



**2018 DSHS Arbovirus Activity Report
Week #31 (ending August 04, 2018)
Report Date: August 07, 2018**

Table 1. 2018 Arbovirus Activity Summary, Texas, Weeks 1-31

| Arbovirus | Positive Mosquito Pools | Avian | Equine | Sentinel Chicken | Human | | | | | | TOTAL |
|-----------------------------------|-------------------------|----------|----------|------------------|-----------------|--------------------|---------------|---------------|----------|------------------|------------|
| | | | | | Febrile Illness | Neurologic Illness | Severe Dengue | TOTAL (HUMAN) | Deaths | PVD ² | |
| California Serogroup ¹ | | | | | | 1 | | 1 | | | 1 |
| Chikungunya | | | | | 3 | | | 3 | | | 3 |
| Dengue | | | | | 1 | | | 1 | | | 1 |
| Eastern Equine Encephalitis | | | | | | | | 0 | | | 0 |
| St. Louis Encephalitis | | | | | | | | 0 | | | 0 |
| West Nile | 368 | | 1 | | 3 | 5 | | 8 | | 8 | 377 |
| Zika ³ | | | | | | | | 3 | | | 3 |
| TOTAL REPORTS | 368 | 0 | 1 | 0 | 7 | 6 | 0 | 16 | 0 | 8 | 385 |

¹California Serogroup includes California encephalitis, Jamestown Canyon, Keystone, La Crosse, snowshoe hare, and trivittatus viruses.

²PVD - Presumptive viremic blood donors are people who had no symptoms at the time of donating blood through a blood collection agency, but whose blood tested positive when screened for the presence of West Nile virus or Zika virus. Unless they meet the case reporting criteria, they are not counted as a case for official reporting purposes and are not included in the "Total" column.

³Zika disease cases

Table 2. 2018 Aedes-Associated Arbovirus Activity by County, Weeks 1-31

| County | CHIKV* | | DENV* | | ZIKV* | | | COUNTY TOTAL |
|-------------------------|--------|---|-------|---|-------|---|------|--------------|
| | M | H | M | H | M | H | PVD‡ | |
| Bell | | 1 | | | | | | 1 |
| Bexar | | | | 1 | | | | 1 |
| Collin | | 1 | | | | 1 | | 2 |
| Fort Bend | | 1 | | | | | | 1 |
| Williamson | | | | | | 2 | | 2 |
| Total Number of Reports | 0 | 3 | 0 | 1 | 0 | 3 | 0 | 7 |

M - mosquito H- human

CHIKV - Chikungunya Virus

DENV - Dengue Virus

ZIKV - Zika Virus

* All reported cases are imported.

‡PVDs are not included in the "County Total" column.

Table 3. 2018 Other Arbovirus Activity by County, Weeks 1-31

| County | CAL* | | EEEV | | | | SLEV | | | WNV | | | | | | | | COUNTY TOTAL |
|-------------------------|------|---|------|---|----|---|------|----|---|-----|---|---|----|-----|------|------|-------|--------------|
| | M | H | M | E | SC | H | M | SC | H | M | A | E | SC | H | | | | |
| | | | | | | | | | | | | | | WNF | WNND | PVD‡ | TOTAL | |
| Bell | | 1 | | | | | | | | | | | | | | | 0 | 1 |
| Collin | | | | | | | | | | 1 | | | | | | | 0 | 1 |
| Dallas | | | | | | | | | | 49 | | | | | 2 | | 2 | 51 |
| Denton | | | | | | | | | | 2 | | | | | | | 0 | 2 |
| El Paso | | | | | | | | | | 10 | | | | | | | 0 | 10 |
| Fort Bend | | | | | | | | | | 1 | | | | | | | 0 | 1 |
| Harris | | | | | | | | | | 163 | | 1 | | | 1 | 5 | 1 | 165 |
| Hidalgo | | | | | | | | | | | | | | 1 | | 1 | 1 | 1 |
| Jefferson | | | | | | | | | | 6 | | | | | | | 0 | 6 |
| Montgomery | | | | | | | | | | 71 | | | | | 1 | 1 | 1 | 72 |
| Orange | | | | | | | | | | | | | | 1 | | | 1 | 1 |
| Rockwall | | | | | | | | | | 1 | | | | | | | 0 | 1 |
| Tarrant | | | | | | | | | | 58 | | | | 1 | | | 1 | 59 |
| Travis | | | | | | | | | | 4 | | | | 1 | | | 1 | 5 |
| Wharton | | | | | | | | | | | | | | | | 1 | 0 | 0 |
| Williamson | | | | | | | | | | 2 | | | | | | | 0 | 2 |
| Total Number of Reports | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 368 | 0 | 1 | 0 | 3 | 5 | 8 | 8 | 378 |

M - mosquito A-avian E-equine SC- sentinel chicken H- human WNF - West Nile Fever WNND - West Nile Neuroinvasive Disease

CAL - California Serogroup Viruses

EEEV - Eastern Equine Encephalitis Virus

SLEV - St. Louis Encephalitis Virus

WNV - West Nile Virus

*Imported case of La Crosse

‡PVDs are not included in any of the "Total" columns.

