GOVERNMENT OF SIERRA LEONE Ministry of Health Sierra Leone



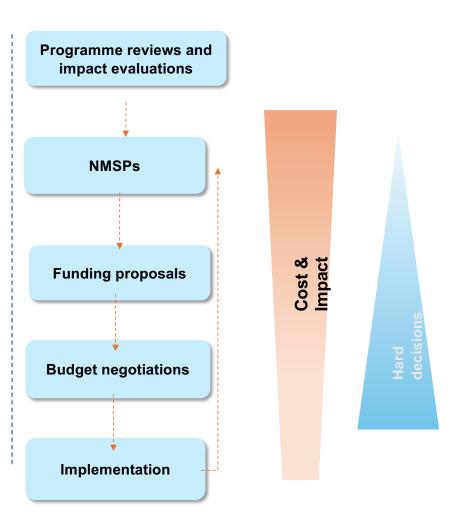
National Malaria Control Programme

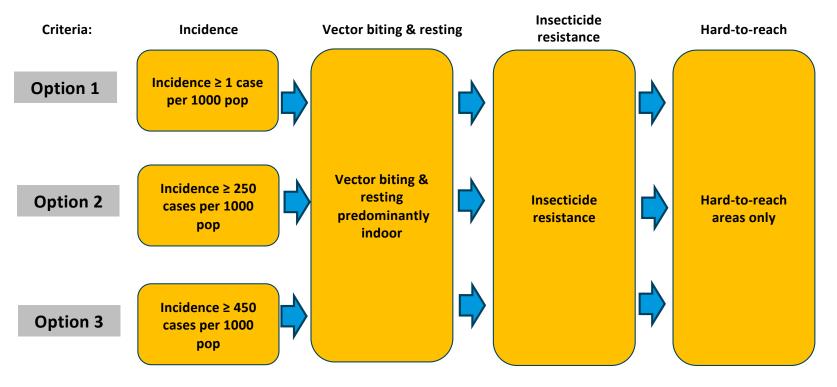


Alliance for Malaria Prevention (AMP) Nairobi, Kenya, 7-11 March 2025

Background

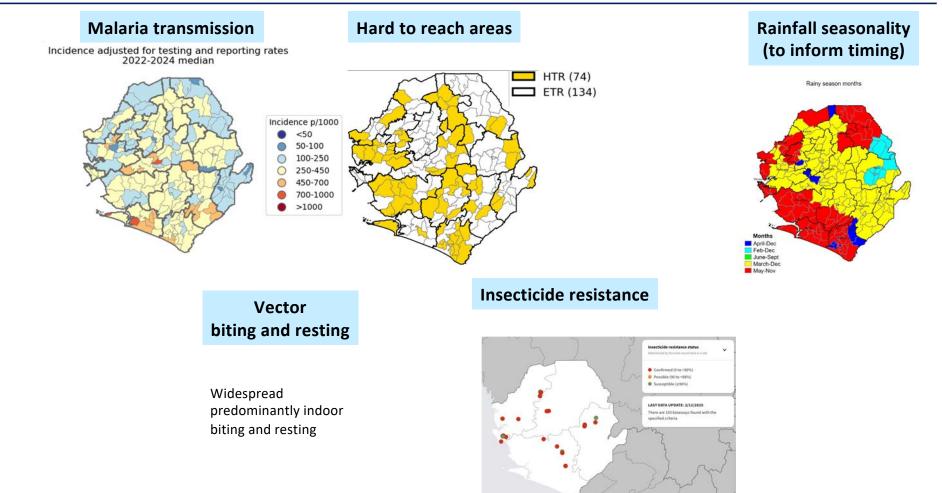
- The National Malaria Control Programme (NMCP) has increasingly embraced data-driven approaches to enhance the effectiveness of malaria interventions.
- This shift towards utilizing data for decision-making involves several key processes and strategies:
- Stratification of Malaria Risks and Determinants: This involves collecting and analysis of epidemiological, entomological, environmental and intervention data
- With a comprehensive understanding of malaria risks and determinants, we develop criteria to target intervention strategies.
- Among these strategies include deploying choice of insecticide-treated nets, mode of ITN distribution and conducting indoor residual spraying



