

IMPLEMENTATION OF MULTIPLE TYPES OF ITNs IN MALAWI



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Alliance for Malaria Prevention Partners' Meeting

March 25, 2021

Outline

Malaria situation in Malawi

Selection of ITNs

Impact of mass campaign

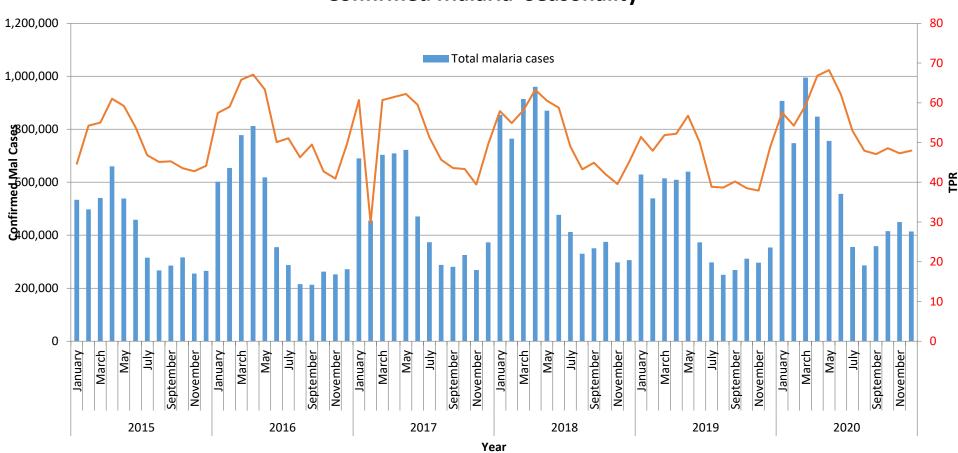
Issues for discussion

Public

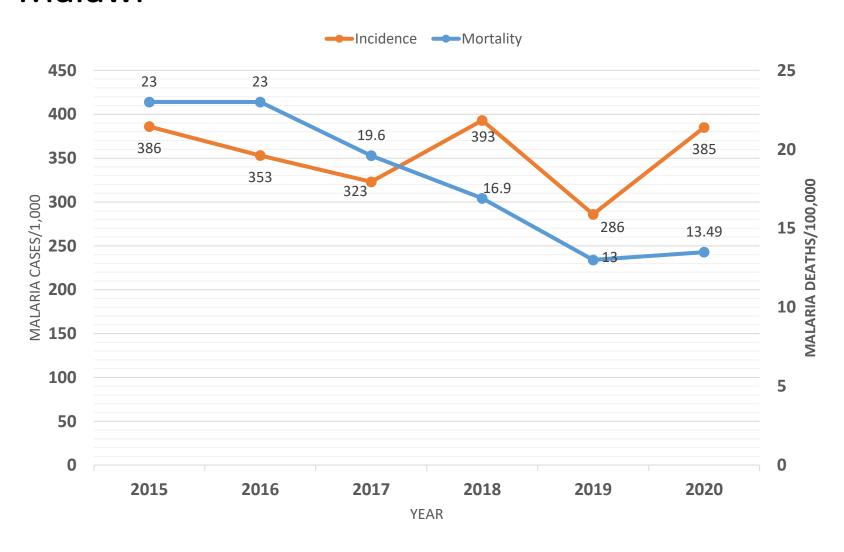
Malaria Situation

- Malaria remains a public health problem
- Prevalence of malaria is at 24% (1)
- Malaria incidence 385 per 1000 population (2)
- 36% of all outpatient visits (23% in 2019) and 15% of all hospitalization (18% in 2019) malaria (2)
- 20% of deaths (all ages) (15% in 2019) malaria deaths (2)
- Malaria mortality rate -13 per 100,000 population (13% in 2019) (2)
- Malaria has serious socioeconomic impact on families and the nation
- Pyrethroid resistance detected across Malawi; new insecticides needed to reduce the burden of malaria⁽³⁾

