Mosquito-borne Diseases

Dengue, Eastern Equine Encephalitis, & Malaria

Maine Surveillance Report | 2019

Dengue

1 Case

0.1 Cases/100,000

▼ 200% decrease from 2018

100% of patients (1) were male

<5 Age range

100% of patients (1) with non-neuroinvasive disease

100% of patients travelled to Puerto Rico

Eastern Equine Encephalitis

0 Human cases

0.0 Cases/100,000

▲ 0% increase from 2018

1 Veterinary case

Detected in one equine from York County

▲ 100% increase from 2018

2 Mosquito pools

Detected in *Culiseta melanura* mosquitoes from York County

▲ 200% increase from 2018

Malaria

15 Cases

1.1 Cases/100,000

▲ 67% increase from 2018

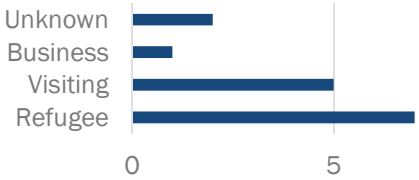
73% of patients (11) were male

28 Average age (6–68 years)

33% of patients* travelled to/from the Democratic Republic of the Congo

**Other countries travelled to/from include Cameroon, Haiti, Rwanda, Nigeria, Sudan, South Sudan, Tanzania, and Uganda*

Purpose for Travel



Characteristics:

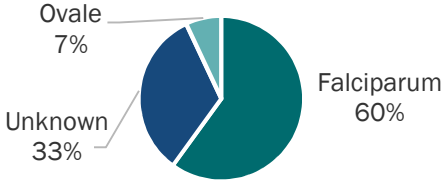
40% hospitalized

93% were smear positive

13% previously had malaria

73% were Black or African American

Plasmodium species:



Trends in 2019:

- There were no reported cases of Chikungunya, Jamestown Canyon Virus, West Nile Virus, or Zika.
- The Maine state lab tested 63 humans, 13 animals, and 1539 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 your provider** if symptoms develop
- **Use prescribed** anti-malarial medication when traveling

For more information visit:

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

All suspected or confirmed cases of mosquito-borne illness should be reported within 48 hours to Maine CDC by calling 1-800-821-5821 or faxing labs to 1-800-293-7534