





Progress Towards Malaria Elimination in Rwanda

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Goal

By 2027, reduce malaria morbidity and mortality by at least 90% of the 2019 levels

Strategic Objectives

- 1. By 2027, at least 90% of population at risk will be effectively protected with preventive interventions;
- 2. All suspected malaria cases are promptly tested and treated in line with the national guidelines;
- 3. By 2027, strengthen surveillance and reporting in order to provide complete, timely and accurate information for appropriate decision making at all levels;
- 4. Strengthen coordination, collaboration, procurement & supply management and effective program management at all levels;
- 5. By 2027, 85% of the population at risk will have correct and consistent practices and behaviors towards malaria control interventions



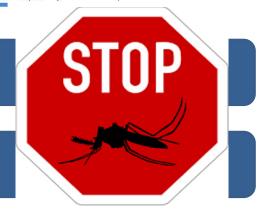
Key Malaria Control Interventions







Malaria Prevention with LLINs



2



Indoor Residual Spraying (IRS)





Malaria Case Management (CHWs and HFs)

4



SBCC

5



Surveillance-M&E

6

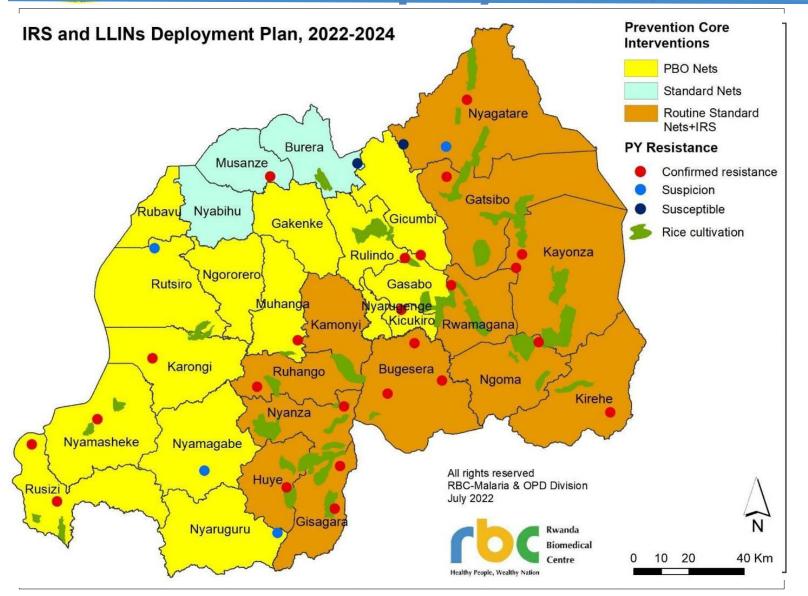


Other Tools



Malaria Control Interventions Deployment (2020-2024)





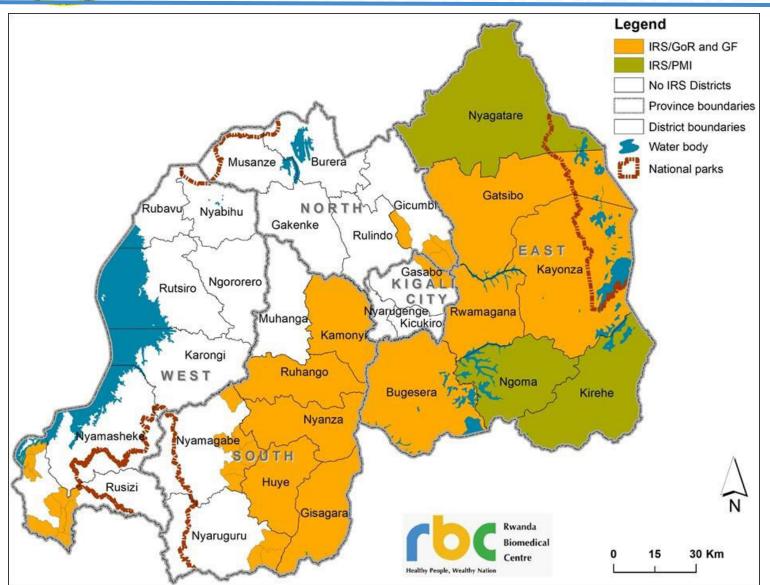
Deployment Principles

- Malaria Incidence
- Mosquito Resistance
- Interventions in Block for more impact
- 12 Districts+15 Sectorswith IRS
- Mass Distribution of ITNs in 2023