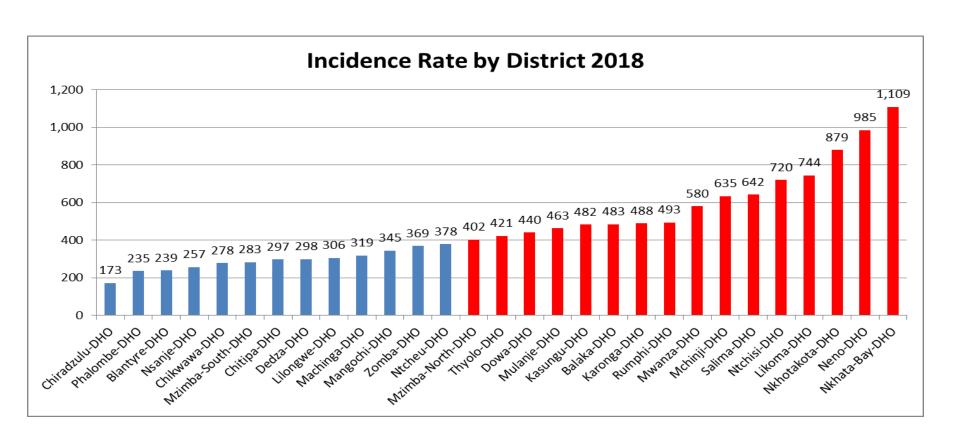
Confirmed Malaria Seasonality



Malaria Incidence and Mortality Rate Trends in Malawi

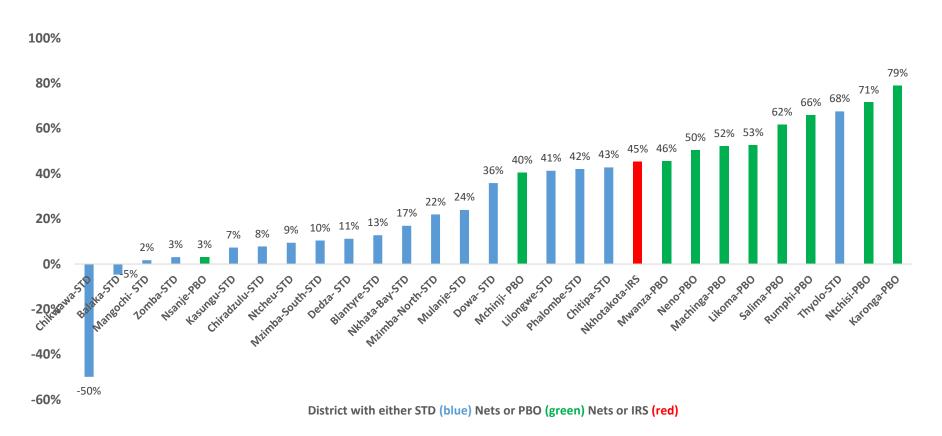


Malaria Incidence Rate by District in 2018 as Base line



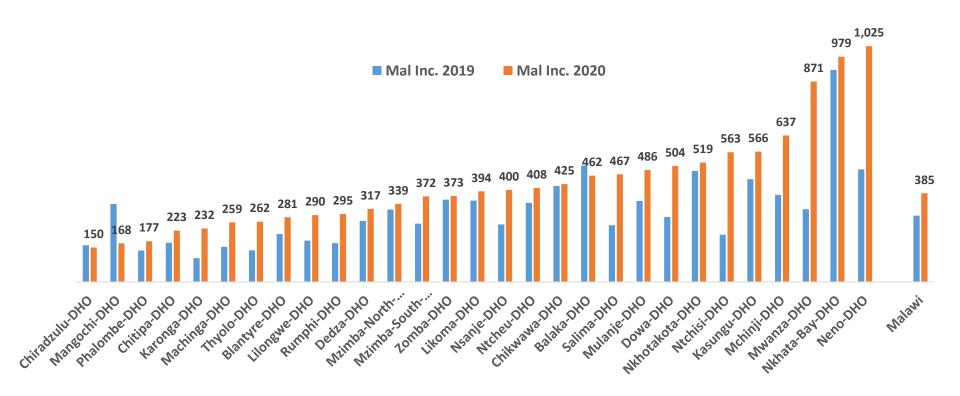
Selection of Different Types of Nets and Impact for Year One

Percentage Reduction of Malaria Cases Pre & Post LLIN Mass Campaign – Jan-Dec 2018 & 2019 by District



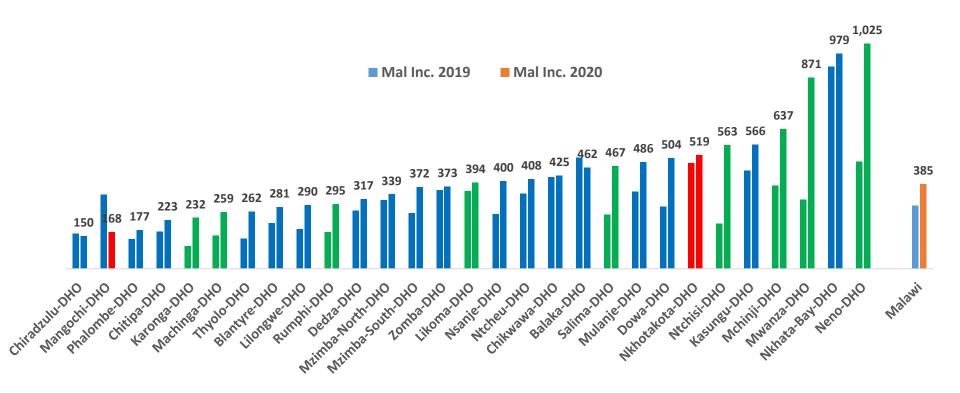
Impact of Mass Campaign Nets for Year One and Year Two

Malaria cases per 1,000 population by district for 2019 and 2020



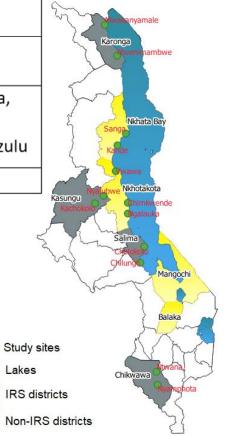
Impact of Mass Campaign Nets for Year One and Year Two (mix type of nets)

Malaria cases per 1,000 population by district for 2019 and 2020



Multi-product campaign distribution - 2021

| Districts |
|--|
| Mulanje, Chikwawa, Mwanza, Mzimba North, |
| Dowa, Blantyre, Dedza, Machinga, Thyolo, |
| Salima, Karonga |
| Nana Kasunau Phalamba Makinii Zamba |
| Neno, Kasungu, Phalombe, Mchinji, Zomba, |
| Likoma, Ntcheu, Mzimba South, Nsanje, |
| Ntchisi, Lilongwe, Chitipa, Rumphi, Chiradzulu |
| Balaka, Mangochi, Nkhatabay, Nkhotakota |
| |



Map of Entomological Data Collection Sites

ISSUES FOR DISCUSSION

- 1. PBO Nets (57% reduction) better than standard nets (15% reduction)
- 2. Based on insecticide resistance monitoring data, deploying IG2s and Royal Guard nets, in addition to PBOs, in 2021 mass campaign
 - Transitioned from standard nets
 - PBOs distributed via routine distribution
- 3. Mass campaign impact declines after year one while investment is expected for three years
- 4. Issues affecting the effectiveness of the mass campaign
 - ■Barriers to use, Lack of SBC beyond year one
 - Net durability issues (monitoring planned for 2021)

Thanks for listening

