

Lesson Plan: Insects and Animals



35 minutes total

Lesson Description



This lesson focuses on the ways that insects and animals contribute to the spread of pathogens and diseases. Participants also discuss strategies to reduce diseases transmission.

Learning Outcomes



At the end of this lesson, participants will be able to:

1. Explain the importance of managing insects and animals
2. Discuss how insects and animals can spread diseases
3. Identify strategies to manage insects and animals in a household

Materials



- Flipchart paper
- Markers
- 5 Images of animals and insects

Preparation



- Read the 'Animals Excreta Management' Technical Brief
- Read the 'Vector Control' Technical Brief
- Prepare 5 flipchart papers with the titles: 'How it spreads diseases' and 'Ways to prevent spread'
- Print the 5 pictures of flies, chickens/pig/cow/dogs/goats, mosquitos, rodents, and cockroaches
- Optional: Write the learning outcomes on flip chart paper

Introduction

5 minutes



1. Ask two volunteers to come to the front of the room. Ask the volunteers to stand at opposite ends of the room.
2. Explain that one person is sick, and the other is healthy.
3. Ask participants: "The people are not allowed to move. What are some ways that the sick person could make the healthy person sick?" *Disease transmission through water, through air, and through vectors like mosquitos, animals, fleas, ticks, flies, etc.*
4. Explain to participants that diseases can spread by vectors, also known as transporters of diseases.

5. Present the learning outcomes or lesson description.

How Insects and Animals Spread Diseases

25 minutes

1. Explain to participants that animals and insects can carry diseases and pathogens that can spread to humans.
2. Ask participants: "What are some common diseases or pathogens that are spread by insects or animals? *Malaria, dengue, E. coli, Zika, etc.*"
3. Explain to participants that although insects and animals spread diseases and pathogens, there are very simple ways that we can protect ourselves.
4. Explain to participants that there are 2 categories of ways that you can manage animals and insects to prevent the spread of diseases. The 2 categories are Active Controls and Passive Controls.
5. Write the 2 titles on flipchart paper.
6. Explain that 'Active Controls' are things that we do that directly affects the life of animals or insects. Examples could be: using poison, RAID, or rat glue.
7. Explain that 'Passive Controls' are things that we do to create a safe environment. Examples could be: building fences, protecting food, not having stagnant water, etc.
8. **Graffiti Walls:** Explain to participants that there are 4 different animals or insects which can spread pathogens or diseases. At each station, your group will have 5 minutes to write how that animal or insect is spreading diseases or pathogens. They will also need to write ways to help prevent those diseases or pathogens to spread. Ask participants to try to think of active and passive controls when thinking of strategies. After 5 minutes, the groups will change stations. Rotate the groups until every group has been to every station and the original group is at the original station
9. Ask the groups to read the flipchart papers to review.
10. Encourage discussion of the different ways to control vectors and animals by asking:
 - Which ones are new solutions that you did not know before?
 - What can individual household do to help control vectors and animals?

