



# EPIDEMIOLOGY & SURVEILLANCE

Health Care Services  
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## Arbovirus Activity Report: Collin County Updates 2024 MMWR 44 (October 27, 2024 – November 2, 2024)

West Nile Virus Human Case Counts		
January	0	West Nile Neuroinvasive Disease
February	0	8 <sup>†</sup>
March	0	West Nile Non-Neuroinvasive Disease
April	0	2 <sup>†</sup>
May	0	Total Deaths
June	0	2 <sup>†</sup>
July	1	
August	5 <sup>†</sup>	
September	1 <sup>†</sup>	
October	3 <sup>†</sup>	
November	-	
December	-	
<b>Total Cases</b>	<b>10<sup>†</sup></b>	

Other Mosquito Borne Diseases	Human Case Count	Disease Imported
Chikungunya	4	Yes
Dengue	9	Yes
Zika	0	-

WNV Positive Mosquito Traps: Collin County Unincorporated Areas*	
0	-

WNV Positive Mosquito Traps: Municipalities (cities/towns)*	
6	Plano
15	McKinney
7	Richardson
21	Frisco
8	Allen
8	Fairview

Total WNV Positive Mosquito Traps: Municipalities + Unincorporated Areas	
65	

\* Please note that municipality reporting of positive mosquito traps is voluntary. For updates and questions regarding mosquito traps that tested positive for West Nile Virus, please contact the municipality's environmental health services directly

