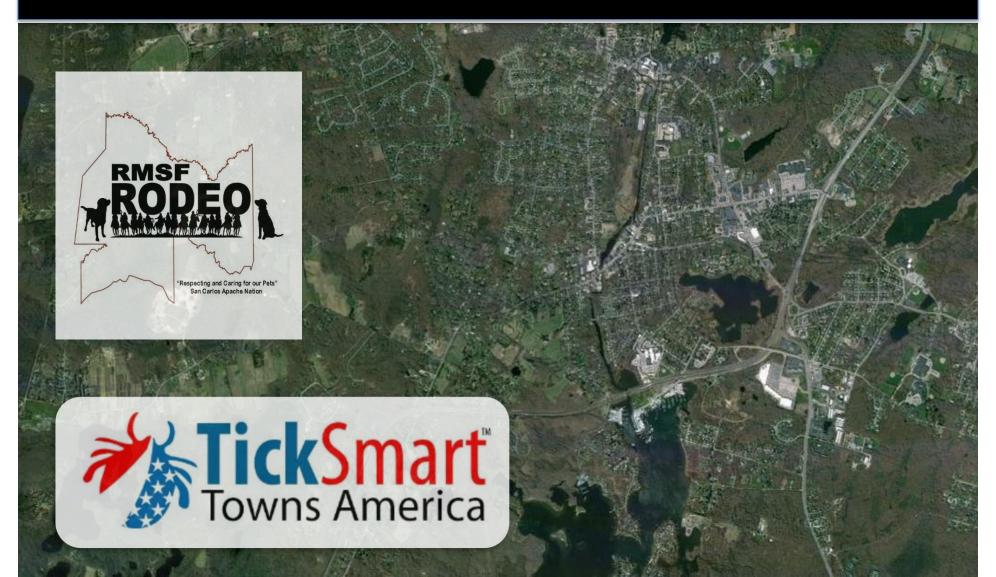
GETTING ITM DONE...

COMMUNITY ENGAGEMENT FOR IMPLEMENTATION

THOMAS MATHER Univ. of Rhode Island



A good idea is not enough...

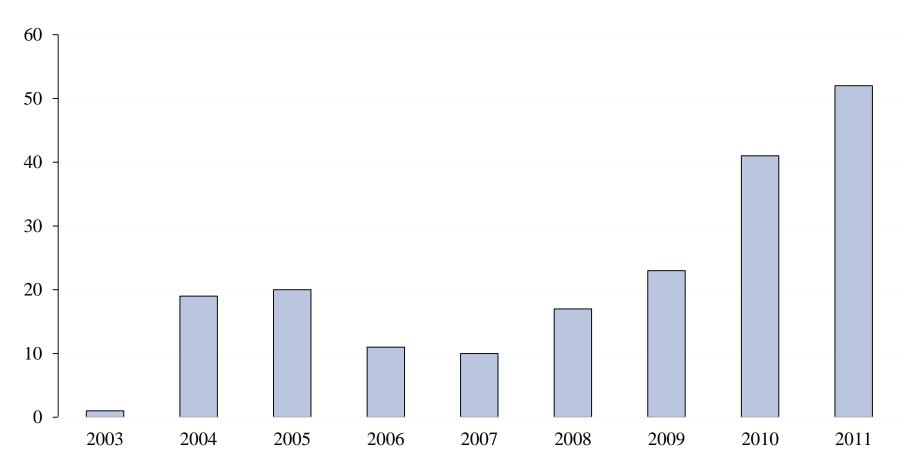
PREREQUISTE FOR ADOPTION

For health promotion to be effective, people must believe that...

- They're susceptible and likely to fall victim to disease
- Disease will cause them significant adverse consequence
- Adopting preventive practice actually is effective
- "I can do that!" belief in ability to do preventive practice

Increasing Number of Reported Human Cases in Arizona

SCAT Rodeo Project



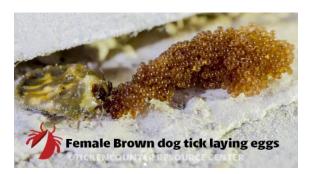
*18 Deaths 2003-2012 (7% Case Fatality Rate)

