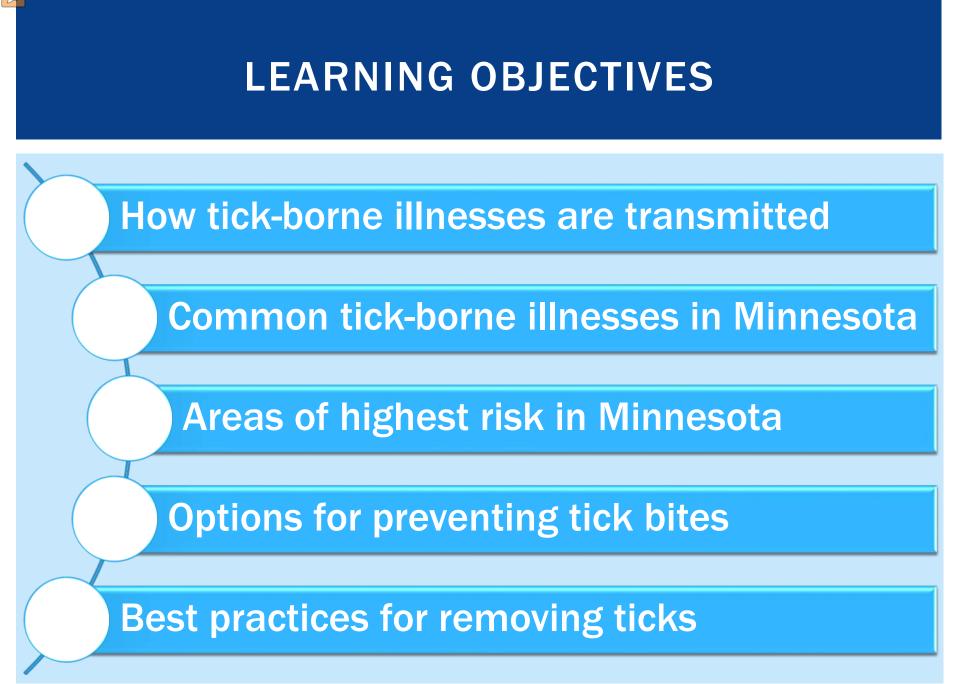
EMPLOYEE RIGHT-TO-KNOW

Preventing Tick-Borne Illness



TICK-BORNE ILLNESS TRANSMISSION

Tick-borne illness is transmitted by the bite of an infected tick. The tick must be embedded in your skin for at least 12 hours and typically 24 or more hours in order to transmit disease.

Exposure Risks

- Most people are exposed to infected ticks from May – July in wooded, brushy habitat
- Both the adult female and nymph carry disease





OTHER TICK-BORNE ILLNESS EXPOSURE RISKS

∀Vehicles

Clothing and Shoes

[™] Equipment







TICK-BORNE ILLNESS IN MINNESOTA: LYME DISEASE

Lyme disease is transmitted by a bite from an infected blacklegged tick (deer tick) carrying the Lyme bacterium. The infected tick must be attached for 24-48 hours to transmit the disease.

Within 3 to 30 days after removing an embedded tick, look for:

Bulls-eye shaped rash or multiple rashes	Fever	1
Chills	Headache	
Muscle and joint pain	Fatigue	

TICK-BORNE ILLNESS IN MINNESOTA: LYME DISEASE

Other Lyme disease symptoms that may appear between 3 and 30 days of exposure include:

Facial paralysis on one side	Dizziness and heart palpitations	22321
Stiff neck	Persistent weakness and fatigue	- A
Irregular heartbeat	Weakness, numbness or pain in arms and legs	

TICK-BORNE ILLNESS IN MINNESOTA: ANAPLASMOSIS

Anaplasmosis is transmitted by a bite from an infected blacklegged tick. The infected tick must be attached for 12 to 24 hours to transmit the disease.

Within 1 to 3 weeks after removing an embedded tick, look for:

Fever above 102 degrees	Muscle aches	SR
Severe headache	Chills and shaking	400

TICK-BORNE ILLNESS IN MINNESOTA: ANAPLASMOSIS

Less frequent symptoms of Anaplasmosis include:

Nausea	Vomiting	TickEncounter Resource Center Ixodes scapularis (Blacklegged ticks or Deer ticks)
Loss of appetite	Weight loss	LARVA
Abdominal pain	Aching joints	WE TOF TOP
Change in mental state	Diarrhea	NYMPH ADULT MALE ADULT FEMALE

TICK-BORNE ILLNESS IN MINNESOTA: BABESIOSIS

Babesiosis is transmitted by a bite from an infected blacklegged tick. The infected tick must be attached for 24 to 36 hours to transmit the disease.

