



Optimizing Malaria Vector Control Resources: Experience from Ghana



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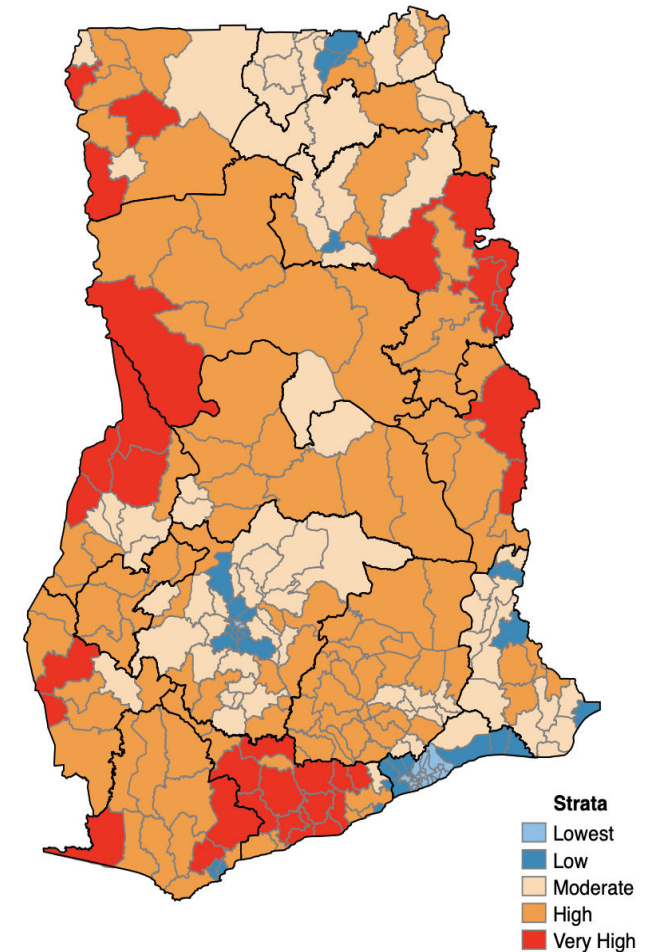
Outline

- **Strategic Plan**
- **Malaria Vector Control in Ghana**
- **Vector Control Optimization in Ghana**
- **Achievements**
- **Challenges/Recommendations**
- **Lessons Learn/Conclusion**

Vector Control Optimization In Ghana

- This focuses on ensuring systems are in place to designate and use limited vector control resources to achieve maximum impact
 - Stratification exercise
 - Epidemiology data on disease burden
 - Entomology and Insecticide resistance data
 - 20 sentinel sites
- Strategic information is used for decision making of Vector Control interventions in Ghana
 - Where to put which tool
 - Not to put two main interventions in place

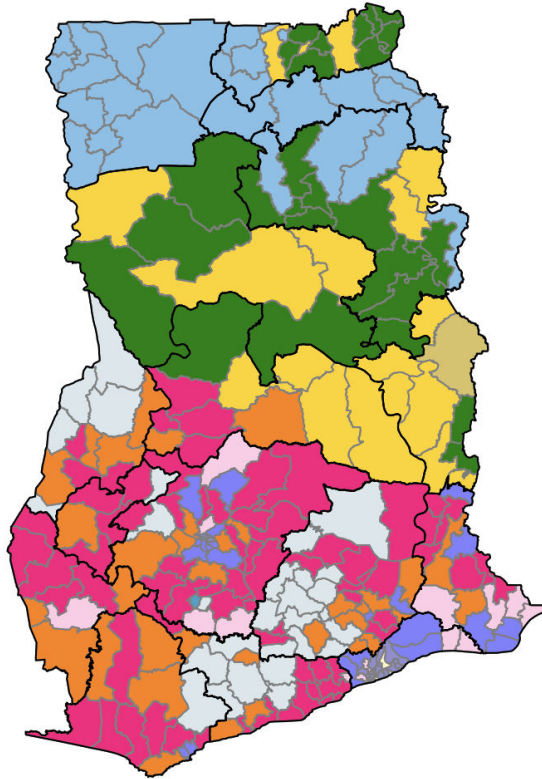
Final stratification
Prevalence + Adj Inc + U5MR, 2022



