PMI Perspective After Six Years of IRS Implementation

Elissa Jensen, Public Health Advisor
U.S. Agency for International Development
IRS Coverage Since 2006

(in millions)

Houses Sprayed

People Protected by IRS

*2011 data is preliminary
PMI Focus Countries

2006: Angola, Tanzania, and Uganda
2007: Malawi, Mozambique, Rwanda, and Senegal
2008: Benin, Ethiopia (Oromia Region), Ghana, Kenya, Liberia, Madagascar, Mali, and Zambia
2010: Democratic Republic of the Congo and Nigeria
2011: Guinea and Zimbabwe

Percentage of people (2–10 years of age) with *Plasmodium falciparum* parasites in their blood (2007)

- No < 0.1
- 0
- 100
- 1
Key Challenges Related to Coverage

Maintaining Coverage

*Given current funding and insecticide resistance*

Achieving Economies of Scale

*Given difference in costs between small and large programs*
Able to Maintain Coverage in Face of Insecticide Resistance?

*2011 data is preliminary

Houses Sprayed

People Protected by IRS
Economies of Scale Detected at 150,000 Houses

Source: “An economic analysis of the costs of IRS in 12 PMI countries, 2008-2010.” Produced by RTI, with support from PMI. Available at pmi.gov.
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Two Critical Needs

Quantifying Capacity

To better target resources and promote country ownership

Addressing Emerging Questions

For how long, with what, how much...?
Building Capacity...but Proving It?

- PMI has focused on capacity building at all levels
- But measureable to date?
- In 2012, PMI-supported Abt project will develop a capacity assessment tool.

*Critical that external experts are engaged.*
Emergence of Technical Questions

• Increasing complexity of emerging questions
• Examples:
  — Given widespread ownership of LLINs, what is the optimal use of IRS?
  — How will changing vector behavior impact our programs?
  — How do we adapt to changing epidemiology; when do we move from blanket focal spraying, and how do we target focal areas?
• Need to help build a better evidence base
Emergence of Technical Questions

• How can we more frequently and systematically engage the VCVG in supporting countries in answering these questions?
• How can we work together to build a stronger evidence base for IRS?
Thank you for your attention!