Within 1 to 3 weeks after removing an embedded tick, look for:

Fever	Headache	- Martin - M
Loss of appetite	General malaise	

TICK-BORNE ILLNESS IN MINNESOTA: BABESIOSIS

Other symptoms of Babesiosis that may appear include:

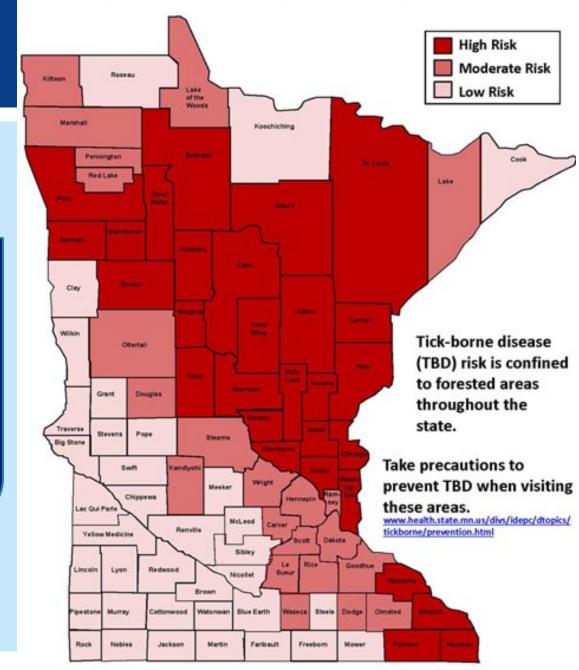
High fever	Chills	Larva Nymph
Muscle aches	Nausea	
Vomiting	Anemia	A AN

HIGH RISK COUNTIES IN MINNESOTA

Click here to view a larger version of this map on the Minnesota Department of Health website.

Minnesota Tick-borne Disease Risk*

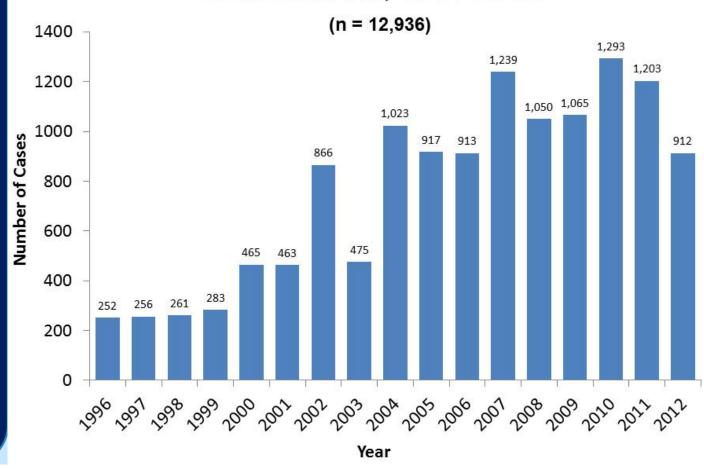
*Based on average incidence (cases/100,000 population) of Lyme disease and human anaplasmosis cases in Minnesota, 2007-2011



CASES OF LYME DISEASE IN MINNESOTA

<u>Click here</u> to view a larger version of this graph on the Minnesota **Department** of Health website.

Reported Cases of Lyme Disease in Minnesota, 1996-2012



TICK BITE PREVENTION MEASURES



AFTER WORKING IN TICK HABITAT



Check your body for ticks immediately after working or recreating outdoors

Take a shower as soon as possible; scrub and towel-off briskly



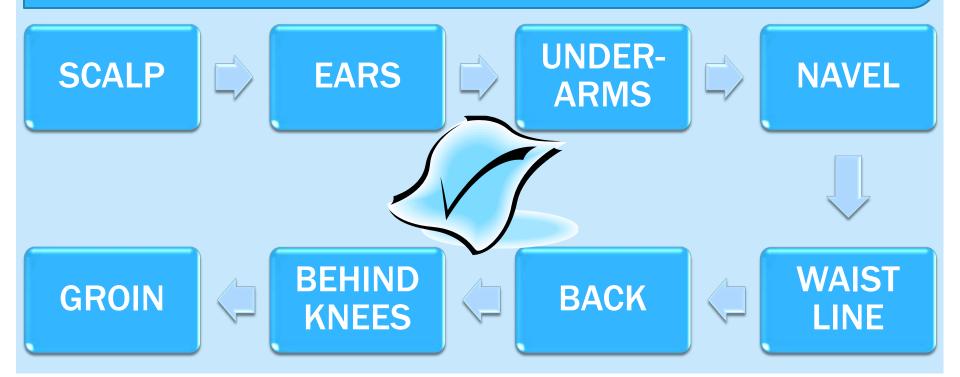


Check your body daily for ticks when working outdoors in wooded and grassy areas

Report suspected tick-borne illnesses to your supervisors and visit a clinic

DAILY TICK CHECKS

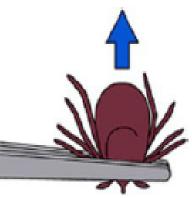
Stop periodically to check your clothing for crawling ticks and your body for embedded ticks. Promptly remove embedded ticks and clean the wound with antiseptic as soon as possible.



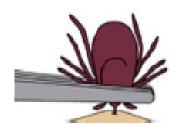
BEST PRACTICES FOR REMOVING TICKS

HOW TO SAFELY REMOVE AN EMBEDDED TICK

- Grasp the tick close to the skin with a pair of tweezers.
- Pull the tick outward slowly, gently, and steadily.
- 3. Don't squeeze the tick.
- 4. Use antiseptic on the bite.







DO YOU HAVE QUESTIONS ABOUT PREVENTING TICK-BORNE ILLNESS?

ASK YOUR SUPERVISOR OR A MEMBER OF THE SAFETY PROGRAM STAFF Safety and Risk Supervisor 651-259-5471

Safety Admin. Northwest and Northeast Regions 218-999-7856

Safety Admin. Central and Southern Regions 651-259-5489