Stratification exercise

Mix of Interventions

Ghana



Intervention Mix for NMESP, 2024-2028

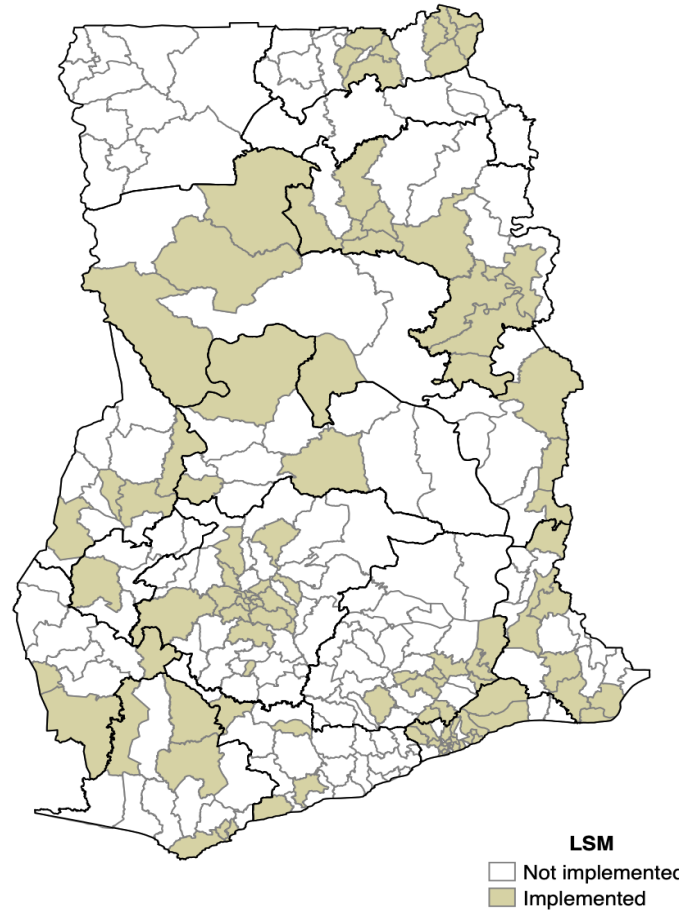
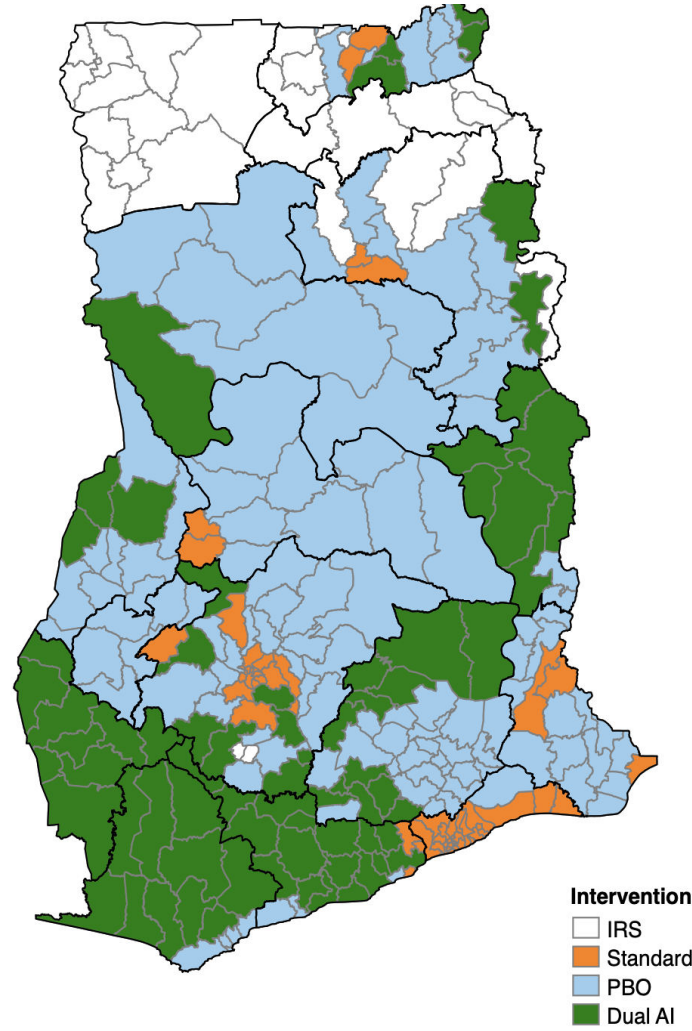
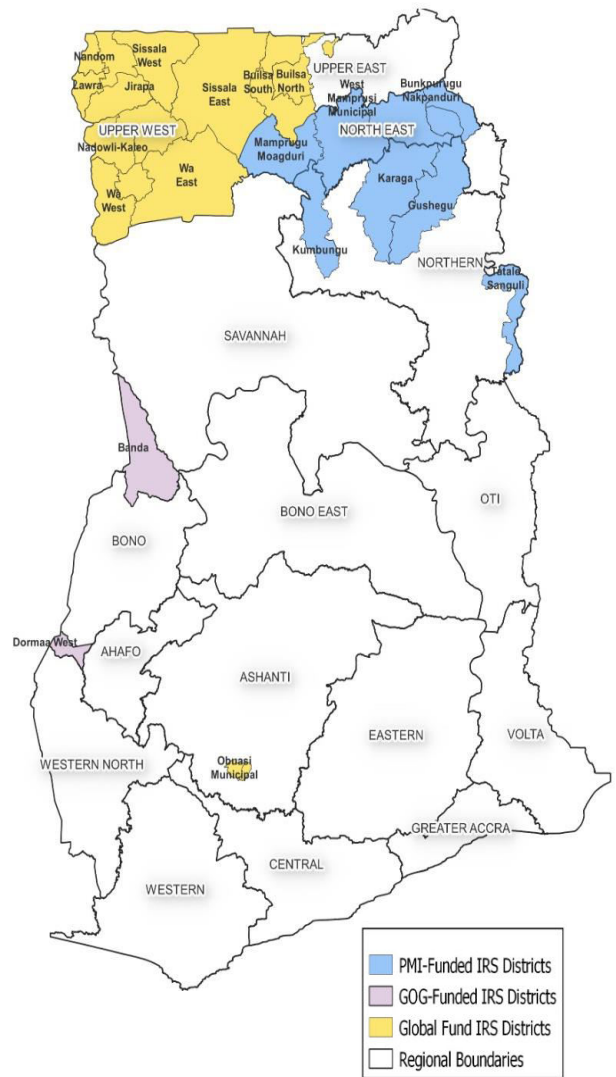
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- Case Management (CM)
- Intermittent Preventive Treatment for Pregnant Women (IPT_p)
- Intermittent Preventive Treatment for School Children (IPTSc)
- Seasonal Malaria Chemoprevention (SMC)
- Mass Drug Administration (MDA)
- Post-Discharge Malaria Chemoprevention (PDMC)
- Malaria Vaccine (MV)
- **Indoor Residual Spraying (IRS)**
- **Insecticide Treated Nets (ITNs)**

