



Let's Fight Against Mosquitoes

Facilitators Guide
SC Johnson Guardian™

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This booklet is a guide for community health workers and other facilitators to use in the education and distribution of Guardian™.

Use this manual to lead discussions on malaria prevention and control measures– in small groups and with households– to change attitudes and behaviors and increase community awareness of tools for malaria eradication.

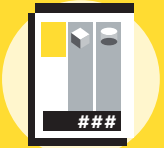
Items You Will Need



This guide



Guardian Product Information sheets



Distribution Calculation Worksheet



Sufficient product for number of visits that day



1m
Measuring tape
or 1m rope (if available)



A pen

How you will use the Guide



Talking to small groups



Talking to people in their homes

Purpose

To deliver general malaria education, Guardian™ product information, and a product distribution plan

Review safety information

Before The Discussions

1 Plan the place and inform all stakeholders in advance

2 Prepare all the tools you need:



1m

While Leading Discussions

- Make sure everyone can see each other talking. It is best for people to sit in a circle.
- Before the discussion begins, start by greeting the participants, thanking them for accepting the invitation, and giving everyone time to speak to one other. Feel free to be less formal and do this in a playful way.
- After explaining the topic of the discussion, give participants a chance to discuss the challenges they face in protecting themselves and their families from malaria.
- Encourage active participation from all participants in the discussion. This helps you to understand everyone's point of view and recognize where some may have questions or concerns.
- Let the participants ask you questions, and then before you finish, ask them if they have any other questions
- Use simple words and phrases so that all participants can understand.
- Allow enough time for feedback from participants.
- **Optional:** conduct a demonstration in a home of different ways to measure, use the calculation worksheet, and how/where to hang Guardian™
- Conclude by:
 - Briefly summarizing the discussion and main messages
 - Thanking everyone
 - Agreeing on dates to distribute product to households



The size of the group may vary as appropriate for the community

Purpose

To deliver general malaria education, Guardian product, and usage/distribution instructions

Review safety information and answer any questions

Before each visit

- 1 **Confirm with the household in advance**
- 2 **Prepare all the tools you need:**



During each visit

- As always in our culture, knock, greet, and ask those you visit to give you a welcome.
- Thank them for their time, tell them the purpose of the visit and the topic you are discussing.
- Use pages of this guide to review malaria, how it spreads, and how to respond to symptoms.
- Provide a review of product information and distribute product.
- Conclude the discussion by thanking them for taking the time to talk to you, promising them you are available if they have any questions or concerns about Guardian or how to use it.

Distribute product

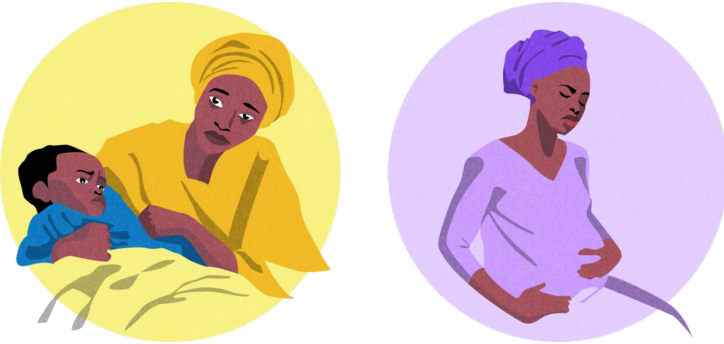
- Complete Product Worksheet with head of household.
- Then, distribute the correct number of products after all questions have been answered.



What kind of illness is malaria?



Paper to show the client



What you can discuss

What is malaria

- Malaria is a disease caused by a parasite called *Plasmodium*.
- Malaria is spread by bites from a type of mosquito called *Anopheles*.

People with high risk to malaria

- While anyone can contract malaria, pregnant women and children under the age of five are most likely to have severe malaria.
- In children, a mild infection may quickly turn severe, and can even lead to death.

