

APPENDIX A – TICK-BORNE DISEASE SURVEY

ASSESSING COLLEGE STUDENTS' KNOWLEDGE, ATTITUDES, AND BEHAVIORS REGARDING DISEASES SPREAD BY TICKS

SURVEY INSTRUCTIONS: For each of the statements below, please use a pencil to circle your answer.

I. DEMOGRAPHIC AND BACKGROUND DATA

1. Sex
(A) Male (B) Female
2. Race/Ethnicity (mark all that apply)
(A) Asian (B) Black (C) Native American (D) Pacific Islander
(E) White (F) Hispanic
3. Class level
(A) Freshman (B) Sophomore (C) Junior
(D) Senior (E) Graduate (F) Law (G) Medical
4. Age

5. In which of the following outdoor activities do you participate? Check all that apply.
(A) Hunting (B) Hiking (C) Picnicking (D) Fishing (E) Camping
(F) Frisbee golf (G) Gardening (H) Golf (I) Other (please list) _____
6. Have you ever been told by a doctor that you have caught a disease that is spread by ticks?
(A) Yes (B) No (C) Not sure
7. Do you personally know anyone that has caught a disease spread by ticks?
(A) Yes (B) No (C) Not sure
8. Have you ever had a tick attach itself to you?
(A) Yes (B) No (C) I do not know
9. Which of the following have you used to prevent tick bites? Check all that apply.
(A) Use a repellent containing DEET (B) Wear light colored clothing
(C) Avoid tick infested areas (D) Use a repellent containing natural oils (i.e. lemongrass)
(E) I do not use preventive measures (F) Permethrin (Clothing pre-treatment)
(G) Checking your body for ticks after being in areas were ticks occur
(H) Other (please list) _____
10. Which of the following pets do you have in your house?
(A) Cat (B) Dog (C) Both Cat and Dog (D) Do not have pets
11. I live in a state that has a tick awareness campaign.
(A) Yes (B) No (C) Do not know

II. KNOWLEDGE

DIRECTIONS: For each of the statements below please select only one answer.

12. Symptoms of having a disease spread by ticks include:

- (A) Fever (B) Muscle Pain (C) Nausea (D) Rash
(E) Seizures (F) Only B and D (G) All of the above (H) Do not know

13. Besides avoiding areas where ticks occur, the most effective method for preventing tick bites is:

- (A) Use a repellent containing DEET (B) Wear light colored clothing
(C) Use a repellent containing natural oils, i.e. lemongrass (D) Permethrin treated clothing
(E) Combination of A and D (F) Combination of B and C

14. Lyme disease is:

- (A) A disease spread by ticks (B) A disease spread by mosquitoes
(C) A disease spread by spiders (D) A chronic disease like cancer or diabetes

15. Tweezers should be used for properly removing ticks.

- (A) True (B) False

16. Ehrlichiosis is:

- (A) A disease spread by ticks (B) A disease spread by mosquitoes
(C) A disease spread by spiders (D) A chronic disease like cancer or diabetes

17. Applying cologne, gasoline, Vaseline, or alcohol are good methods for removing attached ticks.

- (A) True (B) False

18. When ticks attach, they can be found anywhere on the skin's surface. However, ticks most commonly attach where?

- (A) Head and groin (B) Head and back
(C) Legs and groin (D) Legs and ankles

19. Ticks most active between:

- (A) April - September
(B) May - July
(C) May - August
(D) April - July
(E) Do not know

20. Hard ticks, which are capable of spreading disease, are most commonly found in which type of area?

- (A) Open environments (grass, trees, and shrubs)
(B) Sheltered environments (animals nests and burrows)
(C) On warm-blooded animals
(D) Do not know

21. One tick can carry and spread several diseases at once.

- (A) True (B) False

III. BELIEFS AND ATTITUDES

DIRECTIONS: Please indicate your agreement with the following statements by circling the corresponding letter of the following scale. Please select only one answer for the following question.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
22. I believe tick repellents are effective.	A	B	C	D	E
23. Catching a disease spread by ticks is unavoidable.	A	B	C	D	E
24. I am at risk for catching a disease spread by ticks.	A	B	C	D	E
25. By using proper prevention strategies, I can prevent diseases spread by ticks.	A	B	C	D	E
26. Diseases spread by ticks do not occur in my area	A	B	C	D	E
27. I believe Ehrlichiosis is an extremely serious illness.	A	B	C	D	E
28. I believe that tick repellents can make you ill.	A	B	C	D	E
29. There should be more education about diseases spread by ticks.	A	B	C	D	E
30. I believe that it is safe to crush a tick with the fingers after removal.	A	B	C	D	E
31. The state that I live in has an effective tick awareness campaign.	A	B	C	D	E

IV. BEHAVIORS

DIRECTIONS: Please indicate your agreement with the following statements using the following scale. Please select only one answer for the following question.

	Almost never	Rarely	Often	Almost always
32. When in areas that may increase my chances of exposure to ticks, I use tick repellents on my skin.	A	B	C	D
33. I participate in outdoor activities where ticks occur.	A	B	C	D
34. I wear light-colored, long sleeves and pants whenever I plan to be in areas where ticks occur.	A	B	C	D
35. I avoid tick infested areas during peak tick season.	A	B	C	D
36. After exposure to tick habitats, I thoroughly check my body for ticks.	A	B	C	D
37. I avoid places where ticks occur whenever possible.	A	B	C	D
38. When in tick infested areas, I tuck my pants into socks or boots.	A	B	C	D
39. After possible tick exposure I launder my clothing as soon as I get home.	A	B	C	D
40. When bitten by a tick, I apply a disinfectant to the skin where the bite occurred after removal of the tick.	A	B	C	D
41. When in areas that may increase my chances of exposure to ticks, I use tick products containing permethrin to pre-treat clothing.	A	B	C	D

THANK YOU FOR COMPLETING THIS SURVEY