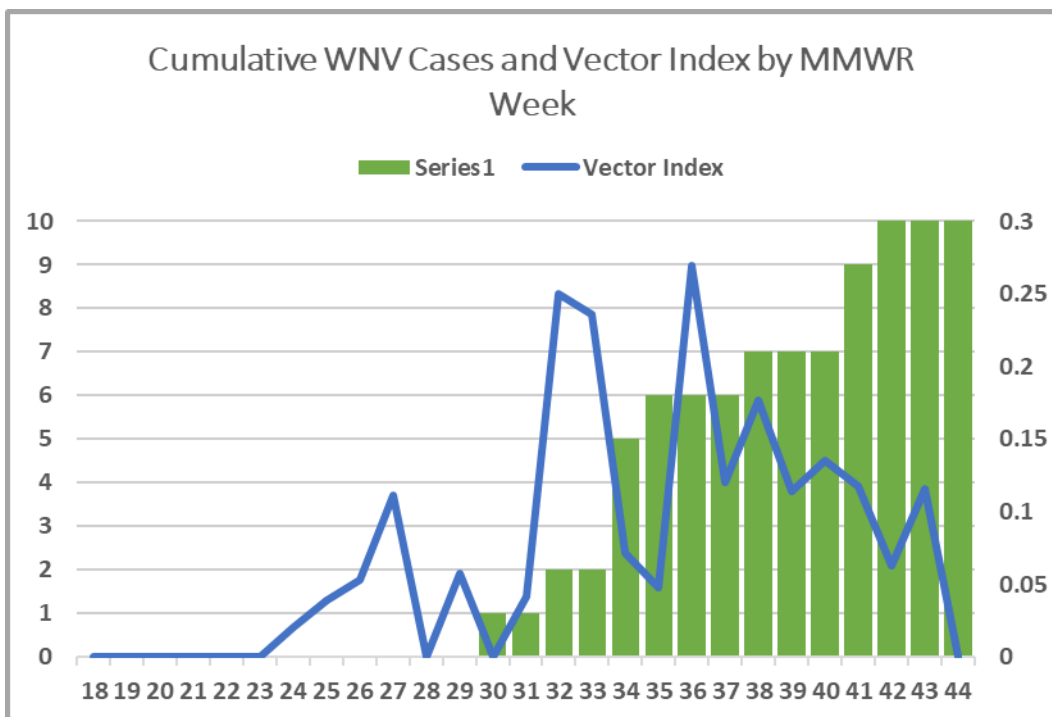
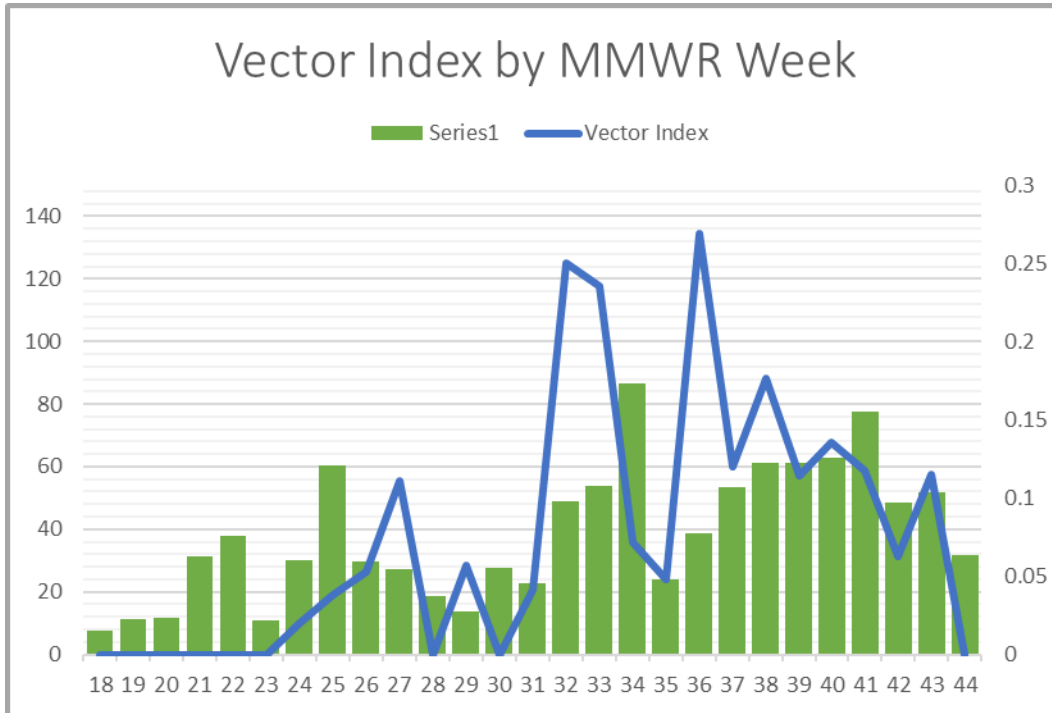
<sup>†</sup> Case is under review by the Department of State Health Services and Centers for Disease Control and Prevention. Case counts are subject to change as directed by state and federal authorities. For detailed information on case classifications, please visit <https://www.dshs.texas.gov/sites/default/files/IDCU/investigation/epi-case-criteria-guide/2024-ECCG.pdf>

## Vector Index for West Nile Virus

The Vector Index is calculated by multiplying the average number of mosquitoes collected per trap night by the proportion infected with West Nile Virus, and is expressed as the average number of infected mosquitoes collected per trap night in the area during the sampling period. (CDC) Vector Index can be used to alert public health officials of an increasing number of infected mosquitoes and the optimal time for early intervention.

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New WNV Cases:	Average Number of Mosquitos Per Pool:	Proportion Infected:	Vector Index:
0	31.6	0.00	0.0



## **Additional Resources**

For more information on West Nile and Arboviral surveillance please visit these helpful sites:

The Department of State Health Services Information: <https://www.dshs.texas.gov/mosquito-borne-diseases/west-nile-virus>

Centers for Disease Control and Prevention: <https://www.cdc.gov/west-nile-virus/index.html>

If you have any questions or comments regarding West Nile Virus or about this report, please contact:

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or

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**Epidemiologist**

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Collin County receives West Nile Virus activity reports from local municipalities voluntarily. It is recommended to contact municipalities directly for questions or concerns regarding a specific city/town.