

## Common Tick-Borne Diseases in Dogs

DISEASE	TICK CARRIER	PATHOGEN	SIGNS (NOT COMPREHENSIVE)
Lyme Disease	Black-legged tick or deer tick. <i>Ixodes spp.</i>	<i>Borrelia burgdorferi</i>	Lameness, hot or swollen joints, fever, fatigue and lack of appetite. Heart, neurological or kidney damage may occur.
Anaplasmosis	Black-legged tick carries <i>A. phagocytophilum</i> . The vector for <i>A. platys</i> is not known but is thought to be tick transmitted.	<i>Anaplasma phagocytophilum</i> <i>Anaplasma platys</i>	Both: Low blood platelets and fever. <i>A. phagocytophilum</i> only: anemia, lethargy, lack of appetite, enlarged lymph nodes and stiff joints.
Ehrlichiosis	Brown dog tick.	<i>Ehrlichia canis</i>	Anemia, low blood platelets, ocular and neurological signs, fever, swollen lymph nodes, runny eyes and nose, nosebleeds, lethargy, lack of appetite and exercise intolerance.
Rocky Mountain Spotted Fever	American dog, lone star and wood ticks. In some areas, brown dog tick.	<i>Rickettsia rickettsii</i>	Fever, swollen lymph nodes and joints, vomiting, stiffness, skin lesions, vision problems, nosebleeds, anemia and neurological signs (behavioral changes, head tremors, difficulty standing or walking).
Babesiosis	Brown dog tick carries <i>B. canis</i> . <i>B. gibsoni</i> is thought to be transmitted when an infected dog bites an uninfected one.	<i>Babesia canis</i> <i>Babesia gibsoni</i>	Anemia, pale gums, weakness, anorexia, vomiting and low blood platelets.
Bartonellosis	Ticks and fleas may be vectors.	<i>Bartonella vinsonii</i> <i>Bartonella henselae</i> other species	Intermittent fever and lameness. May cause anemia and heart or liver disease, among other signs.
Hepatozoonosis	Brown dog and Gulf Coast ticks. Transmitted when dogs eat infected ticks or animals.	<i>Hepatozoon canis</i> <i>Hepatozoon americanum</i>	Back pain, fever, runny eyes and nose, bloody diarrhea, muscle pain, muscle wasting. Other signs may occur due to infection of spleen, bone marrow and muscles. Signs vary with species.

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