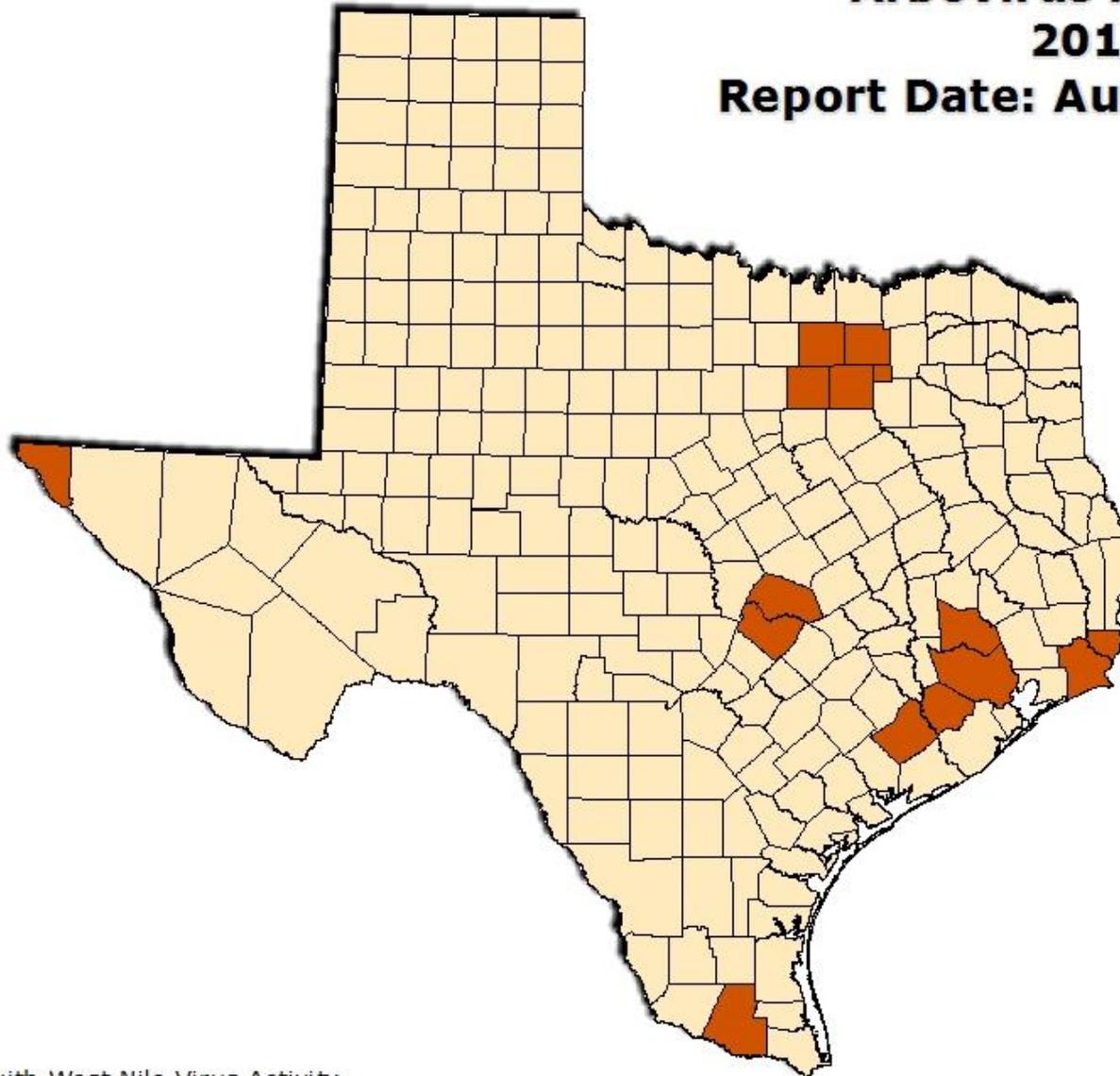
Figure 1. Texas Counties Reporting Arbovirus Activity, Week 1-31



