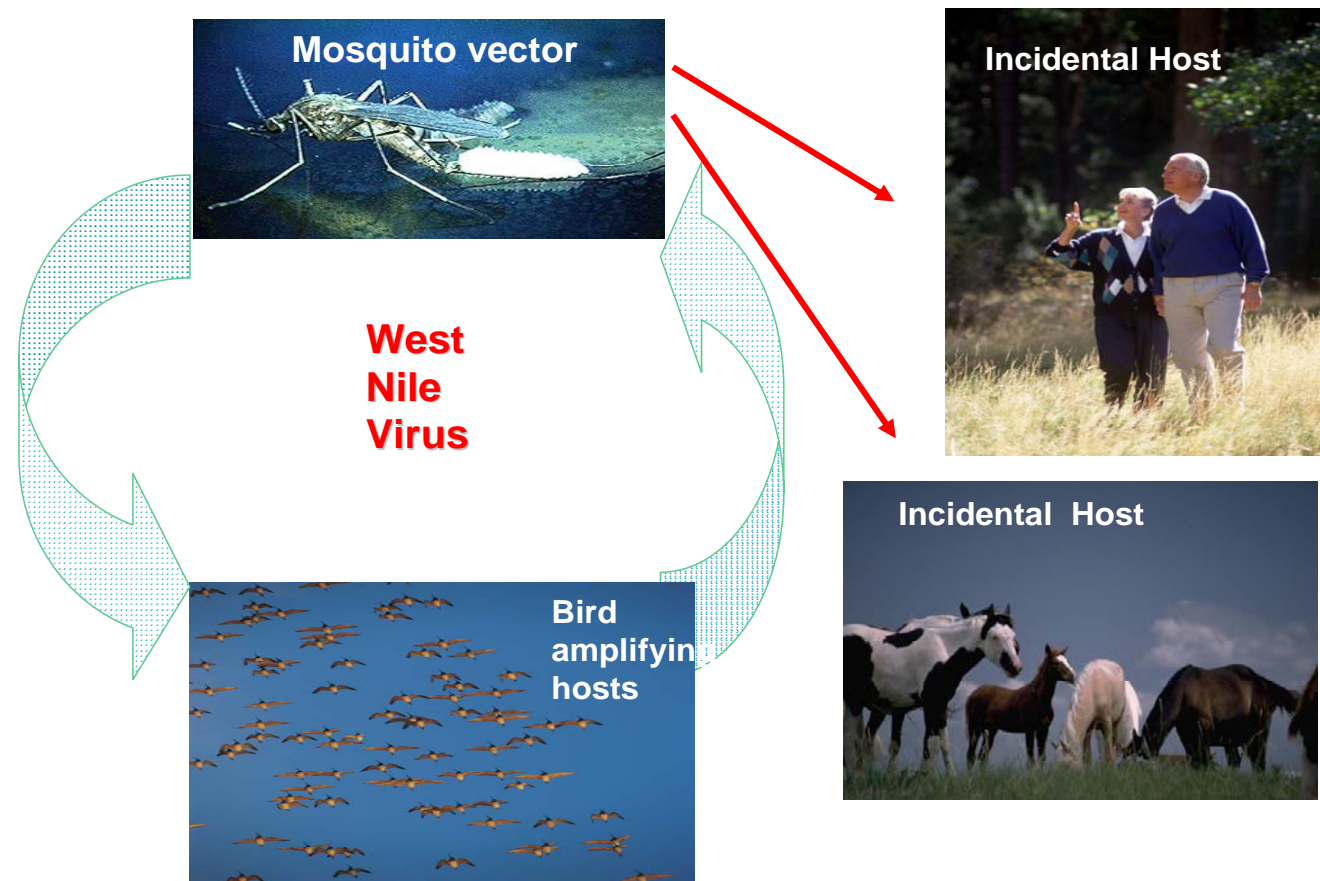


# WEST NILE VIRUS IN EL PASO COUNTY 2007

## West Nile Virus Transmission Cycle

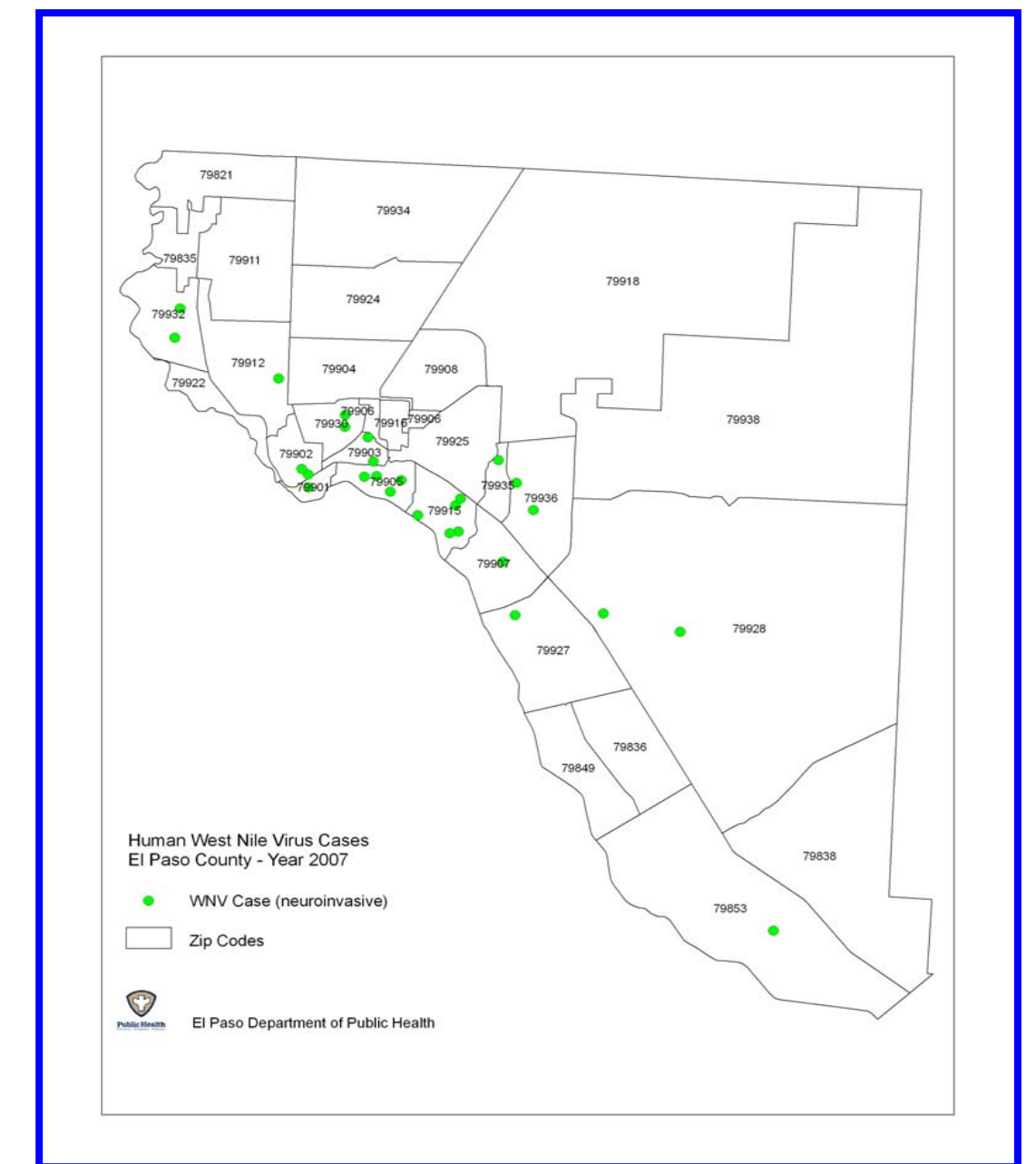


## West Nile Virus (n=27) El Paso County, 2007

	Gender		Ethnicity		Age			
	Cases	Rate	Cases	Rate	Cases	Rate		
Male	15	4.1	Hispanic	23	3.8	under 5	0	0.0
Female	12	3.1	Non-Hispanic	4	3.0	5 to 9	2	3.4
						10 to 14	0	0.0
						15 to 19	0	0.0
						20 to 24	1	1.6
						25 to 34	2	1.7
						35 to 44	1	1
						45 to 54	5	6
						55 to 59	7	12
						60 to 64	9	12.5

