2019 DSHS Arbovirus Activity Report
Week #42 (ending October 19, 2019)
Report Date: October 22, 2019

Table 1. 2019 Arbovirus Activity Summary, Texas, Week 42

| Arbovirus | Positive Mosquito Pools* | Avian | Equine** | Sentinel Chicken | Human | | | | | | TOTAL |
					Febrile Illness	Neurologic Illness	Severe Dengue	TOTAL (HUMAN)	Deaths	PVD[2]	
California Serogroup[1]								0			0
Chikungunya					7			7			7
Dengue					31		1	32			32
Eastern Equine Encephalitis			6					0			6
St. Louis Encephalitis	9							0			9
West Nile	112	1	1		7	19		26	2	4	140
Zika								1			1
TOTAL REPORTS	**121**	**1**	**7**	**0**	**45**	**19**	**1**	**66**	**2**	**4**	**195**

[1]California Serogroup includes California encephalitis, Jamestown Canyon, Keystone, La Crosse, snowshoe hare, and trivittatus viruses.
[2]PVD - 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.
*Five mosquito pools were positive for both West Nile virus and St. Louis encephalitis virus and are represented twice in the totals.
**One equine was positive for both West Nile virus and eastern equine encephalitis virus and is represented twice in the totals.

Note: Human mortality from arboviral conditions is aggregated and reported monthly once documentation has been received and verified.
For more detailed information about West Nile virus, including past weekly and annual reports, please visit
http://www.dshs.texas.gov/idcu/disease/arboviral/westNile/
For more detailed information about Zika, please visit http://www.texaszika.org/

See https://wwwn.cdc.gov/nndss/downloads.html for more information about MMWR week calendars.

Table 2. 2019 _Aedes_-Associated Arbovirus Activity by County, Week 42

County	CHIKV*		DENV*		ZIKV*			COUNTY TOTAL
	M	H	M	H	M	H**	PVD‡	
Bexar				2				2
Brazoria				1				1
Cameron				1				1
Collin				2				2
Dallas		1		7				8
Fort Bend		1		2				3
Harris		1		5				6
Hays				1				1
Lubbock		2						2
McLennan				1				1
Montgomery				1				1
Nueces				1				1
Rusk				1				1
Tarrant		1		2				3
Travis		1		4				5
Williamson				1				1
Total Number of Reports	0	7	0	32	0	1	0	40

M - mosquito H- human

CHIKV - Chikungunya Virus

DENV - Dengue Virus

ZIKV - Zika Virus

* All reported cases are imported.

**County level data is not reported for conditions with <5 cases reported in a year.

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

Table 3. 2019 Other Arbovirus Activity by County, Week 42

County	CAL		EEEV				SLEV			WNV				H				COUNTY TOTAL
	M	H	M	E*	SC	H	M**	SC	H	M**	A	E*	SC	WNF	WNND	PVD‡	TOTAL	
Brazoria															1		1	1
Dallas							35								1		1	36
Denton							3										0	3
El Paso							8			12	1			3	13	4	16	37
Floyd														1			1	1
Hale															1		1	1
Harris							25								1		1	26
Lamb														1			1	1
Liberty				1													0	1
Lubbock							1			25					1		1	27
Lynn														1			1	1
Montgomery				1						2							0	3
Nolan															1		1	1
Orange				3								1					0	4
Smith				1													0	1
Tarrant										9				1			1	10
Taylor										1							0	1
Total Number of Reports	0	0	0	6	0	0	9	0	0	112	1	1	0	7	19	4	26	155

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

*One equine was positive for both WNV and EEEV and is represented twice in the totals.

