

Upper Midwest Tick Prevention Study Minnesota Questionnaire

Form Approved
OMB Control No.: 0920-1150
Expiration date: 12/31/2019

On behalf of the Minnesota Department of Health, thank you for your interest in our research study.

This questionnaire will be available from July 8, 2019, through August 9, 2019, or until 1,000 participants have submitted their responses. Please complete the questionnaire as soon as possible.

Answer the following questions to find out if you are eligible to participate.

You must be 18 years of age or older to participate in this research study. Are you 18 years of age or older? Yes No

We're sorry. You must be 18 years of age or older to take part in this research study. Please have the adult in your household with the most recent birthday complete the questionnaire.

To help us get responses from a variety of adults, we are asking for the adult in the household with the most recent birthday to participate in this research study. Yes No

Are you the adult in your household with the most recent birthday?

We're sorry. In order for us to get responses from a variety of adults, you must be the adult in your household with the most recent birthday to take part in this research study. Please have the adult who can answer these questions complete the questionnaire.

You are eligible to participate in our research study!

This voluntary questionnaire will take 5 to 10 minutes to complete. You may refuse to answer any question and you can stop the questionnaire at any time by simply closing your browser.

If needed, you may stop the questionnaire at any time and return to it later. Click the "Save & Return Later" button at the bottom of any page. You will be given instructions to write down a RETURN CODE (this is different than the Access Code in your invitation postcard), then use the link in your invitation to restart the questionnaire. After completing the questionnaire, please click the "SUBMIT" button on the last page. Once you click "SUBMIT" you will not be able to re-enter the questionnaire.

All of your information will be held in strict confidence. A summary of the data will be published or shared upon request but none of this information could be used to identify you or your household. If you have questions, problems accessing the questionnaire, or would like to withdraw your responses, please email Dr. Jenna Bjork at Jenna.Bjork@state.mn.us or call 651-201-5803. If you have any questions about your rights as a participant, please call or email. For more information on confidentiality protections, please visit the Centers for Disease Control and Prevention.

Please click "Next Page" below to start the questionnaire now!

Public reporting burden of this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA 0920-1150

Section 1 of 5**The first questions ask about your experiences with ticks and diseases spread by ticks.**

On average, between the months of April through October, how often do you spend time in places where ticks could get on you, like wooded or brushy areas?

- Every day
 Every week
 Every month
 Less than once a month
 Once or twice a season
 Never

Have you ever removed a tick from your skin or clothing?

- Yes
 No

In the last year, have you removed a tick from your skin or clothing?

- Yes
 No

How likely are you to get ticks on you...

	Not at all	Slightly	Somewhat	Very	Extremely	Not applicable
...around your home?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...around your cabin or vacation home?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...while at work?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...around recreational areas in your community?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
...at other locations or doing other activities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

You answered that you may get ticks on you while at work. What is your occupation?

You answered that you are likely to get ticks on you doing other activities not listed above. Please describe these activities.

Which of the following illnesses have you heard of?

	Yes	No
Lyme disease	<input type="radio"/>	<input type="radio"/>
Anaplasmosis	<input type="radio"/>	<input type="radio"/>
Babesiosis	<input type="radio"/>	<input type="radio"/>
Ehrlichiosis	<input type="radio"/>	<input type="radio"/>
Powassan virus disease	<input type="radio"/>	<input type="radio"/>
Rocky Mountain spotted fever	<input type="radio"/>	<input type="radio"/>

How serious do you feel each of the following illnesses are?

	Not at all	Slightly	Somewhat	Very	Extremely	Don't know
Lyme disease	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anaplasmosis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Babesiosis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ehrlichiosis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Powassan virus disease	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rocky Mountain spotted fever	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In the community where you live, how common do you think diseases spread by ticks are?

- Not at all
 Slightly
 Somewhat
 Very
 Extremely

In the coming year, how likely do you think it is that you or another person in your household will get a disease spread by ticks?

- Not at all
 Slightly
 Somewhat
 Very
 Extremely

Has any person in your household, including yourself, ever been diagnosed by a health care provider as having a disease spread by ticks?

	Yes	No
In the past year	<input type="radio"/>	<input type="radio"/>
1 to 5 years ago	<input type="radio"/>	<input type="radio"/>
More than 5 years ago	<input type="radio"/>	<input type="radio"/>

Section 2 of 5

The following questions ask about what precautions you take to protect yourself and others in your household from ticks.

After being outdoors in places where you could get ticks, how often do you check yourself thoroughly for ticks?

- Never
- Rarely
- Sometimes
- Most of the time
- Always

Which of the following are reasons why you do not always check yourself thoroughly for ticks?

- You forget
 - You think it is too much trouble
 - You do not think you could find a tick on yourself
 - You check for ticks but not thoroughly
 - You are not worried about ticks
- (Check all that apply)

Are there other reasons why you do not always check yourself thoroughly for ticks?

When you are outdoors in places where you could get ticks on you, how often do you use bug repellent on your skin or clothing?