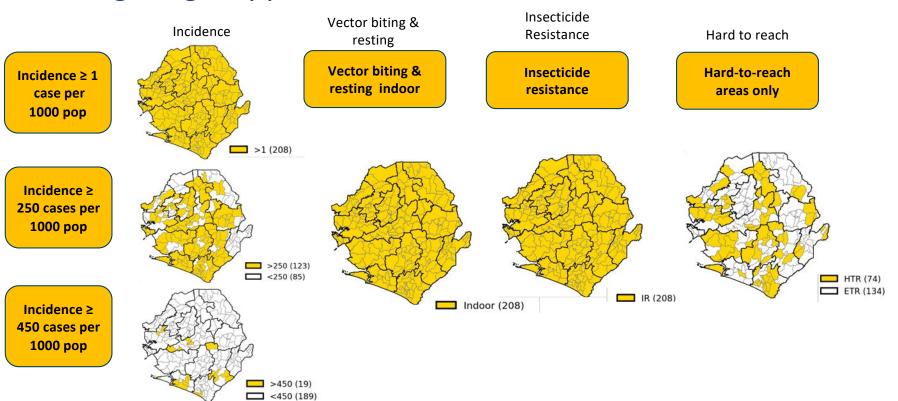


IRS targeting – options for criteria

IRS targeting- Data review

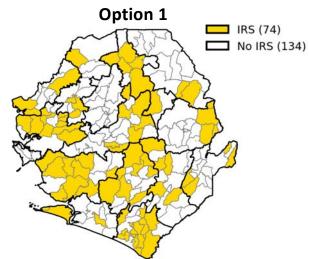


4

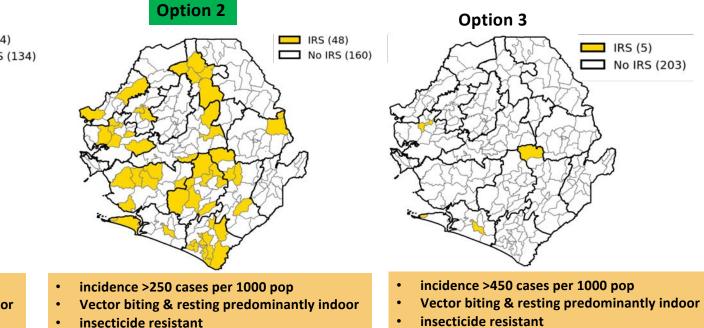


IRS targeting – application of criteria

Option to select IRS targeting



- incidence >= 1 case per 1000 pop
- Vector biting & resting predominantly indoor
- insecticide resistant
- Hard-to-reach