**Five mosquito pools were positive for both WNV and SLEV and are represented twice in the totals.

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

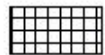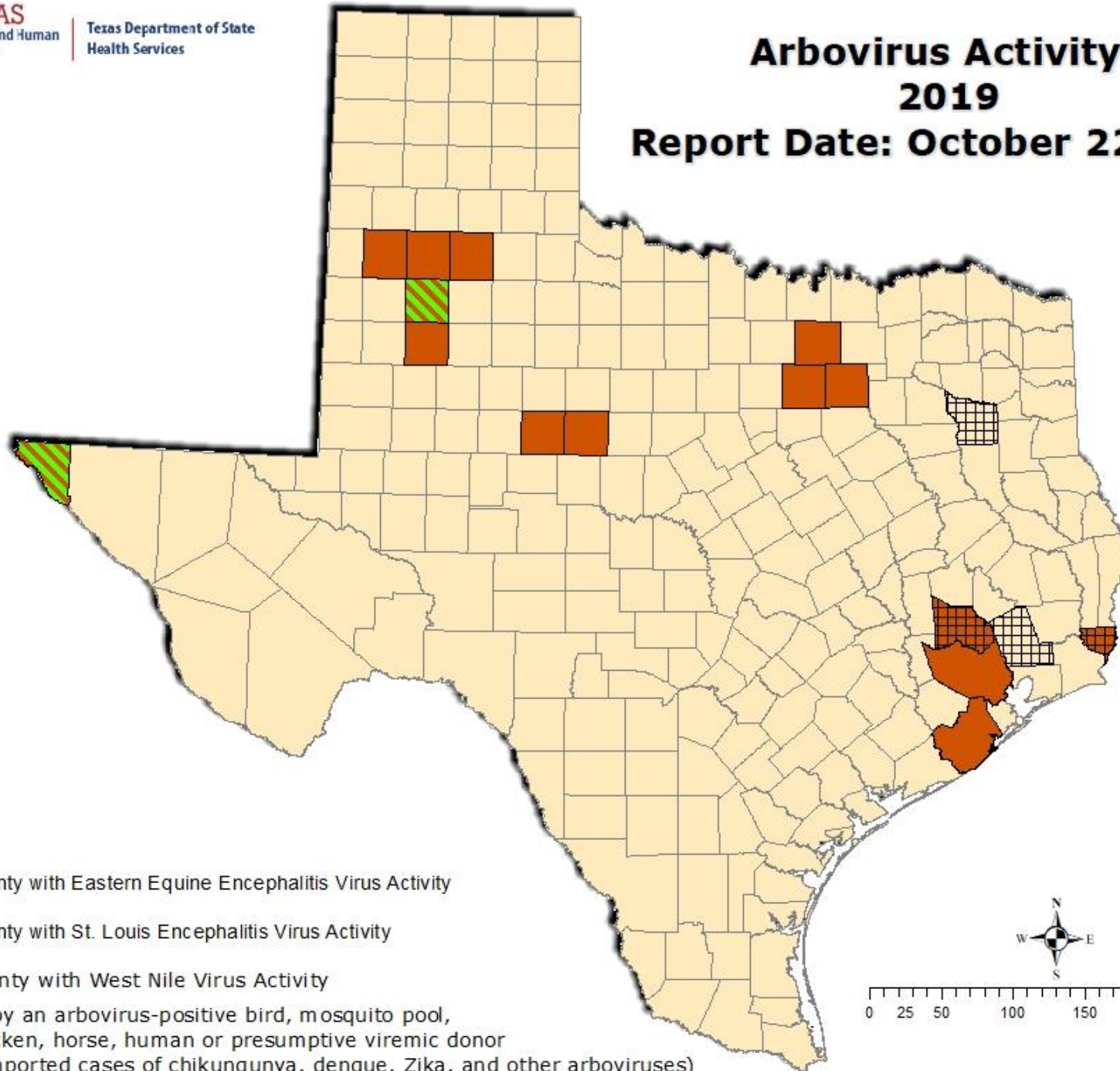**Figure 1. Texas Counties Reporting Arbovirus Activity, Week 42**

Arbovirus Activity*
2019
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Texas Health and Human Services | Texas Department of State Health Services

County with Eastern Equine Encephalitis Virus Activity

County with St. Louis Encephalitis Virus Activity

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, Zika, and other arboviruses)