TEXAS
Health and Human
Services

Texas Department of State
Health Services

Arbovirus Activity* 2018 Report Date: August 07, 2018



 County with West Nile Virus Activity

*Indicated by an arbovirus-positive bird, mosquito pool, sentinel chicken, horse, human or presumptive viremic donor (excludes imported cases of chikungunya, dengue, and Zika)



0 30 60 120 180 240 300 Miles

Figure 2. Epidemiologic Curve of Mosquito WNV Activity, 2016-2018

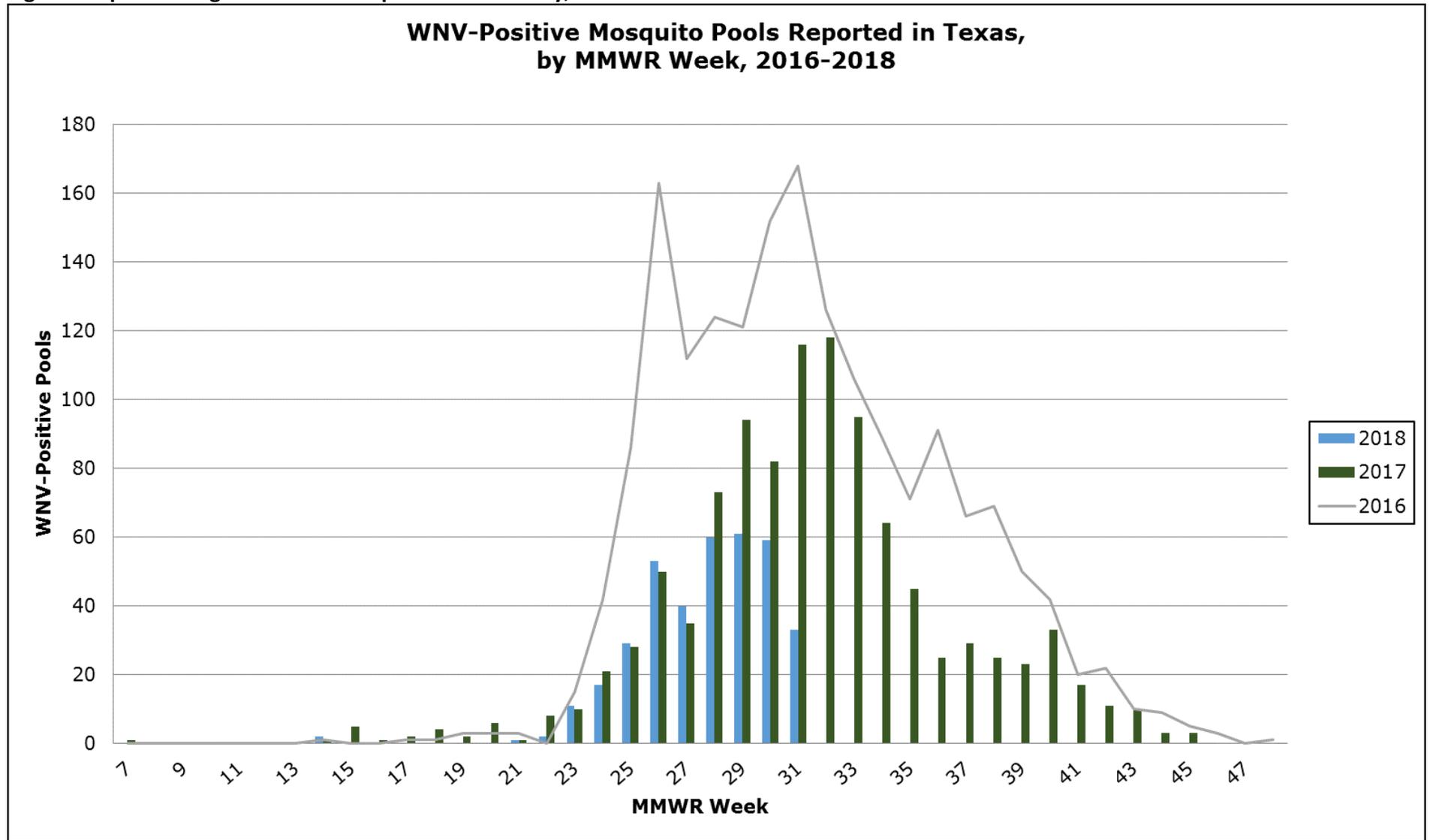


Figure 3. Epidemiologic Curve of Human WNV Activity, 2016-2018

