

Raising the Floor on Nets

Convening on ITN Quality and Performance

May 17 - 19, 2022 Liverpool, United Kingdom

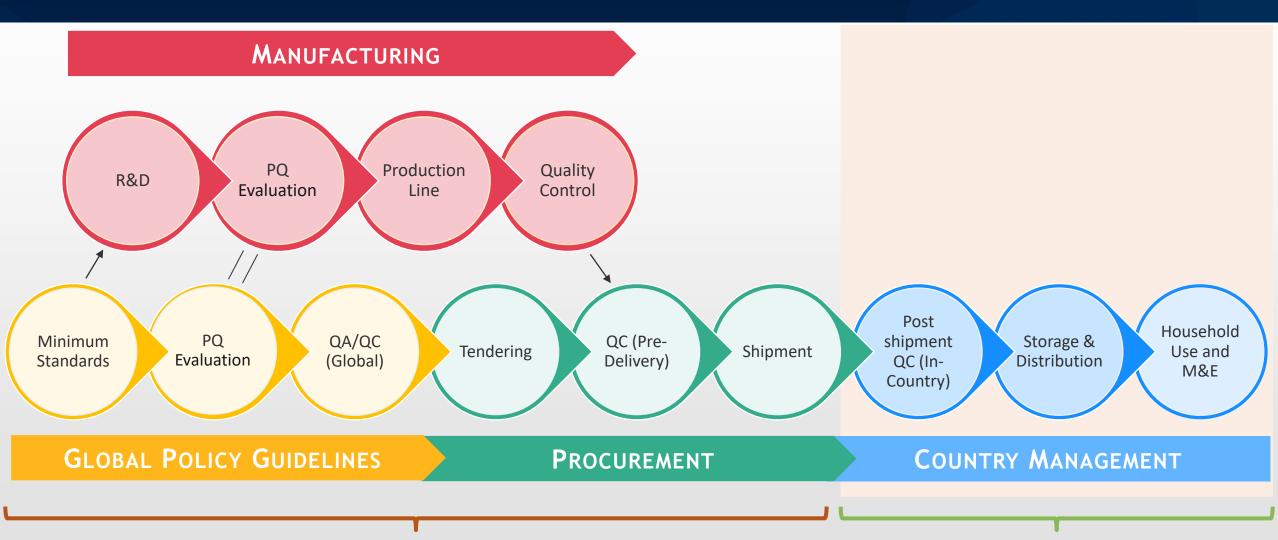


BILL & MELINDA GATES foundation

Overview of the second convening

- The convening was a three-day, in-person workshop hosted by I2I and CHAI in Liverpool, UK.
- It was the second such meeting, following the first convening (December 2021). The primary aim of the meeting was to outline a framework approach to ITN quality and performance, discuss major challenges around net quality and performance and opportunities to resolve these challenges, and to chart a way forward.
- The objectives of the second meeting were:
 - 1. Provide an update on the activities prioritized following the first convening in December 2021.
 - 2. To present an overview of factors that influence and drive net quality and performance, with a focus on post-shipment issues.
 - 3. To discuss potential solutions and pathways to fundamentally improve ITN quality and performance while addressing program country concerns.
 - 4. To build consensus and buy-in for these solutions among key stakeholders.

Second convening focused on country management aspects



Pre-Shipment (covered in first convening)

Post-Shipment (to be covered in this convening)

Outline for the three days of the convening

CONVENING DAILY OBJECTIVES:

Day 1

- Update on progress since the first convening & consensus on next steps
- Understand issues experienced during the delivery, distribution and post-distribution phases of ITN life

Day 2

 Engage in collaborative discussion to agree on issues, discuss tangible solutions and develop a vision of success for post shipment ITN quality & performance

Day 3

- Learn about the latest thinking on measuring surface availability and bioavailability of Als on ITNs
- Gain consensus key activities and agree timelines for implementation

And Beyond

- Establish working groups to lead the way forward on key priorities identified
- Continue to foster collaboration for timely delivery of activities in the theory of change

Participants included representatives from across normative bodies, industry, procurement, supporting non-profits, and country malaria programs

Global Policy

WHO PQT

Industry & PDPs

- BASF
- Bayer
- IVCC
- Mitsui Chemicals
- Moon Netting
- Sumitomo
- Vestergaard
- Mainpol
- VKA Polymers
- Yorkool
- Facilitators
- 121
- CHAI

Researchers

- CREC
- CSRS
- IRSS
- KCMUCO
- LSHTM
- LSTM
- PNG- IMR
- STPH
- Procurers & Donors
- Assurance Group (LQAG)
- BMGF
- IDA
- GFATM
- PMI, GHSC-PSM, CDC
- Real Relief
- UNICEF

Governments & Regional Networks

- PAMCA
- Burkina Faso NMCP
- Cambodia NMCP
- Ghana NMCP
- Malawi NMCP
- Madagascar NMCP
- Nigeria NMCP
- Pakistan NMCP
- Uganda NMCP
- SADC
- NGOs & Country Partners
- AMP
- International Public Health Advisors
- Tropical Health

Guiding questions throughout the meeting

Defining the Issue

- What is(are) the issues?
- Do we understand the cause(s)?
- What decisions are affected?

