Risk Areas for *Ixodes scapularis* in Ontario

My dog has a tick - Will it get Lyme disease?

**Is it the right kind of tick?**
- *Ixodes scapularis* is the only vector of *Borrelia burgdorferi* in Ontario

**Is the *I. scapularis* tick carrying *B. burgdorferi***?
- Varies by region, but overall in Ontario:
  - ~85% are negative
  - ~15% are positive*

**Was the positive tick attached for long enough to expose my dog to *B. burgdorferi***?
- < 24 hours - negligible risk
- 24-48 hours - questionable risk
- > 48 hours - significant risk

**If my dog is exposed, will it test positive for antibodies?**
- Most dogs will but not for at least 3-5 weeks

**If my dog is exposed, will it get sick?**
- 95% of dogs will not get sick


**Only 5% of dogs**
- Bitten by the right kind of tick
- Carrying the right bacterium
- Attatched for the right amount of time
- **WILL DEVELOP ANY SIGNS OF LYME DISEASE**

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