



Tarrant County Public Health

West Nile Virus Update



TCPH West Nile Virus (WNV) Activity Report
 MMWR Week 25 (ending June 21, 2014)
 Report Date: June 24, 2014

- 182 mosquito pools submitted during MMWR Week 25; All tested negative for WNV and SLEV
- 1,346 mosquito pools submitted in 2014; All have tested negative for WNV and SLEV
- No human WNV cases have been reported to date for 2014
- More information can be found at: www.tarrantcounty.com/ehealth

Table 1. WNV activity summary, Tarrant County, weeks 21-25, 2014

Week Ending	24-May	31-May	7-Jun	14-Jun	21-Jun	YTD
MMWR Week	21	22	23	24	25	
Total traps placed in Tarrant County	160	145	166	164	144	1,481
Average number of female <i>Culex</i> (all species) per trap	9.8	17.8	12.4	33.0	22.1	15.2
Number of mosquito pools tested	152	102	269	174	182	1,346
Number of positive mosquito pools	0	0	0	0	0	0
Confirmed WNV human cases (WNF; WNND) ¹	0;0	0;0	0;0	0;0	0;0	0;0
Presumptive WNV viremic blood donors	0	0	0	0	0	0
WNV infection rate per 1,000 <i>Cx. quinquefasciatus</i> ²	0	0	0	0	0	0
Weekly vector index ³	0	0	0	0	0	0

¹ Based on onset of illness date for cases reported to Tarrant County Public Health; WNF=West Nile Fever; WNND = West Nile Neuroinvasive Disease

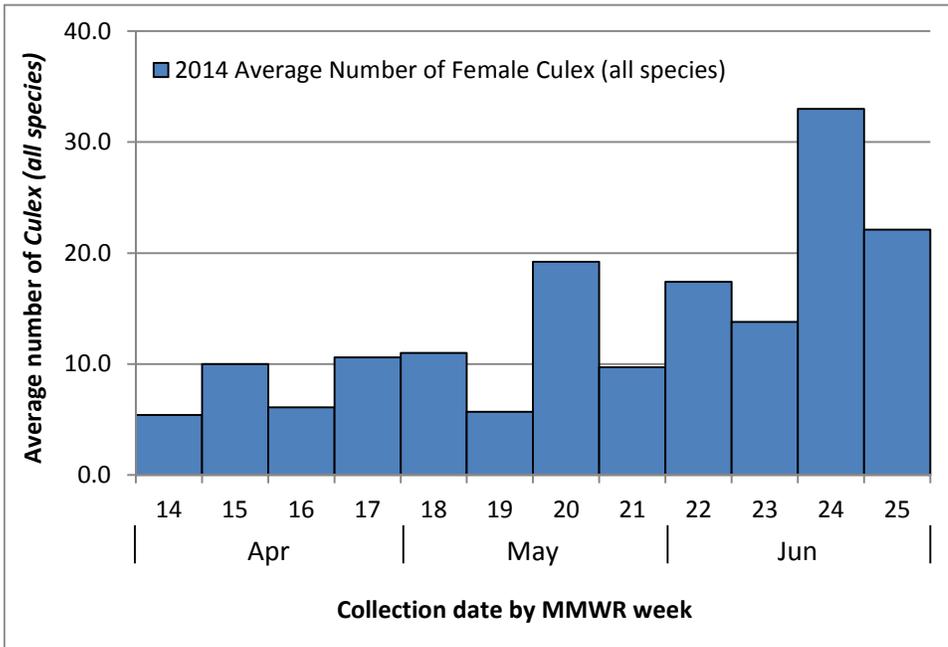
² Calculated using a Maximum Likelihood Estimation (MLE). Biggerstaff, Brad J. PooledInfRate, Version 4.0: a Microsoft® Office Excel® Add-In to compute prevalence estimates from pooled samples. Centers for Disease Control and Prevention, Fort Collins, CO, U.S.A., 2009

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

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* (all species) per trap, Tarrant County, weeks 14-25, 2014



Data source: Tarrant County Public Health

Figure 2. Percentage of submitted mosquito pools that tested positive for WNV, Tarrant County, weeks 14-25, 2012-2014

