

Workstream one (WS1)

Enhancing the Impact of Core Interventions

Introduction of WS1 and Task team leaders

Presenters: Allan Were and Mary Kante

Welcome! From the Workstream one co-leads



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Introduction to Team leads

WS1 Task Team One: *Using data to inform optimal selection and deployment of core interventions*



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Introduction to Team leads

WS1 Task Team Two: *Addressing biological threats - new insecticides for vector control*



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Introduction to Team leads

WS1 Task Team Three: *Capacity building, localization, and private sector involvement for sustainable vector control*



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Introduction to Team leads

WS1 Task Team Four

Private sector involvement for sustainable vector control



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Workstream One

Enhancing the Impact of Core Interventions

Annual Meeting 2024
Priority Issues and Perspectives

Presenters: Allan Were and Mary Kante

WS1: Annual Meeting 2024

Overview of Priority Issues and Perspectives for Core Interventions

Health outcomes

- **2000-2022:** Estimated 2.1B malaria cases and 11.7M malaria deaths averted
- **Malaria cases:** Estimated increase of 5 million cases in 2022 (from 2021)
- **Malaria deaths:** Estimated 608,000, decreasing from 631,000 in 2020 (up from 576,000 in 2019)
- **MIP:** 12.7 million (36%) PW were exposed to malaria infection during pregnancy

Source: World Malaria Report 2023

WS1: Annual Meeting 2024

Overview of Priority Issues and Perspectives for Core Interventions

Access to and use of core interventions

- **ITN Access and use**
 - 70% of HH had at least 1 ITN (2022)
 - 56% of the population had access to an ITN and 49% slept under an ITN (2022)
 - No significant increases in access to or use of ITNs since 2015, despite massive investments
- **IRS Coverage**
 - Percentage of the population at risk protected by IRS in endemic countries decreased from 5.5% (2010) to 1.8% (2022).

Source: World Malaria Report 2023

WS1: Annual Meeting 2024

Overview of Priority Issues and Perspectives for Core Interventions

Challenges

- **Resource constraints:** Global funding gap of \$3.7B
- **Insecticide resistance:** Of 88 countries providing data, 78 detected resistance to at least one insecticide class in at least one malaria vector, and one collection site
- **ITN quality and performance:** Approx ½ of countries on average expect no more than two years of useful life from ITNs delivered
- **Instability:** From 2019–2022, 41 endemic countries suffered humanitarian and health emergencies
- **Shocks:** Famine, Flooding, Direct and indirect effects of climate variability, Extreme weather, Conflict

Source: World Malaria Report 2023

WS1: Annual Meeting 2024

Overview of Priority Issues and Perspectives for Core Interventions

Opportunities

- WHO recommendations for the deployment of
 - Pyrethroid-chlorfenapyr versus pyrethroid-only ITNs (strong) and versus PBO ITNs (conditional)
 - Pyrethroid-pyriproxyfen instead of pyrethroid-only ITNs (conditional)

Source: World Malaria Report 2023

Workstream One

Enhancing the Impact of Core Interventions

Agenda April 15, 2024

Presenters: Allan Were and Mary Kante

WS1: Enhancing the Impact of Core Interventions

Annual Meeting Plan

Session	Title	Facilitators	Speakers
Session 1	Global Insecticide Resistance (IR) and Vector Control (VC) trends and their implications for new tools, with a focus on impact and resistance monitoring	Team 2: Christen Fornadel, IVCC and Mulamuli Mpopu, Chemonics	Sylvester Coleman, LSTM Joseph Chabi, Abt Associates Rosemary Lees, LSTM Emily Hilton, PATH Louisa Messenger, University of Nevada
Session 2	Optimizing VC resources – Implications of Global IR and VC trends for national planning, global funding, prioritization, and domestic financing	Sylvester Coleman-LSTM Team 4: El Hadji Amadou Niang-UCAD	Otubea Owusu Akrofi , NMEP Ghana Ketty Ndhlovu, NMEP Zambia Prisca Ngo Tappa, Littoral Regional Fund for Health Promotion, Cameroon
Afternoon break / fair-trade coffee, selection of teas, fruit juices, snacks Networking / Poster viewing			
Session 3	From Policy to Practice: approaches on engaging private center in vector control	Team 3: Sam Asiedu-AGAMal, Andrew Saibu-IVCC Jessica Rockwood-IPHA	Robert Mugerwa, Uganda NMCD Samuel Asare-Bediako, Benso Oil Palm Plantation Otubea Owusu Akrofi , Ghana NMEP
Session 4	Improving the effectiveness of ITN campaigns: net design, frequency of distribution, and digitizing campaigns	Team 1: Ketty Ndhlovu-NMEP Zambia, Chrispin Williams-NMCP Liberia, D. Levi Hinneh-NMCP	Janneke Snetselaar, IVCC Andrew Glover, Imperial College Giovanni Dusabe, AMP
Session 5	Addressing non-biological threats: ITN quality, access and use, durability/replacement	Mary Kante, ECC and Allan Were, MSH	Lucia Fernandez Montoya, CHAI [Remote presentation] Tara Seethaler, CHAI