RMSF SUSPECTED CASES FROM MARCH 20 – JULY 16, 2012

The San Carlos Apache Tribe has an average of **greater than 6****RMSF suspected cases per day*

from March 20 – July 16, 2012 (118 days)

Age Groups	Cases	Mean Cases/ Day
Children (0-18 yrs)	497 CASES	4.2 per DAY
Adults (>18 yrs)	297 CASES	2.5 per DAY
TOTAL	794 CASES	6.8 per DAY





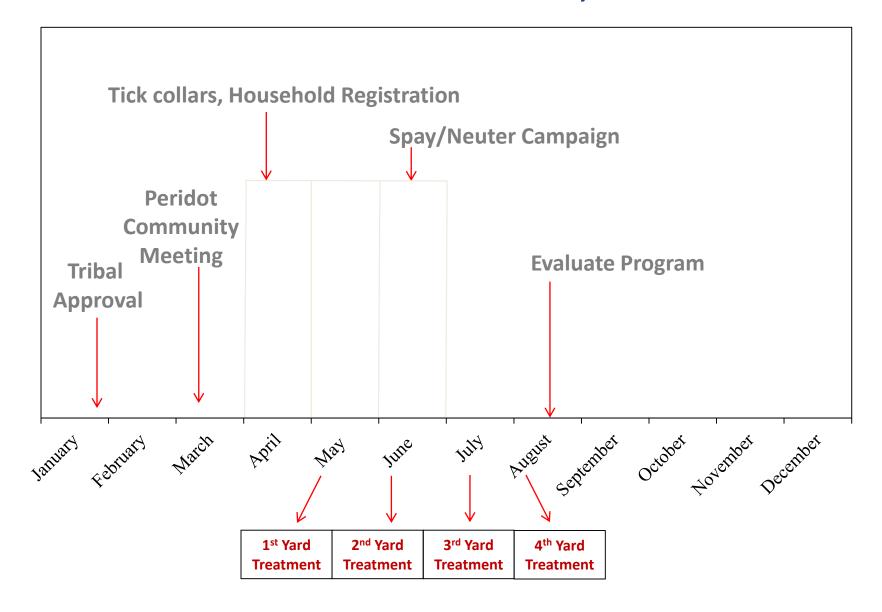


THE RMSF RODEO PROJECT :2012

- Project divided in six primary rotating phases:
 - Dog population count
 - Collar and register all dogs in study area
 - Spray each home 4 times
 - Tick counts in environment
 - Spay/neuter clinic
 - Knowledge, attitudes and practices survey
- Provide data for tribe to expand reservation-wide



RMSF RODEO TIMELINE, 2012



Field Team Objectives

- 1. Visit every home
- 2. Collar, register, tie-outs, follow up on dogs
- 3. Educate homeowners
- 4. Treat yards for ticks

Eliminate Ticks!

Tick Collars for Dogs

- Seresto ®, new premarket tick collar provided by Bayer4.5% Flumethrin, 10%
 - imidacloprid
 - Visible marker of treatment
 - Utility in harsh environment unknown
 - Expected to last complete season (8 months)
- Applied with tribal/owner consent

