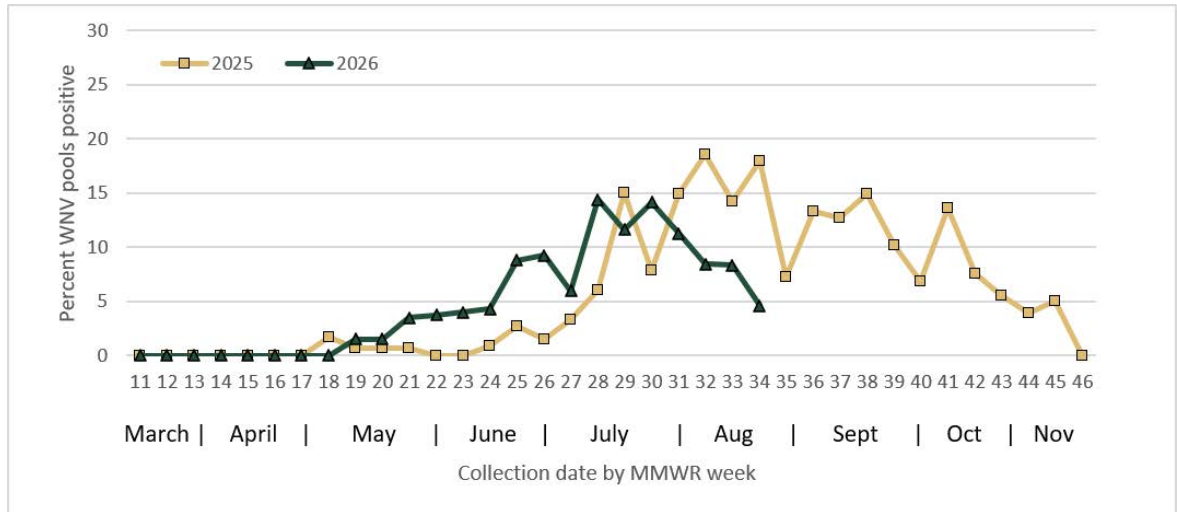
Note: Infection rate and vector index calculations now includes pools from outside laboratories; Data subject to change due to on-going case investigations, mosquito collection, and testing. Data source: Tarrant County Public Health

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 September 1, 2026 with additional positives from the Tarrant County region updated through the date of publication.

WNV						CHIKV		DENV		SLEV		Zika		EEEV	
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	Positive Mosquito Pools	Human Cases
Collin	22	0	WNF	0	WNND	0	1	0	1	0	0	0	0	0	0
Dallas	173	0	WNF	2	WNND	0	1	0	2	0	0	0	0	0	0
Denton	38	1	WNF	2	WNND	0	0	0	0	0	0	0	0	0	0
Johnson	3	0	WNF	0	WNND	0	0	0	0	0	0	0	0	0	0
Parker	1	0	WNF	0	WNND	0	0	0	0	0	0	0	0	0	0
Tarrant	152	1	WNF	7	WNND	0	0	0	2	0	0	0	0	0	0
North Texas	389	2	WNF	11	WNND	0	2	0	5	0	0	0	0	0	0
All Texas Counties	1271	11		36		0	3	0	9	7	0	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