

Evaluation of oral cholera vaccine use: ongoing IVI studies

Vittal Mogasale

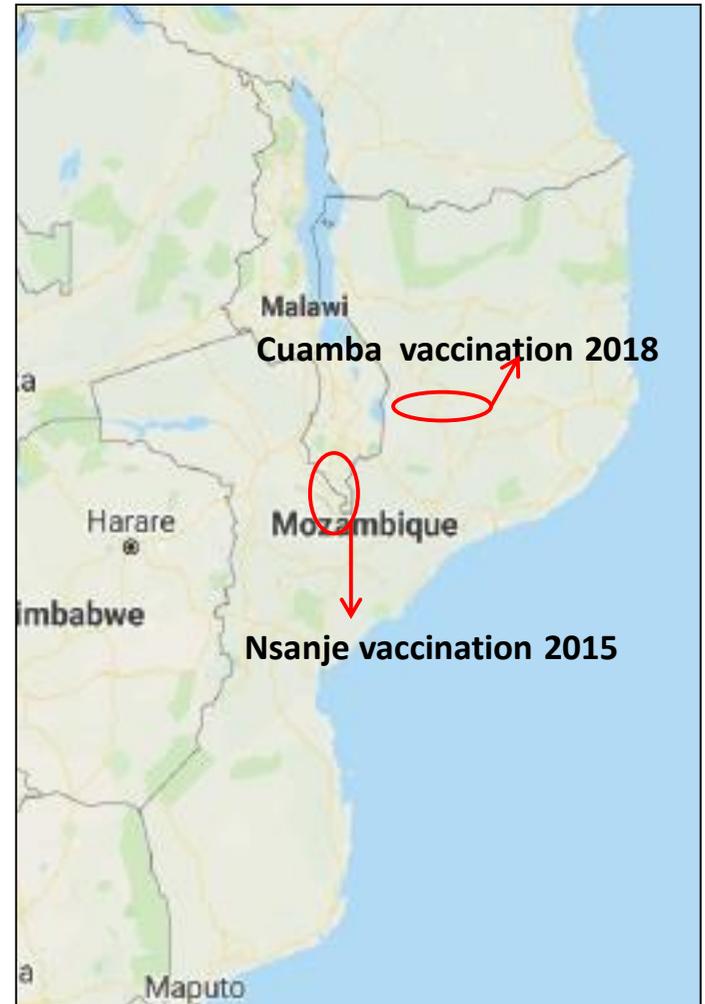


**International
Vaccine
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**GTFCC Working Group on OCV
Fondation Merieux Conference Centre les Pensières
December 6, 2018**

Presentation overview

- Cholera Surveillance In Malawi (CSIMA)
- Mozambique Cholera Prevention and Surveillance (MOCA)
- Health economic tools for evaluation of OCV use
- Estimating impact and cost-effectiveness of WHO-GTFCC cholera elimination plan



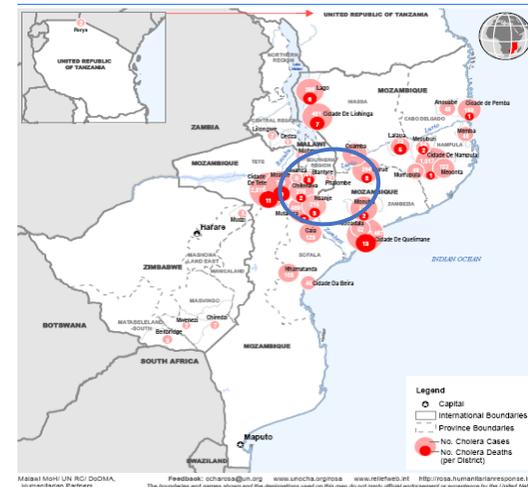
Field evaluation of OCV use

Malawi-Nsanje

- 2 dose OCV targeted to 160,482 in March-April 2015
- Prospective passive diarrrhea surveillance from April 2016 (22 HF in Nsanje 18 in Chikwawa)
- Nsanje: 26 confirmed cases/767 samples (Aug 30)
- Chikwawa: 46 confirmed cases/1161 samples (Aug 30)
- Post vaccination evaluation studies

Mozambique-Cuamba

- 2 dose OCV targeted to 196,652 in Aug-Sep 2018
- Prospective passive diarrrhea surveillance from Oct 2018 (6 health facilities)
- Post vaccination evaluation studies



