RBM VECTOR CONTROL WORKING GROUP
DURABILITY OF LLINS IN THE FIELD WORK STREAM

ONGOING STUDIES ON DURABILITY

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Division of Parasitic Diseases and Malaria
• From the WHO guidance note for VCTEG report to MPAC: (Sept. 2013)
  • Next steps
    • Countries
      • Include data collection and analysis on LLIN survival in their work plans.
      • Analyze available data according to VCTEG methods.
      • Share the results with other countries and partners to develop a better understanding of the dynamics of LLIN survival.
      • Include median LLIN survival estimates in planning for LLIN replacement.
    • Partners
      • Support countries to conduct studies and build capacity.
      • Undertake or support research to address outstanding issues.
      • Actively contribute to improving methodologies.

• How can the Durability Work Stream support these steps?
  • Communication
  • Technical Expertise
  • ???
Communicating the status of ongoing studies

• Snapshot of activities.
  • Who, where, which LLINs?
  • Outcomes measured.
  • Timing for results.

• Speeding the availability of results.
  • Program planning
  • Procurement decisions

• Communicating ways to improve implementation of studies.
## PMI funded activities to assess net durability

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>LLINs UNDER STUDY</th>
<th>PermaNet 2.0</th>
<th>PermaNet 3.0</th>
<th>Year Started</th>
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From: Fornadel et al., MIM Malaria Conference, Durban, October 2013
# Non-PMI Field Studies

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<tr>
<th>Country</th>
<th>PI</th>
<th>Organizations</th>
<th>Start</th>
<th>PermaNet 2.0</th>
<th>PermaNet 3.0</th>
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<th>NetProtect</th>
<th>Duranet</th>
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<td>Norwegian University of Life Sciences, Ifakara Health Institute, LSHTM</td>
<td>2013</td>
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Ongoing laboratory studies addressing durability in the field

- Identifying causes of LLIN damage
  - Leeds University
- Laboratory tests to predict physical durability
  - CDC / North Carolina State University
  - WHOPES / CITEVE
- Defining a “failed” net -- measuring the ability of mosquitoes to penetrate nets with holes and reduced insecticide levels.
  - CDC / Trent University
- Net care & repair?
Issues

• What is the best way to collect and disseminate information about ongoing research?
  • Web site
  • Regular teleconferences (?)
  • Symposia
    • Presentations on the web?
  • Publication list (on the web)

• Can the Durability Work Stream coordinate technical expertise to assist the planning and design of studies?