



**Austin/Travis County Health and Human Services Department  
Epidemiology and Health Statistics Unit**



**Travis County Epidemiological Summary of West Nile Virus Cases in Humans<sup>1</sup>**

**2012 West Nile Virus Case Counts**

Total	153	100.0%
West Nile Encephalitis	61	39.9%
West Nile Fever (WNF)	92	60.1%

**Gender Distribution**

Male	92	60.1%
Female	61	39.9%

**Hospitalizations**

Total Hospitalizations	73	100.0%
WNND Hospitalizations	56	76.7%
WNF Hospitalizations	17	23.3%

**Fatalities**

<b>Case Fatality Rate</b>	6	3.9%
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**Age Distribution**

Under 1 Year	0	0.0%
1-3 Years	0	0.0%
4-8 Years	0	0.0%
9-14 Years	2	1.3%
15-24 Years	5	3.3%
25-34 Years	18	11.8%
35-44 Years	25	16.3%
45-54 Years	26	17.0%
55-64 Years	33	21.6%
65 Years and Older	44	28.8%

**Median Age**

55 Years

**Age Range**

11 Years - 91 Years

Data presented in this report includes both confirmed and probable cases of West Nile Fever and Encephalitis reported in Travis County. This report only includes cases in which investigations are complete; any pending reports and investigations for West Nile Virus are not included. All data for 2012 is preliminary. Data for 2012 provided for this report was generated on January 9, 2013 and historical data was generated on August 8, 2012. Data in this report may differ slightly from other published reports; be aware of the date the data is generated.



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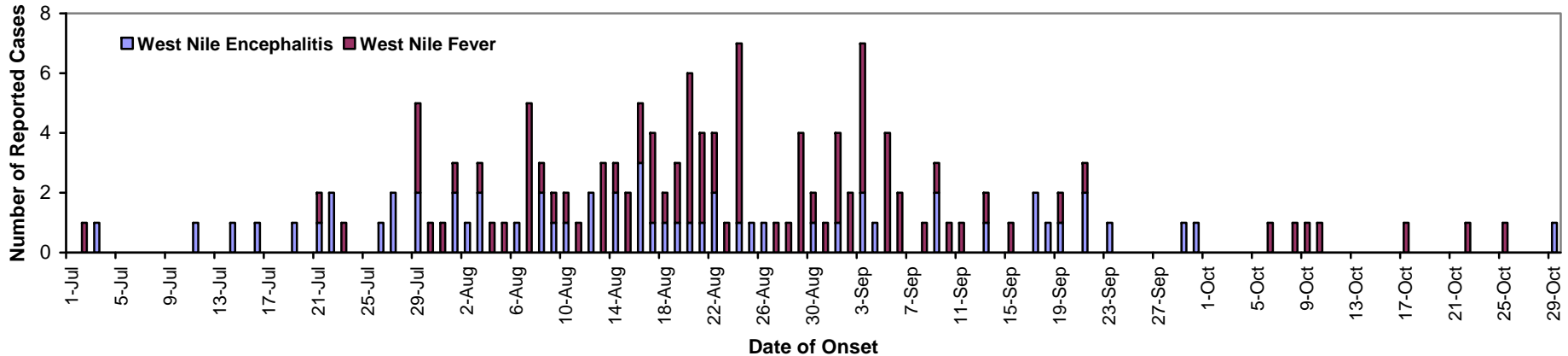
Until July of this year, Travis County had not had any reported cases of West Nile Virus (WNV) in humans since 2008 with the last reported WNV fatalities in 2007 (Figure 3 and Table 1). Since July, the ATCHHSD Epidemiology and Health Statistics Unit has investigated 153 reported confirmed and probable cases of WNV including six deaths with a mean age of 74.2 years. Reported cases of WNV began feeling ill as early as July 2<sup>nd</sup> and as recently as October 29<sup>th</sup> (Figure 1). The number of WNV cases reported in 2012 is the highest it has been since the introduction of WNV to Travis County in 2002 (Figure 3). Approximately 58% (n=88) of the reported cases of West Nile Virus in Travis County occur among individuals over 50 years of age (Figure 5), and approximately 60% are males (n=92), which is consistent with historical and national trends.

