Tarrant County Public Health

Weekly Arbovirus Surveillance Report

MMWR Week July 5 - 11, 2026

Week 27 Summary

140 mosquito pools* have been tested in NTRL from week 27
- Year-to-date NTRL has tested a total of 1429 mosquito pools

8 mosquito pools tested positive for WNV this week:
Arlington (2) Euless (3) Fort Worth (2) Grapevine (1)

Average number of mosquitoes/trap include:
- Culex spp: 36.8
- Aedes aegypti and Aedes albopictus: 4.6

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 62 positives in 2026

Arlington (5) Bedford (3) Burleson *(3) Colleyville (6) Euless (6) Fort Worth (12) Grand Prairie* (9) Grapevine (2) 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 26 and 27

	County Quadrant	# Gravid Traps	Ave F Culex spp	Positive Pools	MLE (Lower-Upper Limit)	VI
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
Week 27	Northeast	57	23.5	5	4.76 (1.80-10.48)	0.11
	Northwest	25	87.7	1	1.01 (0.06-4.94)	0.09
	Southeast	35	24.8	2	2.74 (0.50-9.00)	0.07
	Southwest	21	31.0	0	0.00 (0.00-6.40)	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 24-27

Week	June 14 - June 20	June 21 - June 27	June 28 - July 4	July 5 - Jul 11	YTD
MMWR Week	24	25	26	27	
Total Number of gravid traps set in Tarrant Region	173	162	152	164	1769
Average number of Culex spp per gravid trap	49.1	39.7	28.8	36.8	59.6
Number of mosquito pools tested[1] (NTRL; non-NTRL)	144;25	137;20	128;20	140;20	1429;285
Number of positive mosquito pools (NTRL; non-NTRL)[1]	6;2	11;2	12;0	8;0	53;9
WNV infection rate per 1,000 Culex spp[2]	1.50	3.07	4.15	2.45	
Weekly vector index3	0.072	0.120	0.118	0.087	
Total BG Sentinel traps set in Tarrant Region	23	32	26	28	268
Average number of female Aedes aegytpi and Aedes albopictus per BG trap	7.8	7.0	5.6	4.6	5.0

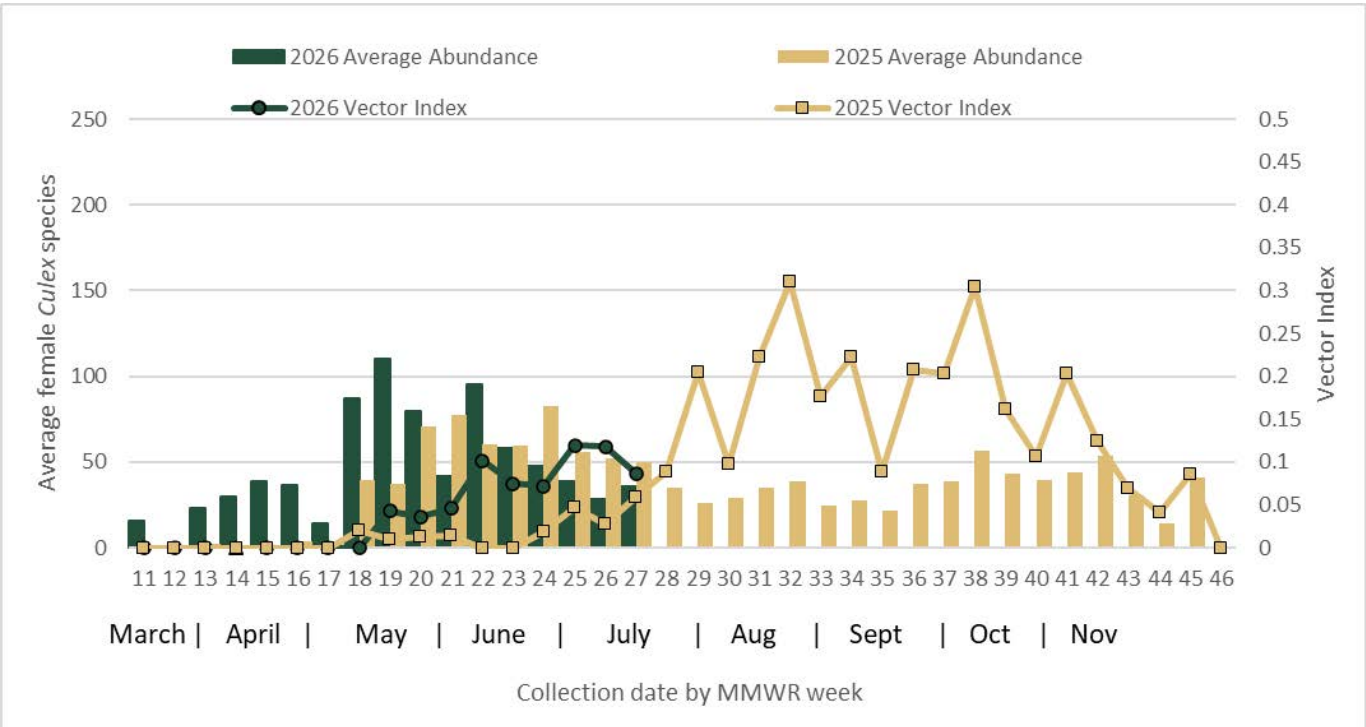
1 Based on mosquito collection date; NTRL = North Texas Regional Laboratory

