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# The ABCDR project

A study to assess the durability  
of mosquito nets for malaria  
control in Tanzania, 2013-2018



[www.medis-mill.com](http://www.medis-mill.com)

In search of more cost-  
effective and longer lasting  
nets for malaria control

## Background

## Objective

Compare net durability after 3 years.

## Study sites

3,420 households in 76 villages in 8 districts in Tanzania.



## Distribution of nets

10,500 nets distributed in October-December 2013.

Follow-up in 2014, 2015, and 2016 assessing the durability and use of nets.

## Main outcomes

## Nets with holes

- Long Lasting Insecticidal Nets are still protective against mosquito bites, even when they have some holes.
- The insecticide on the net reduces the number of mosquitoes that enter through holes and continue to kill mosquitoes for many years.

### Net damage

- Most holes are located at the bottom of the net.
- High-risk area for mosquitoes to enter the net are at the roof.



## Net presence

- 34% of the nets given by project in 2013 were still present in the households in 2016.

## Insecticide resistance

- Resistance in malaria mosquitoes to most public health insecticides was present in many of the study sites.

## Recommendations

## Net use

- If the only choice is between using a net with holes, or not using a net at all, use the net with holes.
- Use all nets available.



## Take care of your net!

- Tuck in the net carefully.
- Tie up the net after use.
- Avoid net being damaged by bedframes, animals, children, etc.

## Repair your net!

When small holes occur, repair them straight away to avoid them from becoming larger.