Malaria Vector Mosquito



Paper to show the client

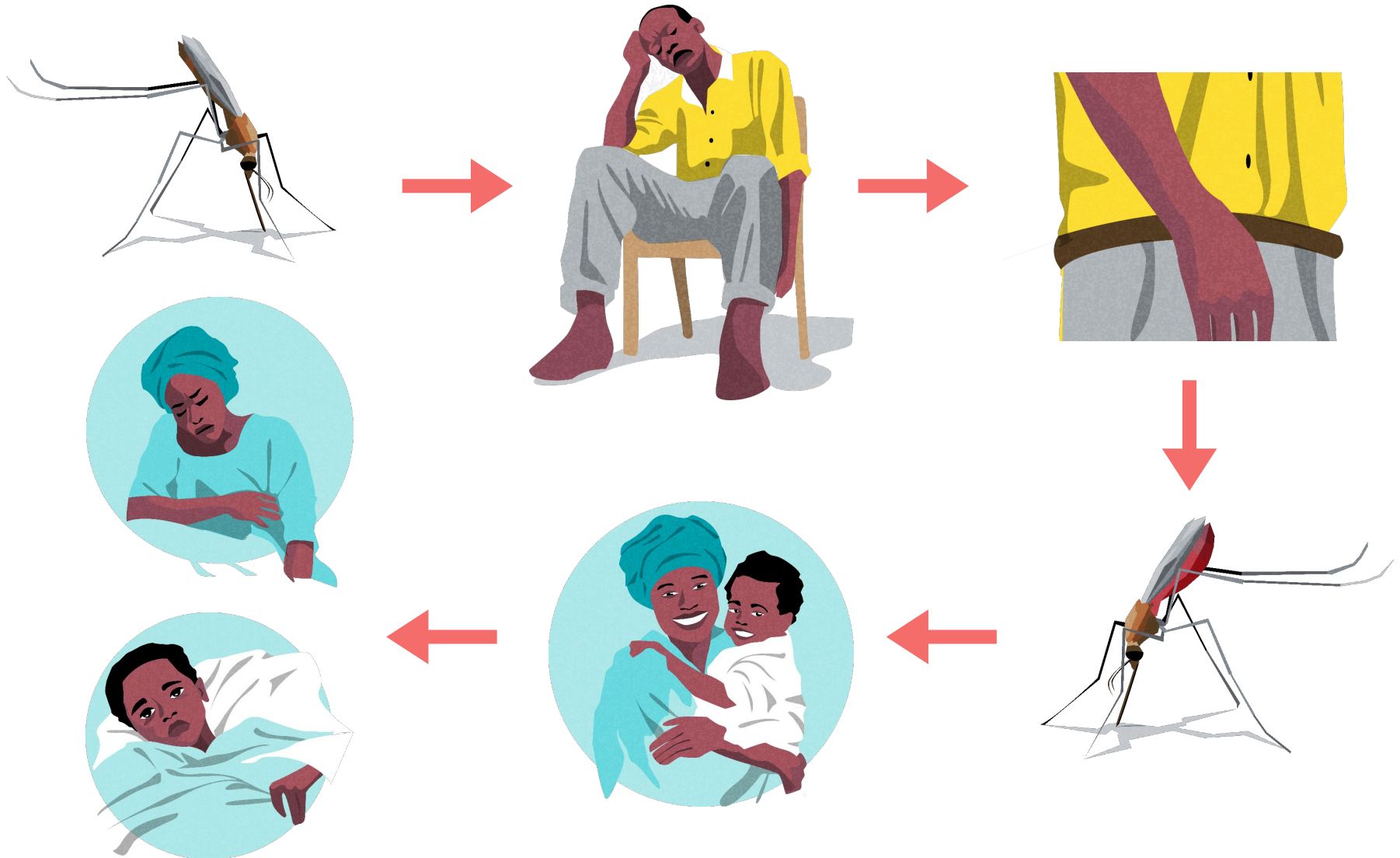


What you can discuss

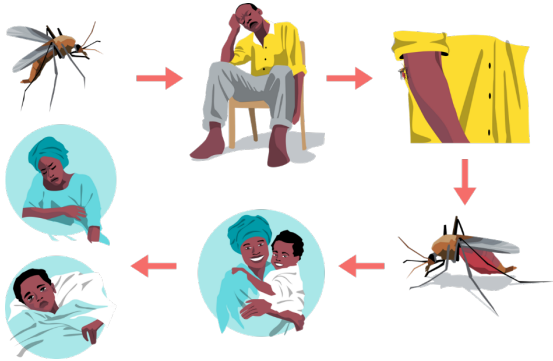
What type of mosquitoes spread malaria?

- There are many different types of mosquitoes.
- Anopheles mosquitoes are the only ones that can spread malaria.
- Anopheles stand out from other mosquitoes due to the white and black on its wings.
- Malaria-causing mosquitoes often bite between evening and morning.
- Avoiding mosquito bites at this time is very important in preventing malaria.

