

Tick Task Force Meeting

15 March 2016

Agenda

- Review survey results
- Review deer management program
- Discuss next steps
 - Discuss role/risks of acaricides
- Reminders

North Oaks Tick Survey 2016 Results

Results

- 745 responses (43% of households)
- Since moving to North Oaks 30.6% (228 households) have had at least one family member or pet diagnosed with a tick-borne illness
- 46.6% have other risks for tick exposure (other than living in North Oaks)
- 277 comments (<10 were negative)
- For those with a diagnosis nearly half report significant impact on quality of life (86/194)

Level of concern



Based on 742 responses

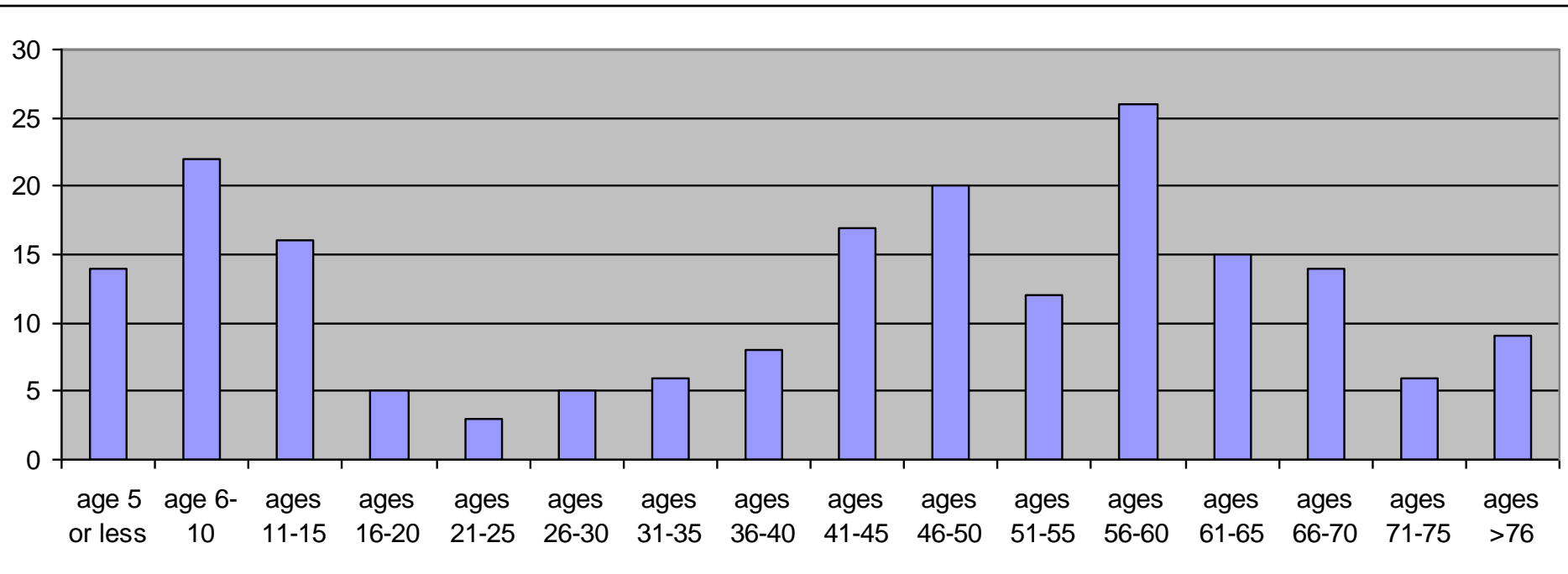
Numbers affected per household

How many members of your household were infected?