Human cases are dispersed across Travis County. However there does appear to be a concentration of cases that reside to the west of the IH 35 corridor (Map 1) and in the Southern portion of the City of Austin. It is important to note that the location in which individuals are bitten by an infected mosquito is unknown. The map is based on the case's place of residence at the time of the report, and also represents confirmed West Nile Virus activity in mosquitos. Mosquito surveillance, which is performed by the ATCHHSD Environmental Health Services Division, Rodent and Vector Control Unit, indicates an [active 2012 mosquito season](#) with West Nile Virus activity confirmed in mosquitos throughout Travis County.

Arbovirus surveillance indicates a downward trend in positive mosquito pools. DSHS reported one additional positive mosquito pool for Travis County collected the week of October 22<sup>nd</sup> – 26<sup>th</sup>, bringing the total number of positive pools to 128 for 2012.

According to the Texas Department of State Health Services Health Services Region 7 Zoonosis Control Program, as of November 2<sup>nd</sup>, 2012, three horses in Travis County have tested positive for West Nile Virus.

**Figure 1. 2012 Travis County West Nile Virus EPI Curve: Reported Cases by Onset Date<sup>1,2</sup>**



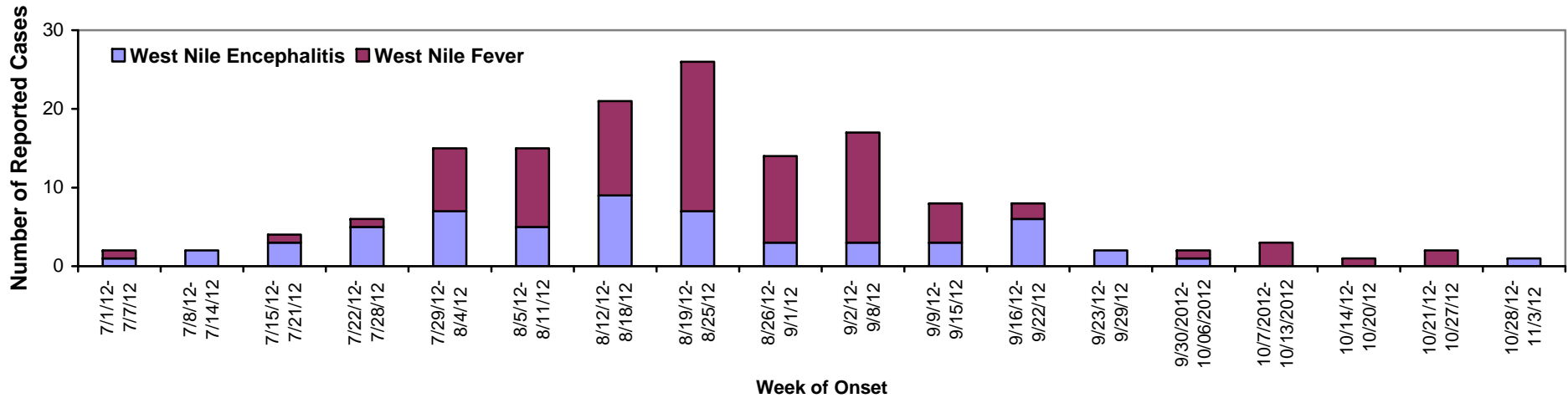
Data Source: Texas Department of State Health Services Zoonosis Control Branch  
Austin/Travis County Health and Human Services Department Epidemiology and Health Statistics Unit - National Electronic Disease Surveillance System (NEDSS)  
Austin/Travis County Health and Human Services Department Environmental Health Services Division Rodent and Vector Control Unit