Rate per 100,000 population

DSHS Center for Health Statistics projected 2007 El Paso population data <http://www.dshs.state.tx.us/chs/popdat/detailX.shtm>

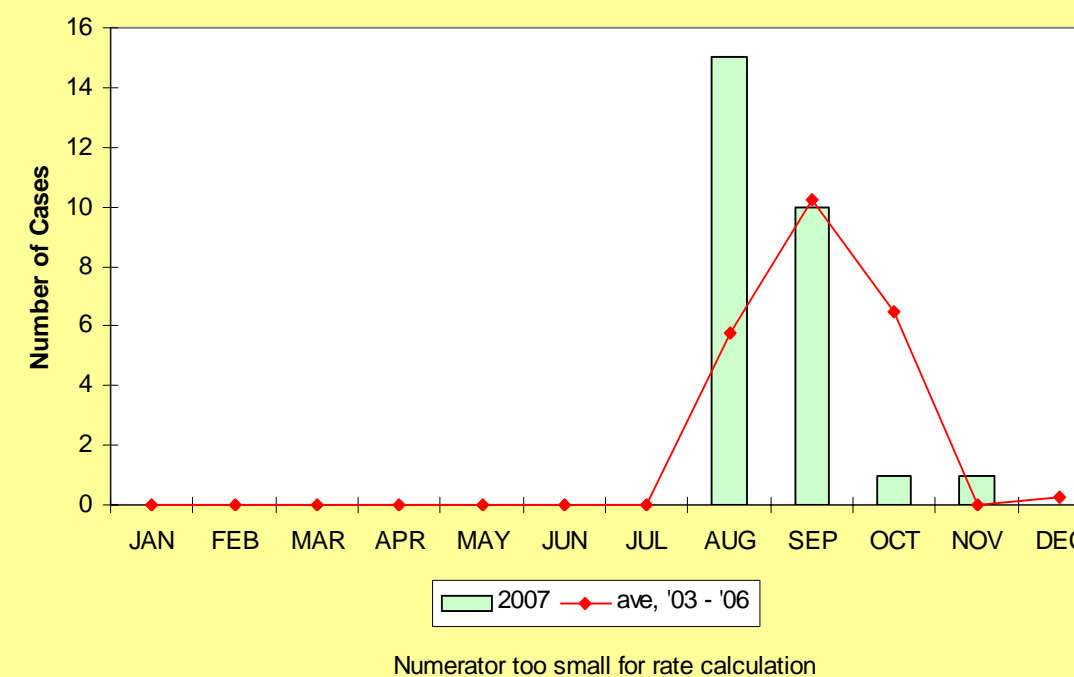


## Clinical Description

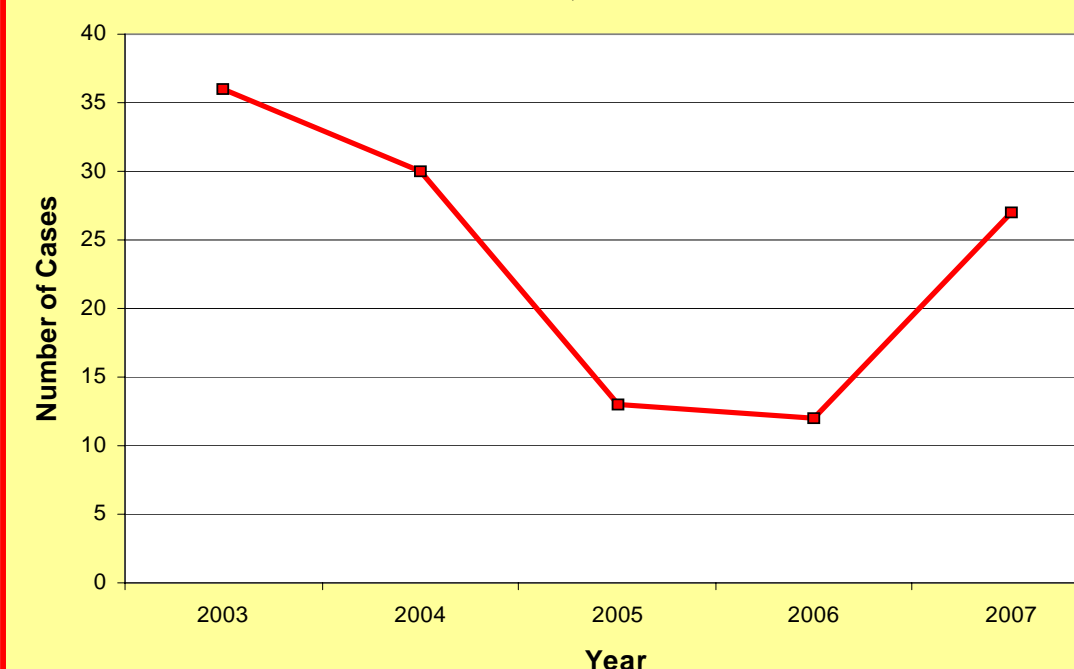
- **Asymptomatic** - Most people infected with WNV are asymptomatic.
- **Mild Disease**
  - **West Nile Fever** – clinical signs include fever, headache, body aches and, in some cases, skin rash on the trunk of the body, swollen lymph glands, and eye pain.
- **Severe Disease**
  - **West Nile Meningitis** – usually involves fever, headache, and stiff neck. Changes in consciousness are not usually seen and are mild when present.
  - **West Nile Encephalitis** – the most severe form of neuroinvasive West Nile viral disease, involves fever and headache, but there are more global symptoms such as alteration of consciousness, confusion, and coma.
  - **West Nile Poliomyelitis** – a flaccid paralysis syndrome associated with WNV infection, is less common than meningitis or encephalitis. This syndrome is generally characterized by the acute onset of asymmetric limb weakness or paralysis in the absence of sensory loss.