Three economic evaluation components

- Estimation of vaccine delivery cost
- Estimation of cost of illness (COI) related to cholera at study site
- Cost-effectiveness analysis of oral cholera vaccination campaign conducted



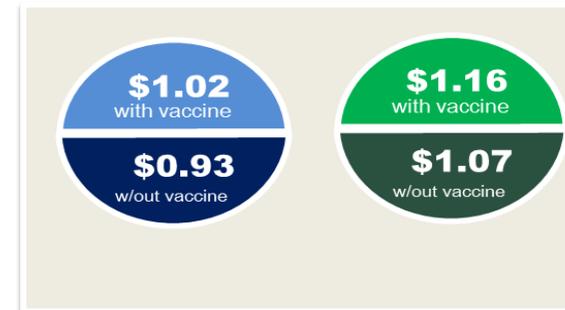
OCV delivery cost estimation: CholTool



[Name of Country Where Tool is Applied Will Appear Here]

Oral Cholera Vaccine Activity-Based Costing

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Primary Tool Operator: [User Name Here]

Cover Notes:

This is public version 1.0

Please use Table of Contents for navigation.

Please save often to avoid accidental loss of data.

Please see User Manual for instructions and guidance.



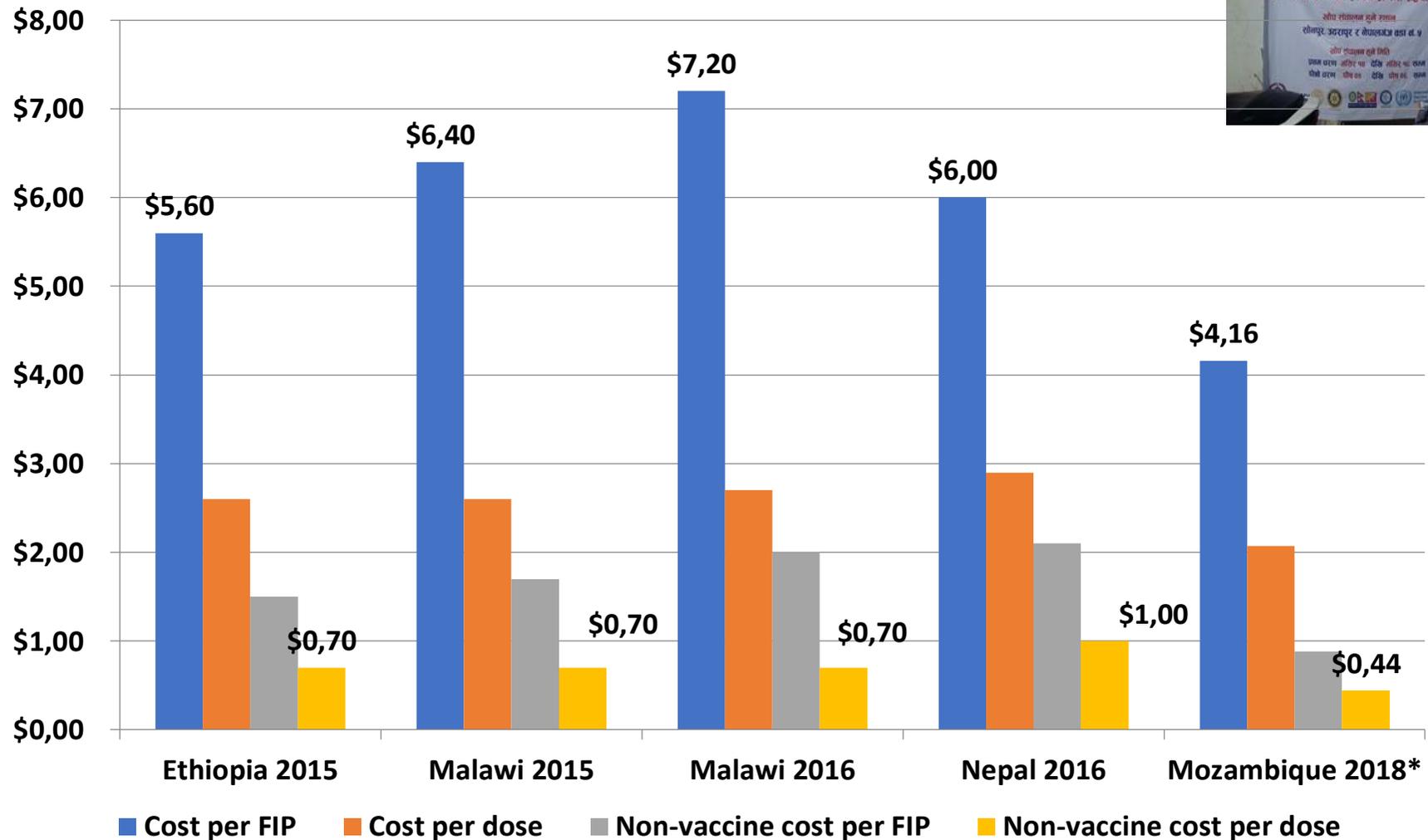
World Health
Organization

**LEVIN &
MORGAN**
GLOBAL HEALTH CONSULTANTS

- An excel based tool to estimate OCV delivery costs
- Used in many countries