Transmission of Malaria



Paper to show the client

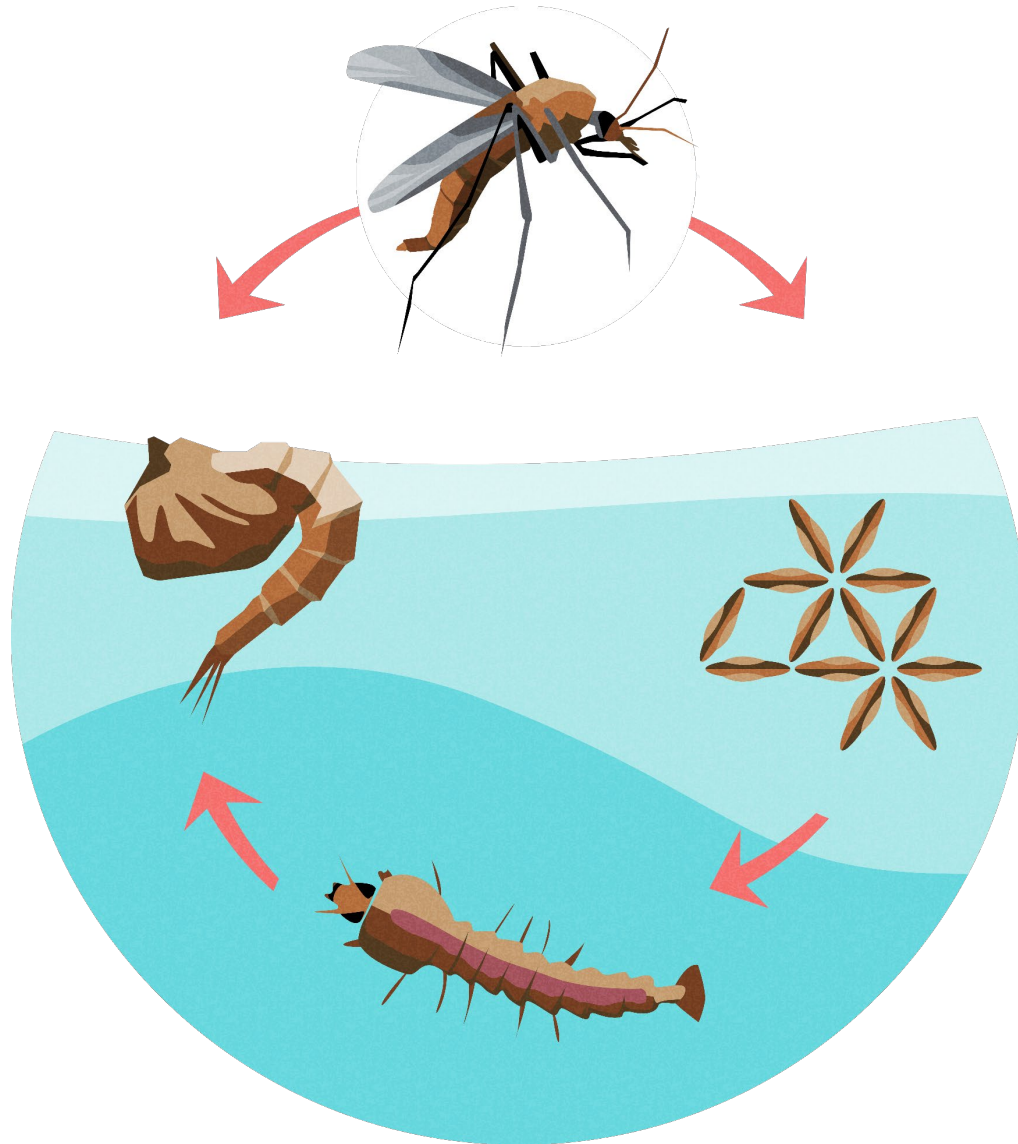


What you can discuss

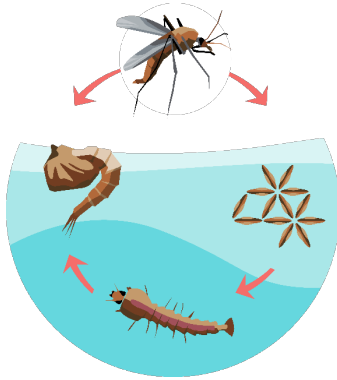
Do you know how malaria is transmitted?

- Malaria is transmitted through mosquito bites.
- When a mosquito bites a person with malaria it takes some of his/her blood along with some malaria parasites (Plasmodium).
- Malaria parasites grow and reproduce in the mosquito.
- Then, when the infected mosquito bites another person, it may transmit the parasites to that person.
- One infected mosquito can spread malaria to many people.

Reproduction of malaria vector mosquitoes



Paper to show the client



What you can discuss

Do you know how malaria-causing mosquitoes reproduce?

- Mosquitoes need dirty stagnant water to reproduce.
- Adult female mosquitoes lay their eggs in stagnant pond water, water left in uncovered containers, or in very slow-flowing water.
- Two or three days later, the eggs hatch and young mosquitoes emerge.
- Small mosquitoes stay on the water and feed.
- After a few more days of growing, the mosquito will fly away.