Understanding the Issue

- What data do we have to inform on these issues?
- What information do we need?
- How do we go about getting this information, sharing it, and making decisions on it?

Resolving the Issue

- What would a 'vision of success' look like?
- What needs to be in place for these solutions to be implemented?
- Who should be responsible and who can play a role?
- What are realistic timelines for solutions?

Save more lives: Better access to high quality, efficacious VC

OUTCOMES

Quality management system drives continual mprovement in ITN qualit Improved communication and trust among stakeholders Countries supported to make informed decisions on quality

Procurers use data to make value-based decisions

Quality and innovation are incentivized

Product specifications represent attributes that correlate with performance

Methods are standardized

OUTPUTS

ACTIVITIES

- Revised physical and chemical specification requirements
- Fit for purpose methods validated
- Revised product change guidance
- Reports on wash resistance, Al/bioefficacy relationship
- New editions of product testing guidelines

- ISO 9001+ specific for ITN manufacturing
- Data landscaping report
- Database / data sharing platform
- Blueprint for external quality assurance scheme for ITN testing facilities
- ITN testing facility capacity assessments and action
 plans
- ITN market analysis report
- Manufacturer quality management system risk stratification
- Context-relevant procurement model
- ITN quality guidance for regulators and NMCPs
- Post distribution data toolkit
- Case studies providing examples success and challenges of QA system

Quality and Performance Metrics

- Link product specifications with performance
- Revise product testing guidelines

Robust QA process

- Develop quality management system standards specific to ITN manufacturing
- Improve consistency of ITN lab testing results
- Improve transparency of data and process

Incentives for Quality and Innovation

- ITN market analysis to identify drivers of quality and value
- Enhance procurement model and shape market to reward quality and innovation

Country Stewardship

- Harmonize in-country approach to quality & performance management
- Improve regulatory preparedness for quality changes

Communication, Clarity, Trust, Transparency

Key focus areas for post-shipment ITN quality issues

Post-manufacturing quality assurance

- 1. Definition of terms for post-market surveillance, what this includes, what data is available and what is needed
- 2. Building trust in pre-shipment inspection: Standardization of tests, Stipulation of best practices for third party inspectors, Data sharing for pre-shipment assessments, Advocacy brief on QMS and auditing the implementation of ISO-9001
- 3. Data on user preferences and ITN usage to inform product updates, including to fix identified problems, and to support innovation

User-centered Design

- 1. Increase focus on and better understand causes of ITN attrition and retention
- Clarify value of increased lifetimes [work ongoing] and translate that to flexible processes that can be informed by data [donors, procurers, countries]
- 3. Review design factors, labelling and packaging to support appropriate handling for users

Cross-cutting issues

- 1. Broader glossary of terms covering pre and post shipment quality processes
- 2. Performance standards: what can reasonably be expected from performance standards and how can user data be incorporated?
- 3. Guidelines for in-country storage and transportation of nets, including for inspections of storage facilities and response for non-conformity

Ongoing work following both convenings

- Raising the floor of nets (CHAI/ I2I)
 - Update the theory of change based on feedback from country malaria programs and other partner organizations
 - o Develop a roadmap to clarify key activities, timelines, roles and responsibilities, outputs, and indicators of success
 - Develop a communication and engagement strategy including a glossary of terms
 - Work with key partners to identify the list of priority terms to be included in the glossary
 - Collate key resources and industry standards at a centrally available point
- Continue to push forward with activities already under way and identified as priorities
 - Establish a working group to identify strategies to strengthen QMS standards (I2I, LQAG)
 - Harmonize quality testing guidelines for pre-shipment sampling and testing (LQAG)
 - o Investigate links between product specifications and eventual performance; particularly physical characteristics (PQ/NIRI/I2I)
 - Review product testing and evaluation methods for potential updating (I2I)
 - o Develop a case for Return on Investment for improved performance of ITNs and identify potential procurement incentives (I2I)
- Priority activities identified following the second convening
 - Develop vision for Post Market Monitoring of ITNs (I2I/CHAI/LQAG/PQ/manufacturers)
 - o Investigate possibilities for climatic monitoring of ITNs during transport
 - What can reasonably be expected from performance standards and how can user data be incorporated?
 - o Identify new ways to capture ITN usage in households and re-look at durability monitoring
 - o Outline activities to build trust in the pre-shipment testing processes
 - Consolidate glossary of terms for ITN QA
 - Develop a roles and responsibilities document of the QA process
 - Identify opportunities to share appropriate QA data throughout the ITN lifecycle

Thank You

For more details contact:

Tara Seethaler -<u>tseethaler@clintonhealthaccess.org</u>
Angus Spiers - <u>angus.spiers@innovation2impact.org</u>