



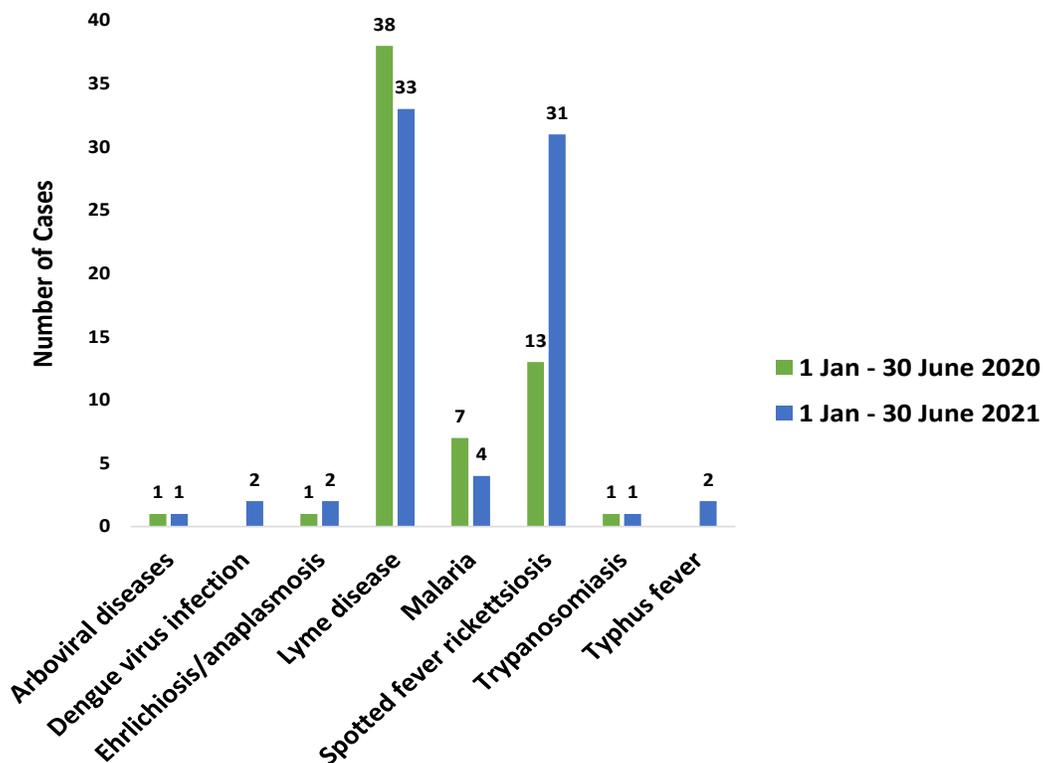
Data are preliminary and subject to change

## Disease Reporting System internet (DRSi) Surveillance

From 1 January 2021 to 30 June 2021, 76 vector-borne disease (VBD) cases, with onset dates during the specified time period, have been reported in the DRSi. Forty-six percent (n=35) of cases were active duty (AD) service members and 57% (n=43) of cases were male. To date, the largest numbers of VBD cases were diagnosed among individuals who were 30-39 (n=23, 30%) and 18-29 years of age (n=16, 21%). During the same time period in 2020, 61 cases were reported in the DRSi; this represents a 25% increase in the number of cases from 2020 to 2021 during the specified time period. Seventy-two percent of the cases with onset dates in 2021 were reported from locations in the Atlantic region.

A total of 23 VBD cases were reported to the DRSi in June 2021, and 39% (n=9) of the cases were AD service members. Of the 23 cases, 10 (44%) were diagnosed with spotted fever rickettsiosis, 7 (30%) with Lyme disease, 2 cases each of ehrlichiosis/anaplasmosis and typhus fever, and 1 case each of arboviral diseases (neuroinvasive and non-neuroinvasive) and malaria. Sixteen (70%) of the cases were reported from locations in the Atlantic region. During June 2020, 32 VBD cases were reported; Lyme disease and spotted fever rickettsiosis accounted for 84% (n=27). Fifteen (47%) 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 30 June 2020 | 2021: 1 January 2021 through 30 June 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.

Contact us: [APHC Disease Epidemiology](#)



5 August 2021

## 2021 Year-to-Date Vector Testing

Public Health Command (PHC) - Central tested 6,201 *Culex spp.* mosquitoes in 431 pools for West Nile virus (WNV); all pools tested negative.

PHC-Pacific tested 628\* mosquitoes (*Aedes spp.*, *Anopheles spp.*, *Culex spp.*, and *Mansonia spp.*) in 31 pools for WNV, chikungunya, dengue, and Zika viruses; all pools tested negative.

PHC-P tested 32 ticks (*Amblyomma spp.*, *Ixodes spp.*, and *Haemaphysalis spp.*) in 11 pools for a variety of pathogens; one pool was positive for *Babesia spp.* and another was positive for *Rickettsia spp.*

PHC-E tested 277 ticks (*Ixodes spp.*, *Dermacentor spp.*, and *Rhipicephalus spp.*) for a variety of pathogens; an *I. ricinus* tick (0.4%) was positive for *Anaplasma phagocytophilum* and 10 *I. ricinus* ticks were positive for *Borrelia burgdorferi*, the pathogen that causes Lyme disease. Results for 174 of the ticks are pending (no update since the last report).

\* A smaller value is noted here compared to the last report due to an update in the source data.