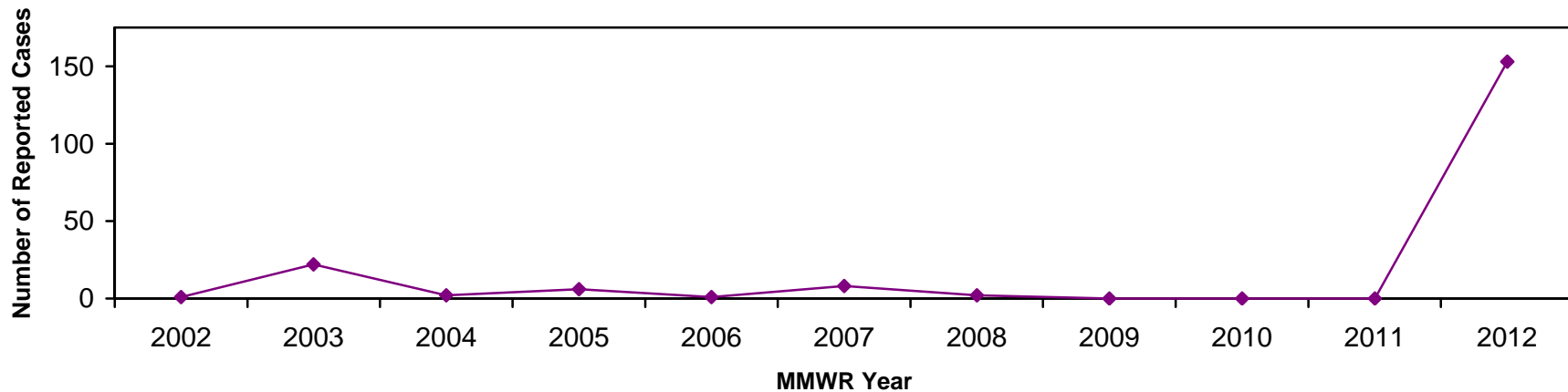
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**Figure 2. 2012 Travis County West Nile Virus EPI Curve: Reported Cases by Week of Onset<sup>1,2</sup>**



**Figure 3. 2002 - 2012 Travis County Reported Cases of West Nile Virus by Year<sup>1,3</sup>**



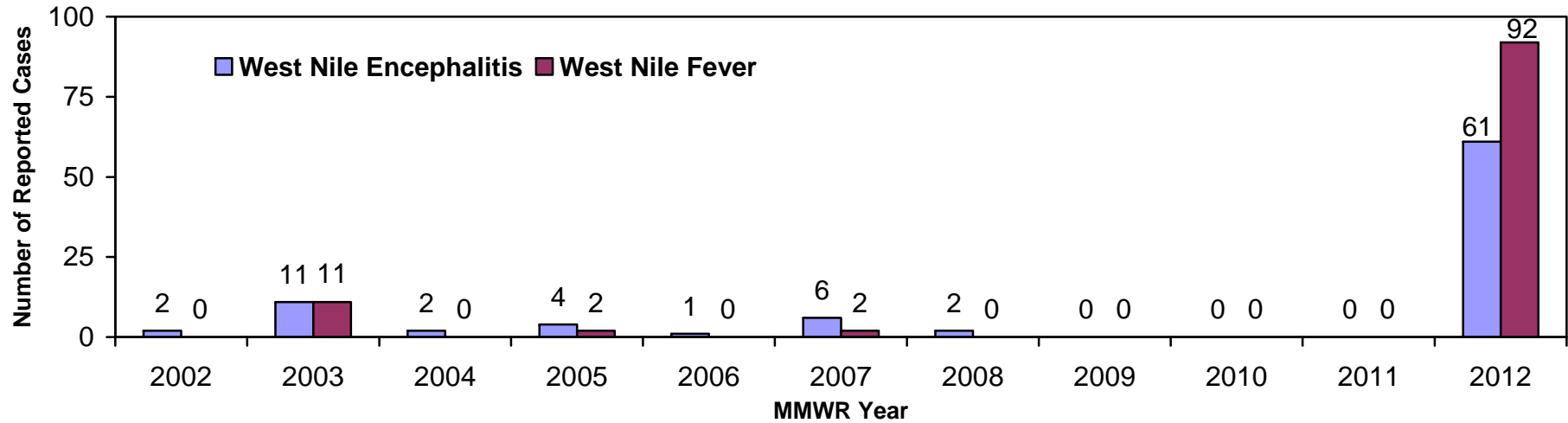
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**Figure 4. 2002 – 2012 Travis County Reported Cases of West Nile Virus by Year<sup>1,2</sup>**



