











Monitoring sites: Standard and Streamlined

PMI VectorLink is supporting durability monitoring in 15 countries

Streamlined monitoring 2021/2022

Madagascar

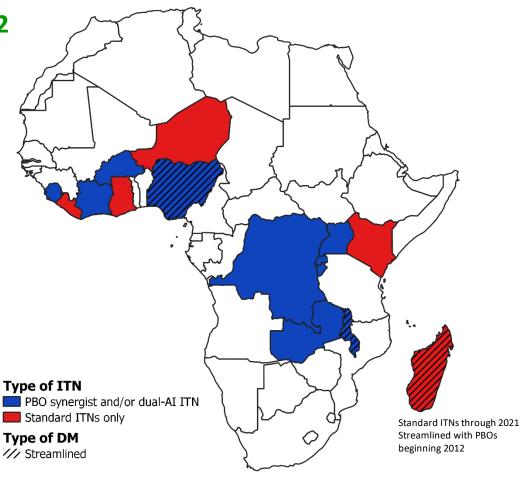
(PermaNet 3.0, SafeNet, Yahe LN)

Malawi

(PBO, IG2, Royal Guard)

Nigeria

(IG2)



Streamlined durability monitoring objectives

Background

- DM studies conducted in over 20 countries, covering a dozen ITN brands.
- Need for targeted approaches to directly measure field performance of new Als, particularly in countries that have conducted full DM.

Objectives

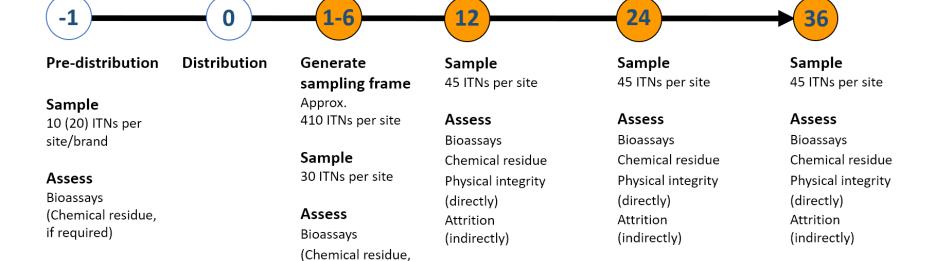
- 1. Assess and compare the insecticidal efficacy of one or more ITN brands in one or more locations, as measured by bioassays and chemical testing, and identify major determinants of field performance.
- 2. Monitor the physical integrity of one or more ITN brands in one or more locations, as measured by a hole assessment and a short questionnaire.
- 3. Estimate indirectly the level of attrition of the nets at each round.

Streamlined monitoring design

if required)

Physical integrity (directly)

Attrition (indirectly)



Standard	Indicator / Measure	Streamlined
✓	Proportion of nets in serviceable condition / Median "useful" life	*
Exact measure	Attrition	Indirect measure
More generalisable	Physical integrity	Less generalisable
Lower precision	Insecticidal efficacy (bioassays)	Higher precision
Lower precision	Chemical content	Higher precision



www.durabilitymonitoring.org

Streamlined Durability Monitoring Package

The President's Malaria Initiative (PMI) Insecticide Treated Net (ITN) Streamlined Durability Monitoring Package is available for countries primarily interested in evaluating bioefficacy and physical integrity of ITNs, and where previous rounds of standard durability monitoring have been conducted. Study materials and tools are related to study design, implementation, and data collection.

- Protocol
 - 1. Protocol
- Budget
 - 2. Budget Template
 - 3. Budget Notes
- . Information and Consent Forms
 - . 4. Creating the Sampling Frame (Net Listing)
 - . 5. Baseline Visit
 - . 6. Follow-Up Visits
- Questionnaires
 - 7. Net Listing and Sampling Form
 - 8 Questionnaire

Protocol

Budget

Information / consent forms

Questionnaires

Standard Durability Monitoring Package

The President's Malaria Initiative (PMI) Long-Lasting Insecticidal Net (LLIN) Durability Monitoring Package comprises two parts. Part 1 includes materials and tools related to study design, study implementation and data collection, up through the data entry stage. Part 2 includes materials and tools for data cleaning, preparation, analysis, and interpretation, including reporting.

Streamlined monitoring implementation

Fieldwork materials

- Net listing and sampling form to create sampling frame
- One questionnaire used for all study rounds, fielded electronically
- 44 questions for respondents + linked hole assessment
 - Net availability and attrition
 - Existing bioassay net questions
 - Household head education and household characteristics
 - Hole assessment

Streamlined Durability Monitoring of ITNs

			., 3. 1	
SECTIO	N A: Questions for the selected car	mpaign net(s)		
No.	Question	Categories		Skip
Q01	Selected net ID			
Q02 Is t	Is the net still present?	Yes	1	
		No	0	0 ⇒ Q05
Q03	Is the net available to be withdrawn?	Yes No	1 0	1 ⇒ Q09
Will be a second of the		Locked in a room or building	1	All ⇒ Next net or End*
	Why is the net not available to be	Removed for washing	2	
Q04	withdrawn?	Taken to tailors	3	*Determined by sampling
		Other	4	and ODK
		Specify		program
Attritic	on questions for selected nets no lo	onger present in the household		
	How long did you have this net?			
Q05	>> Enter 00 for below 1 month >> Enter 98 for don't know	months		
				1 ⇒ Next net
		Net was stolen	1	or End
		Net was destroyed accidentally	2	2 ⇒ Next net or End
		Net was sold	3	3 ⇒ Q08
Q06 Can you tell me what h		Net was given away to relatives	4	4 ⇒ Q08
	Can you tell me what happened to the net?	Net was given away to others	5	5 ⇒ Q08 6 ⇒ Q08
		Net was thrown away Material used for other purpose	- 6 - 7	7 → 007
		Used by family member(s)		10 ⇒ Next
		elsewhere (e.g. school, farm)	10	net or End
		Other Specify	8	8 ➡ Next net or End
		Don't know	9	9 ⇒ Next net
		Don't know	,	or End
		Window/door/eave covering	1]
Q07 What was this material used for		Protecting plants/seedlings/crops	2	
		Fishing Drying fish	3 4	-
		Bedding/padding	5	1
	What was this material used for?	Around latrine/fencing	6]
		Patch other nets Cut up and used for various purposes/	7	
		Cut up and used for various purposes/ rope/tying things	8	
		Other	9	1
		Specify		
		Don't know	10	
Q08 (D)	Why did you not keep this net?	Net was too torn, too many holes	1]
	>> Enter first reason mentioned	Net was too dirty	2	
		Net was not needed at the time We did not like this net	3 4	All ⇒ Next
	(Displayed response options will be	We did not like this net Needed the money	5	net or End
	determined by response to Q06 to ensure data integrity)	Other	6	1
	Sold Integrity)	Specify	-	
	l .	Don't know	9	

Streamlined monitoring implementation

Training

- Baseline STTA (optional) and targeted remote training with small core country study team
- Topic sessions will last 1-3 hours, include practical exercises and will be scheduled flexibly to fit participant schedules
- SOPs prepared / being finalized

Analysis

- Developing standard bioassay Excel data entry forms with automated analysis (to supplement approaches in statistical analysis software)
- Developing Excel templates for automated hole analysis that read data outputs from electronic questionnaire.

Reporting

- Simple, short, visual study briefs generated for NMCP and PMI audiences in first instance
- Briefs include results, interpretations, and recommendations based on a decisiontree using cut-off values modified from existing DM guidance

Thank you









