## Abstract

**Title:** Cost of illness evaluation for cholera disease and cost of cholera vaccination campaign on Lake Chilwa and surrounding harbor population

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**Abstract (word count = 373; (maximum of 400))**

**Background**-The cost of cholera illness provides an important reference for evaluating the cost-effectiveness of OCV campaign. The rural population around Lake Chilwa-southern Malawi, compared to other inland populations, has particularly limited access to health facilities during their stay on the lake. This increases the cost of illness and risk of death. This study aims to generate further evidence of the cost of cholera disease for the population that has difficult access to health facilities. A reactive campaign has been conducted on the Lake Chilwa and surrounding harbour population.

**Objectives**

1. To measure the cost of cholera treatment for health service providers
2. To measure the cost of cholera for patients and their households
3. To measure the additional investment (public and private) in response to a cholera outbreak.
4. To measure the cost of implementing a cholera vaccination campaign, including delivery costs

**Methods-**

Cost of illness study in households and health centers targeting three districts Machinga, Zomba. Standardized questionnaires were developed for cost of illness. A sample of 100 patient households and 15 facilities were surveyed. On the patient side, the expenditures and income loses incurred in the course of a cholera episode were captured and will be evaluated. On the health facility side, the services offered for cholera inpatient and outpatient treatment will be systematically collected and costed. A standardized tool will be used to collate the cost of the campaign.

**Findings (the below results indicators will be added by the conference)**

* The financial losses of the patient’s household induced by one cholera episode will be calculated. The main cost drivers, such as distance to health facility, income losses, illness severity, will be analyzed.
* Cost per cholera case for health facilities will be evaluated by service item and by hospitalization day.
* Cost for the response to the last cholera outbreak around Lake Chilwa will be evaluated.
* Total societal cost of cholera illness will be the sum of all the above-mentioned costs.
* An estimate of overall Cost of the campaign will be calculated.

**Conclusions**These results are expected to provide further evidence on the cost of cholera and cost effectiveness of cholera vaccination for decision makers at national and global level.