



Data are preliminary and subject to change

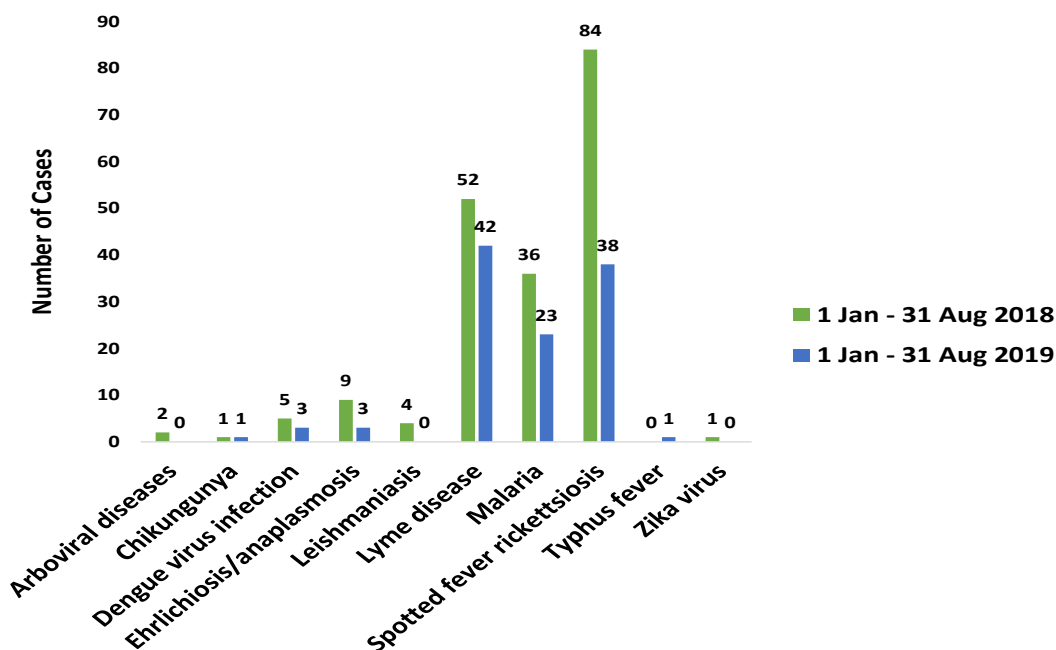
## Disease Reporting System internet (DRSi) Surveillance

From 1 January 2019 to 31 August 2019, 111 vector-borne disease (VBD) cases, with onset dates during the specified time period, have been reported in the Disease Reporting System internet (DRSi). Forty-two percent (n=47) of the cases were among Active Duty (AD) Service Members (SMs), and 62% (n=69) of cases were male. To date, the largest number of VBD cases was diagnosed among individuals who were 18-29 years of age (n=25, 23%). During the same time period in 2018, 194 cases were reported in DRSi; this represents a 43% decrease in the number of cases from 2018 to 2019 during the specified time period. Ft. Leonard Wood reported the largest number of VBDs during this time period (n=26), representing 23% of all VBDs reported; 22 (84%) of the 26 cases reported from Ft. Leonard Wood were due to Spotted fever rickettsiosis (SFR).

A total of 15 VBD cases were reported to DRSi in August 2019 with AD SMs accounting for 53% (n=8) of the cases and 87% (n=13) being male. Most cases were between the ages of 18 and 29 (n=6, 40%). Of the 15 cases, eight were diagnosed with malaria, four with Lyme disease, one with dengue virus infection (DENV), and one with SFR. Individuals diagnosed with malaria reported travel to various countries in Africa and Afghanistan, and the individual diagnosed with DENV reported travel to Southeast Asia. During August 2018, 34 VBD cases were reported, which is a 56% decrease in reported cases when comparing the two months. The most reported VBD in August 2018 was SFR (n=15, 44%), and 73% (n=11) of these cases were reported by Ft. Leonard Wood.

Among the eight individuals with malaria in August 2019, two reported not initiating chemoprophylaxis prior to travel and one individual's prophylactic history was unknown. Four of the five individuals who reported receiving chemoprophylaxis reported not being fully adherent to the regimen. Additionally, five of the eight individuals reported duty-related exposures.

**Vector-Borne Disease Cases Reported in 2018 and 2019**



\*Time periods: 2018 - 1 January 2018 through 31 August 2018 | 2019 - 1 January 2019 through 31 August 2019.

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.

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