- Never
- Rarely
- Sometimes
- Most of the time
- Always

Which of the following are reasons why you do not always use bug spray on your skin or clothing?

- You forget to use or bring bug spray
 - You are concerned about the cost of bug spray
 - You are concerned about the safety of bug spray for yourself or your family
 - You did not know this might prevent tick bites and diseases spread by ticks
 - You do not like bug spray
 - You are not worried about ticks
- (Check all that apply)

Are there other reasons why you do not always use bug repellent on your skin or clothing?

Have you ever treated your property, either at your home or at a cabin or vacation home, with a pesticide to kill ticks?

- Yes
 No
 Don't know

Did you treat your property with pesticide yourself or did you hire a professional to do it?

- Treated it myself
 Hired a professional
 Do not remember
(Please check all that apply)

Which of the following are reasons why you have not treated your property with a pesticide to kill ticks?

- You did not know lawn-based pesticides to kill ticks were available
 It seemed like too much work
 You are concerned about the cost
 You are concerned about the health or safety of yourself, your family, or the environment
 You are not worried about ticks on your property
(Check all that apply)

Are there other reasons why you have not treated your property with a pesticide to kill ticks?

Have you ever treated your property, either at your home or at a cabin or vacation home, with devices that apply pesticide to rodents to kill ticks?

- Yes
 No
 Do not know

Examples of devices like this are the Damminix or Thermancell tick tube.

Did you treat your property with these rodent devices yourself or did you hire a professional to do it?

- Treated it myself
 Hired a professional
 Do not remember
(Please check all that apply)

Which of the following are reasons why you have not treated your property with devices that apply pesticide to rodents to kill ticks?

- You did not know such rodent devices with pesticide were available
 It seemed like too much work
 You are concerned about the cost
 You are concerned about the health or safety of yourself, your family, or the environment
 You are not worried about ticks on your property
(Check all that apply)

Are there other reasons why you have not treated your property with devices that apply pesticide to rodents to kill ticks?

Section 3 of 5

The following questions ask about prevention methods you may be willing to do to protect yourself and others in your household from ticks. The methods listed may be available now or may become available in the future. Assume that all of the methods listed are safe and effective.

Before or after spending time in places where ticks could get on you, which of the following would you be willing to do to protect yourself and others in your household from ticks?

- Check for ticks at least once a day
 - Shower or bathe within two hours of being outdoors
 - Tumble-dry clothing or gear on high heat for at least ten minutes
 - Treat pet(s) with a product to prevent tick bites
 - Use a natural bug repellent, like oil of lemon eucalyptus, on your skin or clothing
 - Use a synthetic bug repellent, like DEET, on your skin or clothing
 - Wear clothing that has been pretreated with a long-lasting bug repellent, like permethrin
- (Check all that apply)

Imagine you are considering private options for controlling ticks on your own property. Suppose you were able to use products that would not threaten human or animal health and would pose minimal risk to the environment. Use of the products would cut in half the probability that someone in your household gets a disease spread by ticks.

- Apply over-the-counter tick control products to the property yourself
- Hire a pest control company to do the work
- Do nothing, as you are not interested in property level tick control

Which one of the following best describes what you would do in this situation?

Annually, how much money would you be willing to spend for the following yard-based options to protect yourself and others in your household from ticks?

	\$0 each year	\$1 to \$49 each year	\$50 to \$99 each year	\$100 to \$299 each year	\$300 to \$499 each year	More than \$500 each year
Natural pesticide application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Synthetic pesticide application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Devices that apply pesticide to rodents to kill ticks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landscaping such as adding hardscaping, rock or mulch borders, and leaf or brush removal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Annually, how much money would you be willing to spend for the following yard-based options to protect yourself and others in your household from ticks?

	\$0 each year	\$1 to \$99 each year	\$100 to \$299 each year	\$300 to \$499 each year	\$500 to \$999 each year	More than \$1000 each year
Natural pesticide application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Synthetic pesticide application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Devices that apply pesticide to rodents to kill ticks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Landscaping such as adding hardscaping, rock or mulch borders, and leaf or brush removal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Now imagine that local officials are considering a county-wide tick control program. Suppose they will use products that would not threaten human or animal health and would pose minimal risk to the environment. The program would cut in half the number of people in the county who get a disease spread by ticks. In your county, surrounding your home, cabin, or vacation home, which of the following would you be in favor of?

	Yes	No
Spraying with a natural pesticide	<input type="radio"/>	<input type="radio"/>
Spraying with a synthetic pesticide	<input type="radio"/>	<input type="radio"/>
Treating rodents with a pesticide	<input type="radio"/>	<input type="radio"/>
Treating deer with a pesticide	<input type="radio"/>	<input type="radio"/>
Changing landscaping, such as maintaining trails, mowing frequently, and removing leaves and brush	<input type="radio"/>	<input type="radio"/>

Next, imagine that local officials are considering publicly funded options for a county-wide tick control program. The program would be paid for by adding an annual per household surcharge to local taxes from county residents. If a majority of residents were in favor of the program, your local taxes would go up by \$10 per year.