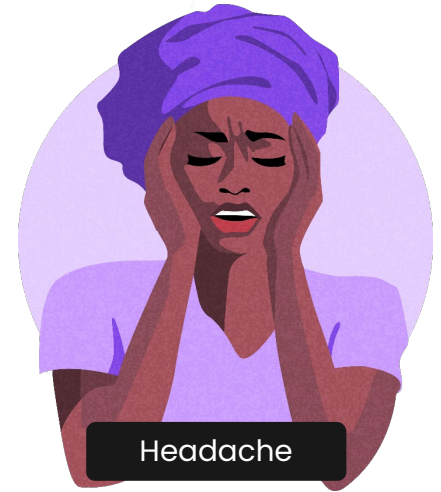
Signs and symptoms of malaria



High Fever



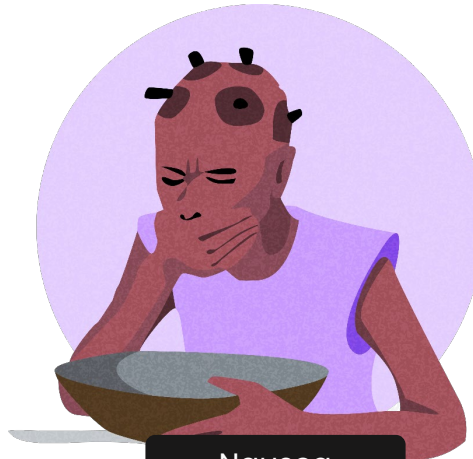
Shivering



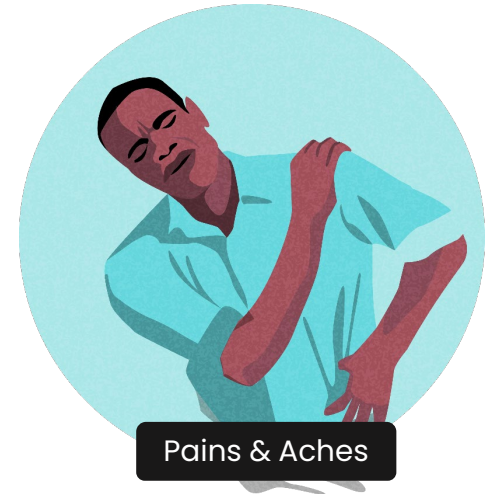
Headache



Tiredness



Nausea



Pains & Aches

Paper to show the client



When someone is not feeling well and has a high fever, it is not always clear what the cause is, since many diseases tend to show high fever as their initial symptom.

What you can discuss

Signs and symptoms of malaria

- High fever and feeling a lot of cold with shivering
- Very painful headache
- Feeling very tired and worn out when you wake up despite having had a long sleep
- Feeling pain & aches throughout the body, sometimes very painful at the back
- Nausea and vomiting

Ask questions about signs and symptoms of malaria

- Do you know some symptoms of malaria?
- Have you or any member of your family ever suffered from malaria?
- Which symptoms did you notice?
- Can malaria symptoms differ for each person?
- When you experience different symptoms, should you immediately seek a medical diagnosis?
- If you are found positive for malaria should you accept treatment?

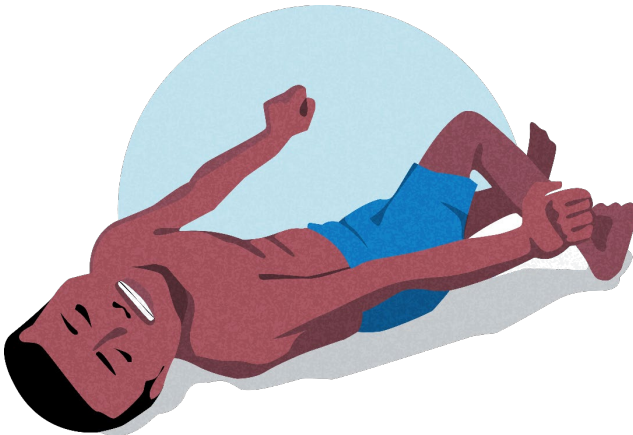
Signs and symptoms of severe malaria



Loss of appetite



Loss of consciousness



Utterances due to high fever



Anemia

Paper to show the client



Loss of appetite



Loss of consciousness



Utterances due to high fever



Anemia

What you can discuss

Signs and symptoms of severe malaria

- High fever above 39 degrees C
- Changes in behavior (utterances due to high fever, loss of consciousness, trouble sleeping, inability to identify objects, failure to walk and to sit by oneself, failure to talk, failure to recognize members of one's family)
- Constant vomiting and failing to take medicine by mouth
- Failure to eat and drink
- Anemia (lack of blood)
- Urinating abnormally: Either very little or complete lack of urine; Urine that is sometimes dark in color
- Withered body and weak eyes (due to a lack of water in the body)
- Constant running bowels
- Bleeding from the nose and gums (or from any other part of the body)

What to do when you have malaria symptoms



Paper to show the client



What you can discuss

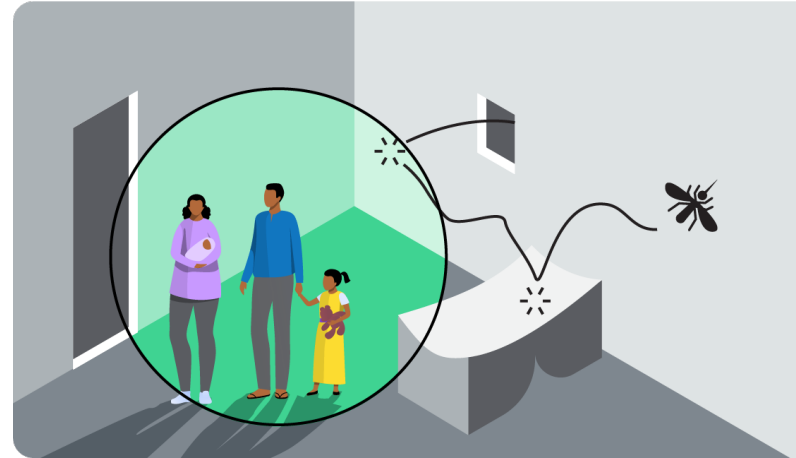
If you or your family have malaria symptoms