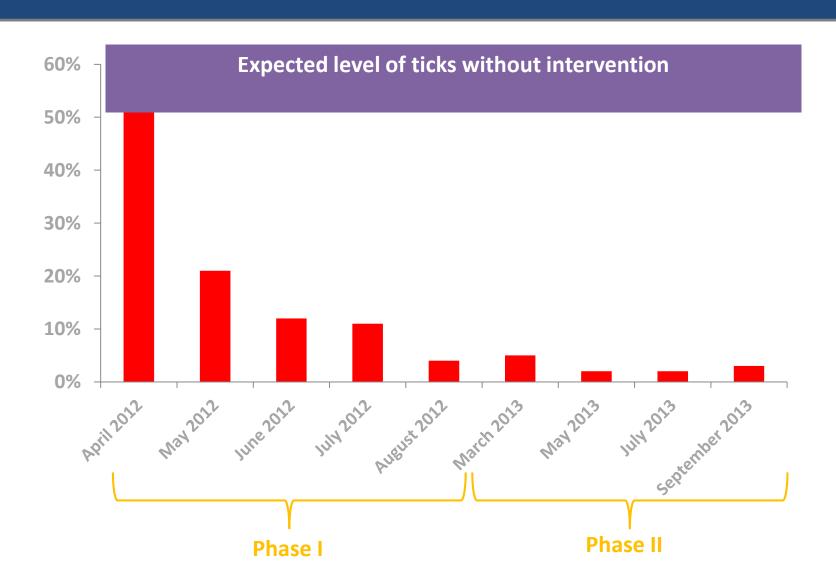




Properly Timed Pesticide Treatments



Tick Counts on Dogs at RMSF Rodeo Home sites

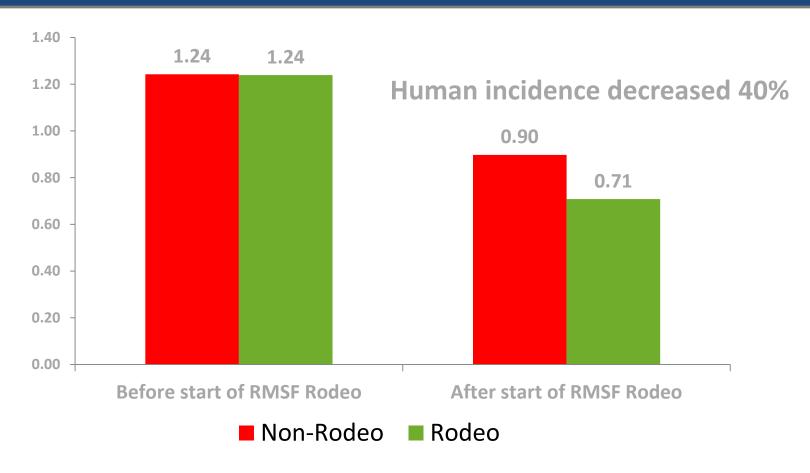


Tick Traps at Rodeo Home sites

Environmental Counts



Human incidence of R. rickettsii



Includes surveillance data 2 years prior to start of RMSF Rodeo, and 2 years after

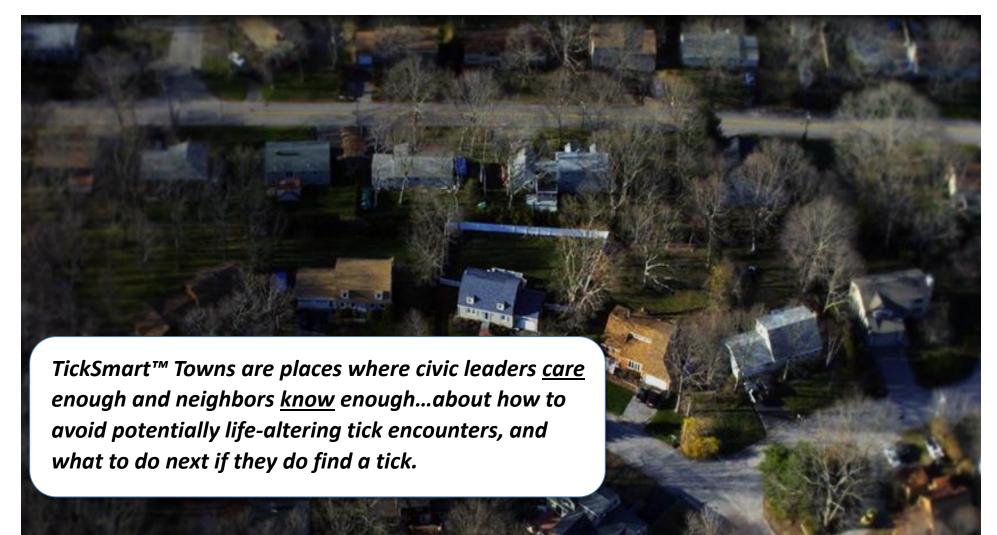
KEYS TO SUCCESS

- •99% Compliance in target community
- High level of perceived susceptibility
- High level of concern for severe outcome
- Implementation was free





A Community-driven Public Health Strategy for Solving America's Tick Problem



More Ticks In More Places... ...and likely even more to come!



...and likely even more to come!

