



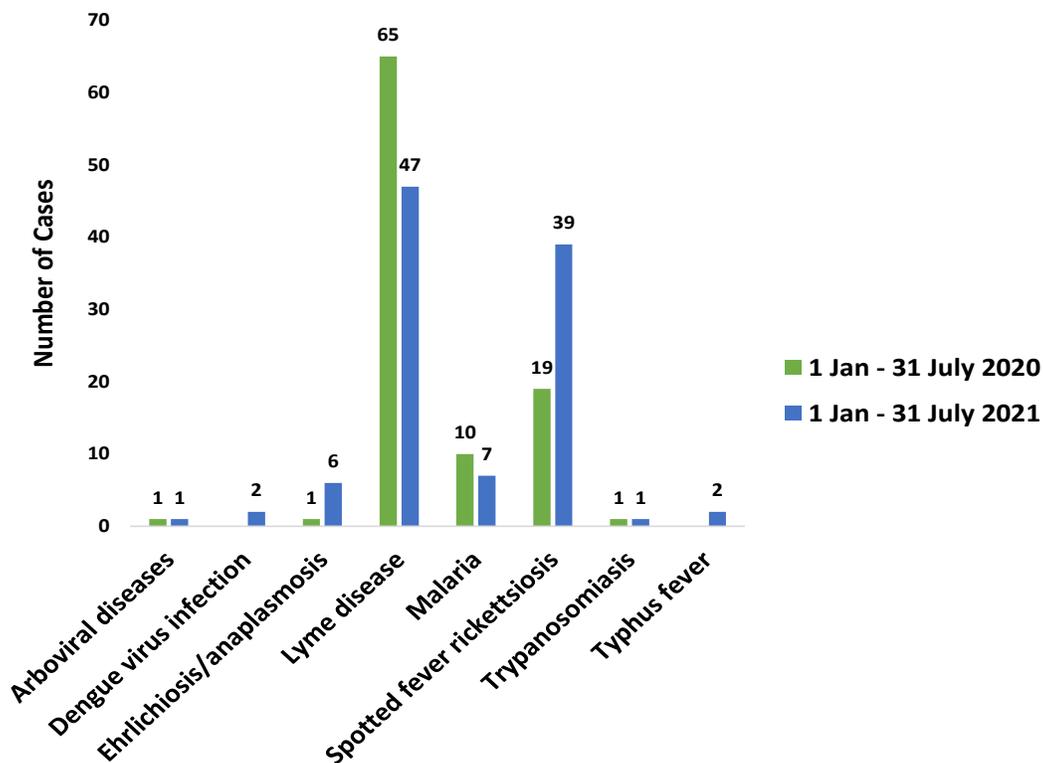
*Data are preliminary and subject to change*

## Disease Reporting System internet (DRSi) Surveillance

From 1 January 2021 to 31 July 2021, 105 vector-borne disease (VBD) cases, with onset dates during the specified time period, have been reported in the DRSi. Forty-six percent (n=48) of cases were active duty (AD) service members and 58% (n=61) of cases were male. To date, the largest numbers of VBD cases were diagnosed among individuals who were 30-39 (n=30, 29%) and 18-29 years of age (n=20, 19%). During the same time period in 2020, 97 cases were reported in the DRSi; this represents an 8% increase in the number of cases from 2020 to 2021 during the specified time period. Seventy-five percent of the cases with onset dates in 2021 were reported from locations in the Atlantic region.

A total of 25 VBD cases were reported to the DRSi in July 2021, and 36% (n=9) of the cases were AD service members. Of the 25 cases, 13 (52%) were diagnosed with Lyme disease, 5 (20%) with spotted fever rickettsiosis, 4 (16%) with ehrlichiosis/anaplasmosis, and 3 (12%) with malaria; none of the malaria cases reported taking chemoprophylaxis. Twenty (80%) of the cases were reported from locations in the Atlantic region. During June 2020, 36 VBD cases were reported; Lyme disease and spotted fever rickettsiosis accounted for 92% (n=33). Fifteen (42%) of the cases were reported from locations in the Atlantic region.

**Vector-borne Disease Cases Reported in 2020 and 2021**



*Time periods: 2020: 1 January 2020 through 31 July 2020 | 2021: 1 January 2021 through 31 July 2021.*

*The values shown for DRSi surveillance represent all individuals that were diagnosed at Army locations and Army beneficiaries diagnosed at non-Army locations. Values are based on onset dates.*



July 2021

## 2021 Year-to-Date Vector Testing

Public Health Command (PHC) - Central tested 11,201 *Aedes* spp., *Anopheles* spp., *Culex* spp., and *Culiseta* spp. mosquitoes in 505 pools for West Nile virus (WNV); all pools tested negative.

PHC-Atlantic tested 19 *Aedes* spp. mosquitoes in 9 pools for dengue virus and 4 *Culex* spp. mosquitoes in 2 pools for WNV; all pools tested negative.

PHC-Pacific tested 1,806 *Aedes* spp., *Anopheles* spp., *Culex* spp., and *Mansonia* spp. mosquitoes in 196 pools for WNV, chikungunya, and dengue viruses, and 1,792 mosquitoes in 188 pools for Zika virus; all pools tested negative.

PHC-Pacific tested 58 ticks (*Amblyomma* spp., *Ixodes* spp., and *Haemaphysalis* spp.) in 21 pools for a variety of pathogens; one pool was positive for *Babesia* spp. and another was positive for *Rickettsia* spp.

PHC-Europe tested 313 ticks (*Ixodes* spp., *Dermacentor* spp., and *Rhipicephalus* spp.) for a variety of pathogens; 3 (1%) *I. ricinus* ticks were positive for *Anaplasma phagocytophilum* and 30 (9.6%) *I. ricinus* ticks were positive for *Borrelia burgdorferi*, the pathogen that causes Lyme disease. The ticks positive for *A. phagocytophilum* were collected from the environment and the 30 ticks positive for *Borrelia burgdorferi* were collected from humans, animals, and the environment.