



Mosquito-borne Diseases

Jamestown Canyon Virus, Malaria, & West Nile Virus

Maine Surveillance Report | 2021

Jamestown Canyon Virus

1
Human case

0.1
Cases/100,000 people

▲ 100% increase from 2020


100% of patients (1) were male

65+
Age range


100% of patients (1) with neuroinvasive disease


100% of patients (1) hospitalized

West Nile Virus

0
Human cases*

0.0
Cases/100,000 people

▼ 100% decrease from 2020


0
Veterinary cases

▶ 0% increase from 2020


0
Mosquito pools

▶ 0% increase from 2020

* Maine reported one WNV presumptive viremic donor in 2021.

Malaria

3
Cases

0.2
Cases/100,000 people

▲ 50% increase from 2020

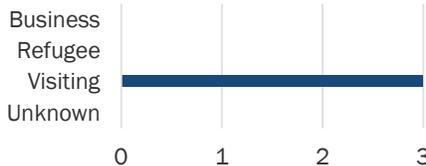

67% of patients (2) were male

29
Average age (range 6-46 years)



Patients travelled to Chad, Kenya, and Uganda

Purpose for Travel



Characteristics:

67% hospitalized

100% were smear positive

33% previously had malaria

67% were Black or African American

Plasmodium species:



Trends in 2021:

- There were no reported cases of Chikungunya, Eastern Equine Encephalitis, West Nile, or Zika.
- The Maine state lab tested 22 humans, 9 animals, and 1025 mosquito pools for arboviruses.

Prevention:

- **Wear a long-sleeved shirt**, long pants, and socks
- **Use EPA-approved repellents** for skin and clothing
- **Drain standing water** at least once a week from any open container that collects water
- **Avoid outdoor activities** at dawn and dusk when mosquitoes are most active
- **Call a healthcare provider** if symptoms develop
- **Use prescribed anti-malarial medication** when traveling

For more information visit:

- www.maine.gov/dhhs/vectorborne
- www.cdc.gov/mosquitoes