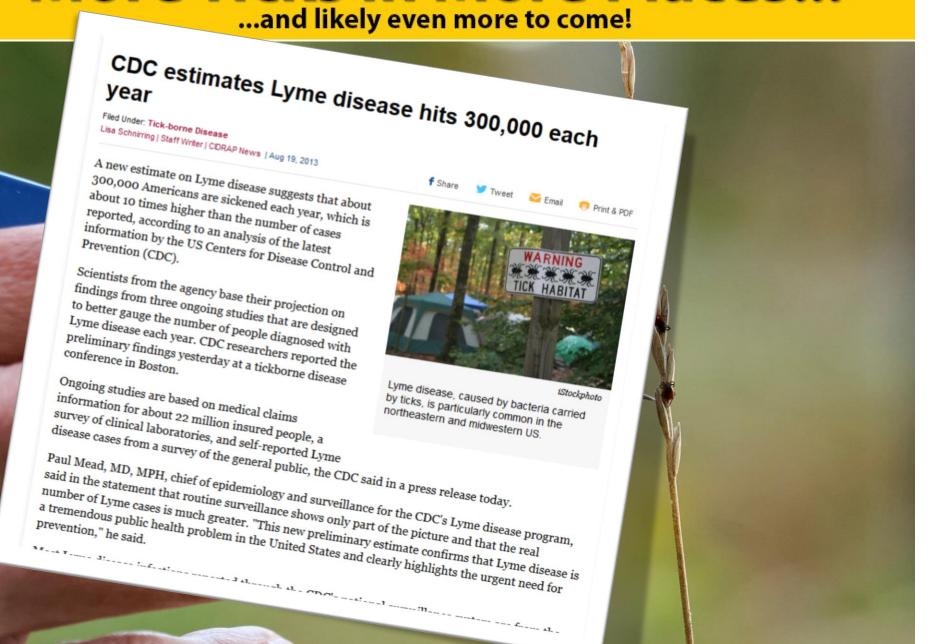
THAT'S A PROBLEM

...and likely even more to come!

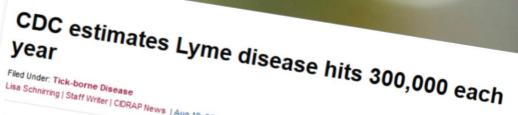


...'cause ticks can make you sick.

Sometimes real sick!



...and likely even more to come!



Lisa Schnirring | Staff Writer | CDRAP News | Aug 19, 2013

A new estimate on Lyme disease suggests that about 300,000 Americans are sickened each year, which is about 10 times higher than the number of cases reported, according to an analysis of the latest information by the US Centers for Disease Control and

Scientists from the agency base their projection on findings from three ongoing studies that are designed to better gauge the number of people diagnosed with Lyme disease each year. CDC researchers reported the preliminary findings yesterday at a tickborne disease

Ongoing studies are based on medical claims information for about 22 million insured people, a survey of clinical laboratories, and self-reported Lyme

disease cases from a survey of the general public, the CDC said in a press release today. Paul Mead, MD, MPH, chief of epidemiology and surveillance for the CDC's Lyme disease program, said in the statement that routine surveillance shows only part of the picture and that the real number of Lyme cases is much greater. "This new preliminary estimate confirms that Lyme disease is a tremendous public health problem in the United States and clearly highlights the urgent need for Man I am distribution and described and an all an all an all and an all and an all an all an all and an all an



Lyme disease, caused by bacteria carried by ticks, is particularly common in the northeastern and midwestern US.



21% of households

According to the CDC, 21% of households reported at least one tick encounter during the past year.



And In This "More Ticks In More Places World"...

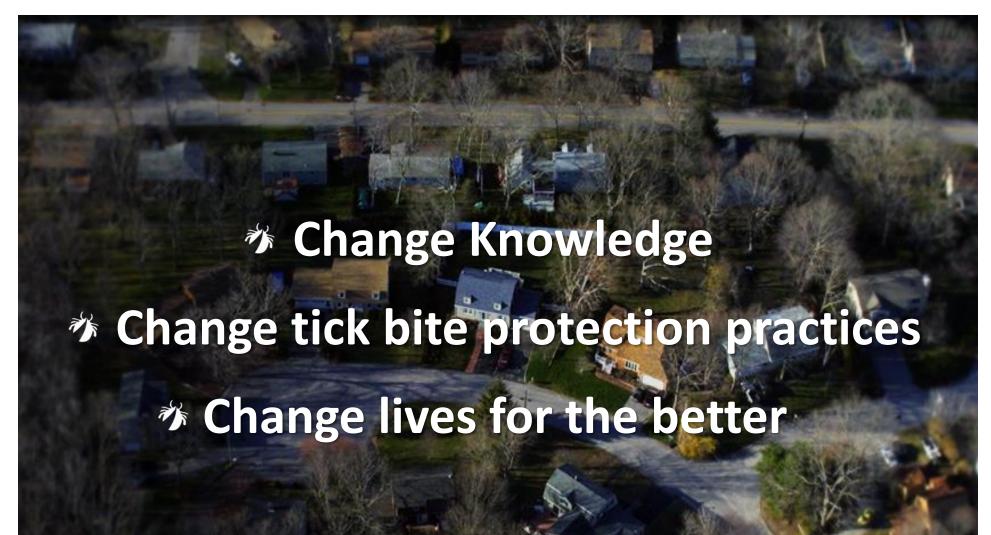


...and likely even more to come!

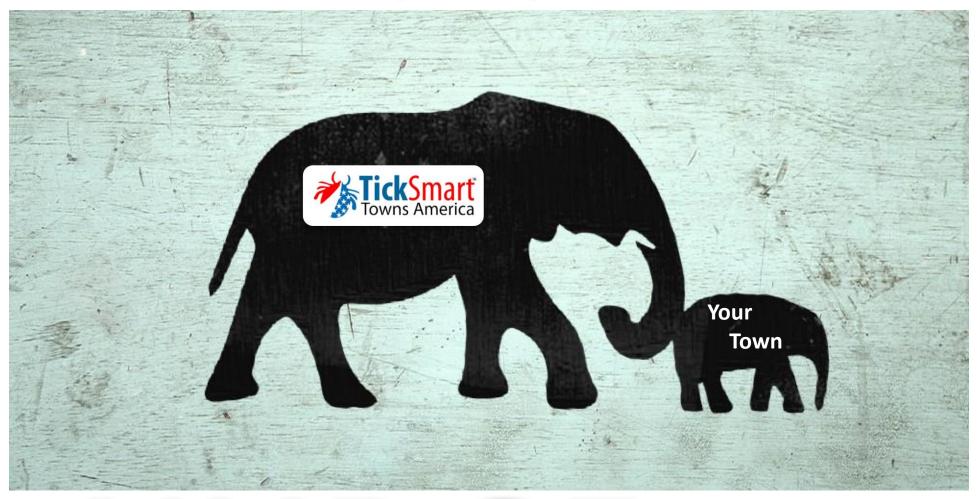




A Community-driven Public Health Strategy for Solving America's Tick Problem



Because everybody could use a....

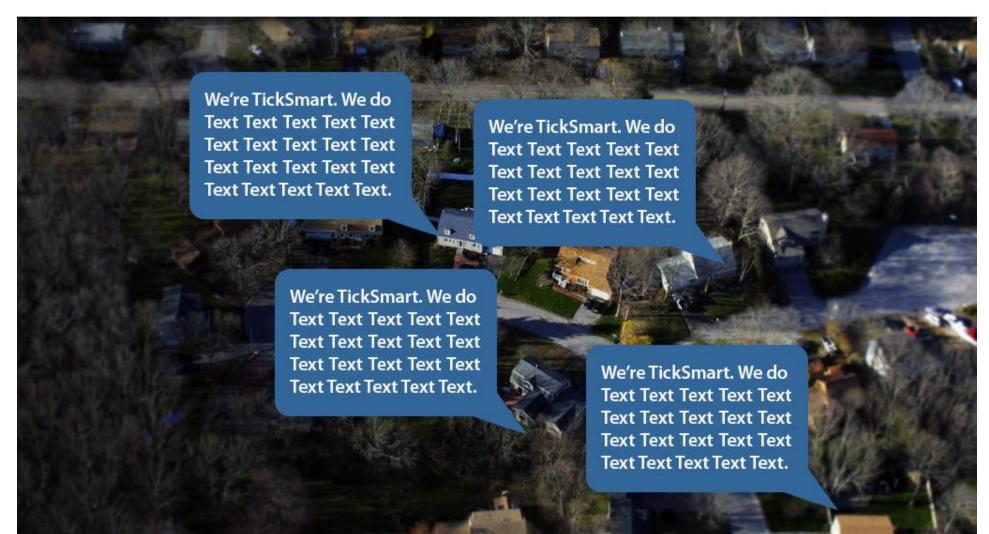


NUDGE

to make better choices



A Community-driven Public Health Strategy for Solving America's Tick Problem



TickSmart Towns America



MEMBERSHIP BENEFITS

TickSmart™ Advisor

Your TickSmart™ Advisor is a change agent and pacesetter, backed by a team of experienced tick scientists and health communication experts. Works directly with your town's Tick Task Force point person, coordinator or committee to help turn insights into ideas, action and impact. TickSmart** Advisors are skilled in launching and supporting campaigns that ensure client success.

TickReport™ Tick Testing

100 subsidized* tick tests annually, with testing conducted by UMass Laboratory of Medical Zoology. *Requires \$20 user co-pay to TickReport™ upon submission

TickSpotters 24/7

Access to expert tick identification and riskiness assessment. Each submission (w/picture) receives a personalized Tick-Spotters Report within 24-36 hrs, based on the submitted picture. Report includes tick id, riskiness assessment and best next-step actions.

TickSmart™ Live! Webinar Events

Member towns can host up to two 20-30 minute webinars annually featuring URI's TickGuy, Dr. Tom Mather. Each webinar is delivered live & features direct interaction.

TickSmart™ Educator Certification

Three hour live TickSmart™ training as well as supplemental training with the purchase of TickSmart** Learning Kit modules.

TickSmart™ Messages

Annual non-transferrable, rights managed license w/unlimited reproduction rights of seasonally-relevant TickSmart** messages (signs, posters, rack cards).

TickSmart™ Web Content

Gives any member town entity (e.g. schools, libraries, churches) TickSmart* web content (e.g. tick photos, web applications like Current Tick Activity, The TickGuy vetted F.A.O. text) with an annual rights managed license allowing unlimited distribution to town entities.

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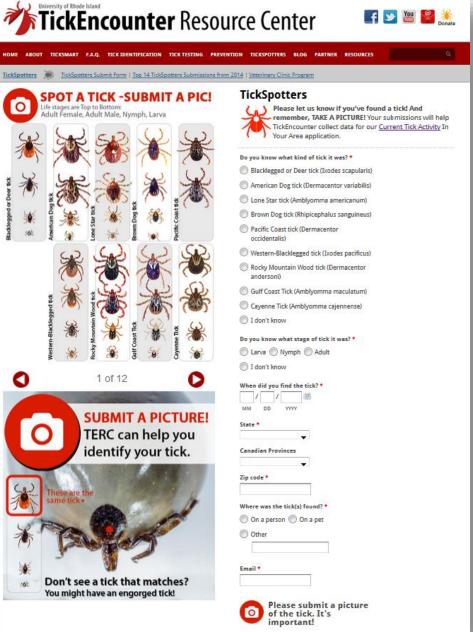














Requires \$20 Co-pav

Tests for 5 germs

Lyme
Babesia
Anaplasma
Borrelia miyamotoi
Borrelia mayoni



Print Report

Order #10589

Tick ID

20140707-55

Date

Fax: --

Tick Received: 0000-00-00 Report Created: 2014-07-08 22:43:18

Submitter Information

Incia Li			
	Road		
Watertown, NY	Watertown, NY 13601		
Email	@rocketmail.com		
Phone:			

Tick Information

Species: Ixodes scapularis Sex: female Stage: adult Feeding State: partially fed

Patient/Host Information

Host Source: human Gender: female Age: 9 City: Watertown State: Ne Zip: 13601 Attached: Yes Site of Attachment: Head Rash Present: No

Client Notes

Pill Container



209 Fernald Hall 270 Stockbridge Rd. University of Massachusetts Amherst, MA 01003 http://www.umass.edu/lmz Imz@umass.edu



Tests Results

The following tests have already been ordered

Test Name	Date Ordered	Result
Borrelia burgdorferi sensu latu	2014-07-14	negative
Anaplasma phagocytophilum	2014-07-14	negative
Babesia microti	2014-07-14	negative

Additional Tests Available

We securely store all ticks so that you can order additional tests at a later date.

Check off each additional test you'd like to order. Results will be emailed to you in 1-5 business days.

Test Description	Cost	Request
•		
Bartonella henselae	\$50	
Borrelia Ionestari	\$50	
Francisella tularensis	\$50	
Ehrlichia chaffeensis	\$50	
Ehrlichia canis	\$50	
Babesia divergens	\$50	
Borrelia miyamotoi	\$50	
Rickettsia rickettsii	\$50	0

Continue to Checkou





Norwell Public Schools









21st Century Schools for 21st Century Students

Food Services

- Overview
- Menus
- Meal Prices
- Student Lunch Accounts
- Nutritional Information
- Services and Programs
- Farm to School
- Resource Links

Norwell Public Schools > Operational Services > Food Services

School Lunch Menus



This site contains links below that lead to the individual school lunch menus. There is also a link that leads to a subscription page that allows for you to get the menu's through your email.

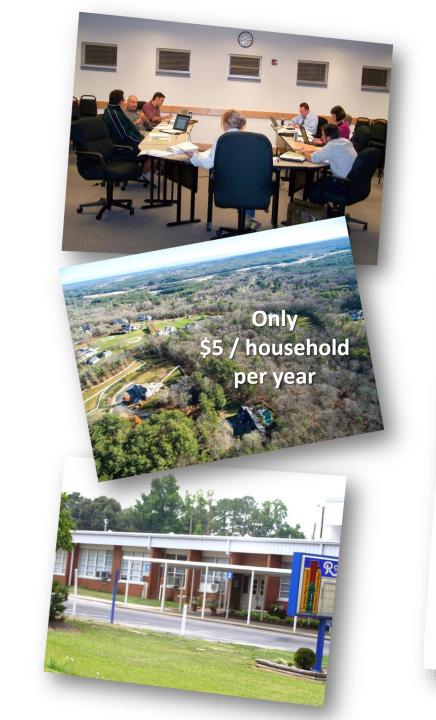














MEMBERSHIP ELIGIBILITY



In today's "more ticks in more places" world, who wouldn't want to live in a TickSmart™ Town? Places where civic leaders <u>care</u> enough and neighbors know enough about how to avoid potentially life-altering tick encounters? And they know what to do next if they find a tick, too.

To qualify as a TickSmart™ Towns America community, you must meet three standards established by the TickEncounter Resource Center. These standards were developed to help ensure that the program works optimally to engage the entire community in increasing tick literacy and tick bite prevention behaviors.

TickSmart™ Towns America -- Eligibility Criteria

Each TickSmart™ Town will:

1) Commission or form a tick task force, board, or other citizen-led committee, with a stated goal of reducing the impact of tickborne disease among community members. Often, town officials, professional town staff, business owners, and citizen volunteers work together on the task force or board to create the greatest impact and best access to available resources within the community.

The town's tick task force, board, or committee will appoint or engage a point person or coordinator who will become the main point of contact with their TickSmart™ Advisor.

2) Implement a community-wide tick literacy and tick reduction program based on TickSmart™ principles and core actions. To accomplish this, the town should plan to support this activity with an

Supporting the TickSmart™ Towns America effort at or above a minimum of \$5 per household ensures that funds will be available for an appropriate level of professional public health entomology risk assessment and advisory services, as well as to license community-wide distribution rights of high quality, multi-channel health communications messaging, training, and outreach.

3) Encourage and assist the local school district in offering tick literacy training using a grade-level appropriate, activity-driven tick education module in each grade level between 1st and 8th grades.

The TickEncounter Resource Center currently is developing a series of short, self-contained TickSmart™ modules that are NGSS compliant, and that will be available for adoption.

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TickSpotters



...It's TickSmart



active when it's cold outside. We're very vigilant about tick checks in spring, summer, and early fall, but I thought we were out of the woods (so to speak) at this time of year. I will change our winter behavior immediately. 99 Amy E, Salem NH



encounters since I started following all of the steps on your website. Two yard treatments, tick tubes, Insect Shield clothing, permethrin on shoes, and a lot more awareness. My family has not had any new tick encounters. 99 Jeff, NY

TickSpotters



...It's TickSmart

KEYS FOR SUCCESS

- Community makes investment
- Town tick committee actively promotes
- People <u>believe</u> prevention is effective
- People believe they can do ITM best practices
- Adoption of tick literacy training in schools

