Tarrant County Public Health

Weekly Arbovirus Surveillance Report

MMWR Week June 14-20, 2026

Week 24 Summary

144 mosquito pools* have been tested in NTRL from week 24
- Year-to-date NTRL has tested a total of 880 mosquito pools

8 mosquito pools tested positive for WNV this week:
Arlington (1) Burleson* (1) Euless (1) Grand Prairie* (2) North Richland Hills (1) Pantego (1) Unincorporated (1)

Average number of mosquitoes/trap include:
- Culex spp: 49.1
- Aedes aegypti and Aedes albopictus: 7.8

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 29 positives in 2026

Arlington (2) Bedford (1) Burleson *(3) Colleyville (3) Euless (1) Fort Worth (5) Grand Prairie* (7) Haslet (1) Hurst (1) Keller (1) North Richland Hills (1) Pantego (1) Unincorporated (2)

* May include data from outside Tarrant County

Table 1. MLE(1) and VI(2) for County Quadrants, Weeks 23 and 24

	County Quadrant	# Gravid Traps	Ave F Culex spp	Positive Pools	MLE (Lower-Upper Limit)	VI
Week 22	Northeast	50	38.1	3	2.51 (0.66-6.84)	0.10
	Northwest	26	121.3	2	1.94 (0.35-6.42)	0.23
	Southeast	35	60.3	0	0.00 (0.00-3.49)	0.00
	Southwest	23	54.3	0	0.00 (0.00-5.59)	0.00
Week 23	Northeast	55	32.5	2	1.54 (0.27-5.08)	0.05
	Northwest	31	83.1	0	0.00 (0.00-3.28)	0.00
	Southeast	37	48.7	4	3.81 (1.24-9.26)	0.19
	Southwest	21	48.0	0	0.00 (0.00-5.89)	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 21-24

Week	May 24-May 30	May 31-June 6	June 7 - June 13	June 14 - June 20	YTD
MMWR Week	21	22	23	24	
Total Number of gravid traps set in Tarrant Region	141	166	160	173	1291
Average number of Culex spp per gravid trap	42.6	96.8	60.0	49.1	68.6
Number of mosquito pools tested[1] (NTRL; non-NTRL)	118;17	138;20	131;20	144;25	1024;225
Number of positive mosquito pools (NTRL; non-NTRL)[1]	3;2	5;0	5;1	6;2	22;7
WNV infection rate per 1,000 Culex spp[2]	1.15	1.08	1.31	1.50	
Weekly vector index3	0.046	0.102	0.075	0.072	
Total BG Sentinel traps set in Tarrant Region	23	26	28	23	182
Average number of female Aedes aegytpi and Aedes albopictus per BG trap	3.9	5.1	9.1	7.8	4.7