- Immediately seek medical attention or approach the nearest community health worker to be tested and treated, if necessary.
- Seek medical attention right away. Any delay may result in more severe symptoms which can even lead to death.
- If you or a family member is found to have malaria, the next step is to begin taking medicine.

Ask questions about signs and symptoms of malaria

- What can you or your family do if you start to identify malaria symptoms?
- Have you ever been tested for malaria?

SC Johnson Mosquito Guardian™

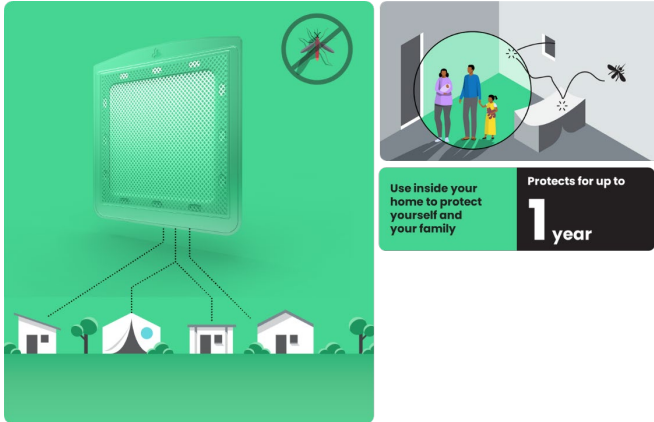


Use inside your
home to protect
yourself and
your family

Protects for up to

1 year

Paper to show the client



Note

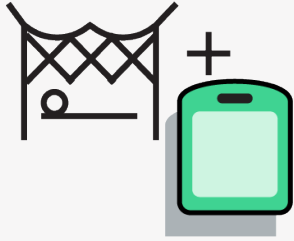
You may hand out the Guardian™ Product Information Sheet at this time or tell participants they will get a Product Information Sheet with this information during the home visit.

Important information to share

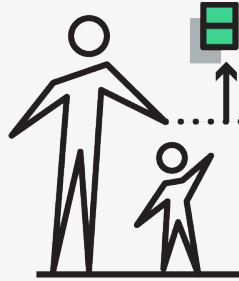
About Guardian

- This is a new tool designed to protect your family from mosquitoes inside your home.
- It is a spatial repellent that works by hanging it in your home.
- You do not need to burn it, plug it in, or use any batteries.
- It will protect you and your family for up to 1 year.
- You will not smell anything different with the product. The active ingredient that prevents mosquitoes from biting in this product does not have a smell to humans.
- You may still notice mosquitoes in your home, this does not mean the product is not working. The product works by stopping the mosquitoes from biting.

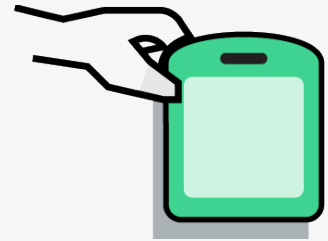
SC Johnson Mosquito Guardian™ : Important things to know



Keep using bed net



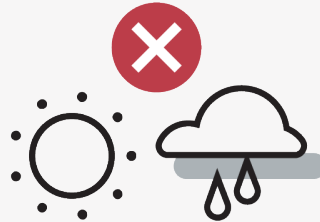
Keep product away
from children



Handle by edge only



Wash hands with soap
and water after handling



Keep out of direct sun
and rain



Do not wash
Guardian

Paper to show the client



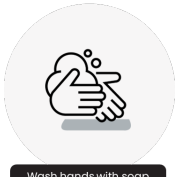
Keep using bed net



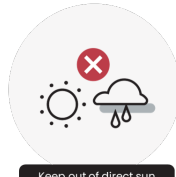
Keep product away from children



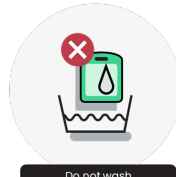
Handle by edge only



Wash hands with soap and water after handling



Keep out of direct sun and rain




Do not wash Guardian

Important information to share


Important!

- Product has been approved for use in all homes including homes with children, infants and pregnant women
- Keep using your bed net every night. Bed nets still provide protection.
- Keep out of reach of children. Be sure to hang Guardian out of the reach of any small children in the house – ensure it is secure on the wall. If Guardian is too low on the wall, children may take the product off the wall and the product will no longer provide protection.
- Handle by edge only
- Wash hands with soap and water after handling
- Keep out of direct sun and rain. Placing product in the direct sunlight or rain will shorten the life of the product so you will not get a full year of protection.
- Do not wash product. Although we instruct to wash bednets, do NOT wash Guardian™ even if it becomes dirty. Guardian™ continues to work when dusty or dirty. Washing product will remove the active ingredient that makes it work and may be harmful to the environment.