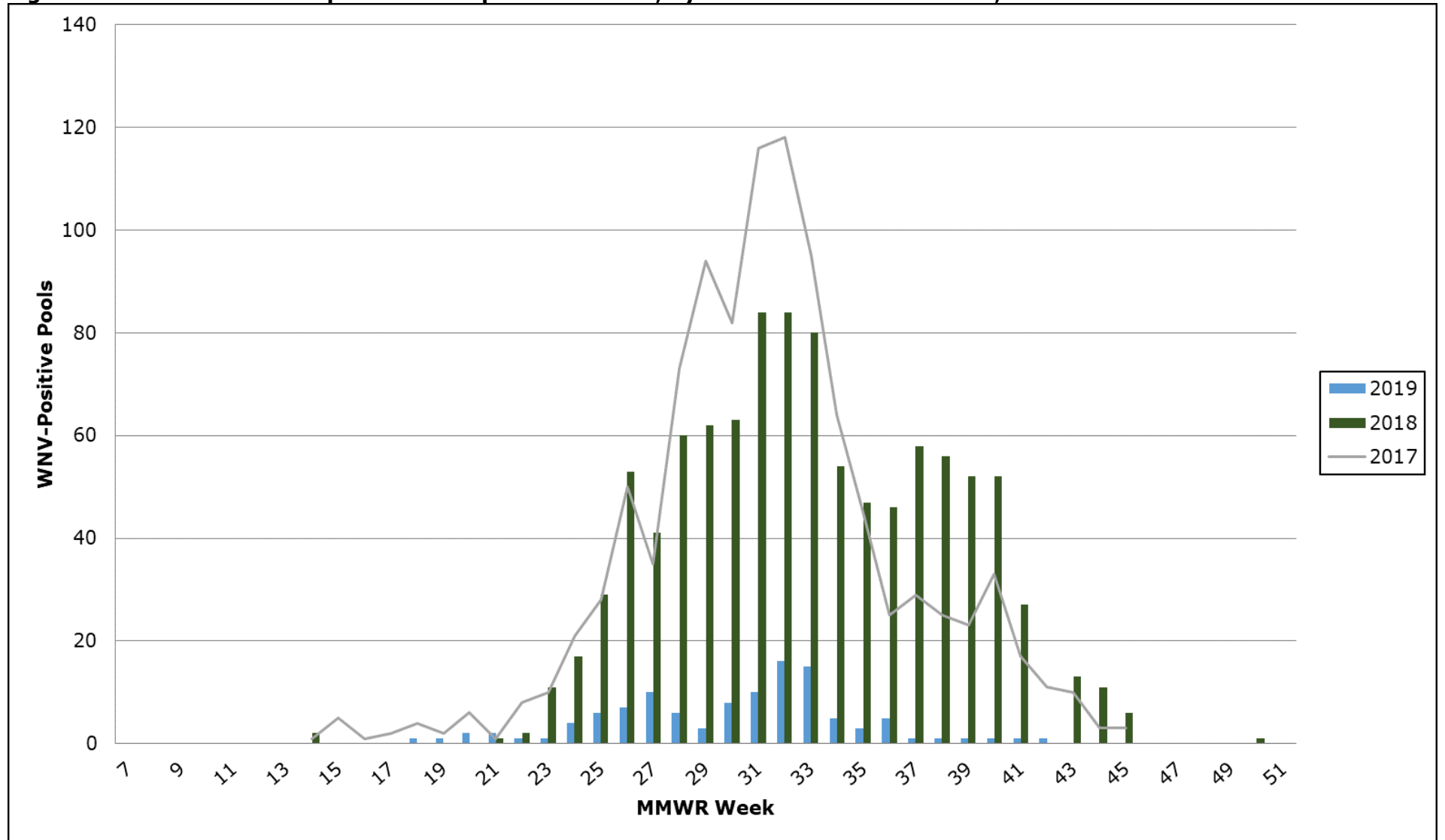**Figure 2. WNV-Positive Mosquito Pools Reported in Texas, by MMWR Week of collection, 2017-2019**

Figure 3. Human Cases of West Nile Virus Reported in Texas, by MMWR Week of Onset, 2017-2019