IRS Deployment per Source of Funds FY23/24





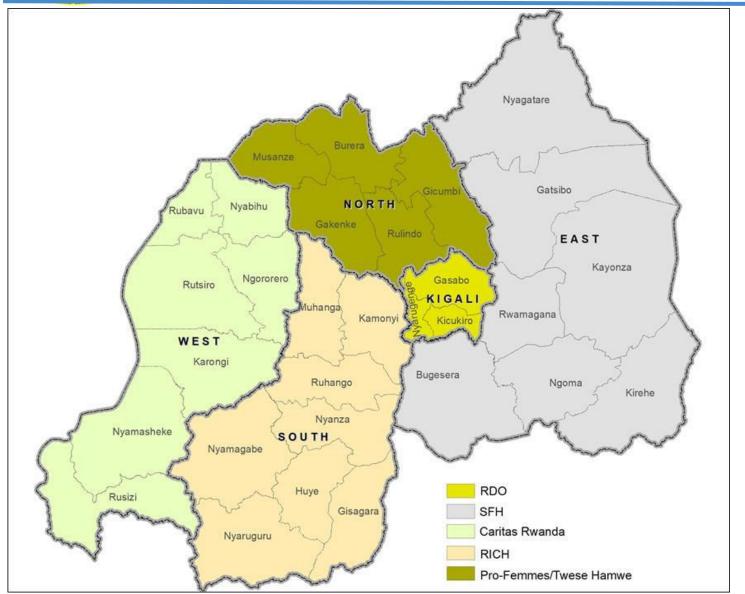
IRS Deployment

- 3 Districts by GOR
- 6 Districts by GF
- 3 Districts by PMI
- 15 Sectors (Focal IRS) with C19



CSO Support to SBC





Five (5) CSOs to Support SBC in the General Population

Two (2) CSOs to Support HRG



Innovative Approaches-LSM





LSM with Hand Application



LSM with Support from CSO





- CSOs to Support Innovations for Malaria Control
- Community
 Engagement for IVM
 Targeting Mosquito
 Breeding Sites in the
 Community



Innovative Approaches-LSM





Drone-Based LSM



Use of Community Scorecards Targeted Interventions



Period: Mar 1, 2024 - Mar 31, 2024

Monthly Malaria Incidence (Per 1000)_National Average

3.1

Malaria Scorecard
Priority Indicators, Province: West

District _	Sector	(1) Coverage (%) of LLINs in ANC	(2) Coverage (%) of LLINS IN EPI	(3) Monthly Malaria Incidence (Per 1000)	(4) Proportion of suspected Malaria cases that receive parasitological test at Community level	(5) Severe Malaria Referred to Higher level	(6) HBM (Tests)	(7) Proportion of HBM
Karongi District	Bwishyura	100%	100%	1.4	100.0%	0	5.9%	50%
	Gashari	100%	100%	0.8	100.0%	0	7.4%	61%
	Gishyita	90%	100%	7.9	100.7%	0	18.1%	44%
	Gitesi	100%	100%	0.6	100.0%	0	14.2%	89%
	Mubuga	100%	100%	6.3	100.0%	0	25.6%	78%
	Murambi	100%	100%	2.1	93.8%	0	9.5%	61%
	Murundi	100%	100%	1.1	100.0%	0	23.5%	84%
	Mutuntu	100%	100%	1.8	98.9%	0	45.3%	94%
	Rubengera	100%	100%	1.8	100.0%	1	15.6%	84%
	Rugabano	100%	100%	0.3	100.0%	0	2.1%	22%
	Ruganda	100%	100%	0.1	100.0%	0	2.8%	100%
	Rwankuba	100%	92%	0.3	100.0%	0	1.3%	40%
	Twumba	100%	109%	0.6	100.0%	0	6.3%	61%

CSOs Use Malaria
Scorecards to
Improve Services
Use

- Use of Scorecards for Accountability
- Use of Scorecards to Target Interventions