No treatment only supportive care

## Incidence of West Nile Virus by Month El Paso, Texas



## West Nile Virus Cases from 2003-2007 El Paso, Texas



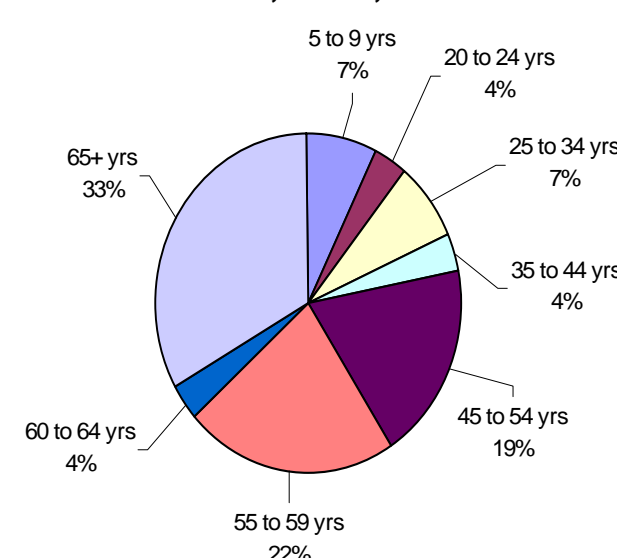
## Comparison of WNV Incidence Rates (per 100,000 population)

Year	El Paso	Texas
2003	5.1	2.0
2004	4.2	0.5
2005	1.8	0.9
2006	1.6	1.5
2007	3.6	1.1

## Reduce Your Exposure to Mosquitoes

- Follow the **4 D's** to reduce your risk of exposure:
  - **DAWN AND DUSK** - Avoid outdoor activities at dusk and dawn when mosquitoes are most active.
  - **DRESS** - If you are outside, cover up by wearing long-sleeved shirts, pants, shoes and socks.
  - **DEET** - Use mosquito repellent with DEET. Be sure to follow the manufacturer's directions for use.
  - **DRAIN** - Eliminate mosquito-breeding sites, such as standing water in tires, plastic containers or any other type of container that can hold water. Eliminate standing water on your property.

## Age of Infection for WNV El Paso, Texas, 2007



### Case Fatality Rates, 2006-2007

Year	Cases	Fatalities	Case Fatality Rate
2007	27	4	14.8%
2006	12	2	16.7%



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**Public Health**  
Prevent. Promote. Protect.