



2016 DSHS Arbovirus Activity Report
Week #52 (ending December 31, 2016)
Report Date: January 3, 2017

Table 1. 2016 Arbovirus Activity Summary, Texas, Weeks 1-52

Disease	Positive Mosquito Pools	Avian	Equine	Sentinel Chicken	Human						TOTAL
					Febrile Illness	Neurologic Illness	Severe Dengue	TOTAL (HUMAN)	Deaths	PVD ²	
California Serogroup ¹	2										2
Chikungunya					19			19			19
Dengue					42		1	43			43
Eastern Equine Encephalitis			7	26							33
St. Louis Encephalitis	1			2							3
West Nile	1775	5	135	17	112	235		347	16	46	2279
Zika ³										2	
TOTAL REPORTS	1778	5	142	45	173	235	1	409	16	46	2379

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.

³For weekly case counts and additional information related to Zika virus in humans, please visit www.texaszika.org.

Table 2. 2016 Arbovirus Activity by County, Weeks 1-52

County	CAL		CHIKV*		DENV*		EEEV				SLEV			WNV								COUNTY TOTAL
	M	H	M	H	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H				
																		WNF	WNND	PVD‡	TOTAL	
Anderson								1								1			1		1	3
Angelina																		2	5		7	7
Archer																1						1
Austin																3						3
Bastrop															1	2		2	3	1	5	8
Bell				1		1								2					2	1	2	6
Bexar				1		1								3					2	1	2	7
Bosque																			2		2	2
Bowie																5		2		1	2	7
Brazoria						2								18		2			3		3	25
Brazos																2		2		1	2	4
Brown						1												1	1		2	3
Burleson																2						2
Burnet						1										1						2
Caldwell																1						1
Callahan																			1		1	1
Cameron														1								1
Camp																1						1
Cass								1								2		2			2	5
Cherokee																3			1		1	4
Coke																1						1
Collin				3		3								89		1		10	12	1	22	118
Colorado																			1		1	1
Comanche																1						1

County	CAL		CHIKV*		DENV*		EEEV				SLEV			WNV							COUNTY TOTAL	
	M	H	M	H	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H				
																		WNF	WNND	PVD‡		TOTAL
Cooke														3		1						4
Coryell														1								1
Dallam																			1			
Dallas				3		7								703				21	38	2	59	772
Dawson																			1		1	1
Denton	2					2								78		3		10	10	3	20	105
Dimmit																			1		1	1
Eastland																1			1		1	2
Ector						1										1			1		1	3
El Paso														10	2			2	4		6	18
Ellis														31					3		3	34
Erath																4						4
Falls																			1		1	1
Fayette																2						2
Fort Bend				4		3								1					2	2	2	10
Franklin																2			1		1	3
Freestone																3		1	1		2	5
Gaines																			1		1	1
Galveston				1		1			26			2		3		1	17	1	5	2	6	57
Grayson														49		1		1	5		6	56
Gregg						1								4		1			4	1	4	10
Grimes																4			1		1	5
Guadalupe						1										1				1		2
Hale																		1			1	1
Hansford																			1		1	1

County	CAL		CHIKV*		DENV*		EEEV				SLEV			WNV							COUNTY TOTAL	
	M	H	M	H	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H				
																		WNF	WNND	PVD‡		TOTAL
Hamilton																		1			1	1
Harris				1		5								97	1	4		4	13	13	17	125
Harrison																1						1
Hays						1										1						2
Henderson																2			4		4	6
Hockley																		1	1		2	2
Hood																		2			2	2
Hopkins																3		2	2	1	4	7
Houston																1						1
Hunt														11		2		2	4	1	6	19
Irion																		1	1		2	2
Jasper																2						2
Jefferson						1								4				6			6	11
Johnson														15					5		5	20
Knox																			1		1	1
Lamar																1			2		2	3
Lavaca																1						1
Lee																1						1
Leon																1						1
Liberty																			2	1	2	2
Limestone																1			1		1	2
Lubbock						2								4				1			1	7
Madison																1						1
Matagorda																			1		1	1
McLennan				1		1										1		3	4		7	10
McMullen																1						1

County	CAL		CHIKV*		DENV*		EEEV				SLEV			WNV							COUNTY TOTAL		
	M	H	M	H	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H					
																		WNF	WNND	PVD‡		TOTAL	
Montgomery														2		4		2	8	1	10	16	
Morris																3						3	
Nacogdoches																3			2			2	5
Navarro																1		1	4			5	6
Newton																			1			1	1
Nueces						1					1			24					5			5	31
Orange								1						4				1		1		1	6
Palo Pinto																1			2			2	3
Parker																1			2			2	3
Pecos																			1			1	1
Polk																1			2			2	3
Presidio																			1			1	1
Rains																			1			1	1
Randall																1		1				1	2
Red River																			1	1		1	1
Robertson																2							2
Rockwall														21		1			1			1	23
Runnels																			1			1	1
Rusk																			2			2	2
San Jacinto																3							3
Shelby																1							1
Smith								3						5	1	5		1	4	1		5	19
Stonewall																1							1
Tarrant				2		2								559		2		15	29	4		44	609
Taylor																1							1
Throckmorton																1							1

