

3-6 Analyzing Community Surveys (Life)

In Task 2-3, the team surveyed people in your local community about mosquitoes.

Objective

In this task, you will do the same analysis you did during Task 2-4. Now you will focus on the community survey results only for Part Three: Life. The team will analyze the other parts of the survey in future tasks. So, keep the survey results in a safe place.

In this task, the team will be focusing on the following questions from the question map in task 1-10. *What do people in our local community think and know about mosquitoes and mosquito-borne diseases? How can we effectively share and communicate mosquito borne disease evidence with the community?*

1. Go to the Task 3-6 folder and get the survey analysis instructions and questions. Choose the Mosquito A or Mosquito B task from the task folder.
2. As a team, determine how to compile the community survey results for part three for all team members. You will want to analyze the compiled data from the entire team and community. Develop your own method for compiling the data for part three, or use one of the methods in the instructions.
3. Create some graphs about this compiled community survey data. Use the instructions and examples in the task folder.
4. Use the graphs and data to answer these questions.
 - What interesting patterns do you see in the data from part three questions?
 - Which questions did most people in the community agree on?



Research Tip

As you may have noticed, the survey is broken into the same parts as this research guide. Analyze only the results from that part of the survey while working on that Part of the guide to make the analysis more manageable.



3-6

- Which questions did people in the community have different responses for?
 - Discuss how this survey evidence could be useful when thinking about the question: *What do people in our local community think about mosquitoes and mosquito borne diseases?*
 - Discuss how this survey evidence could be useful when thinking about the question: *How can we effectively share and communicate mosquito borne disease evidence with the community?*
 - Discuss how this survey evidence could be useful when thinking about the problem question: *How can we ensure health for all from mosquito-borne diseases?*
5. Select one or two survey questions, write a claim, and provide the supporting evidence for the claim based on the question and evidence collected.
 6. Examples:
 - The local community does not have a good understanding of what time of day mosquitoes bite.
 - The local community does not have a good understanding that only female mosquitoes can transmit diseases to humans.
 7. Explain how the data evidence from the community survey supports your claims.
 8. As a team, share some claims you created and the evidence that supports those claims.

Hooray! You completed Task 3-6. Check it off the task list. *Go to Task 3-7!*





Task 3-6 Analyzing Community Surveys—Mosquito A

Compiling Survey Data Options

First we must compile the answers from the community surveys to all of the questions from Part Three: Life. The team will look at the other parts in later tasks.

Here are some options for compiling the answers to the survey questions. But, as always, if you have different method you prefer, do that!

Option 1

Hand out a survey to each person.

Go through each question and team members can raise their hands to vote for the answer they prefer. Some team members can count up the votes and others can write down the totals for the team.

Option 2

Have questions on a board, paper, or computer where tallies can be compiled. Tally the responses and share the results.

Option 3

Digital survey: If you did the survey digitally, you should be able to see the results for each question.

Option 4

Create your own way of compiling survey data.

Graphing Survey Data

How could you graph parts of these survey results?

Which questions could you graph?

If you have the resources, pick some questions to graph that you think would be useful.

How would these graphs be useful when supporting claims with evidence?



Community Survey—Mosquito A

Use this survey to compile data.

Part 3: Life

Are both male and female mosquitoes able to transmit diseases to humans?			
Only male mosquitoes are able to transmit diseases to humans	Only female mosquitoes are able to transmit diseases to humans	Both male and female mosquitoes can transmit diseases to humans	Not sure

What time of the day do mosquitoes bite? (check all that apply)			
Day time	Night time	Morning	Not sure

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Task 3-6 Analyzing Community Surveys (Life)—Mosquito B

Compiling Survey Data Options

First we must compile the answers from the community surveys to all of the questions from Part Three: Life. The team will look at the other parts in later tasks.

Here are some options for compiling the answers to the survey questions. But, as always, if you have different method you prefer, do that!

Option 1

Hand out a survey to each person.

Go through each question and team members can raise their hands to vote for the answer they prefer. Some team members can count up the votes and others can write down the totals for the team.

Option 2

Have questions on a board, paper, or computer where tallies can be compiled. Tally the responses and share the results.

Option 3

Digital survey: If you did the survey digitally, you should be able to see the results for each question.

Option 4

Create your own way of compiling survey data.

Graphing Survey Data

How could you graph parts of these survey results?

Which questions could you graph?

If you have the resources, pick some questions to graph that you think would be useful.

How would these graphs be useful when supporting claims with evidence?





Community Survey—Mosquito B

Use this survey to compile data.

Part 3: Life

Are there different types of mosquitoes, or are they all the same?		
There are different types of mosquitoes	They are all the same	Not sure

Are both male and female mosquitoes able to transmit diseases to humans?			
Only male mosquitoes are able to transmit diseases to humans	Only female mosquitoes are able to transmit diseases to humans	Both male and female mosquitoes can transmit diseases to humans	Not sure

What time of the day do mosquitoes bite? (check all that apply)			
Day time	Night time	Morning	Not sure

Where do mosquitoes get their food from? (check all that apply)		
Flowers	Sap from plants	Garbage
Blood from animals	Other	Not sure

Do mosquitoes lay eggs or give birth to developed mosquitoes?		
Lay eggs	Developed mosquitoes	Not sure

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