

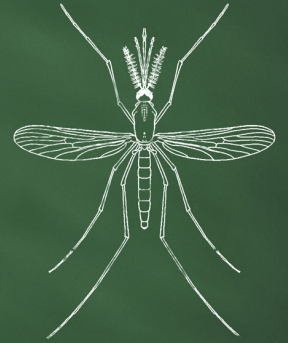


Public Health

Tarrant County Public Health

Weekly Arbovirus Surveillance Report

MMWR Week October 11 - 17, 2026



Week 41 Summary

130 mosquito pools* have been tested in NTRL from week 41

- Year-to-date NTRL has tested a total of 3280 mosquito pools

3 mosquito pools tested positive for WNV this week:
Grapevine (1) Unincorporated (2)

Average number of mosquitoes/trap include:

- Culex spp: 36.3
- Aedes aegypti and Aedes albopictus: 6.1

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 175 positives in 2026

Arlington (18) Bedford (6) Benbrook (2) Burleson *(4) Colleyville (15) DFW Airport*(1) Euless (15) Fort Worth* (43)
Grand Prairie* (13) Grapevine (7) Haslet (2) Hurst (1) Keller (13) North Richland Hills (3) Pantego (8) Southlake (5)
Unincorporated (18) Westover Hills (1)

* May include data from outside Tarrant County

Table 1. MLE⁽¹⁾ and VI⁽²⁾ for County Quadrants, Weeks 40 and 41

	County Quadrant	# Gravid Traps	Ave F Culex spp	Positive Pools	MLE (Lower-Upper Limit)	VI
Week 40	Northeast	55	17.2	1	1.12 (0.07-5.43)	0.02
	Northwest	22	56.9	0	0.00 (0.00-4.60)	0.00
	Southeast	31	36.5	0	0.00 (0.00-4.99)	0.00
	Southwest	21	32.7	1	1.54 (0.09-7.55)	0.05
Week 41	Northeast	52	20.0	1	1.20 (0.07-5.92)	0.02
	Northwest	24	62.3	1	1.36 (0.08-6.67)	0.08
	Southeast	35	33.0	1	1.26 (0.07-6.12)	0.04
	Southwest	21	67.4	0	0.00 (0.00-7.21)	0.00

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 38 - 41

Week	Sept. 20 - Sept. 26	Sept. 27 - Oct. 3	Oct. 4 - Oct. 10	Oct. 11 - Oct. 17	YTD
MMWR Week	38	39	40	41	
Total Number of gravid traps set in Tarrant Region	164	134	156	155	3961
Average number of Culex spp per gravid trap	39.4	40.0	31.4	36.3	44.3
Number of mosquito pools tested ¹ (NTRL; non-NTRL)	140;21	108;21	131;21	130;17	3281;545
Number of positive mosquito pools (NTRL; non-NTRL) ¹	0;1	0;0	2;0	3;0	162;13
WNV infection rate per 1,000 Culex spp ²	0.00	0.00	0.67	1.08	
Weekly vector index ³	0.000	0.000	0.020	0.038	
Total BG Sentinel traps set in Tarrant Region	26	13	27	25	642
Average number of female Aedes aegypti and Aedes albopictus per BG trap	1.7	1.9	5.6	6.1	3.9

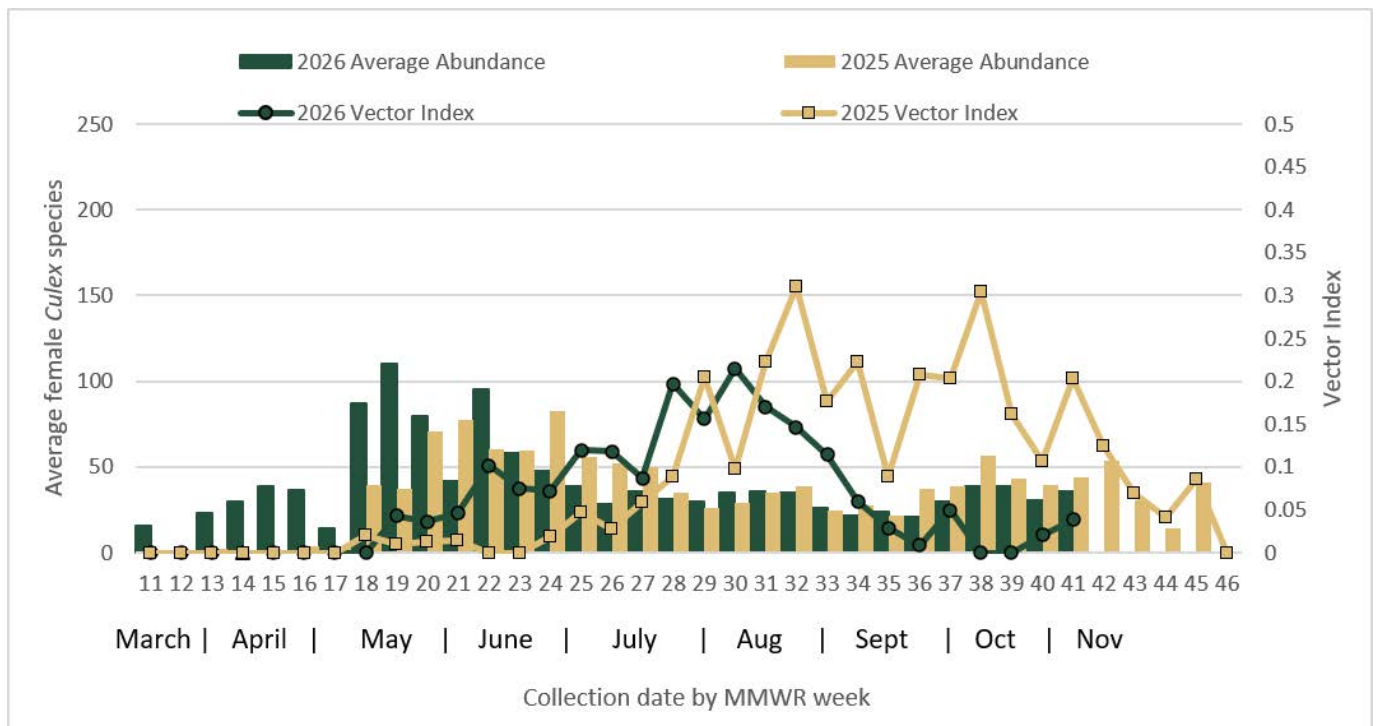
¹ Based on mosquito collection date; NTRL = North Texas Regional Laboratory