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

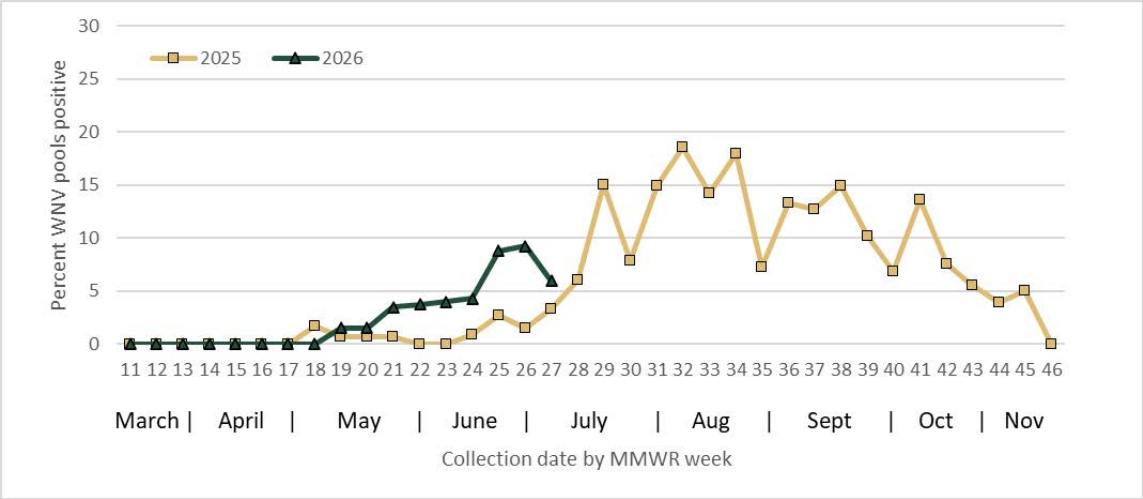
Note: Infection rate and vector index calculations now includes pools from outside laboratories; Data subject to change due to on-going case investigations, mosquito collection, and testing. Data source: Tarrant County Public Health

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 14, 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	5	0	WNF	0	WNND	0	1	0	0	0	0	0	0
Dallas	112	0	WNF	0	WNND	0	0	0	0	0	0	0	0
Denton	21	1	WNF	0	WNND	0	0	0	0	0	0	0	0
Johnson	3	0	WNF	0	WNND	0	0	0	0	0	0	0	0
Tarrant	67	0	WNF	0	WNND	0	0	0	1	0	0	0	0
North Texas	208	0	WNF	0	WNND	0	1	0	1	0	0	0	0
All Texas Counties	598	3		4		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