

Appendix

Geospatial Health #750

Quantifying the relationship between human Lyme disease and *Borrelia burgdorferi* exposure in domestic dogs

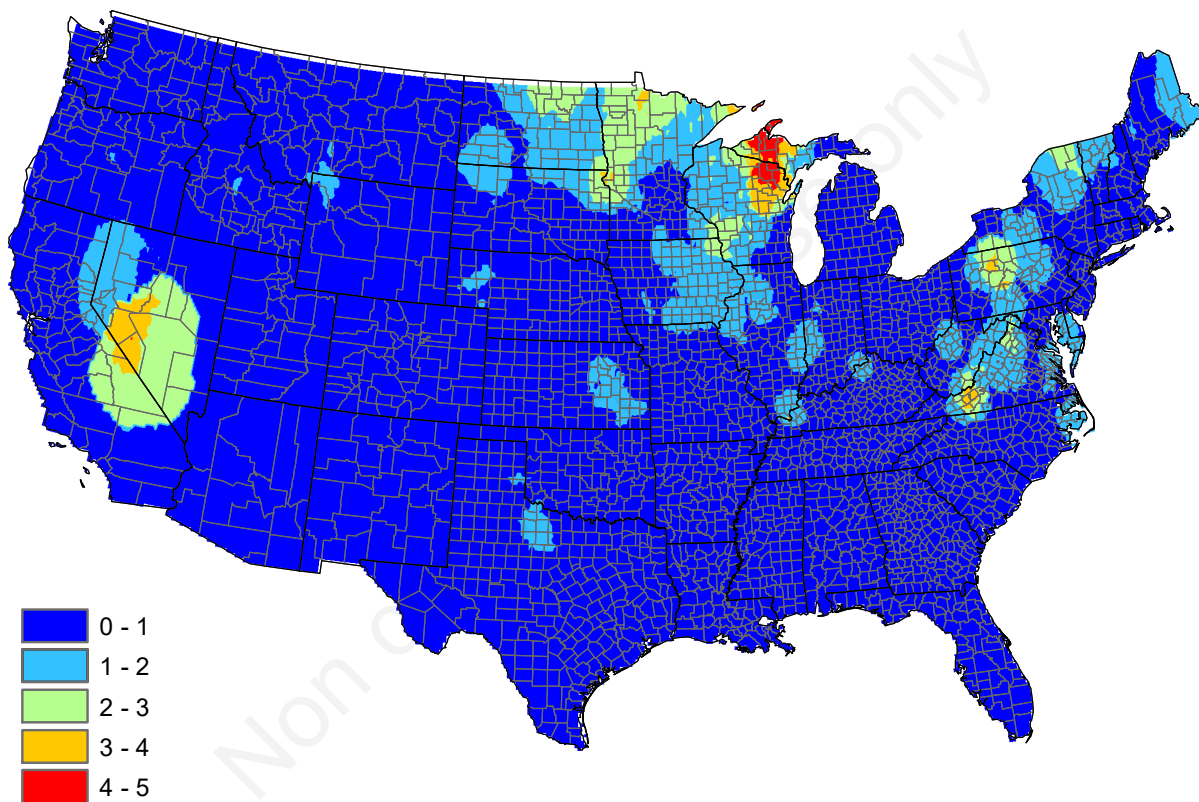


Figure S1. Average absolute difference (number of cases per 100,000 population) between observed CDC-reported human Lyme disease incidence and model-estimated human incidence for 2012-2016. A smoothed map depicting the average absolute difference between the observed incidence of Lyme disease in humans as reported by the CDC and the model estimated human incidence for 2012-2016. It shows the difference in the estimates obtained from the described model and the actual observed cases of human Lyme disease at the county-level for the years 2011 through 2016. The figure was created to provide additional validation of the model and to highlight areas in which the model estimates closely follow the observed counts, and also areas in which future studies of additional risk factors may improve our understanding of the relationship between human and canine LD.