

Three Ticks of Public Health Importance

Spot Identification

Adult Activity:
Late March
through July



Adult male



Adult female

Adult Habitat:
Grassy areas
along paths and
roads

Ornamentation

American dog tick, *Dermacentor variabilis*
Ornamentation on 'back'

Ornamentation

**Blacklegged 'deer' tick
*Ixodes scapularis***
No Ornamentation

Activity:
All life stages
bite
Active 12
months



Adult male



Adult female

Habitat:
Forest &
shrubs

Ornamentation

**Lone star tick
*Amblyomma americanum***
Ornamentation



Adult male



Adult female

Activity:
All life stages
bite
April –August

Lyme Disease



Causative Agent: *Borrelia burgdorferi*

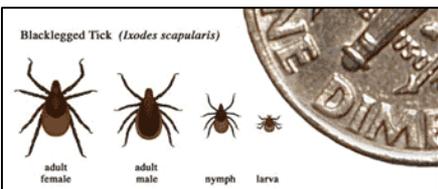
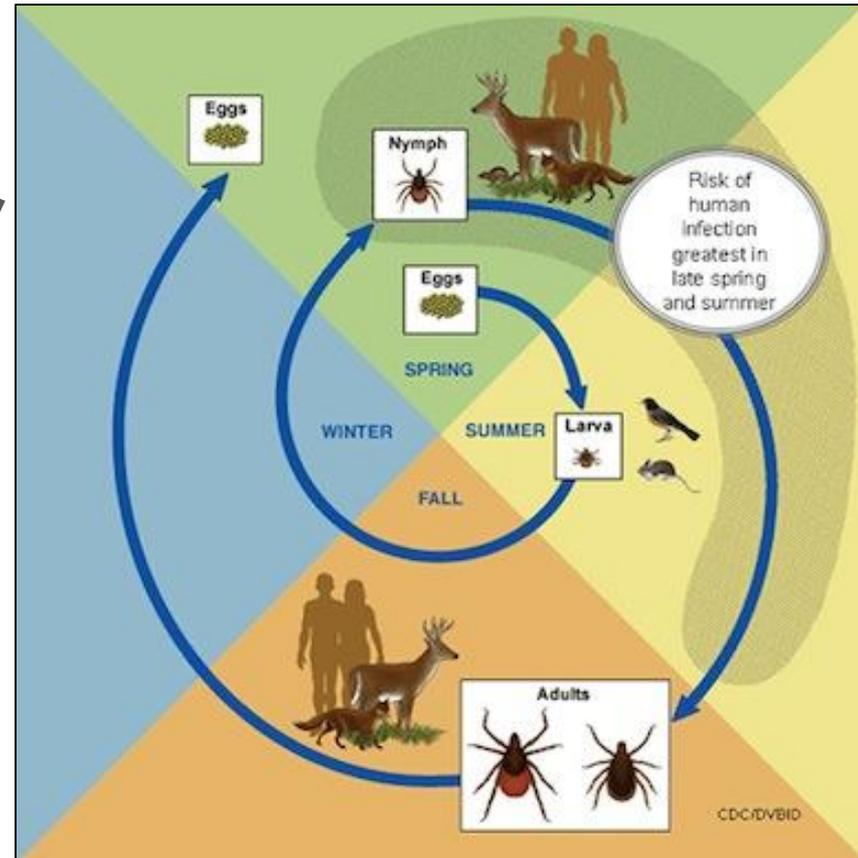
Incubation Period: 3-30 days

Symptoms: Fatigue, fever, chills, headache, muscle and joint aches, swollen lymph nodes, erythema migrans

Persons at Risk: People who spend time in heavily wooded areas, campers, hikers, or outdoor workers