Determine how many Guardian™ to use

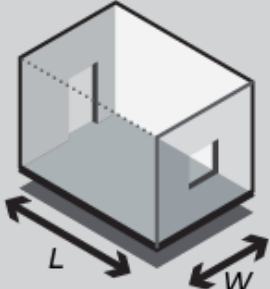


1m



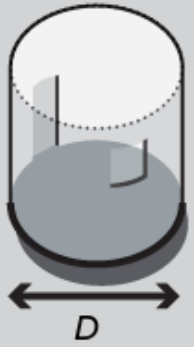
1m





L W

| | | Length (m) | | | | | | | | | |
|-----------|---|------------|---|---|---|---|---|---|---|---|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Width (m) | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 |
| | 4 | 1 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 |
| | 5 | 1 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 6 |



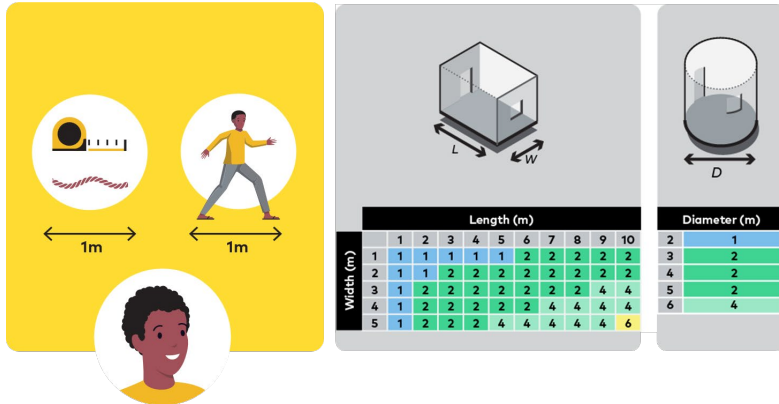
D

| Diameter (m) | |
|--------------|---|
| 2 | 1 |
| 3 | 2 |
| 4 | 2 |
| 5 | 2 |
| 6 | 4 |

Determine how many Guardian™ to use

FACILITATOR

Paper to show the client



Note

You may hand out the Calculation Worksheet at this time or tell participants they will fill out the Calculation Worksheet together during the home visit.

Questions to discuss

- Do you know how you can measure your space for this product?
- How many of these products will you use?

Important information to share

- The number of products you need is determined by the number of rooms and size of rooms you have.
- Use the worksheet we've provided to calculate the number of products you need.
- You can determine the size of your rooms by either using a tape measure (or a 1 m long piece of rope) or pacing off the dimensions of the room (a large step is approximately 1m).
- If you can't access the space or the structure at this time, you can estimate the room size by comparing to a room you have determined the size of by measuring or pacing off.
- After you have determined the size of your rooms, you will receive the appropriate number of products to use.
- Each room needs to be measured separately and noted on the worksheet. A room is considered anytime a structure is divided into different spaces - whether by a permanent wall or curtain/fabric. It does not matter if the divider does not fully reach the ceiling/roof. Each room will need the appropriate number of Guardian™.

Where to hang Guardian™ in each room



Where to hang Guardian™ in each room

FACILITATOR

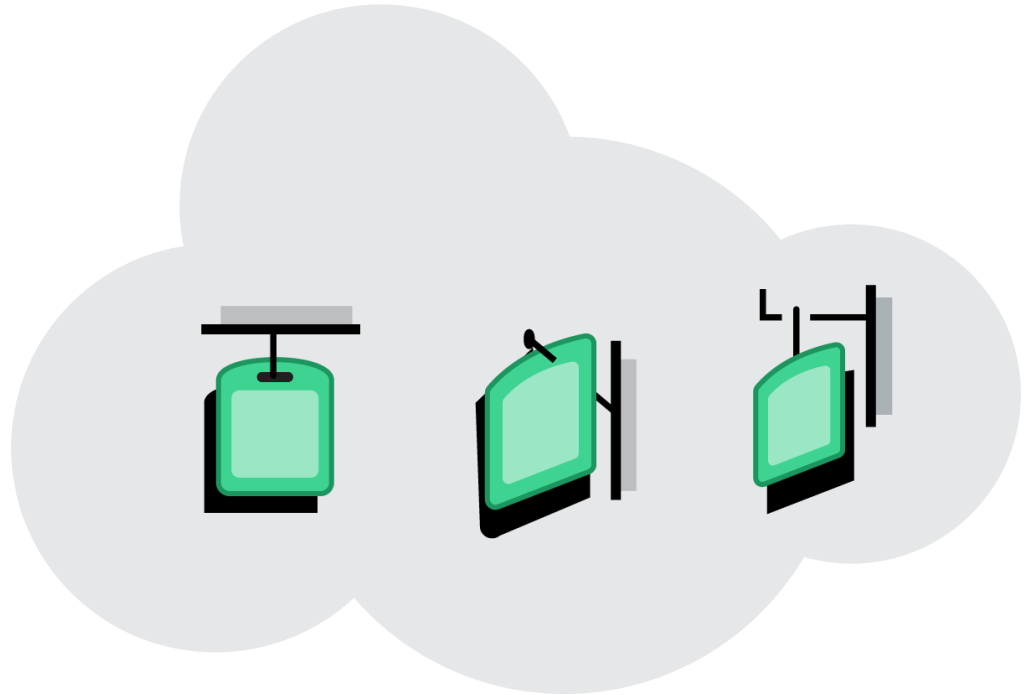
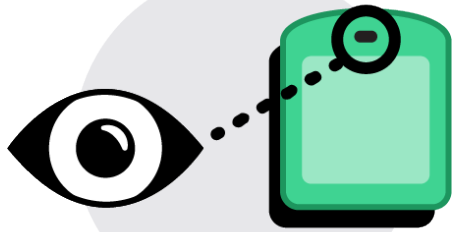
Paper to show the client



