



25 June 2021

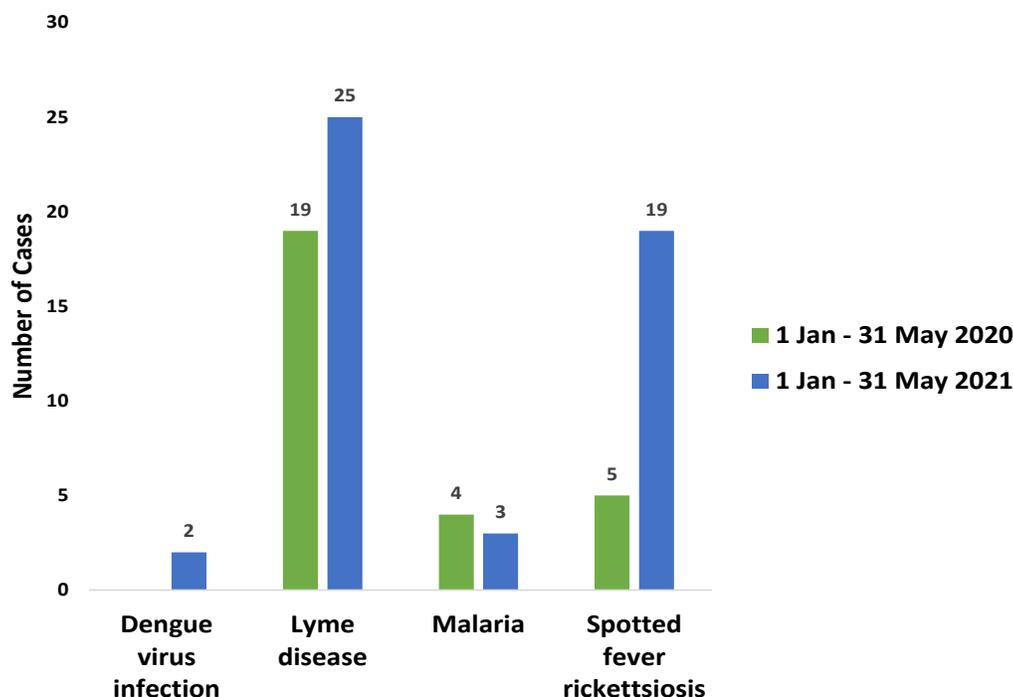
Data are preliminary and subject to change

Disease Reporting System internet (DRSi) Surveillance

From 1 January 2021 to 31 May 2021, 49 vector-borne disease (VBD) cases, with onset dates during the specified time period, have been reported in the DRSi. Fifty-one percent (n=25) of cases were active duty (AD) Service members and 63% (n=31) of cases were male. To date, the largest numbers of VBD cases were diagnosed among individuals who were 30-39 (n=16, 33%) and 40-49 years of age (n=10, 20%). During the same time period in 2020, 28 cases were reported in the DRSi; this represents a 75% increase in the number of cases from 2020 to 2021 during the specified time period. Thirty-eight percent of the cases with onset dates in 2021 were reported from locations in the Atlantic region.

A total of seven VBD cases were reported to the DRSi in May 2021, and 57% (n=4) of the cases were AD Service members. Of the seven cases, four (57%) were diagnosed with Lyme disease, two (29%) with spotted fever rickettsiosis, and one (14%) with malaria; all but one of the cases were reported from locations in the Atlantic region. During May 2020, seven VBD cases were also reported; Lyme disease accounted for five (71%) of the cases and the others were spotted fever rickettsiosis cases (29%). Six (86%) 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 May 2020 | 2021: 1 January 2021 through 31 May 2020.