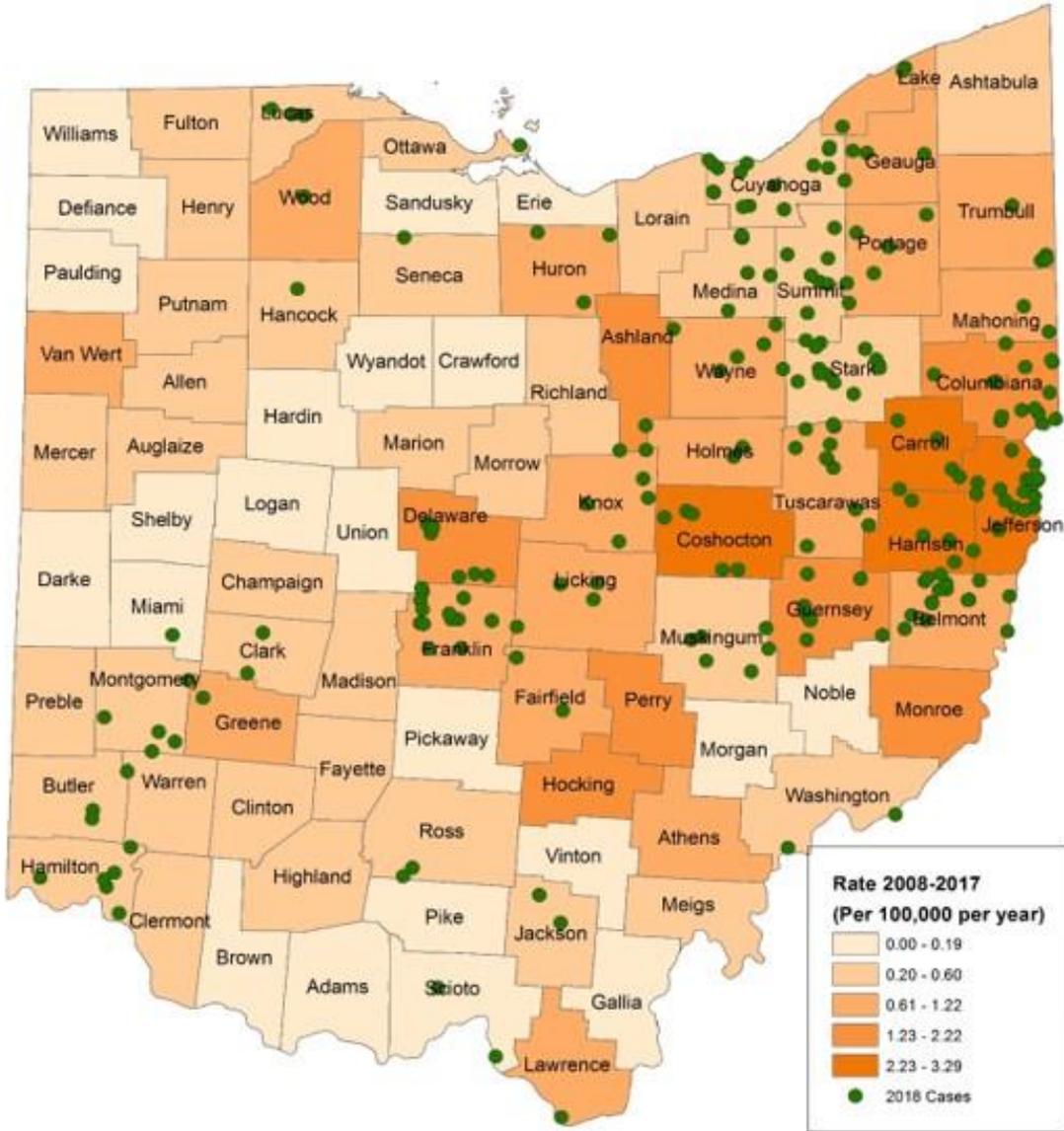
Vector: Black-legged tick (*Ixodes scapularis*)

Habitat: Wooded or brushy areas and edge areas between Lawns and woods



Lyme Disease in Ohio

2018* Cases Compared to Incidence 2008 – 2017



Blacklegged Ticks, *Ixodes scapularis*, in Ohio



Source: Ohio Department of Health

* Data as of 10/03/2018, 226 cases

County-level data are based on the county of residence of the case



Tick-borne diseases in Ohio

Tick-borne disease	2014 Cases	2015 Cases	2016 Cases	2017 Cases	2018* Cases
Anaplasmosis	1	1	6	4	1
Babesiosis	1	2	0	1	0
Ehrlichiosis	4	17	8	16	11
Anaplasmosis/Ehrlichiosis undet.	1	1	0	0	0
Lyme disease	119	154	160	270	226
Rocky Mountain spotted fever	12	12	24	34	32

* Data as of 10/09/2018