Reaching the Most Vulnerable or HRG



Rwanda **Biomedical** Centre

Healthy People, Wealthy Nation







Key Trends with Sustained Malaria Control Interventions

2016-2024



National Malaria Incidence per 1,000

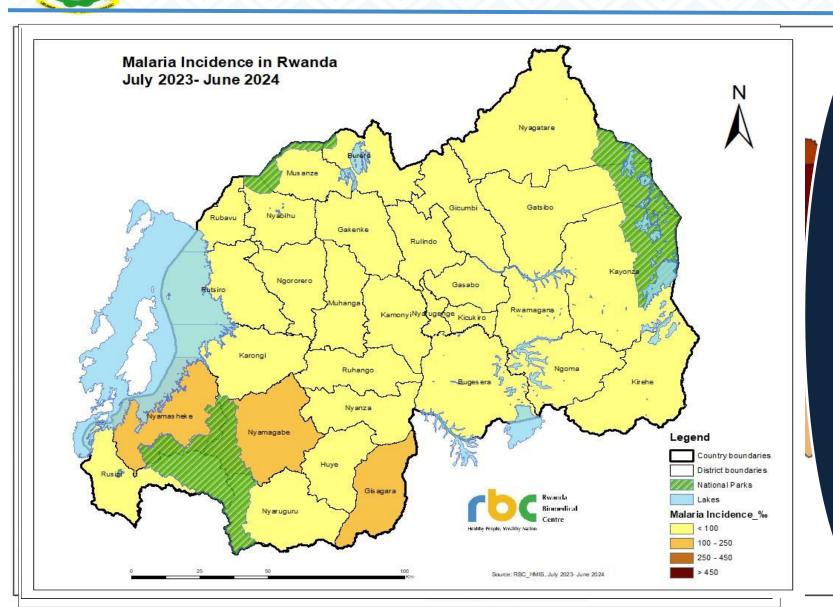
2008-2024





Malaria Incidence per 1,000 per District 2016-2024