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](#)



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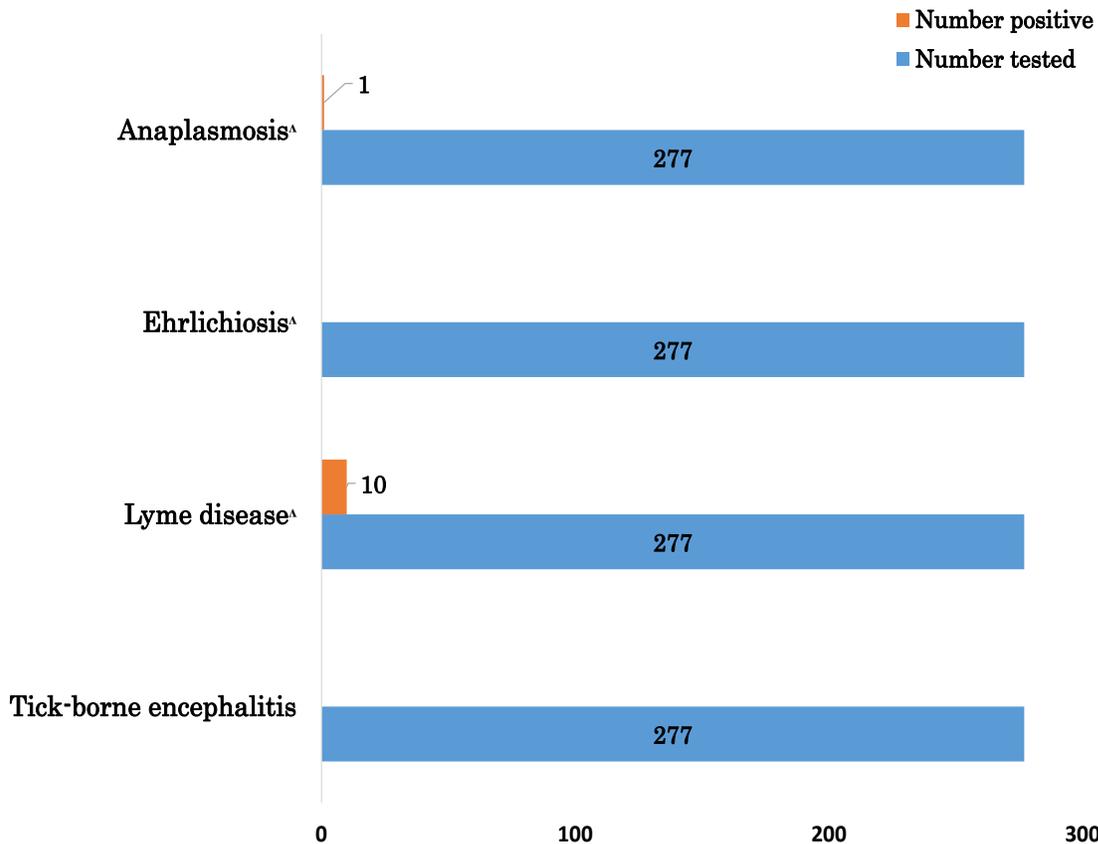
2021 Year-to-Date Vector Testing

Public Health Command (PHC) - Central tested 2,260 *Culex spp.* mosquitoes for West Nile virus (WNV). All, except one, specimens tested negative; the other specimen's result is pending.

PHC-Pacific tested 633 mosquitoes (*Aedes spp.*, *Anopheles spp.*, *Culex spp.*, and *Mansonia spp.*) for WNV, chikungunya, dengue, and Zika viruses; 167 mosquitoes were negative for all pathogens and results for the other 466 mosquitoes are pending.

PHC-E submitted 277 ticks (*Ixodes spp.*, *Dermacentor spp.*, and *Rhipicephalus spp.*) for testing for a variety of pathogens; 1 (0.4%) *I. ricinus* tick was positive for *Anaplasma phagocytophilum* and 10 (3.6%) *I. ricinus* ticks were positive for *Borrelia burgdorferi*, the pathogen that causes Lyme disease. Results for 174 of the ticks are pending.

2021 Tick Testing



[^]Indeterminate results for the following pathogens: *Anaplasma phagocytophilum* (1 specimen), *Borrelia burgdorferi* (7 specimens), and *Ehrlichia spp.* (1 specimen).