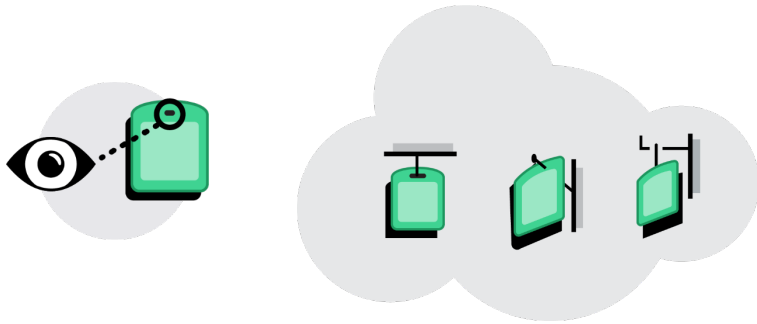
Important information to share

- Guardian™ needs to be placed in each room. A room is considered anytime a structure is divided into different spaces – whether by a permanent wall or curtain/fabric. It does not matter if the divider does not fully reach the ceiling/roof. Each room will need the appropriate number of Guardian™.
- Place Guardian™ evenly throughout room, leaving space around product.
- Do not hang product in doorways or windows. Placing product in doorways or windows may cause the active ingredient to go outside instead of protecting the house. It may also lead to the wind causing the product to fall down and not be effective.
- Do not hang or place anything in front of product – including clothes, pictures, furniture, etc. Guardian™ needs to be open to the house so that the active ingredient may spread throughout the home. Hanging or placing anything in front of the product may cause it to not be effective in preventing mosquito bites.
- Product should be hung out of children's reach.

Ways to hang Guardian™



Paper to show the client



Important information to share

- You can hang Guardian™ using common household materials.
- Use what you have to hang Guardian™ from wall or ceiling. This could be nails, hooks, tape, or string.
- Look for the holes at top of Guardian™ product.

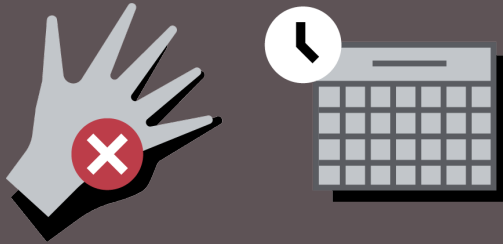
Questions you can ask

- What items do you have at home for hanging this product?

