

# THE ROLE OF SPEAK INDIA

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# POST-ELIMINATION AGENDA

- The Gates Foundation supports a wide range of investments through key partners like the Innovative Vector Control Consortium
  - Discovery – Behavior of vector species in relation to hosts
  - Translation – Screening large chemical libraries for new insecticides
  - Pre-development – Determination of product design for sugar baits
  - Development – Registration trials for eave tubes
  - Marketing and market shaping – Volume generation and price structuring of indoor residual sprays
  - Sustainable impact – SPEAK
- The Gates Foundation seeks equal value for all human lives
  - Implies that the neglected diseases will be addressed
  - Implies that the hard problems are the ones that need work
- The Gates Foundation stresses the importance of impact
  - Registration is not enough
  - Results should be measurable and time-specified



# THE SEQUENCE OF VECTOR CONTROL REQUIRES:

## Risk Assessment

- Identify the problems: Social, legal, entomological
- Prioritize geographies
- Assemble relevant information
- Design and mathematically test solutions

## Surveillance

- Measure entomological and epidemiological factors
- Identify times and locations for intervention at relevant scale for operations

## Intervention

- Acceptable safety
- Feasible in cost and delivery
- Sequenced and timed to leverage effect
- Methods used at right places and times

## Monitoring

- Assure sufficient efficacy by entomological and epidemiological measurement
  - Quality control
  - Adaptive management to respond to changes
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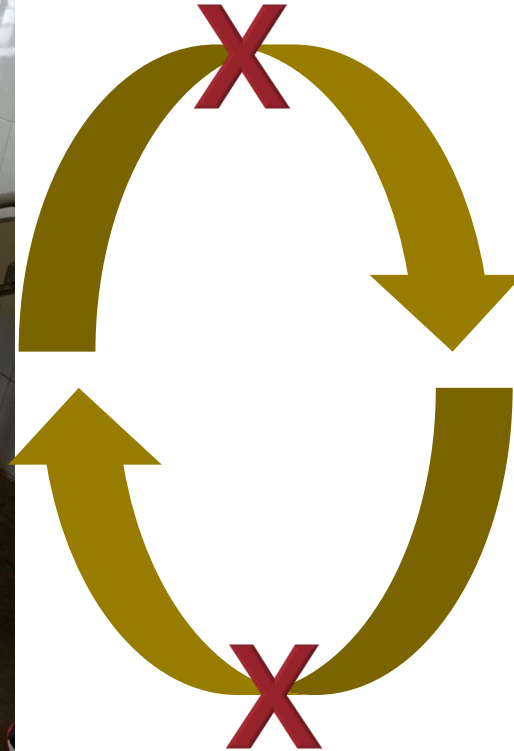
# COMBINING THE MEDICAL AND THE ENTOMOLOGICAL

- Logical case to attack problem at reservoir and transmission
  - Detection of parasite
    - In vectors
    - In reservoirs
  - Remove the parasite from reservoirs
  - Decrease transmission
- But it would be adequate to
  - Remove parasites from 100% of reservoir hosts
  - Completely stop transmission





By finding and  
treating human  
infection



By reducing transmission  
from sand flies







Thanks!

from Seattle BMGF