

LYME DISEASE SURVEILLANCE IN CANADA

Annual Edition 2019

WHAT IS LYME DISEASE?

- ▶ **Lyme disease** is a bacterial infection transmitted to humans through the bite of an infected tick
- ▶ Early **clinical manifestations** can present as flu-like symptoms including joint pain and/or bull's eye rash. If untreated, individuals may experience cardiac and neurologic manifestations and arthritis


WHAT IS THE RISK?

- ▶ **Lyme disease** is the most frequently reported **vector-borne disease** in Canada
- ▶ The **greatest risk** of acquiring Lyme disease occurs in regions where populations of ticks carrying the bacteria, *Borrelia burgdorferi*, have become established

WHO'S AT GREATER RISK?



Children aged 5-14 years

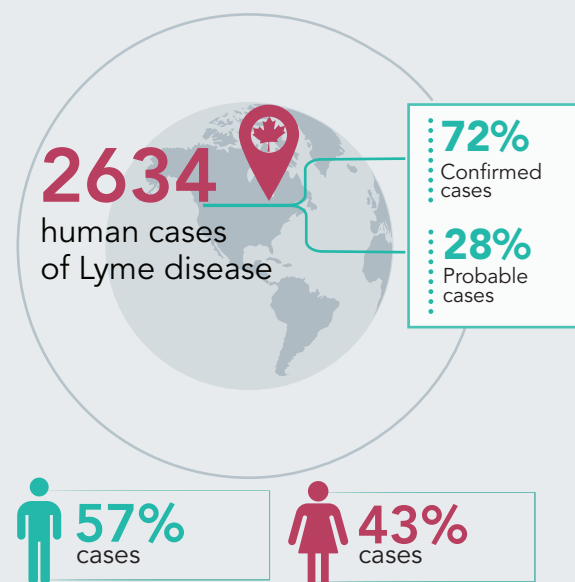


Adults aged 55-79 years

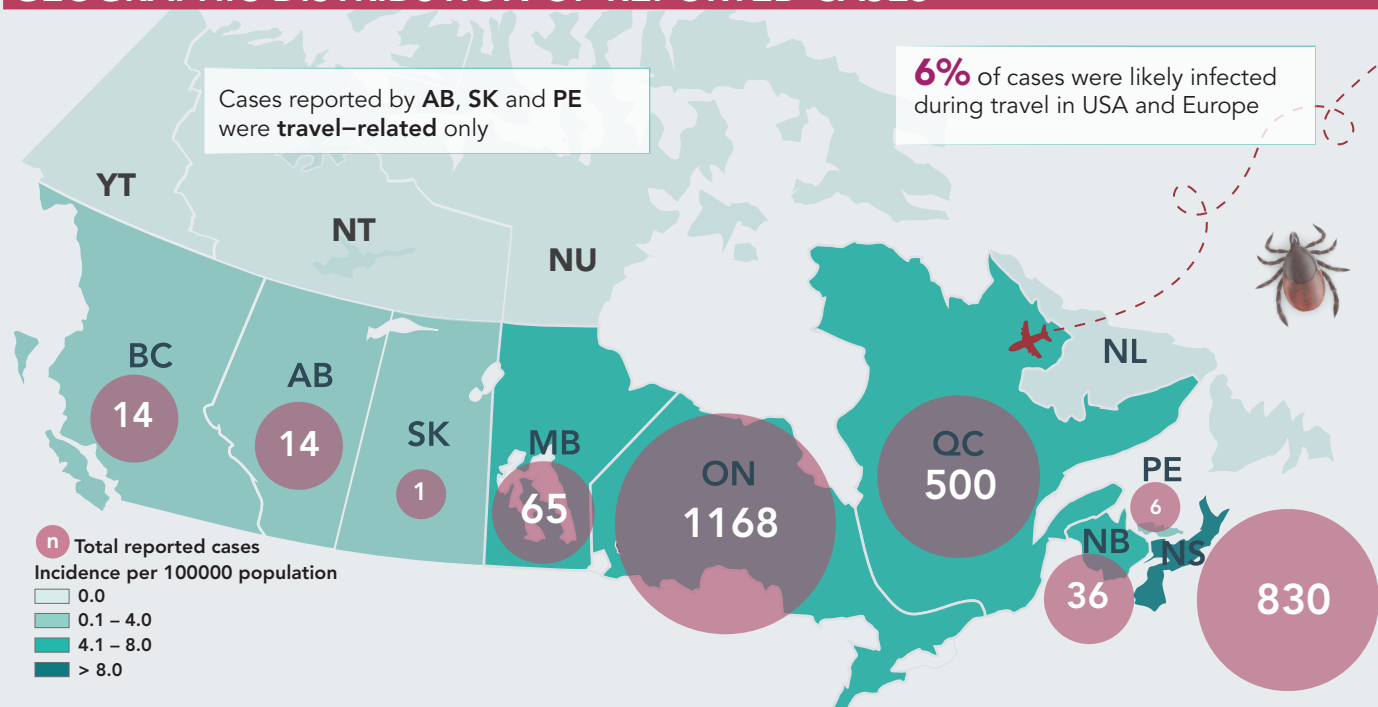


FACTS

REPORTED IN 2019



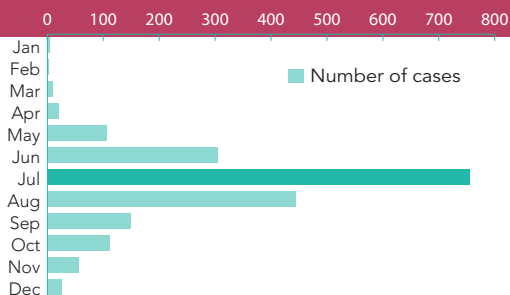
GEOGRAPHIC DISTRIBUTION OF REPORTED CASES



SEASONALITY

38% OF CASES REPORTED AN ILLNESS ONSET IN JULY

97% OF THE CASES OCCURRED FROM MAY THROUGH NOVEMBER



PUBLIC HEALTH RECOMMENDATIONS

TIPS TO AVOID TICK BITES:

PROTECTING YOURSELF WHEN DOING OUTDOOR ACTIVITIES



REDUCING RISK



Public Health
Agency of Canada

Agence de la santé
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