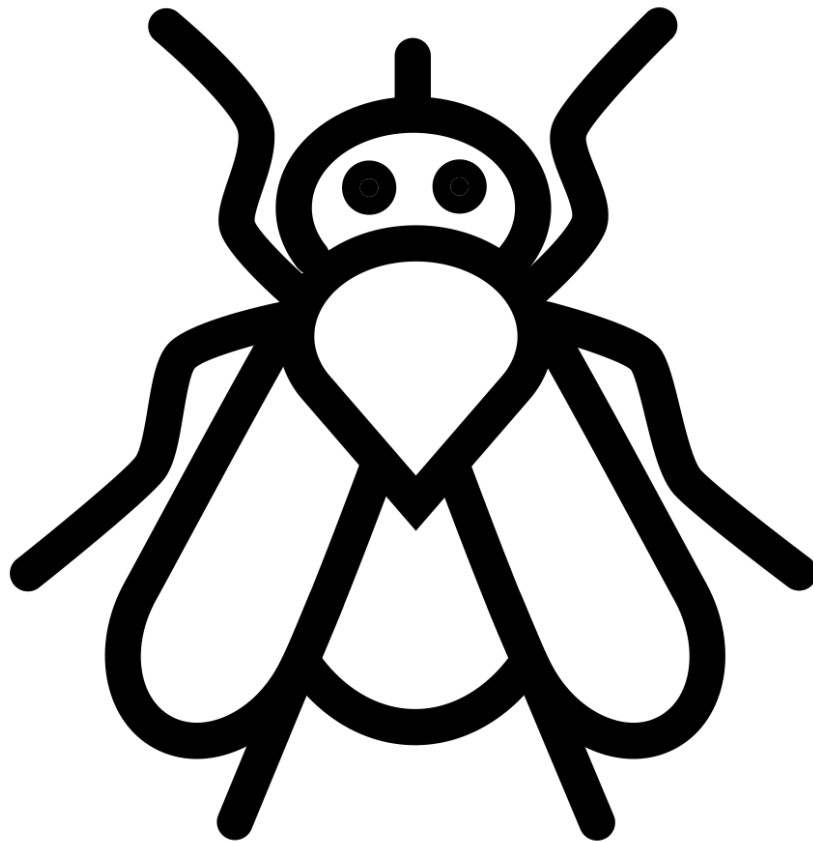
Review

10 minutes

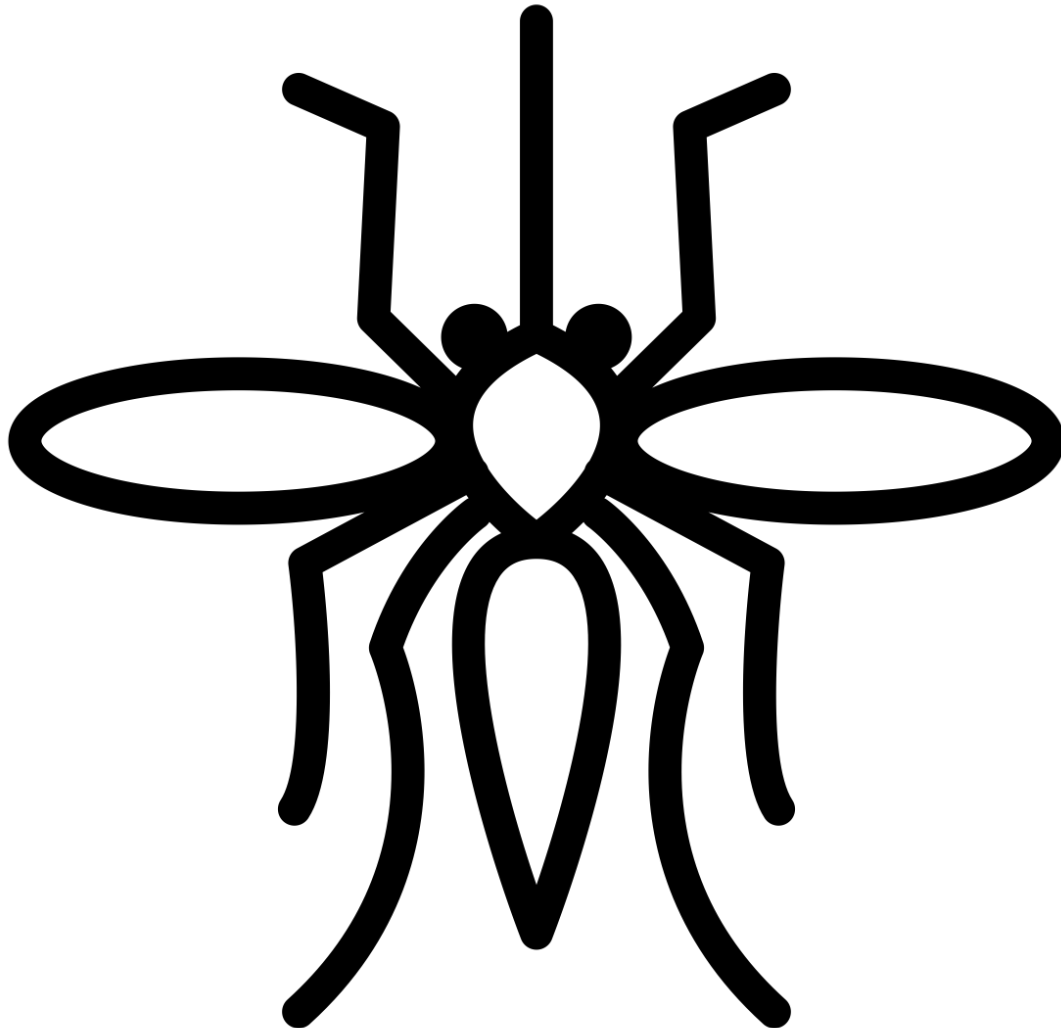
1. Ask participants to remain in their group and write a song or poem to help people remember what they should do to help prevent the spread of diseases from insects and animals.
2. Ask the groups to present their song or poem to the rest of the larger group.