County	CAL		CHIKV*		DENV*		EEEV				SLEV			WNV							COUNTY TOTAL	
	M	H	M	H	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H				
																		WNF	WNND	PVD‡		TOTAL
Titus																2		1		1	1	3
Tom Green																1						1
Travis				1		4								15		1		3			3	24
Trinity																2		1			1	3
Tyler								1														1
Upshur																3			1	1	1	4
Van Zandt																2		2	3		5	7
Victoria																1						1
Waller																7			2		2	9
Washington																3				1		3
Webb														4								4
Wharton																			1	1	1	1
Wichita														2		1						3
Williamson				1		1								12		1			2		2	17
Wilson																			1		1	1
Wise																			1		1	1
Wood																1		3	1		4	5
Total Number of Reports	2	0	0	19	0	43	0	7	26	0	1	2	0	1775	5	135	17	112	235	46	347	2379

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

CAL - California Serogroup Viruses

CHIKV - Chikungunya Virus

DENV - Dengue Virus

EEEV - Eastern Equine Encephalitis Virus

SLEV - St. Louis Encephalitis Virus

WNV - West Nile Virus

*All reported cases are imported.

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

Figure 1. Texas Counties Reporting any Arbovirus Activity, Weeks 1-52

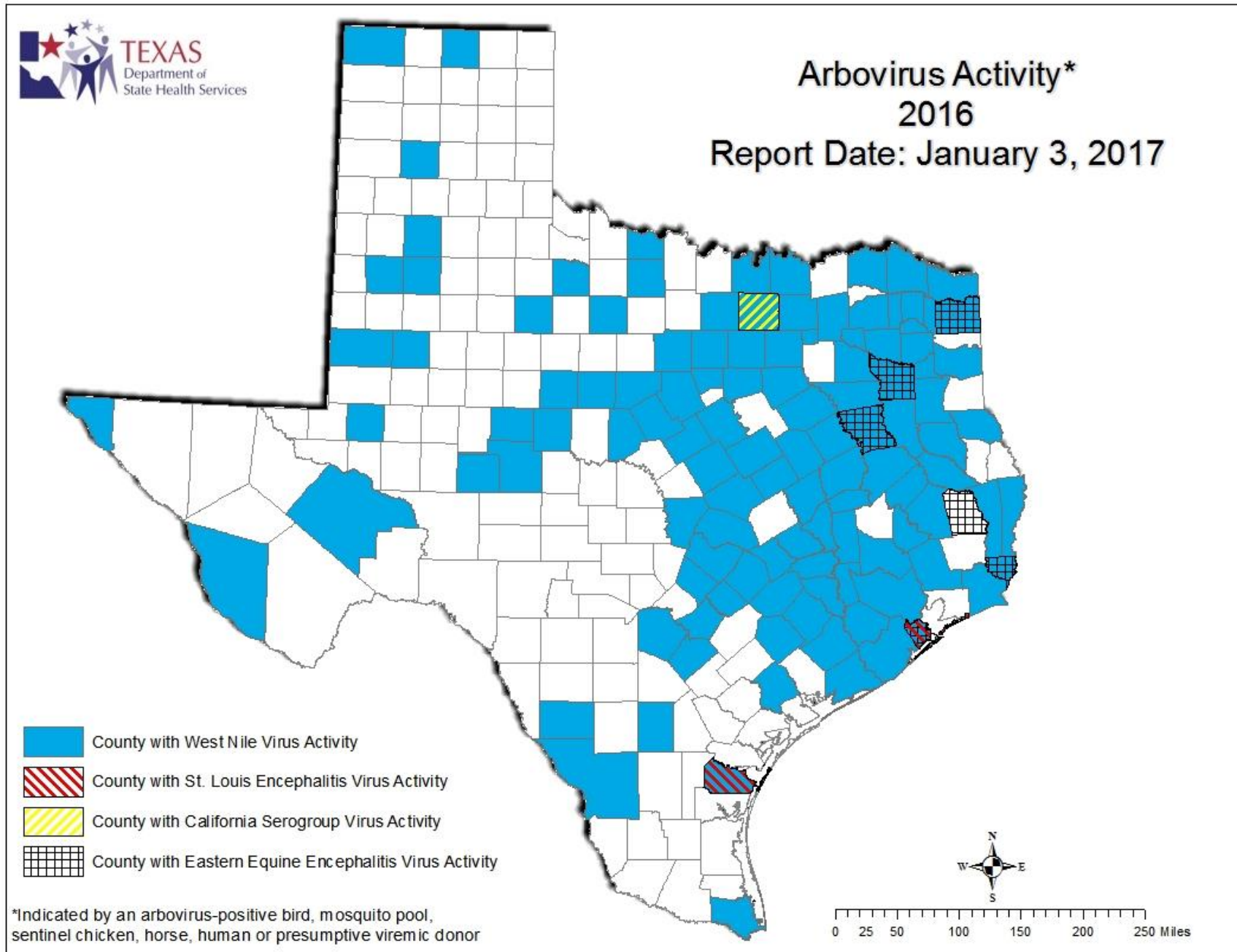


Figure 2. Epidemiologic Curve of Mosquito WNV Activity, 2014-2016

WNV-Positive Mosquito Pools Reported in Texas, by MMWR Week, 2014-2016

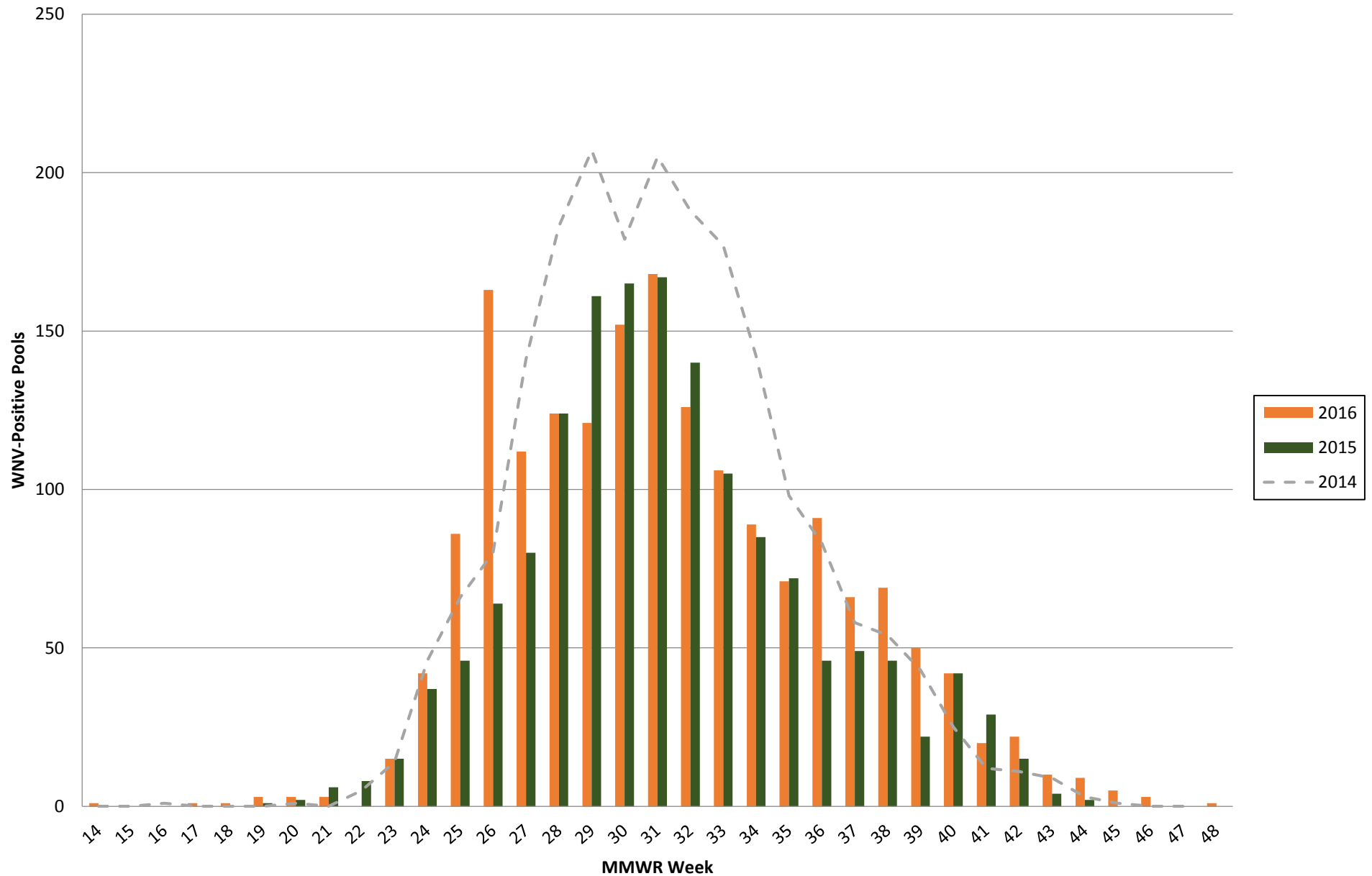


Figure 3. Epidemiologic Curve of Human WNV Activity, 2014-2016