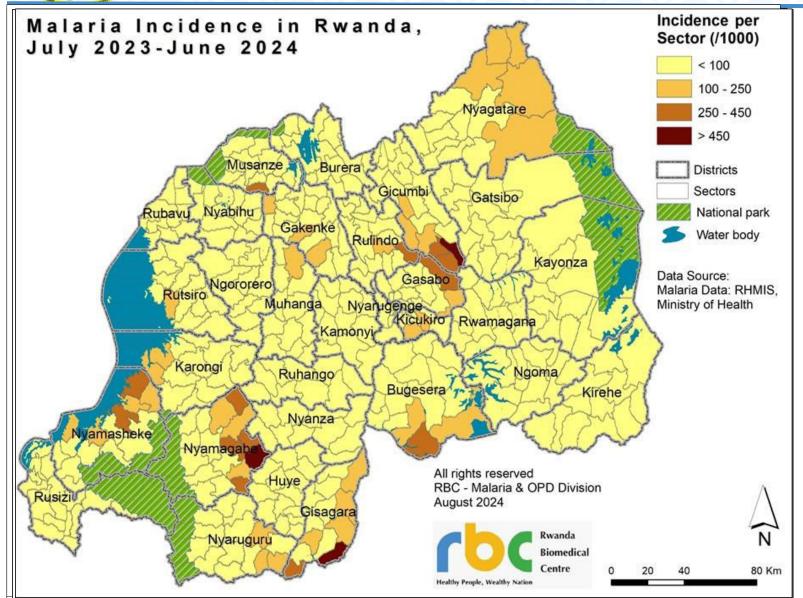


27 Districts reached
API <100 per 1,000
(Pre-elimination)
vs
3 Districts in 26



Malaria Incidence per 1,000 per Sector 2016-2023



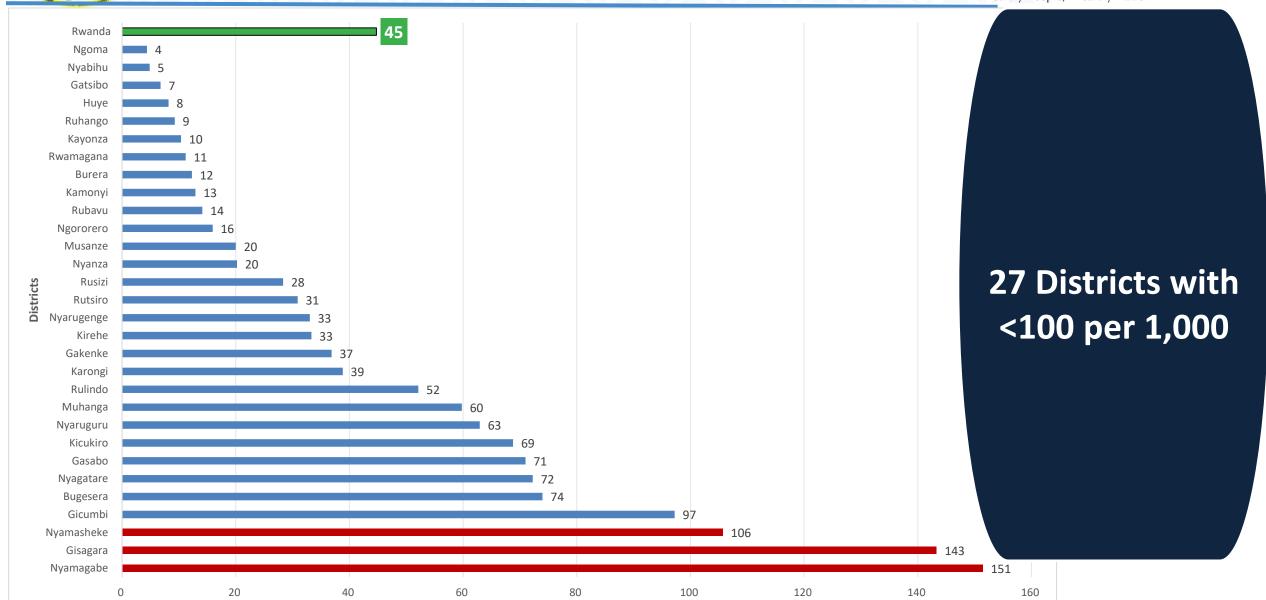


In FY23/24, 363 of 416 Sectors (87%) Reached API <100 per 1,000



Malaria Incidence per 1,000 by District FY2023-2024