A	n s w e r O p t i o n s				
		1	2	3	>3
P	People	114	31	8	3
P	Pets	47	14	2	1

Based on 194 responses

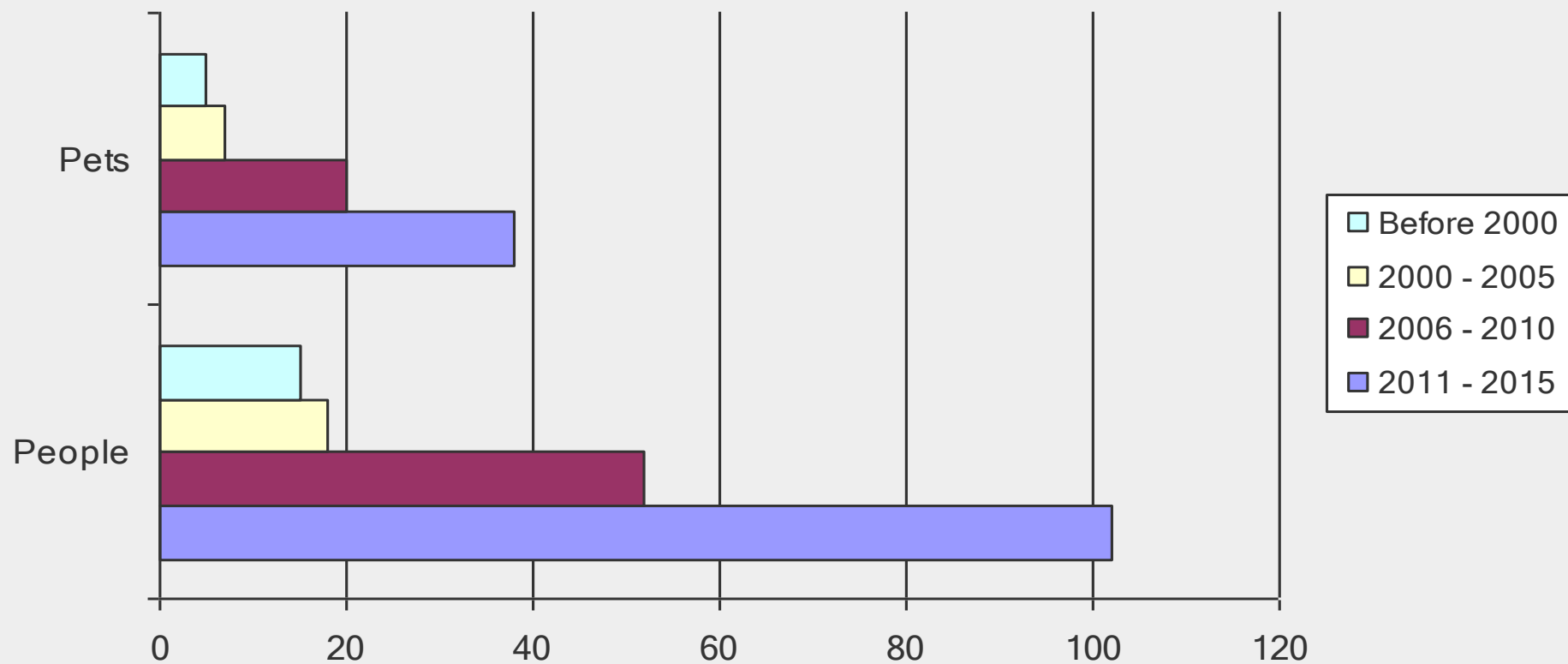
