

# AJTMH Malaria Surveillance Supplement Series Initiative: *Updates*

**33<sup>rd</sup> SMERG Meeting**, 17-20 May 2022, Kigali Rwanda  
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Yazoume Ye

# Objective of the Journal Supplement Series

- Since 2015 countries have been streamlining malaria surveillance as core intervention in line with WHO recommendations and guidelines
- There are a number of publications related to malaria surveillance in different peer-review journals – but not consolidated
- The proposed journal supplements aim to provide a one-stop-shop on how malaria surveillance is being implemented as a core interventions – practical cases, progress, challenges and lessons learned.

# Scope of the Supplement Series

- Supplement series will:
  - **Cover the key domains of surveillance** :collecting, recording, reporting, analysis, presentation, interpretation and evaluation, dissemination and use
  - **Provide evidence of improvements and challenges** along the continuum to surveillance system improvement across different transmission settings
  - **Address potential disruptions to the surveillance system**, including COVID19, and ways in which both implementation and measurement of surveillance systems need to adjust to the new context to mitigate setbacks.
- Three journal Supplements:
  - **Supplement 1:** Surveillance as a core malaria intervention
  - **Supplement 2:** Data for decision-making: quality check, analysis, visualization and use
  - **Supplement 3:** Assessing the performance of a functional malaria surveillance system

# Journal Supplement 1 - Content

## ***Malaria Surveillance as a Core Intervention***

*Harmonized description of how malaria surveillance is transformed into a core intervention, its importance in the “post-COVID”/“COVID-endemic” context and describe implementation of surveillance as an intervention to guide programming of malaria interventions across transmission settings.*

### **Guest Editors:**

Debra Prosnitz

Yazoume Ye

### Articles will include:

- Review surveillance system components,
- Provide a conceptual framework for effective surveillance systems,
- Outline methods and provide case studies for assessing surveillance system strength and identifying gaps,
- Discuss ways to leverage existing services (CHWs, ANC, private sector) for a more robust surveillance system, and
- Highlight the importance of country leadership for effective and sustainable malaria surveillance.

# Journal Supplement 1 – Status and Timeline

No	Suggested Manuscript Title	Lead author	Status
1	<b>Editorial:</b> Operationalizing surveillance as a malaria intervention: data use for action	Roca-Feltrer , Arantxa	<b>Published on April 25<sup>th</sup></b>
2	<b>Perspective:</b> How COVID-19 is reshaping malaria surveillance: perspectives from national malaria programs		TBD
3	Local leadership for a health systems approach to strengthening malaria surveillance: improving human resources and governance for surveillance		TBD
4	Surveillance as a core intervention to strengthen malaria control programs in moderate to high transmission settings	Thwing, Julie	<b>Accepted</b>
5	Assessment of the “test, treat, and track” cascade for malaria case management: an integrated approach to malaria surveillance system assessment and epidemiological and impact reviews		TBD
6	Value added in a qualitative approach to malaria surveillance, monitoring and evaluation	Lwendo Moonzwe	<b>Under revision</b>
7	Routine health facility- and antenatal care-based malaria surveillance: challenges and opportunities	Gutman, Julie	<b>Accepted</b>
8	Optimizing routine malaria surveillance data in urban environments: A case study in Maputo City, Mozambique	Stresman, Gillian	<b>Under review</b>
9	Surveillance among mobile and migrant populations		TBD
10	Private sector contributions to national malaria surveillance systems in elimination settings: Lessons learned from Cambodia, Lao PDR, Myanmar, and Vietnam	Tesfazghi, Kemi	<b>Accepted</b>

# Journal Supplement 2 - Content

***Data for decision-making: surveillance data, analysis, visualization and use***

*The supplement will address malaria surveillance data sharing, integration, interoperability, and use*

***Guest Editors:***

Arantxa Roca-Feltrer

Diallo Diadier

Debra Prosnitz

Articles will include:

- Provide an outline for a proposed global data integration platform,
- Discuss the role of malaria data dictionaries and descriptions of data dictionary development and operationalization in pilot countries,
- Outline best practices in surveillance data analysis, and
- Present results from malaria mortality analyses, and best practices and lessons learned for integration, interoperability, and analysis.

# Journal Supplement 2 – Status and Timeline

No.	Suggested Manuscript Title	Status
1	Developing a global data integration platform in support of malaria prevention, control, and elimination across 27 countries	Draft manuscript
2	Lessons learned and best practices to promote data use and data to action in the surveillance context	Draft manuscript
3	Leveraging routine data for malaria vector control evaluation: methodological considerations for conducting observational analyses	Draft manuscript
4	Dashboards for data visualization, analytics, and use	TBD, maybe move to Supplement 3
5	Best practices for analyzing routine health management data	Draft in process
6	Integration and interoperability of malaria surveillance systems and climate data	TBD
7	Surveillance systems: a tool for understanding spatio-temporal patterns in malaria burden	Draft in process
8	Bridging the gap from molecular surveillance to policy development for malaria control	Draft manuscript
9	Perspective: Surveillance for action: the role of the private sector across the transmission continuum	Draft in process

## Timeline:



# Journal Supplement 3 - Content

## ***Assessing the performance of a functional malaria surveillance system***

*The supplement will review current surveillance tools, approaches for data quality assessment and improvement, and practical experience and lessons learned for how to improve quality of routine data and practical experience describing selection and implementation of new data use strategies*

**Guest Editors:**  
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### Articles will include:

- Present a rapid landscape analysis of surveillance tools and approaches,
- Review tools and approaches for routine monitoring of surveillance data quality,
- Report results and lessons learned from surveillance data quality assessments
- Describe surveillance data use and decision-making processes



# Journal Supplement 3 – Status

No.	Suggested Manuscript Title	Status
1	Surveillance as a core malaria intervention: how to operationalize it in countries	Draft in process
2	System effectiveness of malaria surveillance-response systems: a conceptual and analytical framework	Draft in process
3	Rapid landscape analysis of current surveillance tools and approaches for data quality, data use, and data to action	Draft in process
4	M-DIVE use cases and lessons learned	Draft in process
5	A systematic approach to identifying gaps and developing recommendations for effective malaria surveillance in high burden settings: application of routine health information system profiles and the surveillance assessment toolkit	Draft in process
6	Review of surveillance tools across transmission settings: strengths, gaps, and lessons for effective surveillance	Draft in process
7	Routine monitoring and strengthening of malaria surveillance data quality using routine data quality audit and data visualization tools: desktop and field-based approaches	Draft in process
8	New tools for assessing and improving malaria surveillance data quality: lessons from MRDQA in Sierra Leone, Liberia, and Mali	Draft in process
9	Use of innovative digital technology to improve the quality of malaria surveillance data at the facility level in the Democratic Republic of Congo	Draft in process
10	Leveraging community health workers for surveillance and integrating community-case management into national reporting	Draft in process
11	Identifying facilities for data quality supervision through time-series analysis of HMIS data	Draft in process
12	Expanding IDSR-MIS in South Africa: design and implementation of an integrated MIS	Draft in process
13	Malaria vector surveillance: bridging the gap between minimum essential information and comprehensive monitoring and evaluation	Draft in process
14	Evaluating the 1-3-7 Surveillance for Malaria Elimination Strategy in Lao PDR	Draft in process
15	COVID-19 pandemic and malaria in Senegal: a stratified analysis of the evolution of malaria morbidity and mortality indicators	Draft in process

# Journal Supplement 3 – Timeline



Thank You!