**Table 1. 2002 -2011 Travis County Reported Cases of West Nile Virus<sup>2</sup>**

Year	Total Reported Cases	West Nile Fever	West Nile Neuroinvasive Disease	Number of Hospitalizations	Percent of Hospitalizations	Imported	Fatalities	Case Fatality Rate
2002	1	0	1	1	100.0	0	0	0.0%
2003	22	11	11	14	63.6	0	1	4.5%
2004	2	0	2	2	100.0	0	0	0.0%
2005	6	2	4	3	50.0	0	0	0.0%
2006	1	0	1	1	100.0	0	0	0.0%
2007	8	2	6	2	25.0	0	2	25.0%
2008	2	0	2	2	100.0	0	0	0.0%
2009	0	0	0	0	0.0	0	0	0.0%
2010	0	0	0	0	0.0	0	0	0.0%
2011	0	0	0	0	0.0	0	0	0.0%

Data Source: Texas Department of State Health Services Zoonosis Control Branch

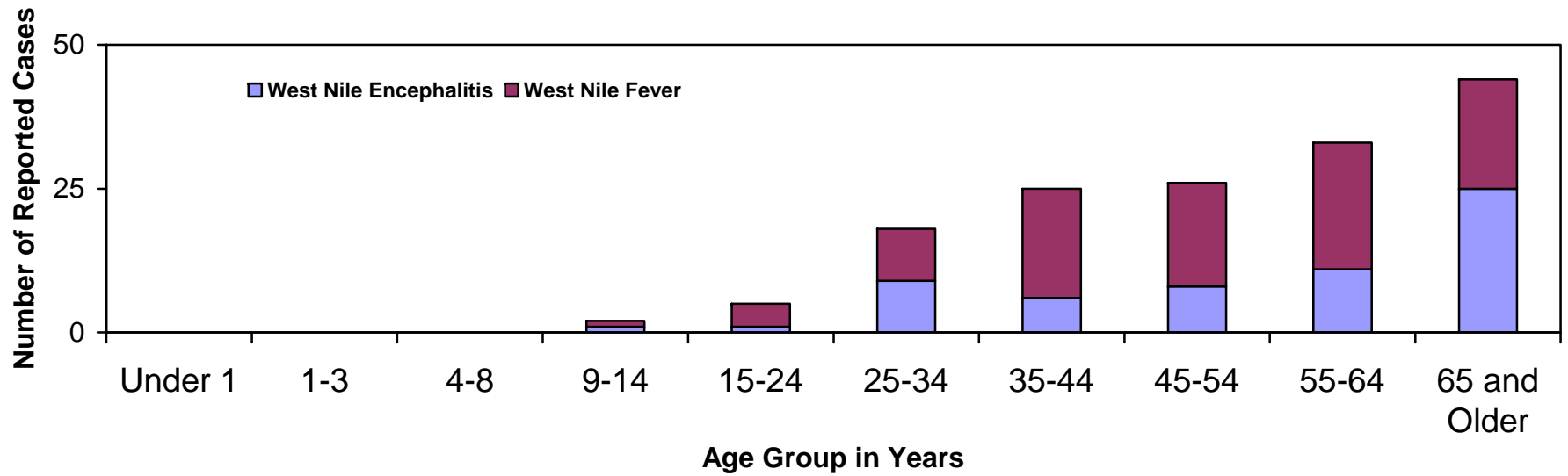
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Figure 5. 2012 Travis County Reported Cases of West Nile Virus by Age Group<sup>1,2</sup>



Data Source: Texas Department of State Health Services Zoonosis Control Branch  
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### RESOURCES

For additional information about West Nile Virus:

[City of Austin West Nile Virus](#)

[Texas Department of State Health Services West Nile Virus](#)

[CDC West Nile Virus](#)

For additional information about how to protect from West Nile Virus:

[Mosquito Season: Take Steps to Avoid Exposure](#)

For additional Information about Mosquito Control in Travis County:

<http://www.austintexas.gov/department/vector-control>

For additional Information on Arbovirus Surveillance Maps:

[Travis County West Nile Virus Confirmed Mosquito Activity 10-12-12](#)

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<sup>1</sup> Data provided for 2012 is preliminary data. The 2012 data provided in this report is from A/TCHHSD Epidemiology and Health Statistics Unit - National Electronic Disease Surveillance System (NEDSS) and was generated on January 9, 2013.

<sup>2</sup> The date of onset is not available for four West Nile cases and consequently is not included in this graph.

<sup>3</sup> Data provided for the years 2002-2011 was provided by Texas Department of State Health Services Zoonosis Control Branch and was generated on August 8, 2012.