Age distribution



Based on 157 responses

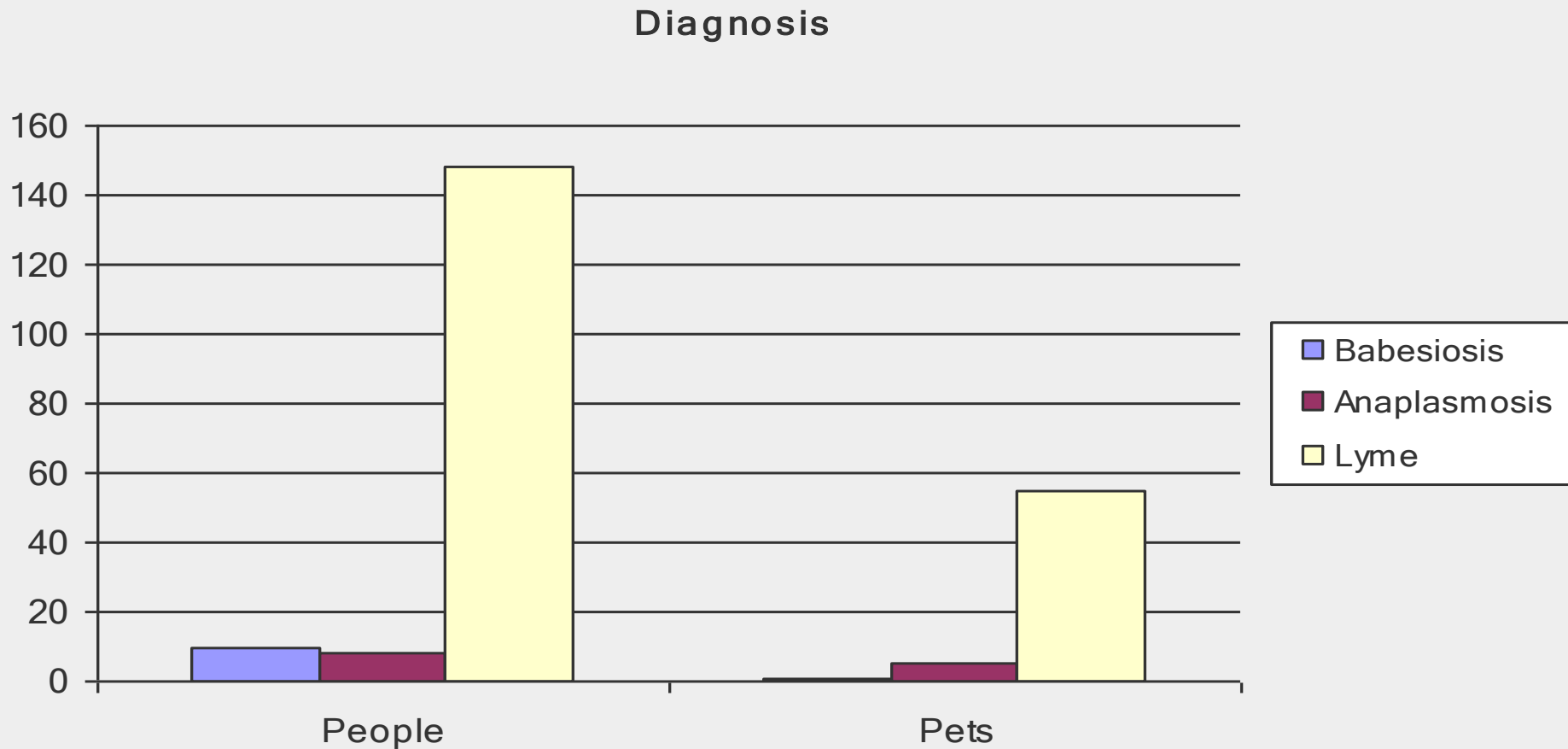
Year of diagnosis

In what year(s) did the diagnosis occur?