To safely dispose of Guardian™

Do not move for

1 year



Ask an official and follow their advice



Do not leave on
ground or road

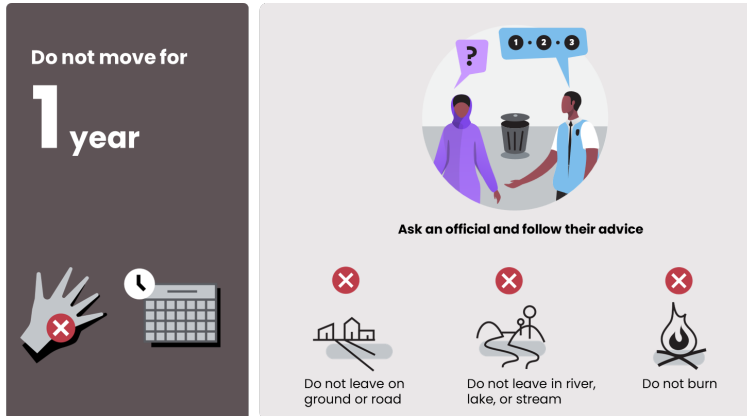


Do not leave in river,
lake, or stream



Do not burn

Paper to show the client



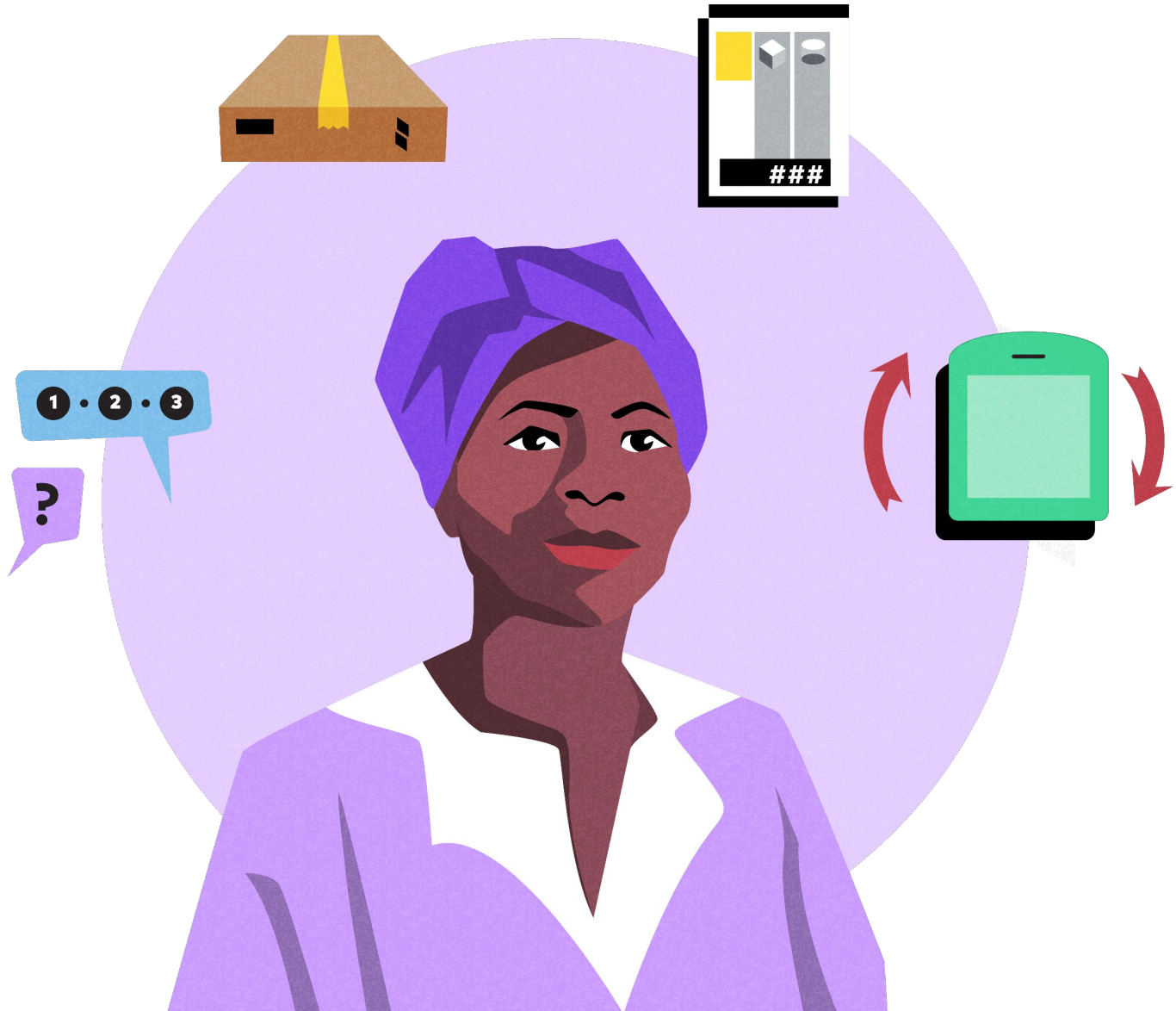
Note

*Advise participants of your **local** guidance for disposal. Your program administrator should give you this information prior to distribution meetings.*

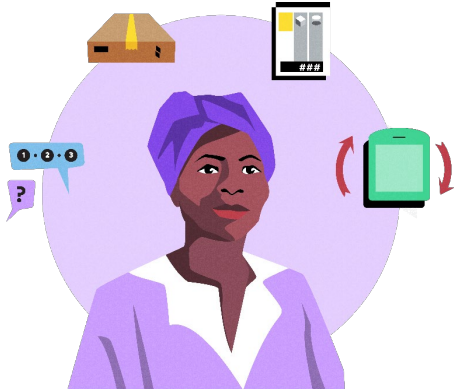
Important information to discuss

- Dispose the Guardian™ product in your house after 1 year of use.
- Before disposing, ask an official and follow their advice.
- Do not leave product on ground or road.
- Do not leave product outside in a river, lake, or stream. Disposing in waterways may be harmful to aquatic life.
- Do not burn product.

What you can do next



Paper to show the client



Important information to discuss

- Do you have any questions for me?
- You can come and ask me questions at any time.
- Here is what we will do next: