



Caddo Parish

Animal Services & Mosquito Control

West Nile/Zika Virus Briefing

As of: 5 Oct 2017

The Different Types of West Nile

- ▶ There are three different types of the virus tracked independently.
 - Neuro–invasive
 - Fever
 - Asymptomatic
- ▶ The Neuro–invasive disease is the more serious form of the virus that infects the brain and spinal cord and can cause brain damage or death.

Louisiana Totals for Current & Previous Years

Total Human WNV Clinical Presentation by Year																	
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
NID Cases	204	101	84	118	91	27	19	11	20	6	160	34	61	41	37	29	1043
Fever	124	23	24	54	89	13	30	10	7	4	191	24	59	10	20	6	688
Asymptomatic	0	4	7	16	22	10	9	8	7	2	46	4	20	18	7	4	184
Proportion of NID	0.62	0.81	0.78	0.69	0.51	0.68	0.39	0.52	0.74	0.60	0.46	0.59	0.51	0.80	0.65	0.83	
Deaths	24	7	7	11	9	2	1	0	0	0	21	4	12	5	2	3	
Total Disease	328	128	115	188	202	50	58	29	34	12	397	62	140	69	64	39	

Source: LA Department Health & Hospitals (as of: 5 Oct 2017)

WNV Statistics 2002 – Present

Year	U.S. Cases	U. S. Deaths	LA Cases	LA Deaths
2002	4,156	284	328	24
2003	9,862	264	128	7
2004	2,539	100	115	7
2005	3,000	119	188	11
2006	4,269	177	202	9
2007	3,630	124	50	2
2008	1,356	44	58	1
2009	720	32	29	0
2010	1,021	57	34	0
2011	712	43	12	0
2012	5,674	286	397	21
2013	2,469	119	58	4
2014	2,205	97	140	12
2015	2,175	146	51	5
2016	2,038	94	40	1
2017	741	56	37	3

Source: U.S. Center for Disease Control *for all 3 types*

Statistics by LA Parish

- Total of 1 case for Caddo Parish

Arbovirus by Parish

Data from CDC Week: 37 From: 01/01/2017-09/16/2017

Parish	M	A	E	WNV			SLE			EEE			CAL	
				Human			M	A	E	Human	M	A	E	Human
				NID	F	PRE								
Acadia														
Allen	13			1			1							
Ascension	7						0							
Assumption				1			1							
Beauregard							0							
Bossier	6			2		1	3							
Caddo	18			4			4							
Calcasieu	2						0							
Concordia				1			1							
DeSoto						1	1							
East Baton Rouge	114	8		4	1		5							
East Feliciana							0							
Evangeline							0							
Franklin					1		1							
Iberia	2			1			1							
Iberville							0						1	
Jackson					1		1							
Jefferson	1	6					0							
Jefferson Davis							0							
Lafourche							0					1		
Lafayette	2						0							
Lasalle				1			1							
Lincoln	1			2			2							
Livingston				1		1	2							
Morehouse				1			1							
Orleans	6						0							
Ouachita	53			1			1							
Plaquemines							0							
Rapides				7	1	1	9							
St. Bernard							0							
St. Charles	7	13					0							
St. James	1						0							
St. John	3						0							
St. Landry							0							
St. Martin	6	13					0							
St. Mary		3					0							
St. Tammany	41			1	2		3							
Tangipahoa	8						0							
Vernon							0							
Washington				1			1							
West Baton Rouge	104						0							
West Feliciana							0							
Total	395	43	0	29	6	4	39	0	0	0	0	0	2	0

CAL = California serogroup viruses (including La Crosse)
 EEE = Eastern Equine Encephalitis virus
 SLE = St. Louis Encephalitis virus
 WEE = Western Equine Encephalitis virus
 WNV = West Nile virus

M = Mosquito
 A = Avian
 E = Equine

All human and equine case tallies are reported by the case's parish of residence, not the parish where the exposure occurred.

WNV Cases in States Surrounding LA

State	Neuro-invasive Disease Cases†	Non-neuro-invasive Disease Cases	Total cases	Deaths	Presumptive viremic blood donors‡
Arkansas	11	3	14	3	6
Mississippi	42	15	57	2	3
Texas	56	36	92	3	12

Source: U.S. Center for Disease Control *for all 3 types*
As of: 5 October 2017

Neuro-invasive type Compared to Previous Years

WNV-NID Cases by CDC Week by Year																	
	Week	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Jan	1																
	3																
	7																
March	10																
	13																
	17																1
May	19																0
	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	25	2	2	0	0	0	0	0	1	0	0	1	0	0	0	0	0
July	26	11	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0
	27	6	3	3	4	1	0	0	2	3	0	3	0	0	1	0	5
	28	9	5	2	5	4	0	0	0	0	1	15	1	3	2	2	0
	29	23	5	2	13	5	0	0	1	1	1	11	0	7	1	2	7
August	30	23	8	8	8	6	0	2	1	2	0	13	1	9	2	0	1
	31	21	10	5	21	7	1	1	0	0	0	17	3	3	5	2	1
	32	24	7	15	11	14	3	2	1	1	1	18	3	4	4	6	5
	33	21	8	7	9	13	2	1	2	1	0	16	7	9	4	0	1
	34	14	6	3	8	7	2	3	1	2	0	14	6	6	5	2	4
September	35	8	6	5	6	6	5	3	0	3	1	12	2	3	5	1	2
	36	13	4	5	8	9	3	2	0	1	1	4	2	8	1	1	0
	37	8	9	3	9	6	3	0	1	2	1	7	3	2	4	1	1
	38	6	4	4	2	3	1	0	0	1	0	4	0	4	0	1	0
	39	3	2	5	4	4	1	0	0	0	0	4	1	2	1	1	0
October	40	3	4	5	4	1	3	3	0	1	0	7	3	1	0	4	0
	41	3	2	4	3	1	0	0	0	0	0	2	1	0	0	4	0
	42	3	1	2	3	1	0	0	0	0	0	1	1	0	3	0	0
	43	0	2	0	0	0	3	0	0	0	0	3	0	0	1	2	0
	44	0	4	0	0	1	0	0	0	0	0	3	0	0	0	1	0
November	45	0	2	2	0	0	0	1	0	0	0	0	0	0	0	1	0
	46	0	1	1	0	0	0	0	0	0	0	1	0	0	0	1	0
	47	1	1	2	0	1	0	1	0	0	0	1	0	0	1	3	0
	48	0	2	1	0	0	0	0	0	2	0	1	0	0	0	2	0
December	49	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NID Total		204	101	84	118	91	27	19	11	20	6	160	34	61	41	37

Zika: US Summary

January 1, 2015 – September 27, 2017

US States

- 5,517 symptomatic Zika virus disease cases reported*
 - 5,242 cases in travelers returning from affected areas
 - 225 cases acquired through presumed local mosquito-borne transmission
 - 50 cases acquired through other routes, including sexual transmission (N=48), laboratory transmission (N=1), and person-to-person through an unknown route (N=1)

Zika Statistics 2015 – Present

Year	U.S. Cases	LA Cases
2015	61	0
2016	5,102	38
2017	278	1

Source: U.S. Center for Disease Control

Zika Louisiana Summary

ZIKV in Louisiana	
Locally acquired mosquito-borne cases:	0
Travel-associated disease cases:	1 ^a
Travel-associated asymptomatic infections:	2 ^b
Sexually transmitted	0
Guillain-Barre Syndrome	0
Statewide Total	3

ZIKA by Parish

Parish	ZIKV	CHIKV	DENV
Orleans	1	0	0
Jefferson	2	0	0
St. Tammany	0	0	1
Statewide Total	3	0	1

ZIKV = Zika Virus

Fight the Bite

▶ Protect Yourself

- ▶ Wear a mosquito repellent containing DEET.
- ▶ Wear long-sleeved shirts and pants when outdoors .
- ▶ Avoid perfumes and colognes when outdoors.
- ▶ Close windows and doors.

▶ Mosquito Population Control

- ▶ Eliminate standing water around your home.
 - ▶ Eliminate or turn over unnecessary containers.
 - ▶ Drill holes in the bottom of outdoor containers.
 - ▶ Clean clogged roof gutters.
 - ▶ Clean and chlorinate swimming pools.
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