Reflections on Lesson

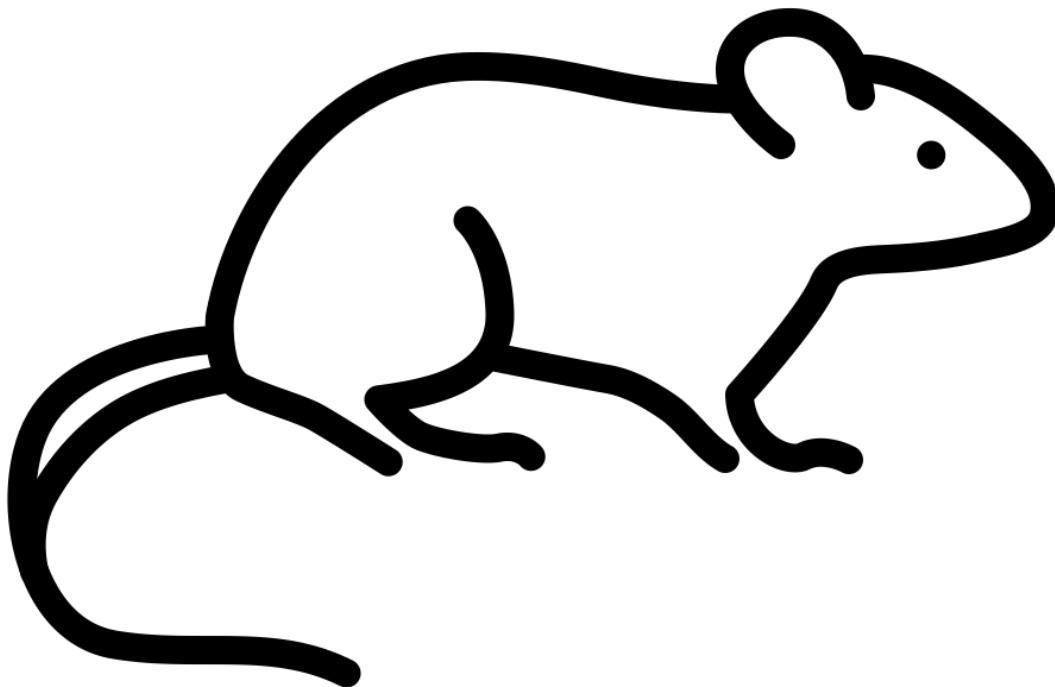
Flies



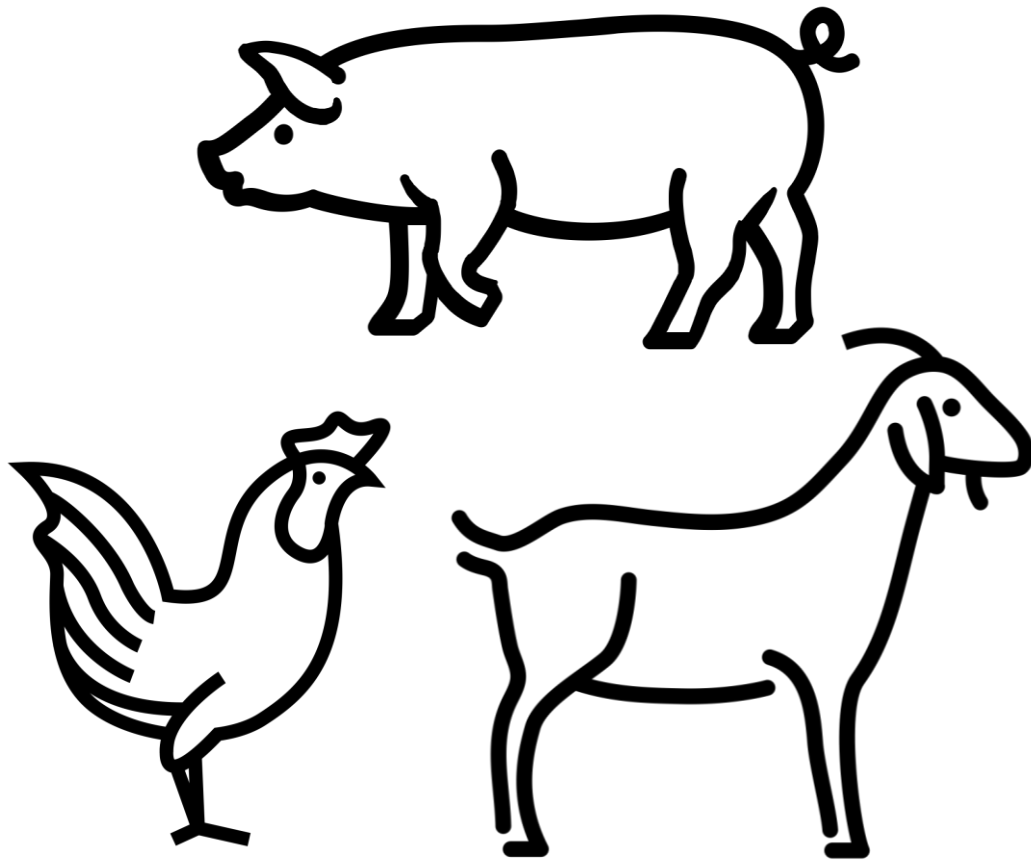
Mosquitos



Rodents



Chickens/Cows/Pigs/Dogs/Goats



Cockroaches

