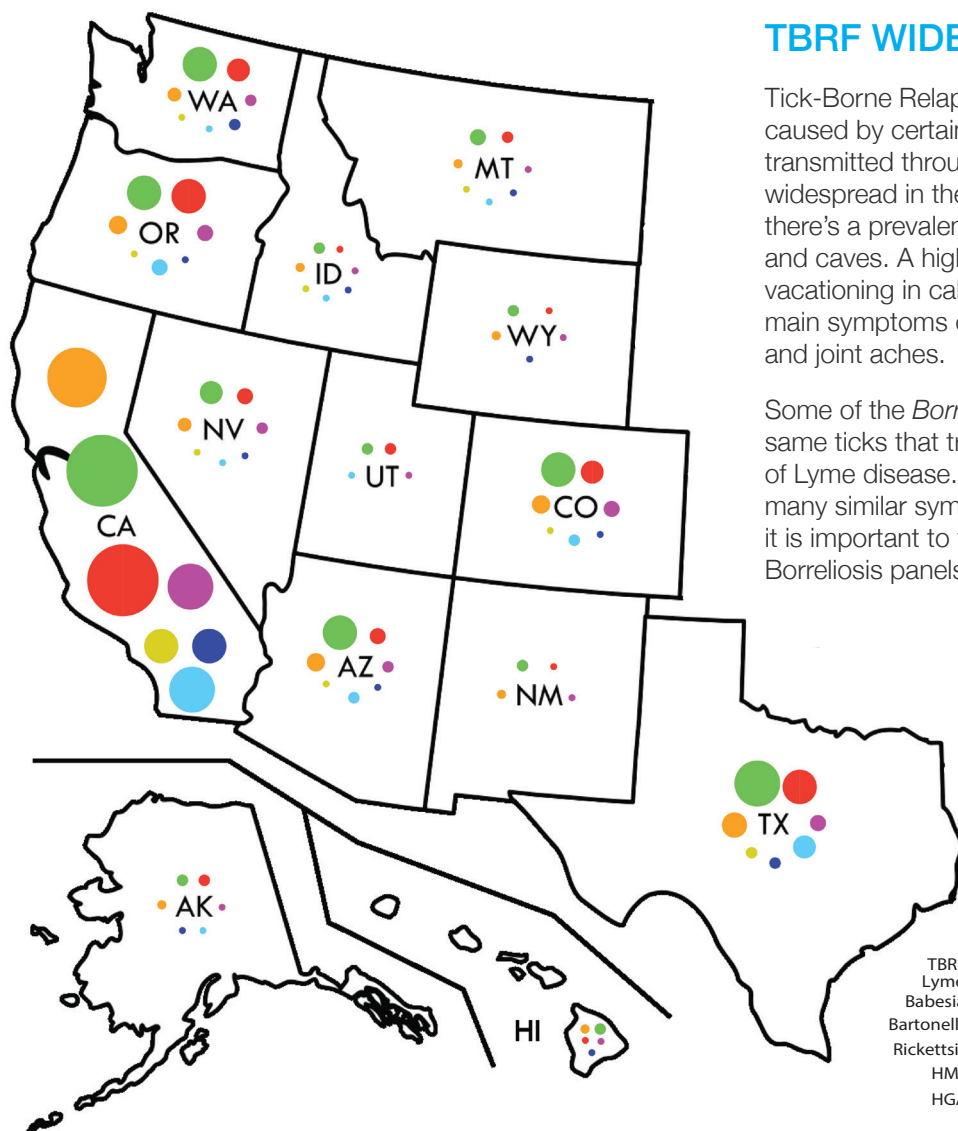




# Are you testing for one of the most prominent **Tick-Borne diseases in the Western US?**

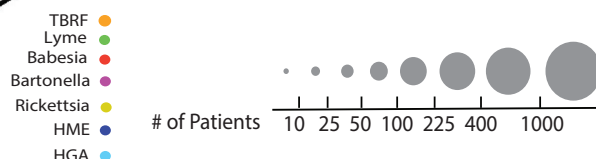


## TBRF WIDESPREAD OUT WEST

Tick-Borne Relapsing Fever (TBRF) is a bacterial infection caused by certain species of *Borrelia* spirochetes and transmitted through the bite of soft and hard ticks. It is most widespread in the western half of the United States, where there's a prevalence of ticks found in rodent burrows, nests, and caves. A high percentage of cases occur among people vacationing in cabins in wooded and mountainous areas. The main symptoms of TBRF are high fever, headache, muscle and joint aches.

Some of the *Borrelia* that cause TBRF are transmitted by the same ticks that transmit *B. burgdorferi*, the causative agent of Lyme disease. Both TBRF and Lyme sufferers display many similar symptoms, leading to misdiagnosis. Therefore, it is important to test for both TBRF and Lyme. The IGeneX Borreliosis panels offer combined Lyme and TBRF testing.

*Map: Geographical distribution of the seven tick-borne diseases across the Western US. The data is based on the residency of IGeneX patients, and not necessarily where the patient contracted the disease. The data is not representative of actual prevalence rates.*



## IMMUNOBLOT TEST FOR TBRF

IGeneX's TBRF IgM and IgG ImmunoBlot (IB) tests are qualitative immunoassays in which TBRF-specific antibodies are visualized. They are used to determine whether TBRF-specific antibodies are present in patient serum or plasma. These tests are more sensitive and specific than the Western Blot, ELISA, and IFA tests.