



**JOHN DRULLE, MD
MEMORIAL LYME FUND,
INC.**

www.johndrullelymefund.org

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The John Drulle, MD Memorial Lyme Fund, Inc. is a Jackson, New Jersey based 501(c)3 non-profit corporation dedicated to Lyme and other tick-borne illness awareness and prevention education; and funds prevention research.

PROTECT YOURSELF FROM TICK-BORNE DISEASES

Diseases carried by ticks in New Jersey:

- * Lyme disease
- * Babesiosis
- * Human Granulocytic Anaplasmosis
- * Human Monocytic Ehrlichiosis
- * Southern Tick Associated Rash Illness (STARI)
- * Rocky Mountain Spotted Fever
- * Tick Paralysis

Over the last twenty years, Lyme disease has become the most frequently reported vector-borne illness in the U.S. Between 1990 and 2002, New Jersey ranked fourth in Lyme disease reporting, with over 21,000 cases. Total Lyme cases reported by the CDC from 1990 to 2006 are:

32,768 in New Jersey
38,948 in Connecticut
75,233 in New York
43,454 in Pennsylvania

The Center for Disease Control (CDC) has stated Lyme disease is under reported and that the total number of cases may be tenfold higher.

Know the ticks!

Ticks may carry and transmit more than one illness. The pictures below show the three common ticks found in New Jersey. Ticks can transmit diseases in every stage of their lifecycle.



Black Legged ticks (*Ixodes scapularis*) can transmit several tick borne illnesses such as anaplasmosis, babesiosis, and Lyme disease.



Lone star ticks (*Amblyomma americanum*) can transmit Southern Tick Associated Rash Illness (STARI) and ehrlichiosis.



American Dog ticks (*Dermacentor variabilis*) can carry Rocky Mountain Spotted Fever.

Watch for symptoms!

People and pets of all ages can be infected. Early detection and treatment can prevent more serious illnesses. Current blood tests fail to detect 35% of Lyme antibodies. Blood tests should not be used to rule out Lyme disease when there are strong clinical symptoms (ILADS).

Early symptoms of tick-borne illness may include:

- * Fever
- * Headache
- * Fatigue
- * Stiff Neck