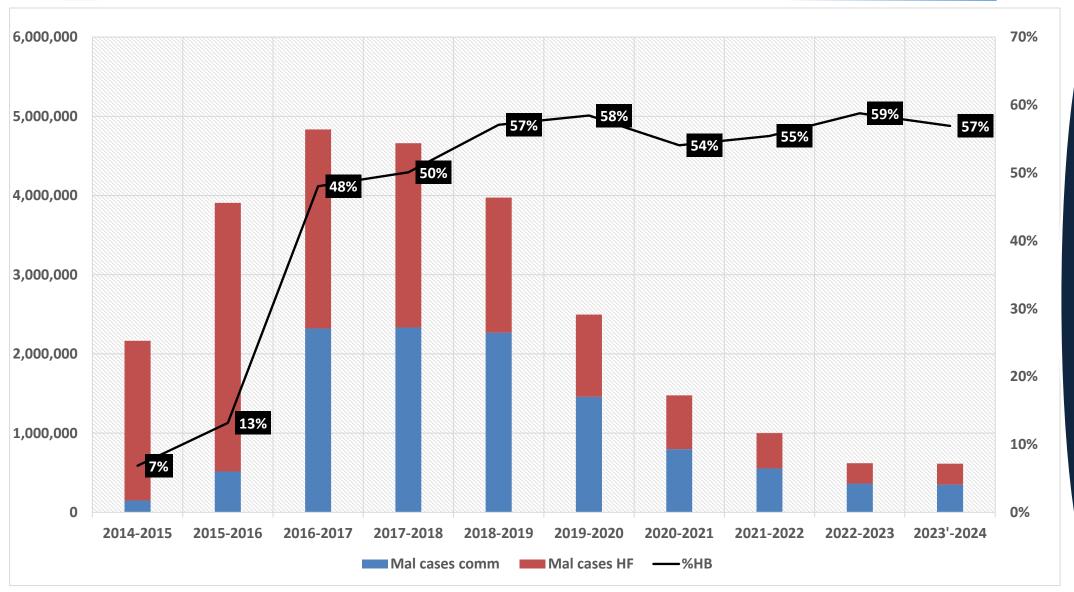






Proportion of Malaria HBM, 2014-2024





4.8 Million Cases in FY2016/2017

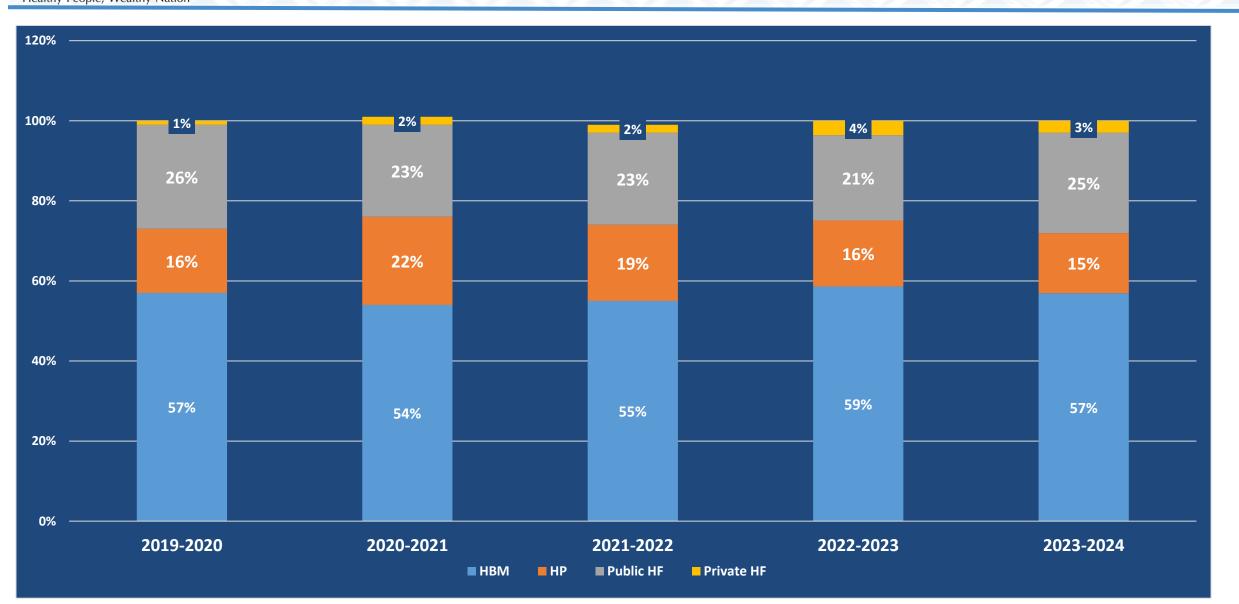
620k Cases in FY23/24

613k Cases in FY23/24



Rwanda Proportion of Service Provision per Level Biomedical

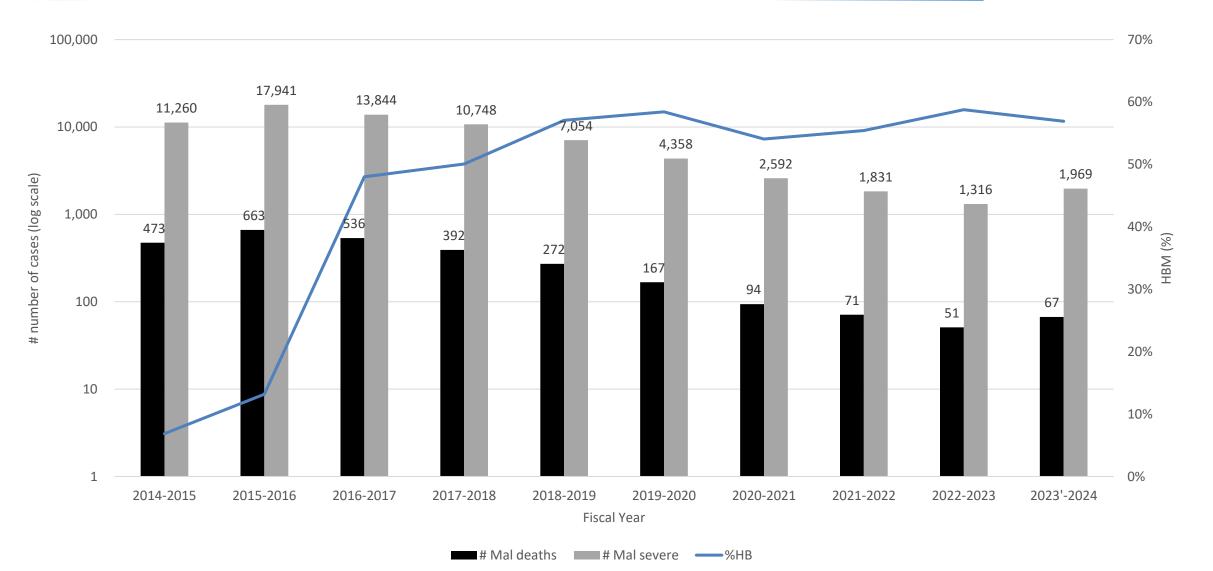
2019-2024