- Yes
 No

Would you vote yes or no for this program?

Suppose instead that your household would pay \$30 per year in additional local taxes for the program. Would you vote yes or no?

- Yes
 No

Finally, imagine that your household surcharge would be \$50 per year for the program. Would you vote yes or no?

- Yes
 No

Section 4 of 5

The following questions will help us understand how you prefer to learn about the prevention of diseases spread by ticks.

Prior to taking part in this study, have you seen any information about ticks or the prevention of diseases spread by ticks from the Minnesota Department of Health, such as its website, brochures, posters, or speakers?

- Yes
 No
 Don't know

How helpful would you or others in your household find each of the following resources for preventing diseases spread by ticks?

	Not at all	Slightly	Somewhat	Very	Extremely
Online resources such as a website, archived webinars, podcasts, or YouTube videos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Printable resources such as fact sheets, tick identification cards, or brochures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community resources such as billboards, posters, or signs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In-person presentations or discussions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regular email or text updates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A smartphone app	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are there any particular topics you would like to know more about in order to help you or others in your household protect yourselves from ticks?

Section 5 of 5

The final section of this survey asks a few demographic questions about you and your household.

Currently, in which county do you live?

- Aitkin
- Anoka
- Becker
- Beltrami
- Benton
- Big Stone
- Blue Earth
- Brown
- Carlton
- Carver
- Cass
- Chippewa
- Chisago
- Clay
- Clearwater
- Cook
- Cottonwood
- Crow Wing
- Dakota
- Dodge
- Douglas
- Faribault
- Fillmore
- Freeborn
- Goodhue
- Grant
- Hennepin
- Houston
- Hubbard
- Isanti
- Itasca
- Jackson
- Kanabec
- Kandiyohi
- Kittson
- Koochiching
- Lac qui Parle
- Lake
- Le Sueur
- Lincoln
- Lake of the Woods
- Lyon
- Mahnomen
- Marshall
- Martin
- McLeod
- Meeker
- Mille Lacs
- Morrison
- Mower
- Murray
- Nicollet
- Nobles
- Norman
- Olmsted
- Otter Tail
- Pennington
- Pine
- Pipestone
- Polk
- Pope
- Ramsey
- Red Lake
- Redwood
- Renville
- Rice
- Rock
- Roseau
- Scott

- Sherburne
- Sibley
- Stearns
- Steele
- Stevens
- St. Louis
- Swift
- Todd
- Traverse
- Wabasha
- Waseca
- Washington
- Watonwan
- Wilkin
- Winona
- Wright
- Wadena
- Yellow Medicine

Which one of the following best describes the type of area in which you currently live?

- Urban
- Suburban
- Town
- Rural

What is your gender?

- Female
- Male
- Other
- Prefer not to answer

You said that you identify as a gender other than female or male. Please tell us:

What is your age (in years)?

How do you describe your ethnicity?

- Hispanic or Latino
- Not Hispanic or Latino
- Prefer not to answer

How do you describe your race?

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- Prefer not to answer

What is the highest level of education you have completed?

- Never attended school
- Some high school or less
- Completed high school or obtained GED or alternative credential
- Trade school such as cosmetology school or electrical school
- Some college
- Associate's degree or a 2-year college degree
- Bachelor's degree or a 4-year college degree
- Master's degree
- Advanced degree such as a Ph.D, a law degree, or a medical degree
- Prefer not to answer

Including all sources, what is your current total annual household income before taxes?

- Less than \$25,000
- \$25,001 to \$40,000
- \$40,001 to \$55,000
- \$55,001 to \$65,000
- \$65,001 to \$75,000
- \$75,001 to \$100,000
- More than \$100,000
- Prefer not to answer

Thank you for your time today! Your responses will help inform tick bite prevention efforts. The last question of the survey is important for you to receive your thank-you letter and gift card.

IMPORTANT! You must click on the "SUBMIT" button below and then the "CLOSE SURVEY" button on the next page to make sure you receive your \$10 gift card.

Please look at the address listed on your postcard. Is this the address to which you would like your gift card mailed?

- Yes
 No
 Prefer not to answer
(Please select "no" to change the mailing address on file or to provide more detail to your current mailing address (such as unit number or name).)

Please enter the mailing address to which you would like your gift card mailed. If you prefer to call or email us this information instead, please indicate this in the text box so it is not left blank.

(If you prefer not to submit your address with your survey responses but would still like to receive a gift card, you must contact the study coordinator, Dr. Jenna Bjork, by calling 651-201-5803 or emailing Jenna.Bjork@state.mn.us before September 1st, 2019.)

If you prefer not to tell us your address then we will not be able to send you a gift card for participating in our study. Please answer "Yes" or "No" to the previous question if you would like to receive a gift card or click on the "SUBMIT" button below to proceed with submitting your questionnaire.