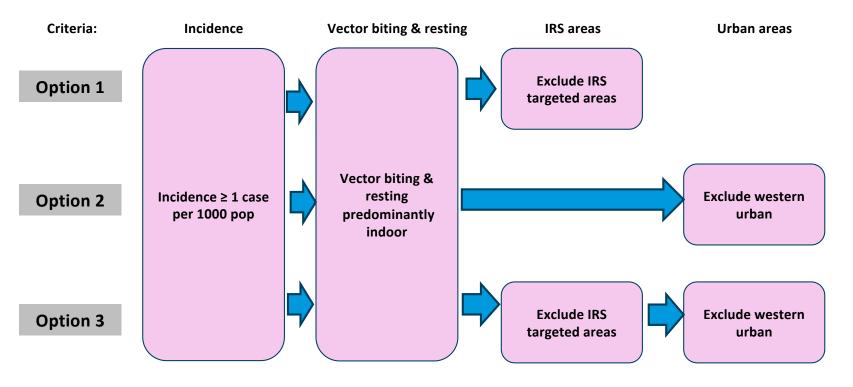


Hard-to-reach

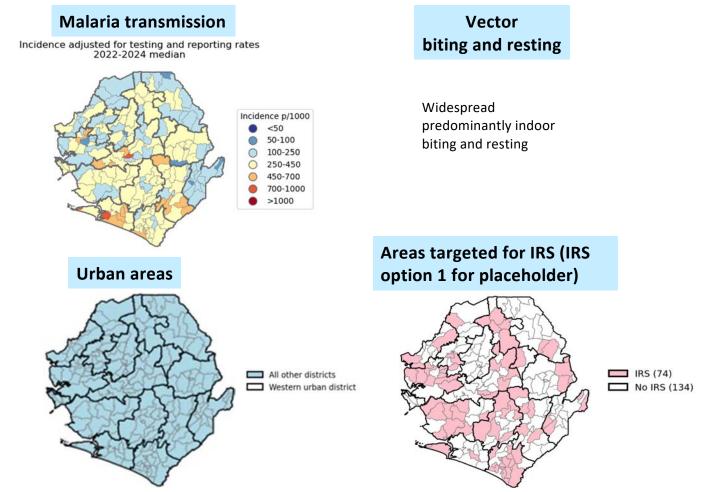
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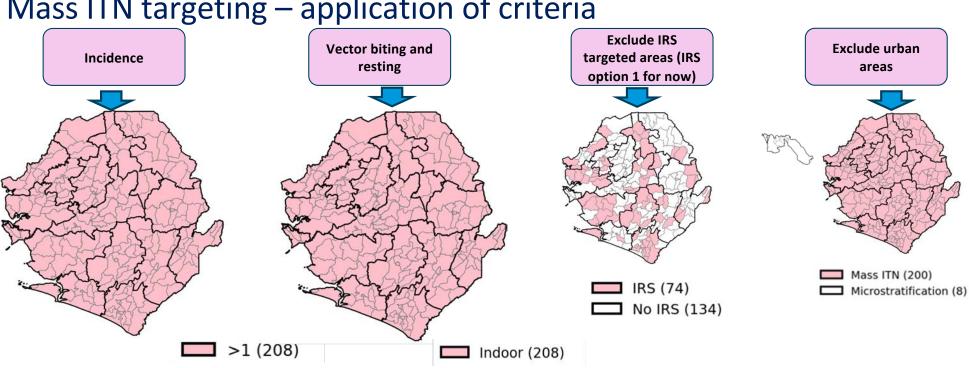
• Hard-to-reach

