

Community Awareness Assessment: Mosquito Survey

Survey Areas and Related Question Bank

This question bank is designed to make it easier to create Community Assessments focused on mosquito awareness. Each of the three sections below outlines the goals of the questions contained in that section, sample questions, and sample responses. Use this tool to help identify goals and develop an understanding of the status of your communities' awareness. This will allow for an informed allocation of resources and understanding of outreach and communication needs.

Section 1: Community Awareness Regarding Mosquitos and Mosquito Borne Diseases

Goals:

Identify community awareness of:

- concerns about mosquitos
- personal protection against mosquito bites
- actions you can take to reduce mosquitos in your area

Questions:

- Is this the first outreach on mosquito control you have had?
 - Answers: yes/no
- Did you know mosquitoes in (jurisdiction) may carry viruses such as (West Nile, Zika, etc) that can cause illness and even death in people?
 - Answers: yes/no
- How concerned are you about the presence of mosquitoes in your community?
 - Answers: extremely, greatly, somewhat, hardly, not at all
- What, if any, concerns do you have about mosquitoes in your community?
 - Answers: Family or personal illness, nuisance, pet or animal illness, stagnant water, property value or sale, no concerns
- How do you currently reduce sources of mosquitoes in your yard?
 - Answers: eliminate standing water, closing up holes in structures, ensuring screens are intact and without holes, contract with a provider to apply pesticides, other, none of the above
- How do you utilize personal protection in regards to mosquitos?

- Answers: hats, utilizing screens, apply insect repellent, stay indoors or inside screened area, wear long sleeve shirts, long pants, hats,
- Are you aware of the difference between nuisance and disease carrying mosquitos?
 - Answers: yes/no

Section 2: Community Needs and Requirements Regarding Communication

Goals:

Identify community:

- awareness around existing communication method
- preferred communication frequency
- preferred communication methods

Questions:

- Are you aware of actions being taken to reduce mosquitos in your community?
 - Answers: Yes/No

Follow-up Question:

How did you learn about those actions?

- Answers: TV, Newspaper or online media; word of out, radio; County Health Department website; Doctor or health care provider; in the mail; Facebook; Twitter, blog, other social media; school or childcare provider; did not get any information; other

- Are you aware of actions that you can take to protect yourself from mosquito bites?
 - Answers: Yes/No

Follow-up Question

How did you learn about those actions?

- Answers: TV, Newspaper or online media; word of out, radio; County Health Department website; Doctor or health care provider; in the mail; Facebook; Twitter, blog, other social media; school or childcare provider; did not get any information; other

- Are you aware of actions that you can take to reduce mosquito populations?
 - Asnwers: Yes/No

Follow-up Question

How did you learn about those actions?

- Answers: TV, Newspaper or online media; word of out, radio; County Health Department website; Doctor or health care provider; in the mail; Facebook; Twitter, blog, other social media; school or childcare provider; did not get any information; other (saw spraying happen)
- What is your preferred method of communication regarding mosquito control activities?
 - Answers: text messages, newspaper or online media, word of mouth, radio, landline, cell phone, health department website, social media, other
- How often would you prefer to be notified about mosquito control activities?
 - Answers (check all that apply): day of, hour of, 24-hours prior
- Would you like more information about mosquitos, control methods, or personal protection?
 - Answers (check all that apply): mosquitos general, control methods, personal protection
- If a health emergency related to mosquitos were to occur tomorrow, rank the choices below in order of how you'd like to be notified.
 - Answers: TV, landline phone, cellular phone, Facebook, other social media, newspaper, radio, door-to-door, health department website.

Section 3: Community Input Around Mosquito Control Activities – Pesticide Use and Cost

Goals:

Identify community:

- concerns around pesticide use
- comfort levels on when to implement pesticide use
- understanding and willingness to pay for mosquito control

Questions:

- When do you feel aerial pesticide spraying should be utilized to reduce mosquito populations?

- Answers: When mosquito numbers are high, when summer weather conditions favor outdoor activities, only when disease is detected in local mosquitoes, no spraying ever
- Do you have any concerns about the application of pesticides to control mosquitoes in your neighborhood?
 - Answers: yes, no, not sure
- What are your concerns about pesticide use?
 - Answers: open answer
- Are you aware of the risks around utilizing pesticides?
 - Answers: yes/no (link to finding information)
- Are you aware of the benefits of properly utilizing pesticides (per guidelines/labeling)?
 - Answers: yes/no (link to finding information)
- How much would you consider paying annually to support mosquito population reduction activities in your neighborhood?
 - Answers: \$0, \$1-\$50, \$50 – 100, \$100 - \$200, \$200 - \$450, \$450 - \$600, other, non-pesticide option

Sources:

Madison County, New York, pulled 2018

(<https://www.madisoncounty.ny.gov/DocumentCenter/Home/View/2059>)

Florida Department of Health, Martin County, pulled 2018

(<http://www.floridahealth.gov/Diseases-and-Conditions/mosquito-borne-diseases/documents/2013/martin-update-10-31-13.pdf>)

An online survey of mosquito repellent strategies, E.L. Moore, et al. , pulled 2018

(<https://peerj.com/articles/5151.pdf>)