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

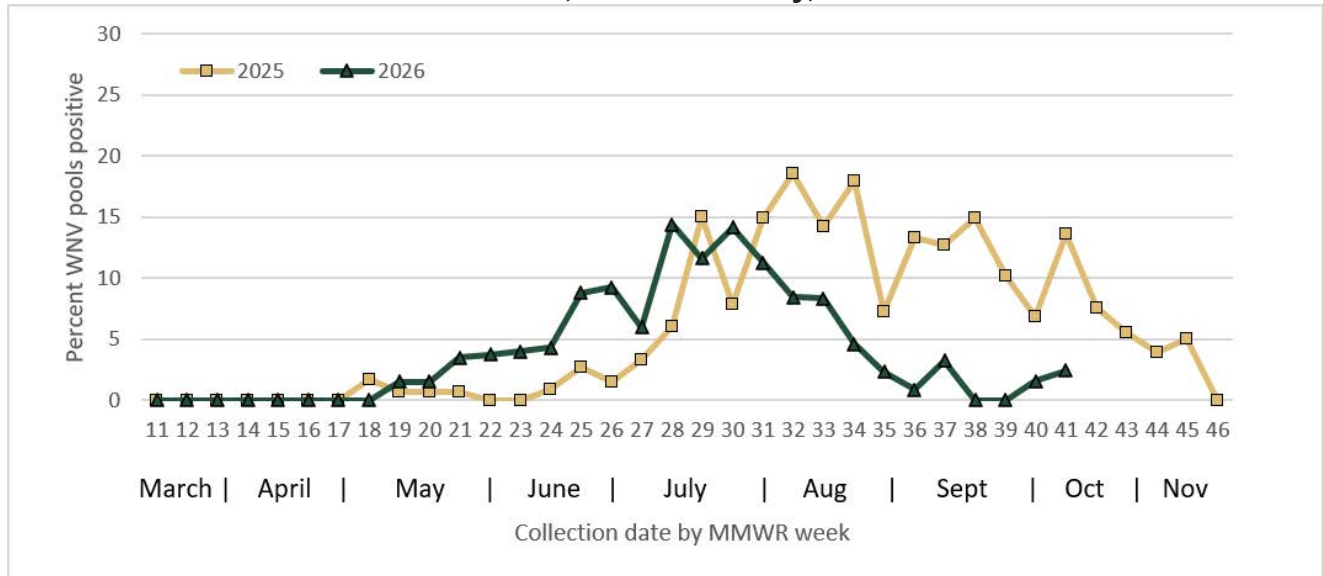
Note: Infection rate and vector index calculations now includes pools from outside laboratories; Data subject to change due to on-going case investigations, mosquito collection, and testing. Data source: Tarrant County Public Health

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 October 20, 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	26	0	WNF	0	WNND	0	1	0	3	0	0	0	0	0	0
Dallas	188	0	WNF	6	WNND	0	1	0	6	0	0	0	0	0	0
Denton	38	1	WNF	5	WNND	0	0	0	0	0	0	0	0	0	0
Johnson	4	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	163	2	WNF	12	WNND	0	0	0	5	0	0	0	0	0	0
North Texas	420	3	WNF	23	WNND	0	2	0	14	0	0	0	0	0	0
All Texas Counties	1409	16		68		0	4	0	30	13	1	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