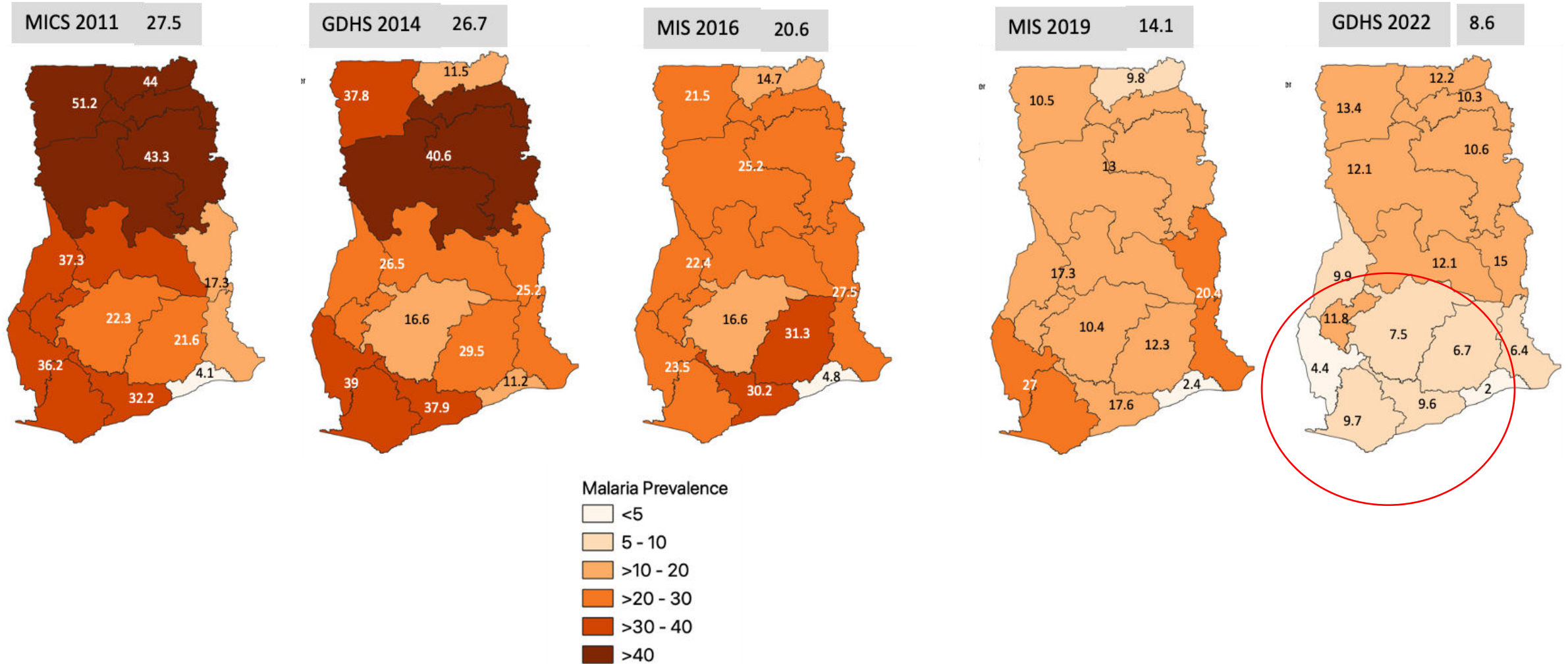
Map Of Ghana Showing IRS Implementing Districts

Map Of Ghana Showing Different Types Of ITNs Distribution

Map Of Ghana Showing LSM Districts



Achievements



Percentage of children age 6-59 months who tested positive for malaria by microscopy by region, 2011-2022; Source: GDHS/MIS

Challenges/Recommendation

Challenges	Recommendation
Limited core vector control tools	Furthur research into alternatives control; push for PQ listing of tools
Funding agencies do not support vector control tools in-spite efficacy and possible impact	To explore other sources of government and the private sector
Inadequate funding to implement strategic plan	To explore other sources of government and the private sector
'The Net use challenge, currently Ghana stands at 39.7%	'Give the people what they prefer' compliance
Outdoor biting - currently only this is LSM	The current guidelines makes room implementation of other vector

Lessons Learnt/Conclusion

- Stratification ensures that interventions placed are not a one size fit all approach; optimizing the available resources
- Targeting and right tools provide efficiency and optimum results
- Advocacy plays a crucial role in obtaining additional resources to cover gaps in funding that might hinder full efficiencies of optimization efforts
- Early planning and sticking to the plan ensures enough time to implement laid down plan and avoids confusion or indecisive
- The country has made remarkable progress in decisions concerning the kind of vector control intervention



THANK YOU