Impact of HBM-A on Severe Malaria Cases and Deaths, 2014-2024

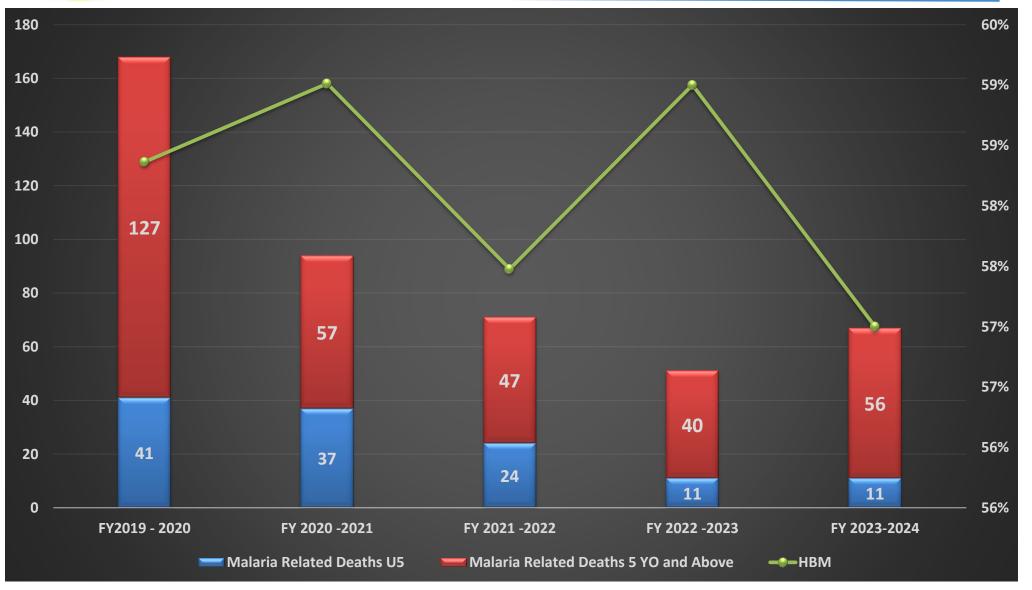






Malaria Related Deaths by Age Groups 2019-2024

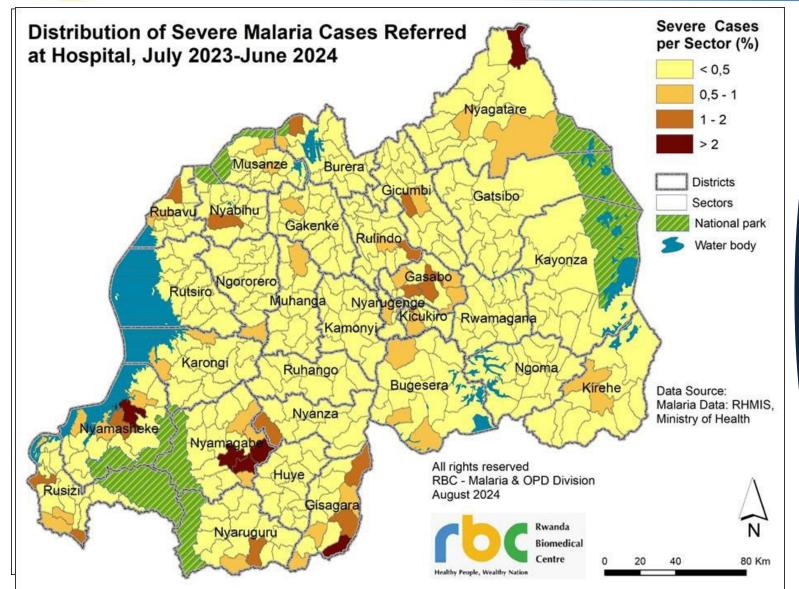






Severe Malaria Cases Distribution per Sector FY2023-2024





Need for Severe
Case Investigations
at Household Level
in FY2024-25



