

Borrelia genospecies, distribution and vectors

Borrelia Genospecies	Distribution	Vectors
Lyme disease borreliae		
<i>B. burgdorferi sensu stricto</i>	North America, Europe, North Africa, China, Taiwan	<i>Ixodes scapularis, I. ricinus, I. pacificus,</i>
<i>B. garinii</i>	Europe, Russia, China, Japan, Canada, Korea, Mongolia, North Africa, subantarctic islands	<i>I. ricinus, I. persulcatus, I. cantuga, I. hexagonus Boophilus sp.</i>
<i>B. afzelii</i>	Europe, Russia, China, Japan, Korea, Mongolia	<i>I. ricinus, I. persulcatus, I. cantuga, I. hexagonus, Boophilus sp. Dermacentor spp. Haemaphysalis spp.</i>
<i>B. japonica</i>	Japan	<i>I. ovatus</i>
<i>B. lusitaniae</i>	Southwestern Europe, North Africa, Central Europe, Turkey, Scandinavia	<i>I. ricinus, I. uriae, I. hexagonus, D. marginatus</i>
<i>B. valaisiana</i>	Europe, China, Japan, South Korea, Taiwan	<i>I. ricinus, I. hexagonus, I. uriae, D. marginatus</i>
<i>B. bissetti</i>	USA (West, Southeast, Upper Midwest), Central Europe	<i>I. scapularis, I. affinis, I. canisuga, I. minor, I. pacificus, I. ricinus</i>
<i>B. spielmanii</i>	Central Europe, Hungary, Ukraine	<i>I. ricinus, I. hexagonus</i>
<i>B. bavariensis</i>	Central Europe, Eastern Europe, Russia, Central Asia, China, Japan	<i>I. ricinus, I. persulcatus, I. trianguliceps, D. reticulatus</i>
<i>B. kurtenbachii</i>	USA (East, North), Canada, Europe?	<i>I. pacificus, I. scapularis, I. spinipalpis</i>
<i>B. finlandensis</i>	Finland	<i>I. ricinus</i>
<i>B. andersoni</i>	North America	<i>I. dentatus</i>
<i>B. californiensis</i>	USA	<i>I. pacificus, I. spinipalpis, D. californicus</i>
<i>B. americana</i>	USA	<i>I. pacificus, I. minor</i>
<i>B. carolinensis</i>	USA	<i>I. minor</i>
<i>B. tanukii</i>	Japan	<i>I. tanuki</i>
<i>B. turdi</i>	Japan	<i>I. turdus</i>
<i>B. sinica</i>	China	<i>I. ovatus</i>
<i>B. yangtze</i>	China	<i>Haemaphysalis longicornis, I. granulatus</i>
<i>B. chilensis</i>	Chile	<i>I. stilesi</i>
<i>B. burgdorferi sensu lato</i> <i>Haplotype A, B, C, D, E</i>	Uruguay	<i>I. pararicinus</i>



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Relapsing Fever Borreliae –New world

<i>B. hermsii</i>	USA (West)	<i>Ornithodoros hermsii</i>
<i>B. turicatae</i>	USA (Southwestern), Mexico	<i>O. turicata</i>
<i>B. pakeri</i>	USA (West)	<i>O. parkeri</i>
<i>B. miyamotoi</i>	USA (Northeastern), Russia, Canada	<i>I. persulcatus, I. scapularis, I. pacificus</i>
<i>B. mazzottii</i>	Central America	<i>O. talaje</i>
<i>B. venezuelensis</i>	Central America	<i>O. rudis</i>

Relapsing Fever Borreliae –Old world

<i>B. duttoni</i>	Sub-Saharan Africa	<i>O. moubata</i>
<i>B. crocidurae</i>	North Africa, Middle East	<i>O. erraticus</i>
<i>B. persica</i>	Middle East, Central Asia	<i>O. tholozani</i>
<i>B. hispanica</i>	Iberian Peninsula, North Africa	<i>O. marocanus</i>
<i>B. latyschewii</i>	Iran, Iraq, Eastern Europe	<i>O. tartakowskyi</i>
<i>B. caucasia</i>	Iraq, Eastern Europe	<i>O. asperus</i>

Reptile Borrelia

<i>B. turica</i>	Turkey	<i>Hyalomma aegyptium</i>
<i>Borrelia sp. GP</i>	Zambia	<i>Amblyomma Sparsum</i>
<i>Borrelia sp. BF</i>	Sri Lanka	<i>Amblyomma trimaculatum</i>
<i>Borrelia sp. ST</i>	Ghana	<i>Amblyomma latum</i>

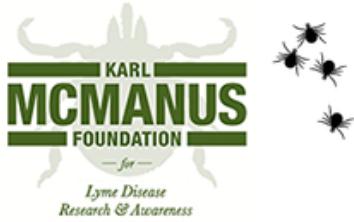
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