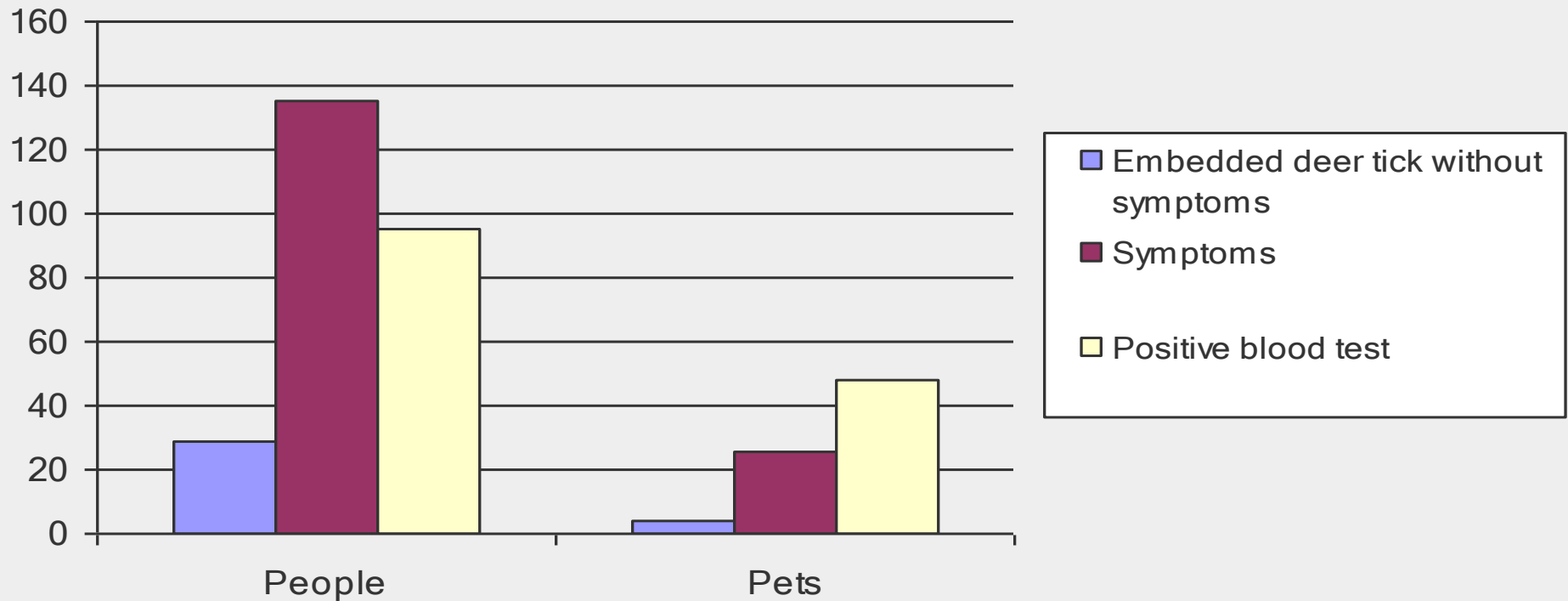
Based on 194 responses

Diagnosis



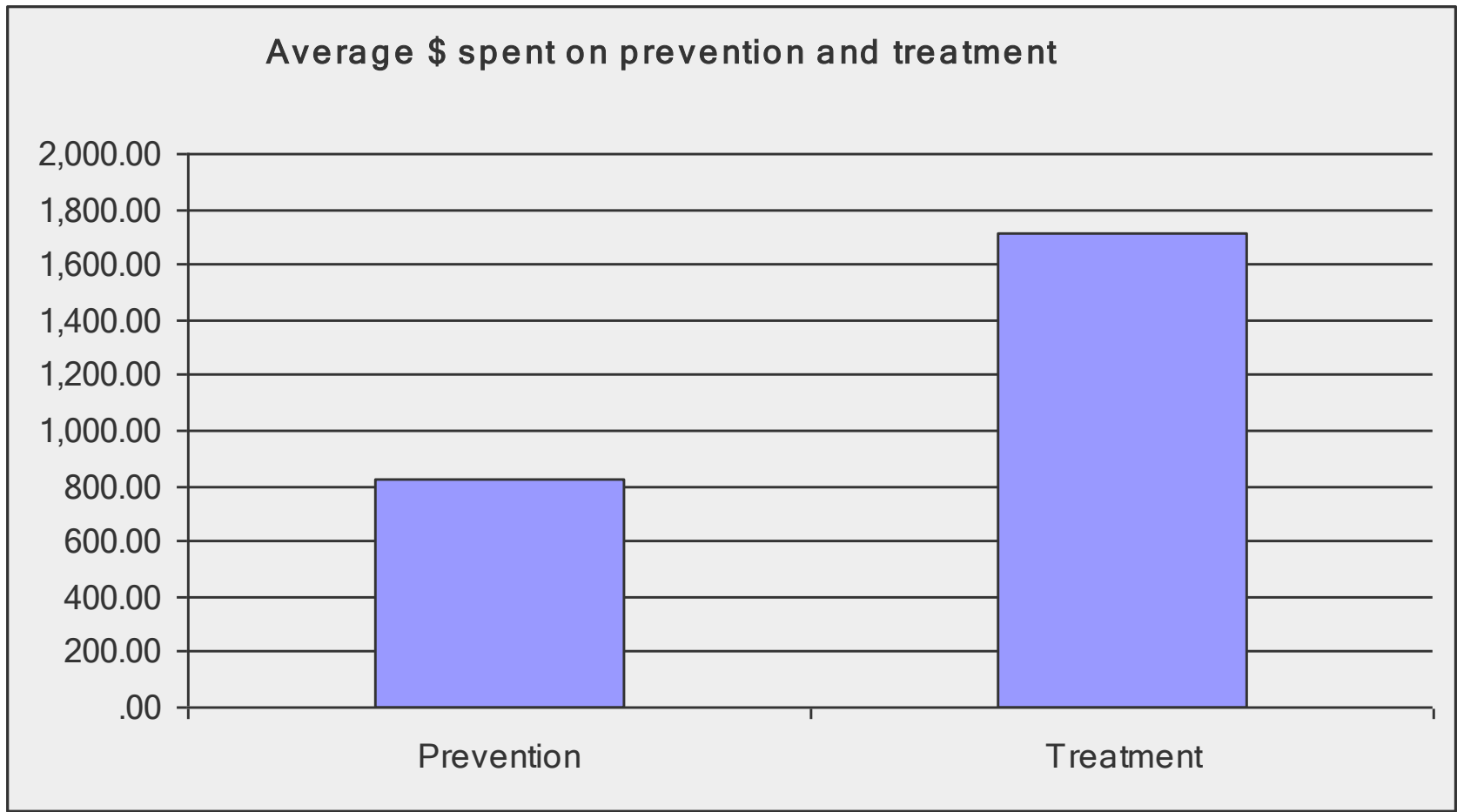
Treatment

Treatment was based on:



Based on 193 responses

Money spent



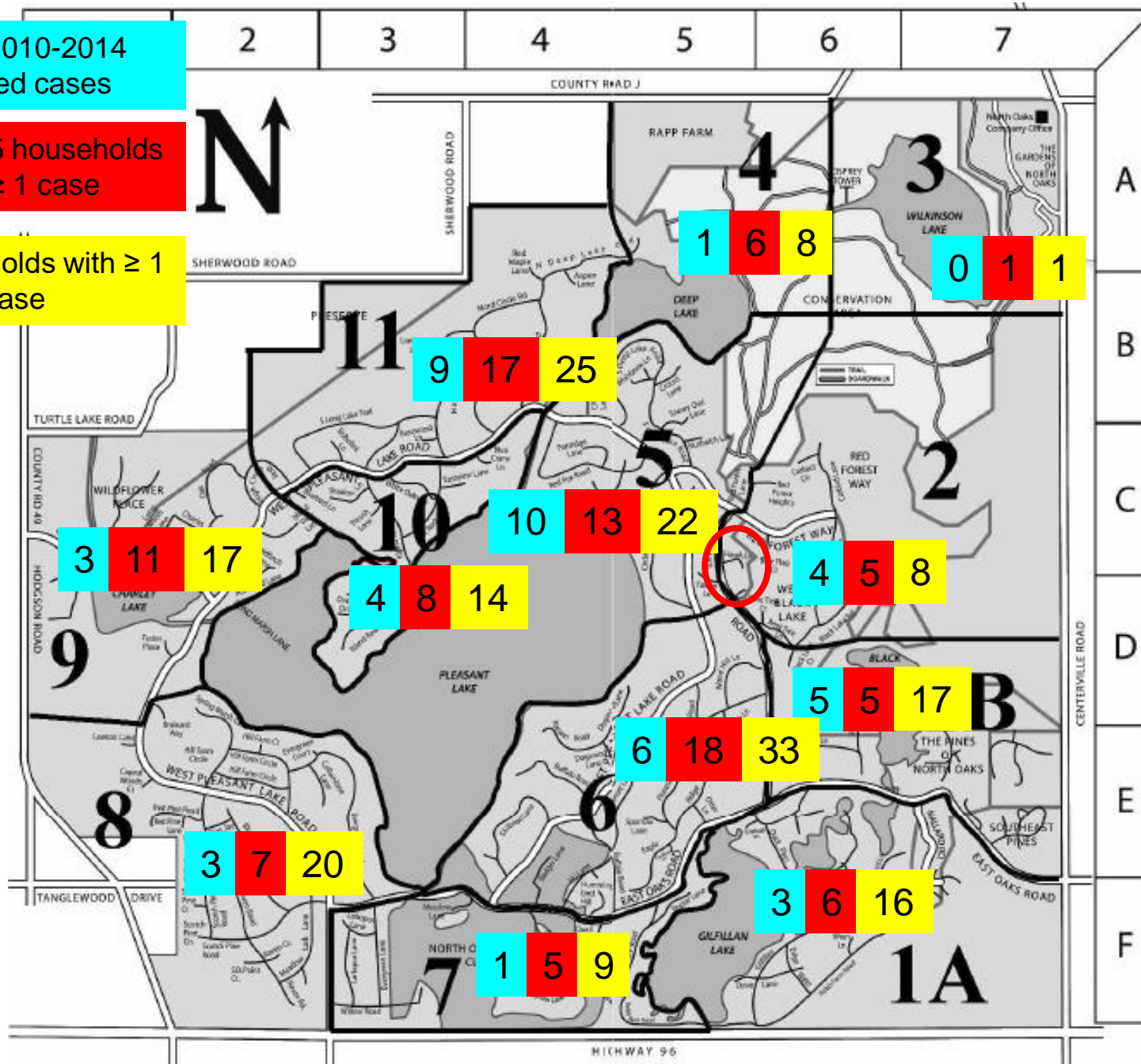
Range: Prevention (\$0.00-\$15,000), Treatment (\$0.00-\$55,000)