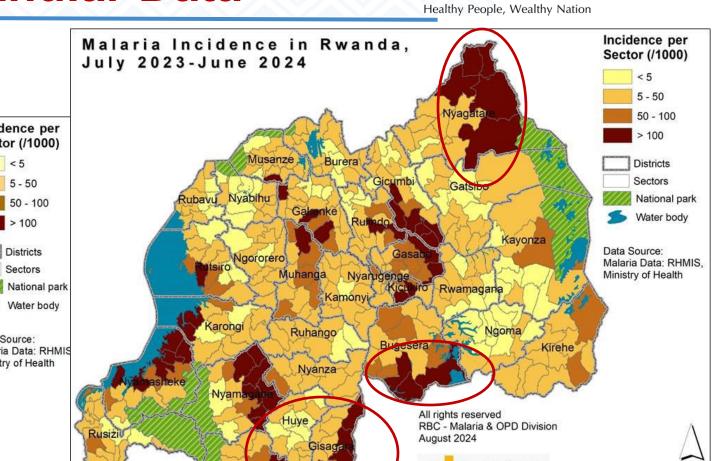


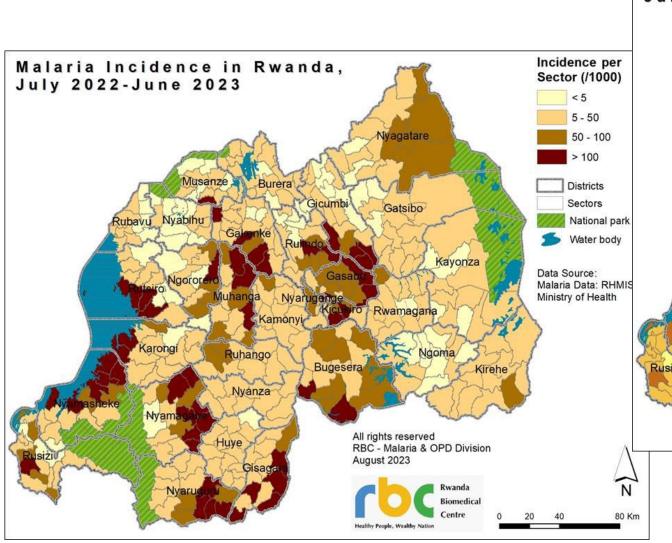
Moving More Granular Towards Malaria Elimination



Malaria Incidence per 1,000 per Sector More Granular Data



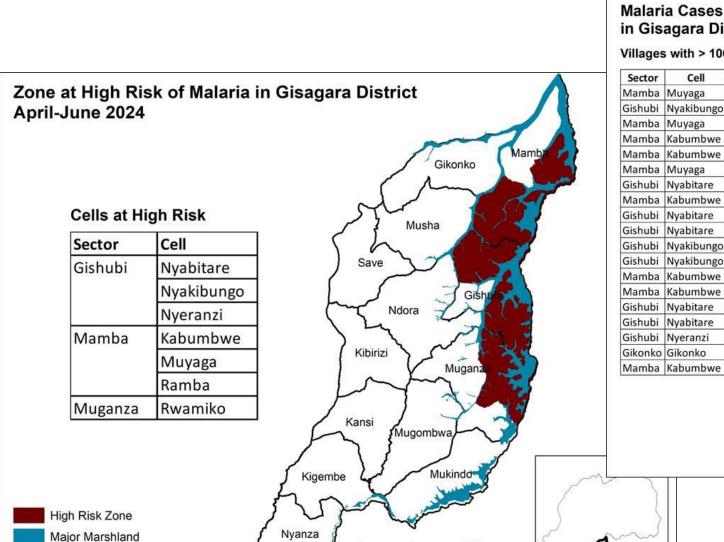




(illage-Based Investigations and Tailored Response) Case of Gisagara District (9th to 13th Sept 20204)