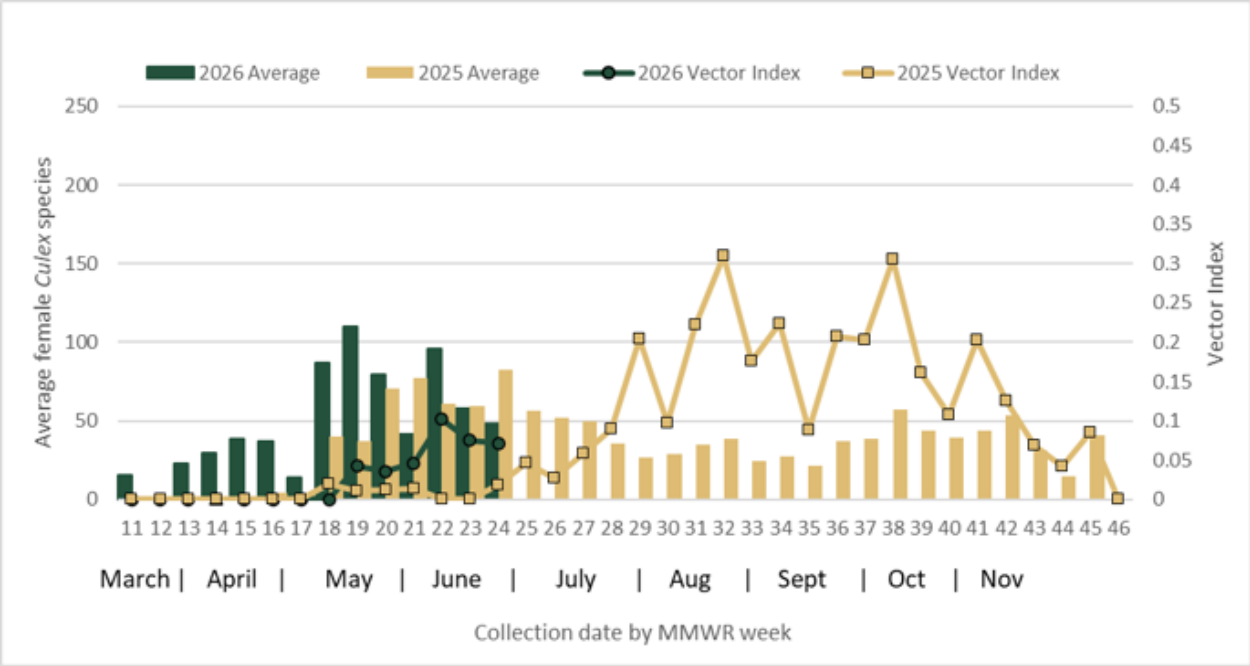
1 Based on mosquito collection date; NTRL = North Texas Regional Laboratory

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

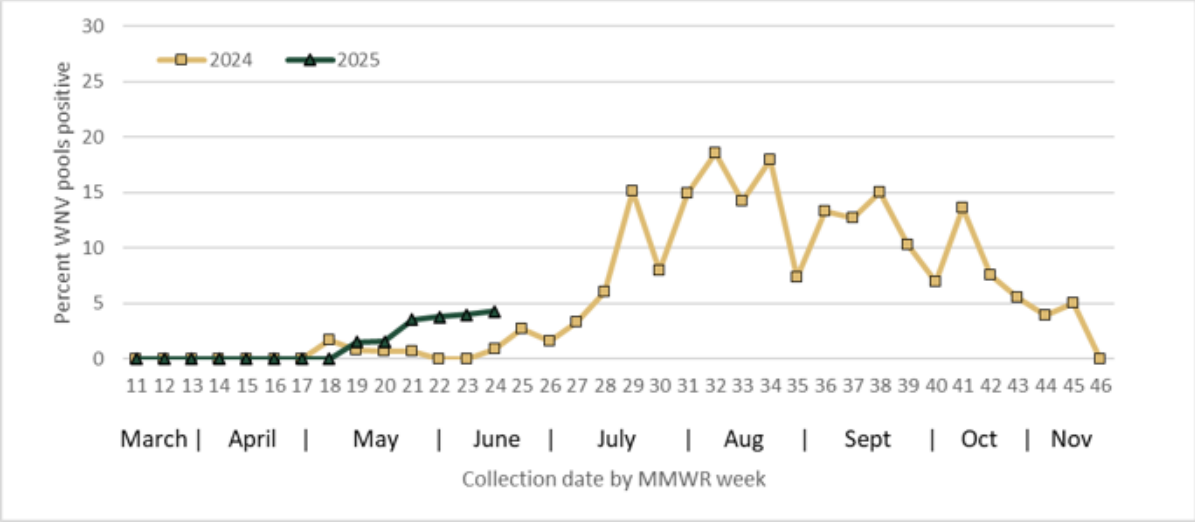
Note: Infection rate and vector index calculations now includes pools from outside laboratories; Data subject to change due to on-going case investigations, mosquito collection, and testing. Data source: Tarrant County Public Health

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 June 23, 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	3	0	WNF	0	WNND	0	1	0	0	0	0	0	0
Dallas	48	0	WNF	0	WNND	0	0	0	0	0	0	0	0
Denton	13	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	31	0	WNF	0	WNND	0	0	0	0	0	0	0	0
North Texas	97	0	WNF	0	WNND	0	1	0	1	0	0	0	0
All Texas Counties	253	1		1		0	1	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