

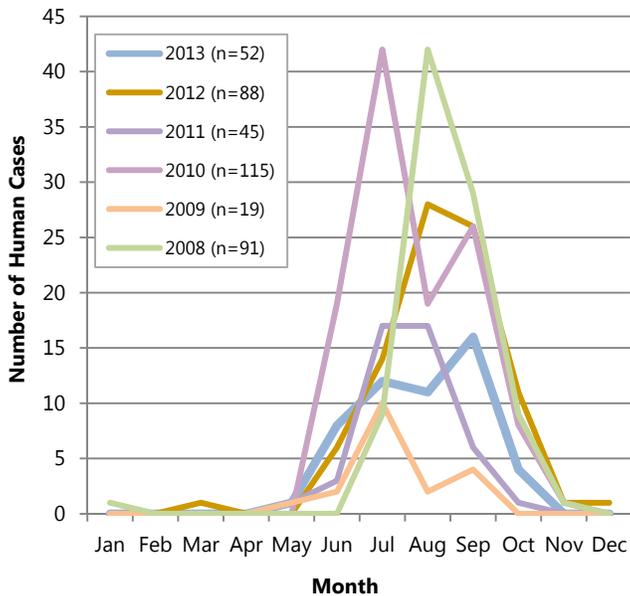
West Nile virus (WNV) arrived in Arizona in 2003 and is now endemic in Maricopa County. The Maricopa County Department of Public Health (MCDPH) Office of Epidemiology collaborates with the Maricopa County Department of Environmental Services (MCDES) Office of Vector Control to identify and monitor areas of WNV activity. This report describes trends in human infections during 2013. Please visit <http://www.maricopa.gov/wnv/> for more information about WNV.

### Characteristics of Human WNV Infections: Maricopa County, 2013

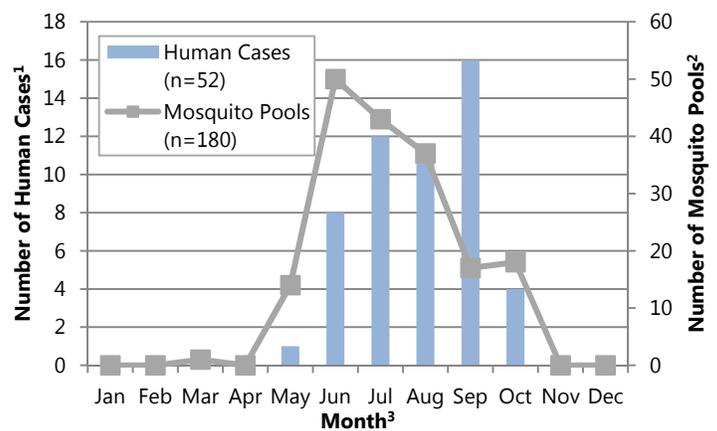
Year Total*	Non-neuroinvasive	Neuroinvasive	Hospitalized	Deaths	Demographics		
					Gender M/F	Median Age (Range)	Race/Ethnicity
52	8 =Fever 1 =Fever in donor	25 =Encephalitis 16 =Meningitis 2 =Paralysis	43 =Neuroinvasive 3 =Non-neuroinvasive	6	29/23	58 (17-93)	40 =White, Non-Hispanic 6 =Hispanic or Latino 1 =Black, Non-Hispanic 1 =Other, Non-Hispanic 4 =Unknown

\*Viremic donors who do not become symptomatic (3) are not included in year total

#### Human Cases of WNV in Maricopa County by Month of Onset, 2008-2013

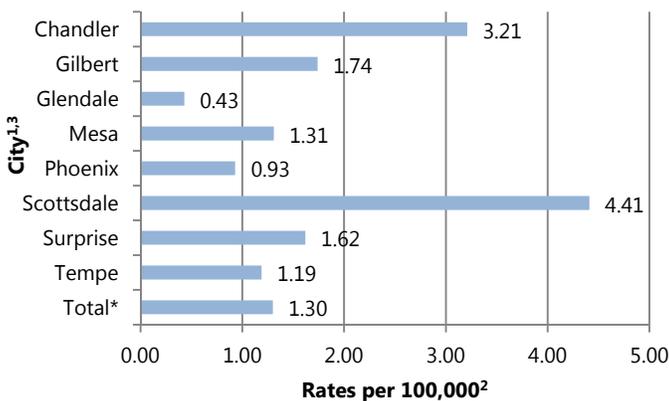


#### WNV Cases in Humans and WNV Positive Mosquito Pools in Maricopa County by Month, 2013



<sup>1</sup> A human case is an individual infected with WNV and with a clinically compatible illness  
<sup>2</sup> Mosquito pools are a collection of mosquitoes collected by MCDES from a county trap and tested positive for WNV  
<sup>3</sup> Human data are based on date of symptom onset, mosquito data are based on date of mosquito collection

#### Rates of Human WNV Cases in Maricopa County By City, 2013



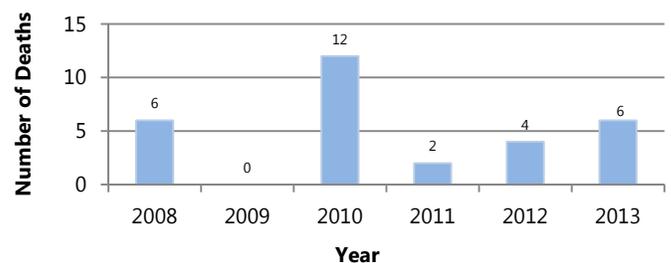
<sup>1,3</sup> Population statistics for each city were obtained from United States Census Bureau 2013 Population Estimates

<sup>2</sup> Rate per 100,000 population = (N/population) \* 100,000

<sup>3</sup> Rates for cities with ≥ 100,000 populations shown

\* Total includes cities displayed in figure, as well as other cities and unincorporated areas with populations <100,000

#### WNV Deaths in Maricopa County, 2008-2013



#### WNV Mortality Description 2013

Confirmed Deaths	Clinical Presentation	Median Age (Range)	Gender M/F	Race/Ethnicity
6	5 =Encephalitis 1 =Paralysis	77 (66-89)	3/3	6 =White, Non-Hispanic or Latino

Mean age of West Nile Virus survivors (53 years) versus deaths (77 years) was statistically significant for 2013 ( $\alpha=0.05$ ).