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Sectors

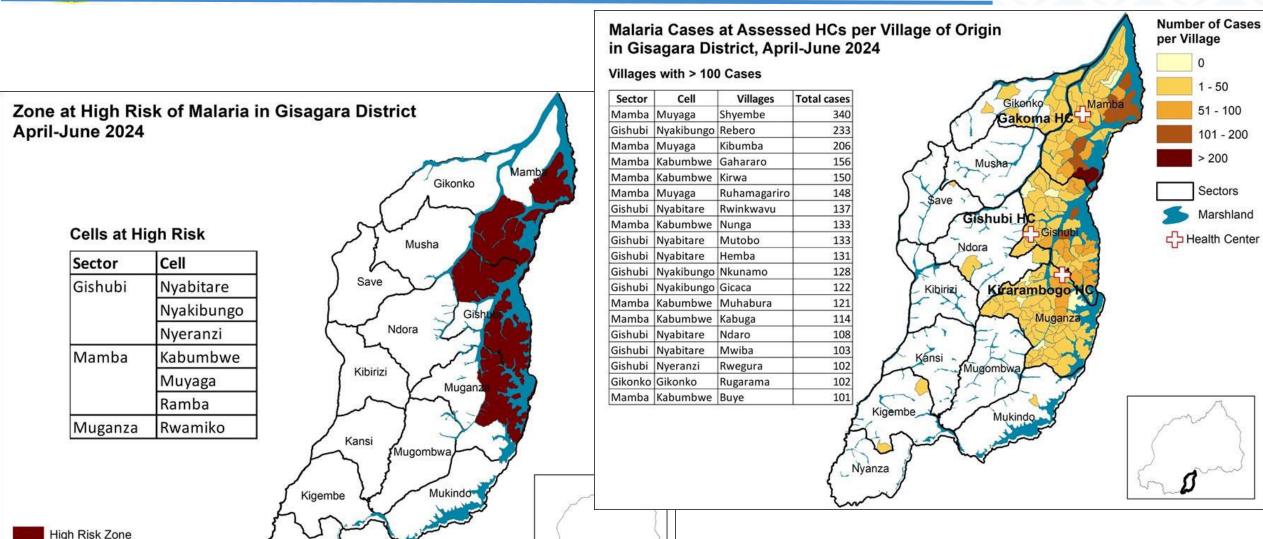
10 Km

Number of Cases Malaria Cases at Assessed HCs per Village of Origin per Village in Gisagara District, April-June 2024 Villages with > 100 Cases 1 - 50 **Total cases** Villages 51 - 100 Gakoma HC Shyembe Nyakibungo Rebero 233 101 - 200 Kibumba 206 > 200 156 Gahararo 150 Kabumbwe Kirwa Sectors Ruhamagariro 148 137 Rwinkwavu Marshland Gishubi H 133 Nunga 133 Health Center Mutobo Ndora 131 Hemba Nyakibungo Nkunamo 128 Nyakibungo Gicaca 122 Kirarambogo Kabumbwe Muhabura 121 114 Kabuga 108 Ndaro 103 Mwiba 102 Rwegura Mugombwa 102 Rugarama 101 Mamba Kabumbwe Buye Kigembe Nyanza

(illage-Based Investigations and Tailored Response) Case of Gisagara District (9th to 13th Sept 20204)

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Nyanza

10 Km

Major Marshland

Sectors





Moving to Digital....



With C-EMR



- Shifting from Paperwork to digital (reduce the CHW's Workload)
- Daily Malaria Case Notification at Village and Household Level
- Malaria Risk Factor Assessment (Individual and Environmental)
- Reactive Case Detection
- Tailored and Timely Response
- CHWs are being trained
- Procurement of Smart Phones
- Full-scale Deployment starting 2025



Challenges



- Sustainability of key interventions (IRS) with High Risk of Malaria Resurge
- Gaps in Data Use at the Decentralization Level
- Paper-based work with delayed response
- Malaria Hot spots in both IRS and Non-IRS Districts
- Emerging Anti-malaria Drug Resistance (AL)
- Change in mosquito species and biting behavior (Outdoor biting)
- Some High-Risk Groups with unmet needs (Repellents for FSW and other people with night activities)
- Gaps in Functional and Active cross-border collaboration







THANK

YOU

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