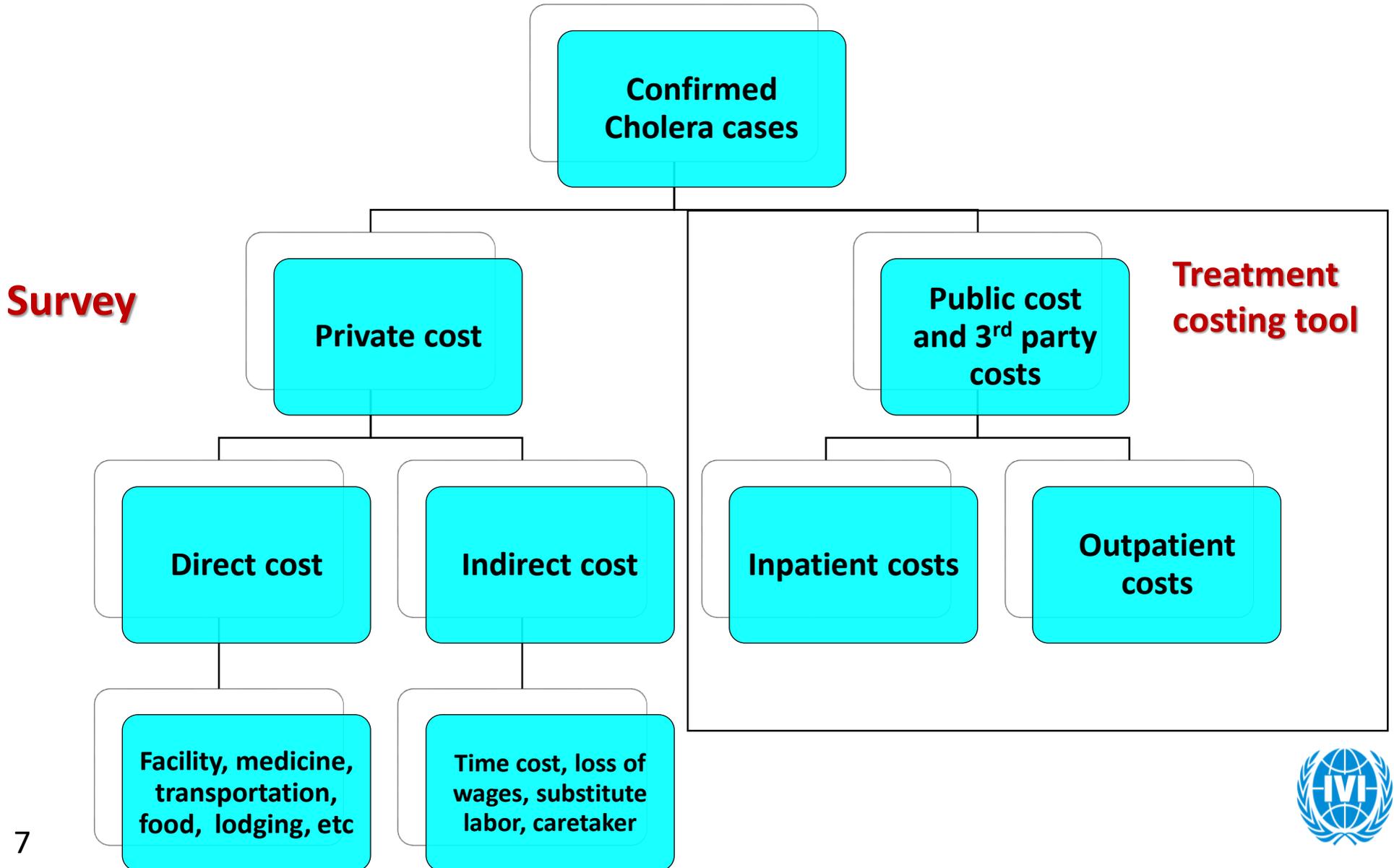
OCV delivery costs estimated



* Mozambique data is based on preliminary data, final results may differ



Cholera cost of illness study



Cholera treatment costing tool-under development



Cholera Treatment Costing Tool (CHOLTOOL)

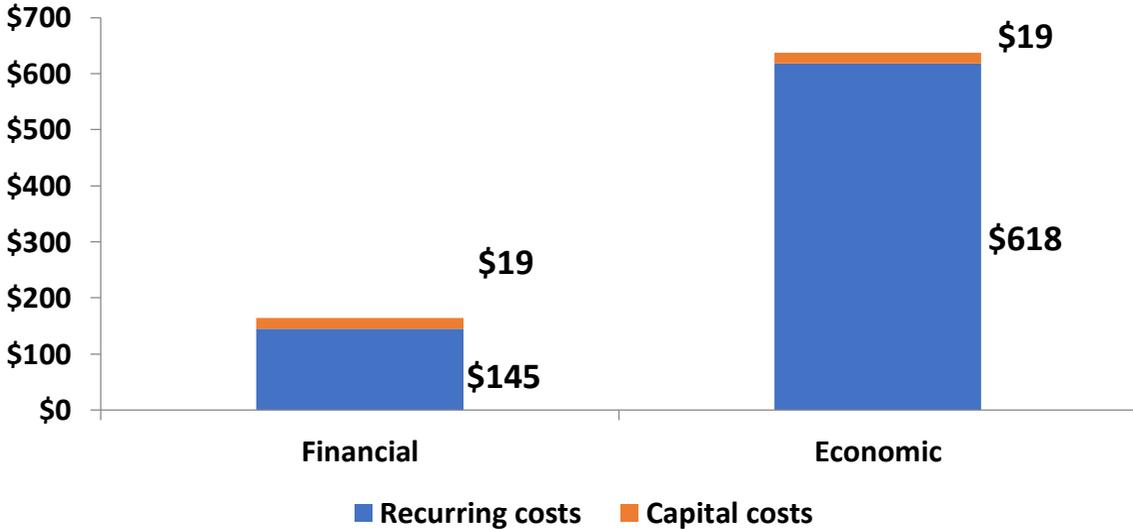
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MALAWI
Ministry of Health (District Level) Costing Perspective
Retrospective Costing (12 Months)

