Indoor Residual Spraying (IRS)

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Indoor residual spraying (IRS) is the application of residual insecticides to internal surfaces & eaves of dwellings, shelters & structures to kill or repel mosquitoes when they use these surfaces to rest.
Why IRS?

“There is abundant evidence that IRS is very effective in both stable and unstable malaria transmission areas where local vector populations are dependent on indoor resting and biting. In many areas, IRS has proved crucial for the reduction or even eradication of malaria.”

Bulletin of the World Health Organization, 2000, 78 (12) 1397
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Principles of IRS
Implementing an IRS campaign is like being pregnant:

It is not possible to be mostly or partly pregnant. Once pregnant, you’re in for the long haul.
IRS Should Be

TOTAL: all dwellings (> 85%) are sprayed;

COMPLETE: covering all sprayable surfaces;

SUFFICIENT: the selected insecticide must be applied uniformly over all surfaces

TIMED: residual effect should last through transmission period
Basic Requirements

- Mosquito rests / bites indoors (endophilic / endophagic)
- Mosquito is susceptible to the chosen insecticide
- Insecticide residual activity covers transmission period
Basic Requirements

✓ Political Will

✓ Community acceptance & endorsement

✓ Well trained & motivated spray teams

✓ Susceptible mosquito

✓ High coverage: >85% of houses sprayed
Why Corporate Involvement?

It is a good corporate & social investment.

Change seldom comes from the establishment. It comes from people with vision and passion to implement them.
What you get from us

1. Arguments for implementation
2. The business case for IRS
3. Examples of returns for the investments
4. Advice / counsel from established programs
5. Honest & frank discussion
If you want to go fast, go alone.
If you want to go far, go together.
Illustrative exercise