Based on 160 responses

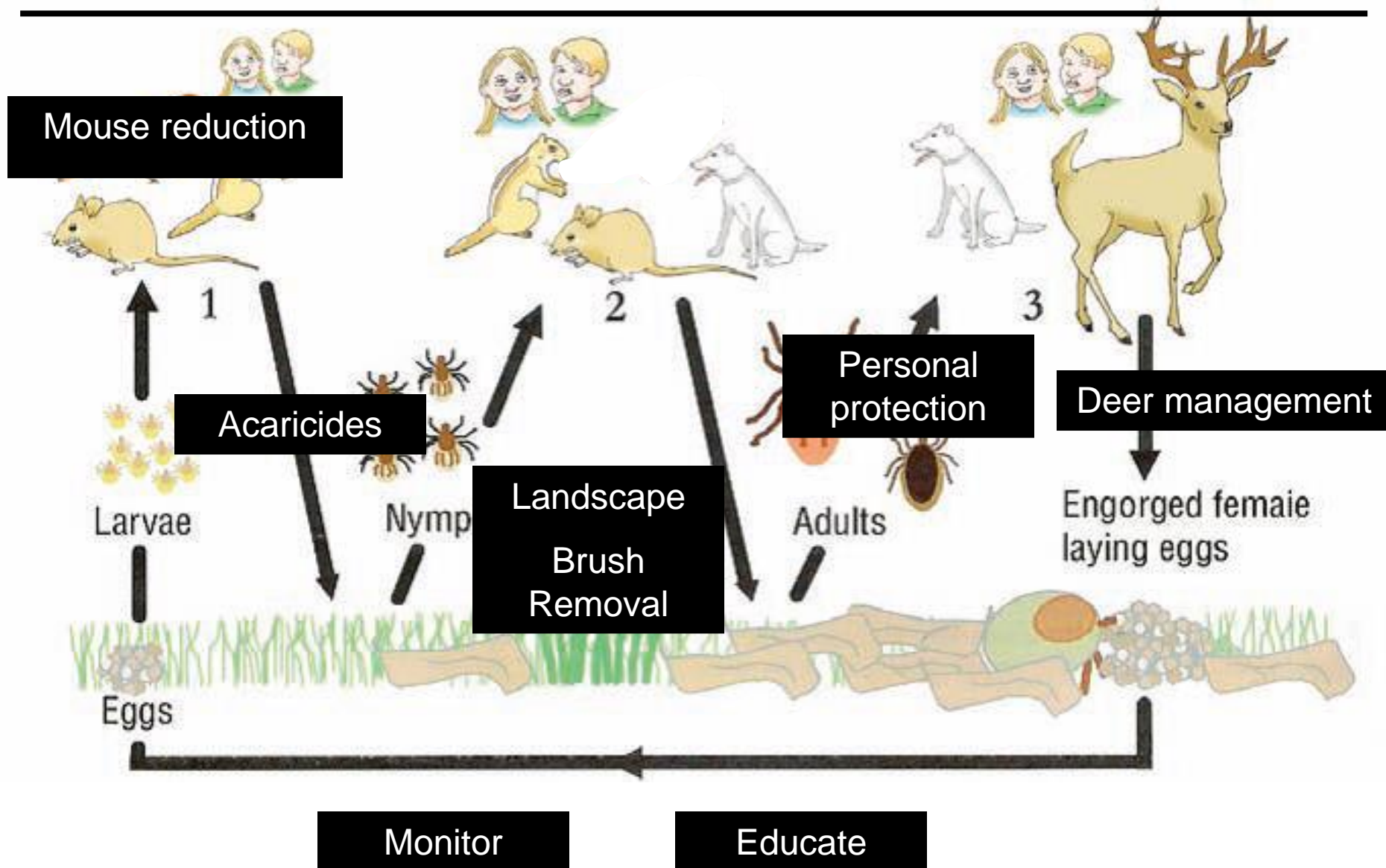
MDH: 2010-2014
reported cases

2011-2015 households
with ≥ 1 case

All households with ≥ 1
case



North Oaks Multi-Tier Approach



Deer Management Update

- To successfully complete their life cycles, *I. scapularis* requires the presence of white tailed deer
 - Adults require a blood meal to lay eggs
 - Specific protein in blood of the deer increases reproductive potential of *I. scapularis*
 - Although other mammals can complete the cycle deer are the most effective hosts
- Studies show <10 deer/sq mile has been associated with a reduction in Lyme disease
- Based on recent counts NO now has at least 5.8 deer per square mile (likely underestimated due to count conditions)



Next steps

- Continue deer management program
- Ongoing education for personal prevention
 - Community fair – volunteers needed
 - North Oaks News articles
 - North Oaks Living articles
 - Social media
 - City of North Oaks website
- NOHOA
 - Maintenance of NOHOA properties
 - Create a barrier between lawn areas and woods (tick habitat) on public spaces
 - Wood chips/rock path
 - Keep trails cut back
 - Remove brush/undergrowth
 - Community wide brush pick up day sponsored by NOHOA and the City of North Oaks – discussions underway

Next steps

- Acaricides
 - Mouse bait-boxes
 - Tick tubes
 - Professionally applied pesticide treatments to the forest floor to kill ticks directly in high density areas
- Mouse control
 - Controlled burns by NOHOA or City
 - Individual home owners

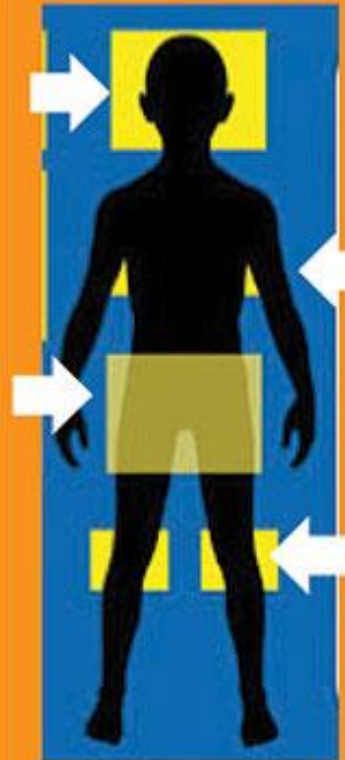


Reminders

- When temperatures are above 38 degrees adult ticks become active
- Implement personal protective measures now!
 - Keeping your lawn grass short
 - Remove brush and buck thorn from your yard
 - Clear leaf piles from your yard
 - Create a barrier between the edge of your yard and the woods (tick habitat) with woodchips or rock paths
 - Use tick tubes or pesticide sprays applied to the lawn and undergrowth during the peak nymph and larvae period (mid-May – mid-July)
 - When outdoors:
 - Wear light colored clothing
 - Tuck pants into socks
 - Use insect repellants
 - Perform tick checks when returning home
 - Use tick management products on your pets
 - We double cover our dog...Frontline + Scalibor

Questions...

Is there a tick on you?
Do a tick check!



Here's where to look:

- Inside and behind the ears
- Along your hairline
- Back of your neck
- Armpits
- Groin
- Legs
- Behind the knees
- Between your toes

Ticks are tiny, so look for new "freckles."



Actual sizes of nymph (left),
adult female dog tick (center)
and adult deer tick (right)