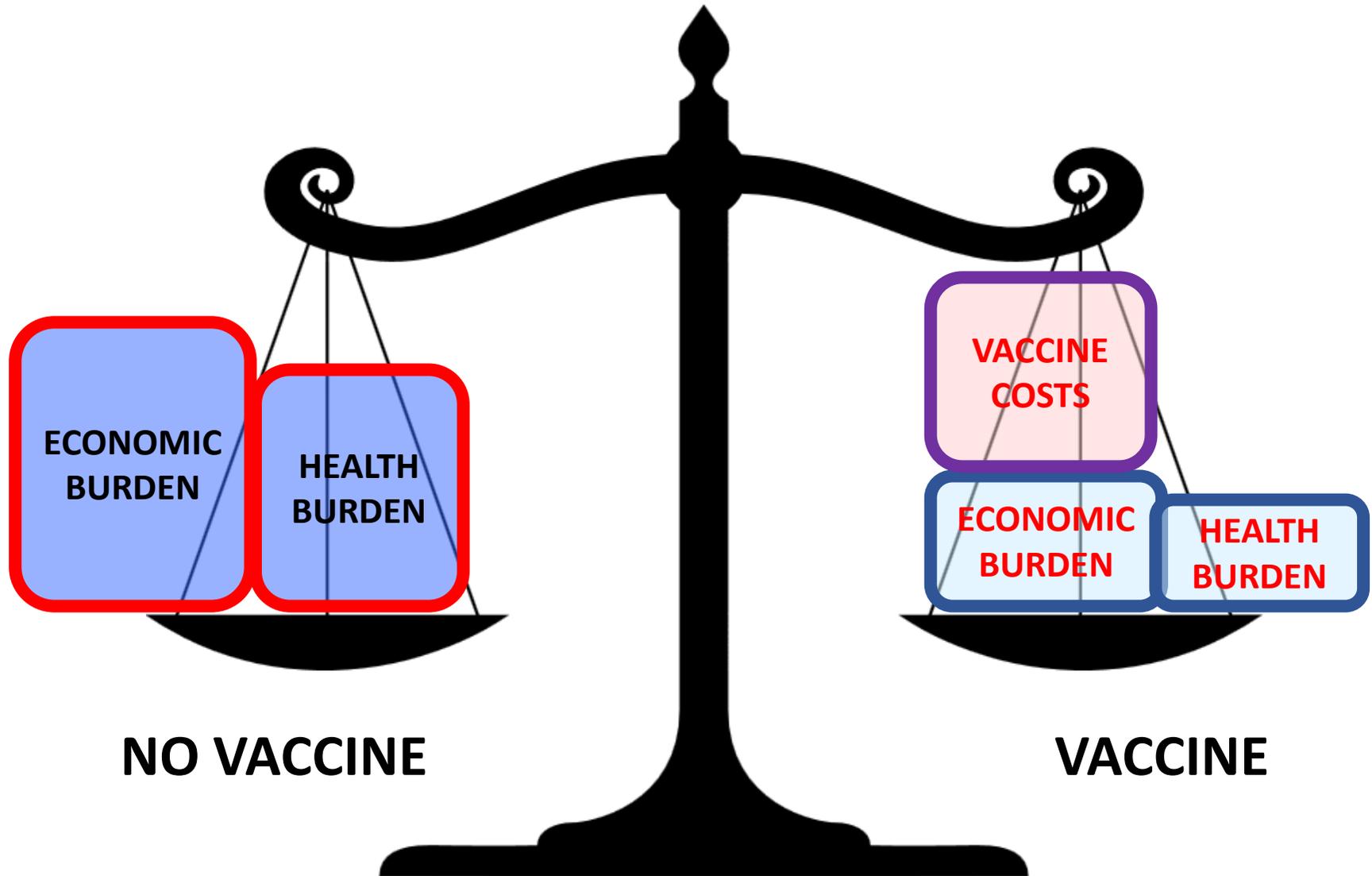


In Collaboration with: Primary Developer: Winthrop Morgan, M

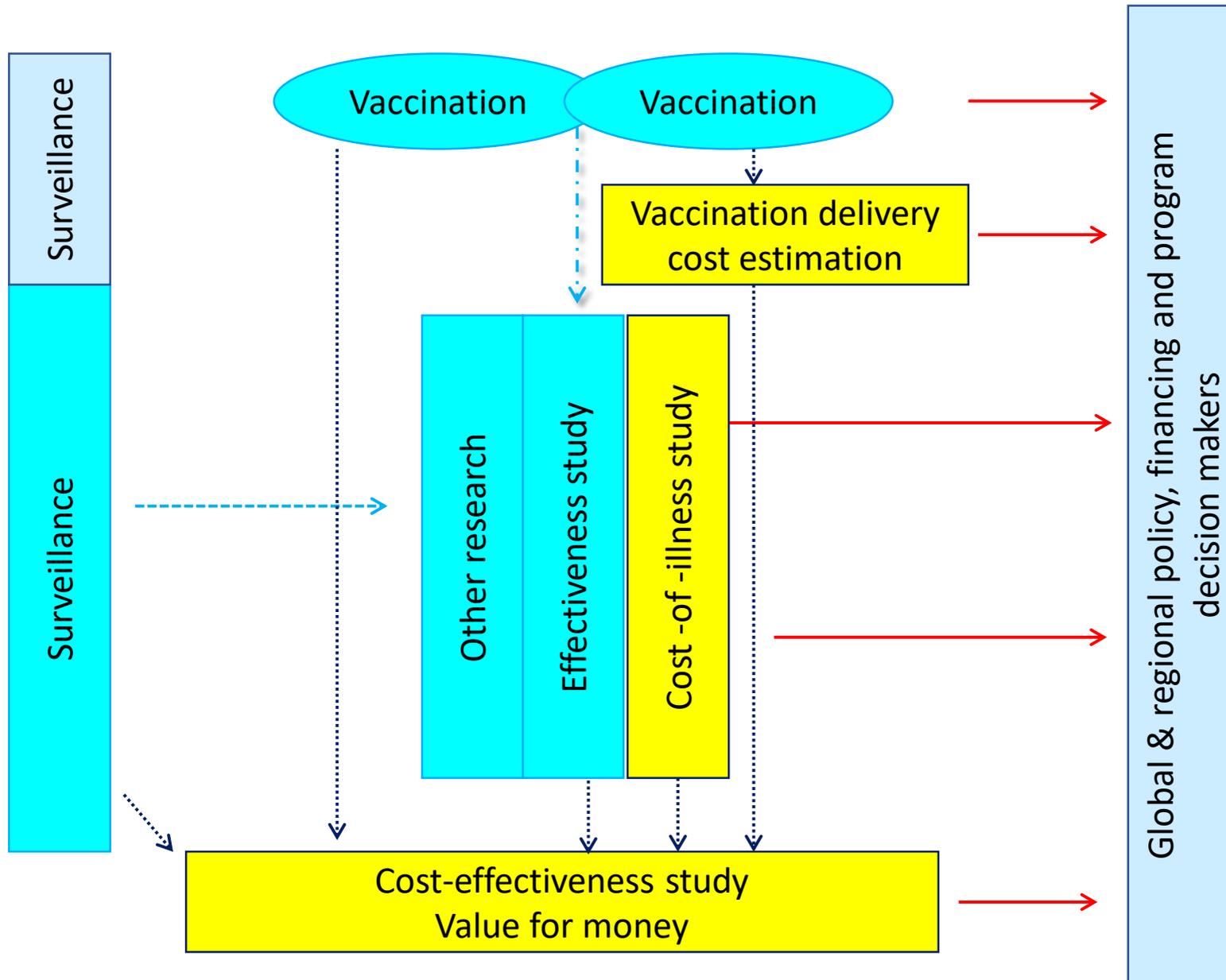
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File Location: C:\Users\vmogasale\Documents\1.Vittal Mogasale\2. Work\1. Work\11. PER presentations\55 GTFCC OCV Dec 2018\Slides from others\Cholera_Treatment_v18



Cost effectiveness analysis

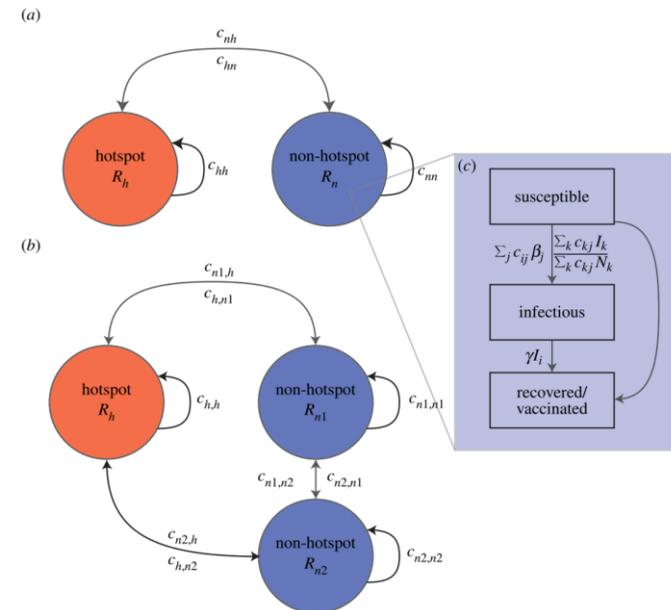


Role in policy financing and vaccine uptake



Estimating impact and cost-effectiveness of ending cholera road map

- Form technical advisory committee to decide broad approach and inputs: **Formed**
- Scope the disease and economic burden (literature reviews): **Ongoing**
- Estimate vaccine demand forecast
- Conduct impact modeling: **Ongoing**
- Analyze cost-effectiveness



*Transmission model is under development to account for hotspots.



Acknowledgements

- Donors: KOICA, SIDA, BMGF, Wellcome Trust
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- GTFCC and cholera experts



Questions and Answers

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