Mass ITNs targeting – options for criteria



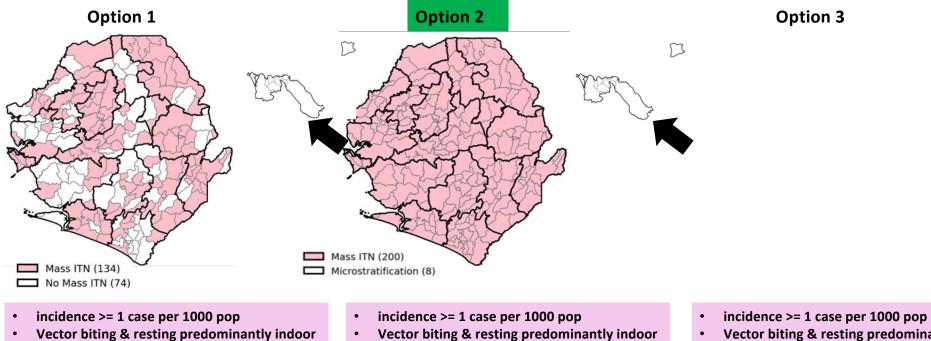
Mass ITN campaigns-data review





Mass ITN targeting – application of criteria

Option to select mass ITN targeting

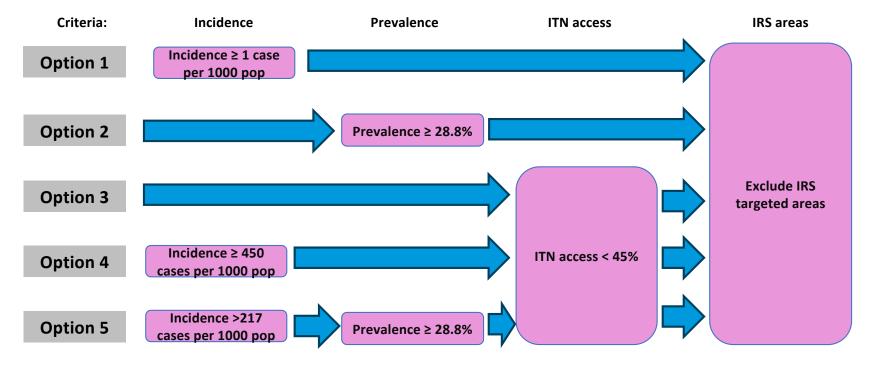


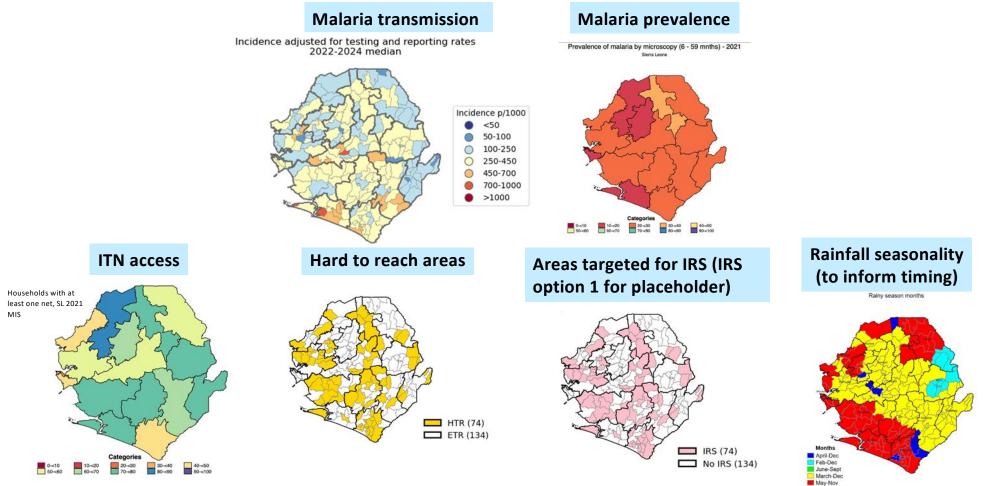
Exclude IRS targeted area ٠

- Exclude western urban ٠

- Vector biting & resting predominantly indoor
- Exclude western urban & IRS targeted areas ٠