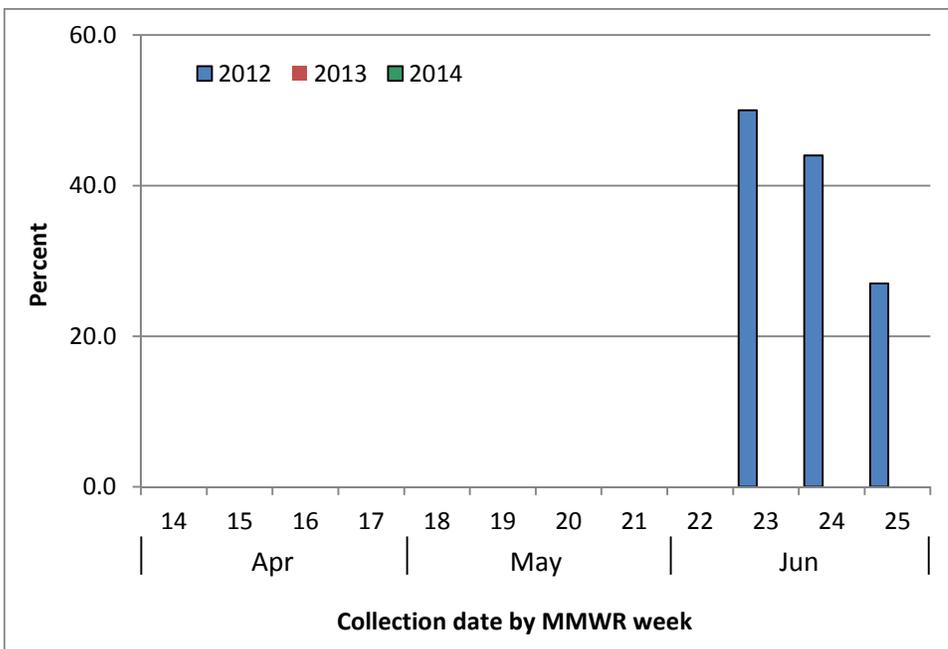
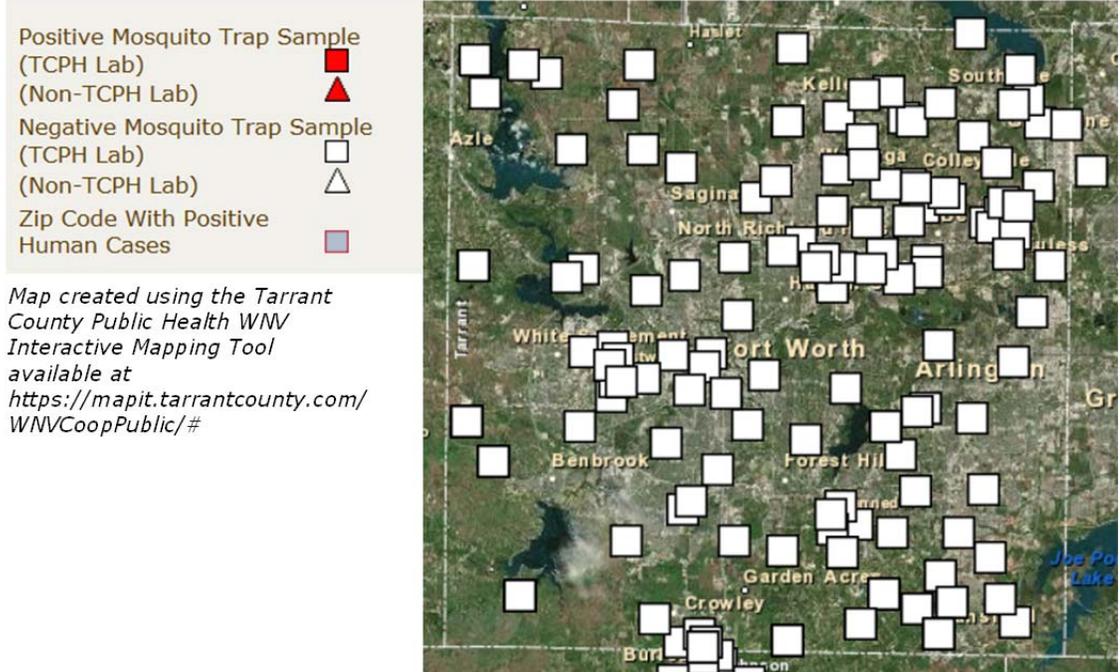


Figure 3. Mosquito trap results and human WNV cases, Tarrant County, week 25, 2014



State-wide WNV activity as of June 20, 2014

- A total of 39 mosquito pools have tested positive for WNV: Dallas County (3), Harris County (32), Montgomery (4)
- No human WNV cases have been reported