

Arizona 2017 West Nile Virus Statistics

Updated 12/8/2017

Arizona Department of Health Services- Office of Infectious Disease Services

All data are provisional and are subject to change

HUMAN CASES of West Nile virus infection identified among Arizona residents (shown by county of residence)

| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown | Total |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|-----------|-----------|------------|----------|----------|----------|------------|
| Confirmed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 1 | 2 | 5 | 0 | 0 | 1 | 0 | 40 |
| Probable | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 61 | 1 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 70 |
| Total | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 92 | 1 | 1 | 5 | 9 | 0 | 0 | 1 | 0 | 110 |
| Suspect | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Not A Case | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 117 | 2 | 2 | 64 | 11 | 2 | 4 | 3 | 0 | 211 |
| Not Classifiedss | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Total | 1 | 4 | 0 | 3 | 1 | 0 | 0 | 121 | 2 | 2 | 64 | 11 | 2 | 4 | 3 | 0 | 218 |
| Cases Investigated: | 1 | 4 | 0 | 3 | 2 | 0 | 0 | 213 | 3 | 3 | 69 | 20 | 2 | 4 | 4 | 0 | 328 |

Confirmed and Probable Cases:

Clinical Presentation

| | |
|--|----|
| Asymptomatic | 0 |
| Encephalitis-including meningoencephalitis | 48 |
| Meningitis | 37 |
| Other clinical | 4 |
| Other neuroinvasive | 6 |
| Uncomplicated fever | 13 |
| Unknown or missing | 2 |

Race

| | |
|---------------------------------|----|
| White | 90 |
| Black | 1 |
| Asian | 1 |
| American Indian/ Native Alaskan | 0 |
| Hawaiian/ Pacific Islander | 1 |
| Other | 1 |
| Unknown | 16 |

Ethnicity

| | |
|----------------------|----|
| Hispanic/ Latino | 13 |
| Not Hispanic /Latino | 75 |
| Unknown | 22 |

Gender

| | |
|---------|----|
| Female | 47 |
| Male | 63 |
| Unknown | 0 |

Number of Fatalities: 8

Age in Years

| | | | |
|--------|----|---------|----|
| Mean | 59 | Minimum | 1 |
| Median | 63 | Maximum | 92 |

Cases with Acute Flaccid Paralysis: 9

| | |
|---|----|
| Viremic Donors: (asymptomatic do not count as confirmed or probable cases) | 16 |
| Symptomatic | 3 |
| Asymptomatic | 13 |

MOSQUITO SAMPLES

The table below represents the number of mosquito pools (collections of mosquitoes) with mosquitoes testing positive for West Nile virus.

| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Total WNV Pos. Pools |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|-----------|------------|----------|------------|----------------------|
| Culex tarsalis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 8 | 0 | 0 | 98 | 159 |
| Culex quinquefasciatus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 168 |
| Culex erythrothorax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| Other Culex species | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Aedes vexans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Anopheles franciscanus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mixed/other/unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total WNV Pos. Pools | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 221 | 0 | 0 | 0 | 12 | 0 | 0 | 105 | 339 |
| # Pools Tested | 0 | 58 | 44 | 40 | 14 | 0 | 1 | 12594 | 33 | 33 | 226 | 407 | 12 | 97 | 770 | 14,329 |
| # Mosquitoes Tested | 0 | 444 | 248 | 1296 | 163 | 0 | 5 | 63608 | 295 | 818 | 4737 | 7281 | 387 | 2278 | 22240 | 103,800 |

OTHER ANIMALS TESTING POSITIVE for WEST NILE VIRUS

Avian 1 Sentinel Chicken Flocks 0 Equine 0 Other Animal 0

* Cases that remain WNV/SLE indeterminate after all tests are performed

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West Nile virus confirmed and probable cases by week of onset
includes only cases reported in 2017