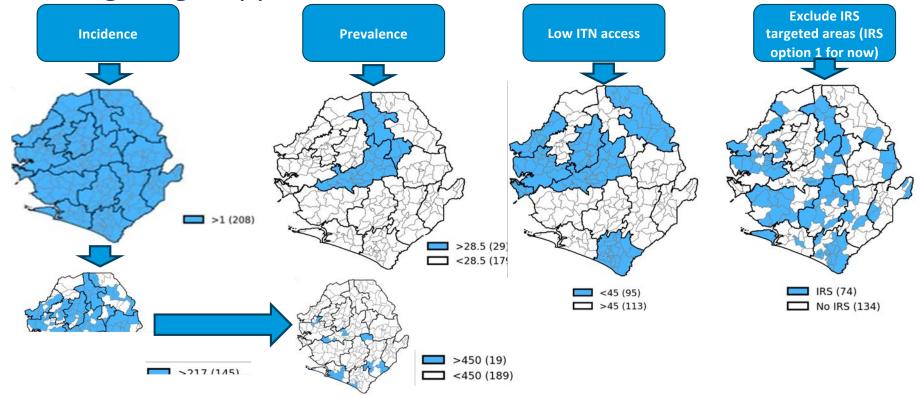




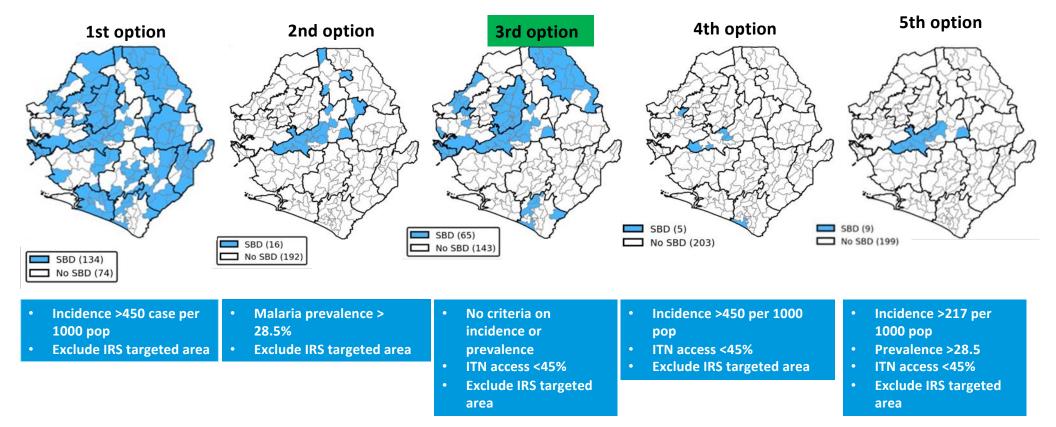


SBD targeting – data review

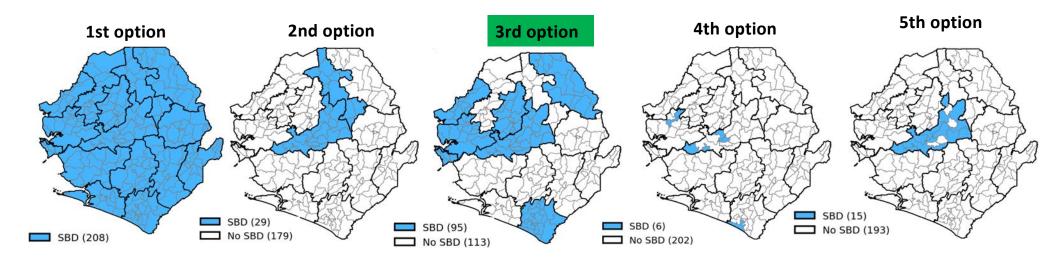
SBD targeting – application of criteria



Option to select SBD option- using IRS option 1 as place holder

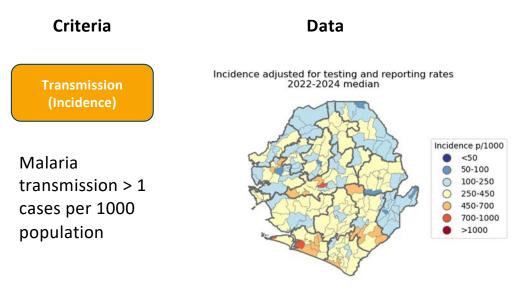


Option to select SBD option (Not considering IRS)

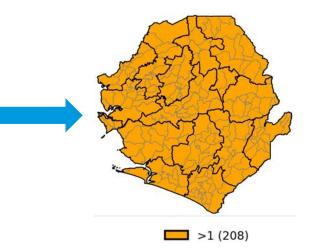


 Incidence >450 case per 1000 pop 	 Malaria prevalence > 28.5% 	No criteria on incidence or	 Incidence >450 per 1000 pop 	 Incidence >217 per 1000 pop
		prevalence	• ITN access <45%	Prevalence >28.5
		• ITN access <45%		• ITN access <45%

Routine ITN targeting at ANC & EPI

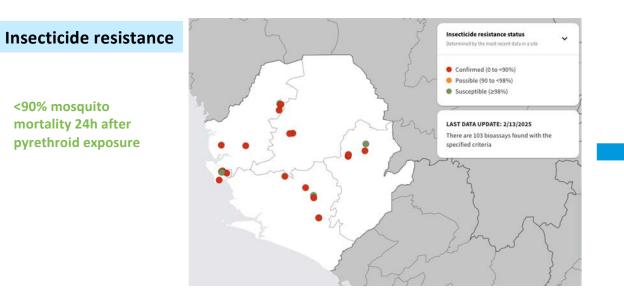


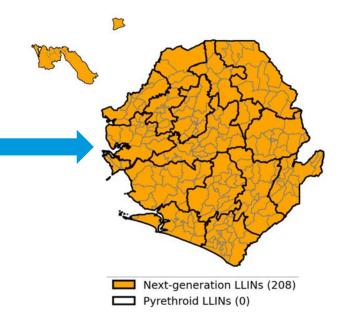
Targeting: chiefdoms for ANC and EPI distribution



Choice of nets – PRELIMINARY targeting to be validated

<90% mosquito mortality 24h after pyrethroid exposure





List of partners

- 1. WHO Global Malaria Programme, Geneva
- 2. WHO Country Office and Local Consultant
- 3. WHO AFRO (Regional and MCAT)
- 4. Clinton Health Access Initiative (CHAI), Country and HQ
- 5. Northwestern University, USA
- 6. AHADI (Applied Health Analytics for Delivery and Innovation), USA
- 7. Imperial College, London
- 8. PMI-Evolve, Sierra Leone
- 9. Stat SL, Sierra Leone

Thank you