

SETTING THE STORY STRAIGHT ON DRUG COVERAGE FOR NTDS USING COVERAGE EVALUATION SURVEYS (CES)

INTRODUCTION

- Mozambique 153/ 161 Implementation Unit (IU) are schistosomiasis endemic.
- 71 IUs have high prevalence and 82 IUs moderate prevalence (21M people at risk)
- High drug coverage with preventive chemotherapy is needed to break transmission of schistosomiasis (75% SAC)
- Many interventions, from treatment to post-MDA surveillance will hinge on reported drug coverage exceeding that threshold.
- Disparity between reported drug coverage and CES coverage will lead to overtreatment or premature stop-MDA

Aim

- To assess the accuracy of reported coverage of MDA campaigns
- To investigate patterns and reasons for low coverage.

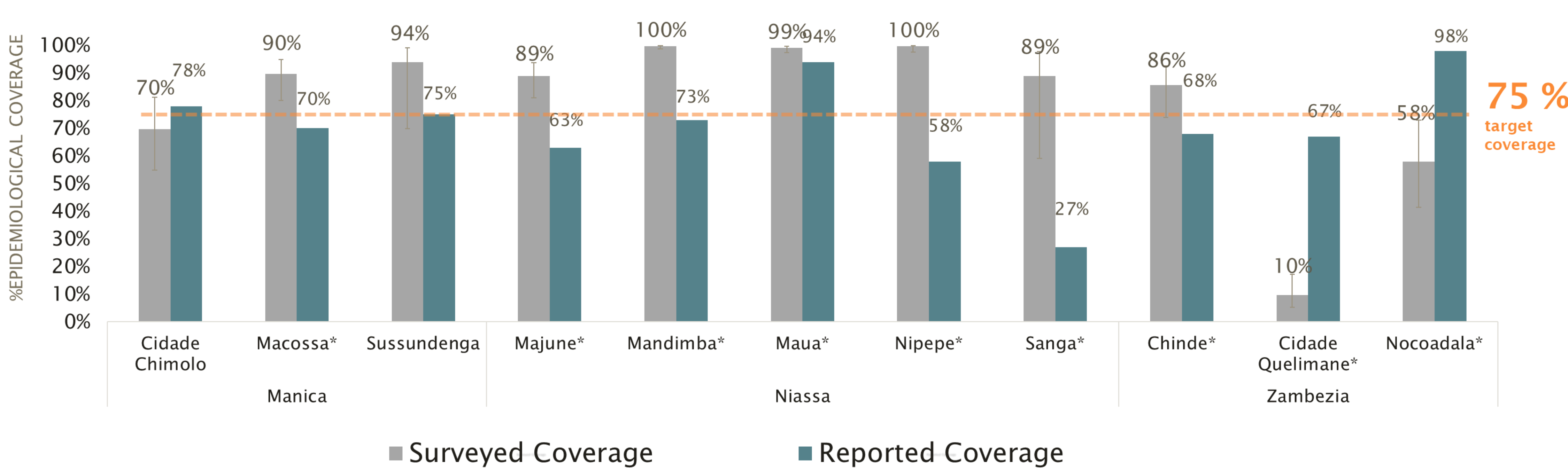
METHODS

- In may 2021 a CES was conducted to evaluate drug coverage
- Praziquantel MDA coverage assessed in school aged
- Coverage was assessed in 11 IUs across 3 provinces.
- Sample size for each EA was allocated using probability proportional to estimated size (PPES)
- Proportions and SE estimated using logistic model using the EA as a random effect to correct for ICC.

RESULTS

- The survey found that reported coverage figures differed significantly from the CES estimates in 9 of the 11 IUs surveyed.
- There were no significant differences in coverage by gender, although more females received treatment overall.
- Drug coverage was over-reported in IU's in Zambezia while it was under-reported in IU's in Niassa.
- Lower treatment coverage was found in urban areas
- Non-compliance was often due to not being in the community during MDA

Reported vs mean surveyed program coverage of praziquantel



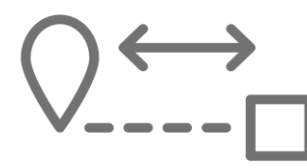
11%
Not at home



4%
Unaware about MDA



10%
Not visited by CDD



5%
MDA to far away

Reasons for not taking *praziquantel* during the MDA

DISCUSSION

- Under reporting of reported coverage, results in the risk of drug wastage, and overtreatment.
- Over reporting of MDA coverage masks poorly performing programs, which can lead to continued transmission.
- In urban areas it is challenging to reach coverage due to high mobility and microplanning.
- To ensure MDA campaigns are conducted based on correctly reported figures and address barriers limiting uptake, it is essential to use validation tools like CES more frequently to guide decision making.

Reported population coverage of the Praziquantel distribution to schistosomiasis endemic implementation units in Mozambique and the 11 IUs included in the coverage survey.

