



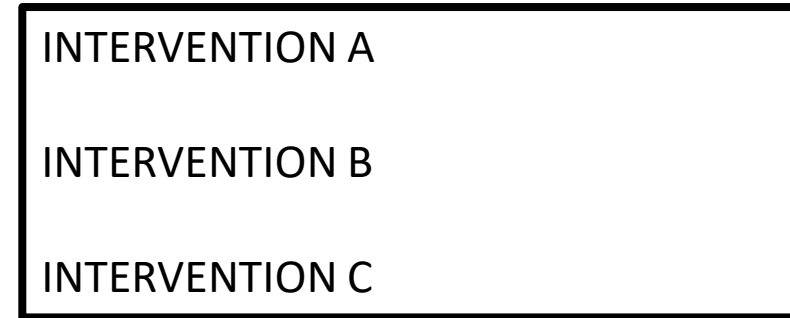
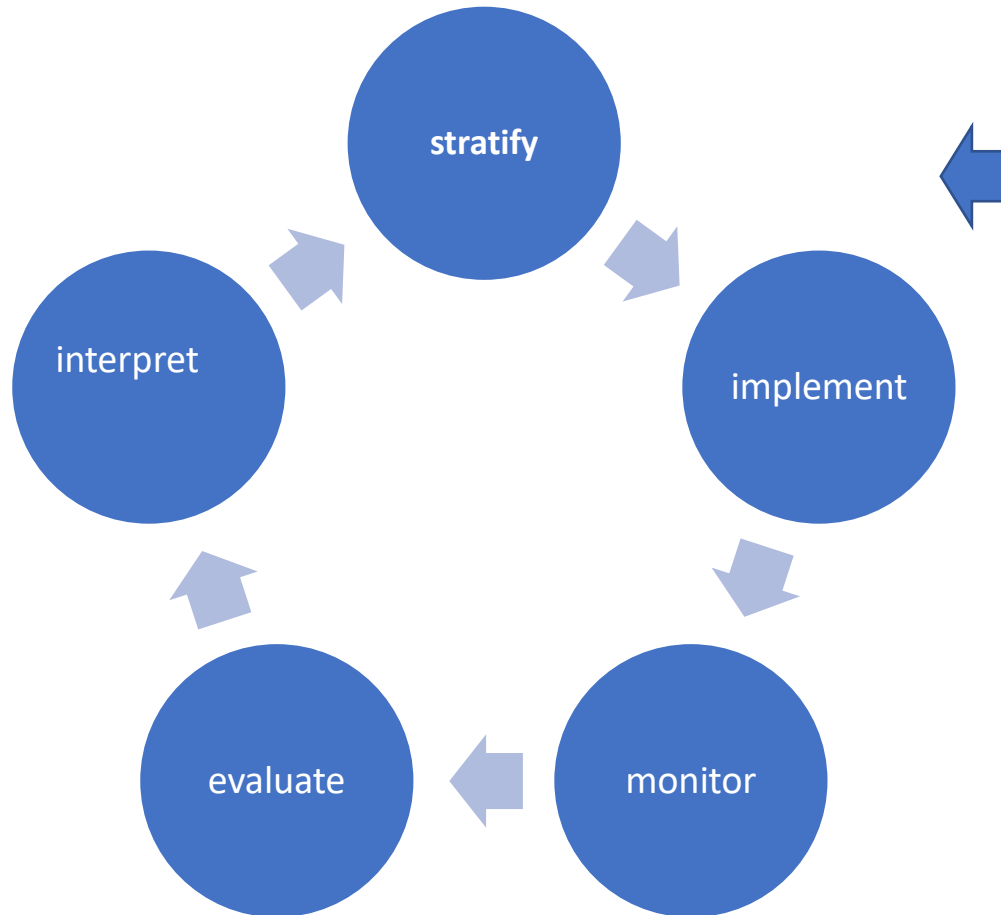
Surveillance, Monitoring and Evaluation Reference Group

32nd SMERG Meeting, 19th May 2021

Evaluation

Evaluating the Impact of Malaria Interventions

Evaluation cycle



Stratify: assign interventions sub-nationally

Implement: based on each intervention choose an intervention strategy and level

Monitor: clearly identify what and when went where (from CHWs to IRS to ITNs to Surveillance...)

Evaluate: see how the interventions chosen effect malaria burden

Interpret: based on the evaluation determine what should go where

Stratify.....

Current Evaluation Methodologies

METHOD	STRENGTHS	WEAKNESSES
DHS/MIS surveys (PREVALENCE)	Community parasite prevalence Health seeking behavior Some intervention coverage Representative sampling	Costly Non-routine (~2 years) Usually only powered to the Province/State level
HMIS/DHIS2/DIMS routine data (INCIDENCE)	Monthly incidence data (sometimes weekly) Records cases and sometimes deaths (mortality) Some community level data Can track seasonality	Needs strong population data Needs health facility catchment definitions Mitigated by health seeking behavior Mitigated by provider behavior and recording

Considerations:

1. Intervention coverage area vs. evaluation area
2. Overlap of interventions
3. Cost and consistency

New(er) Methodologies

METHOD	POTENTIAL
Malaria incidence estimations	Corrects for possible health seeking behavior error and data quality issues
Malaria test positivity rate	Corrects for lack of population disaggregation
ANC 1 st visit surveillance	Corrects for scarcity of prevalence data, possible alternative for implementation coverage
Impact modeling	Corrects for lack of disaggregation in data and provides projection
Systematic qualitative methodologies	Can provide the “why”

Manuals/Publications:

GMP: Malaria Program Review

MERG: Framework for Evaluating National Malaria Programs in (Moderate and Low) (High) Transmission Settings

GMP: High Burden to High Impact: a targeted malaria response

MEASURE Evaluation: A Practical Guide to Using Routine Data in Evaluation

Implementing Impact Evaluations of Malaria Control Interventions: Process, Lessons Learned, and Recommendations

Recommended steps

- Create a committee to review the current evaluation documentation and understand current evaluation frameworks in countries.
- Determine how implementation optimization and impact evaluation can fit together
- Create a framework that incorporates current recommendations and delineates areas for growth.
- Review new(er) methodologies and determine where/when they can be used based on implementation programs.