

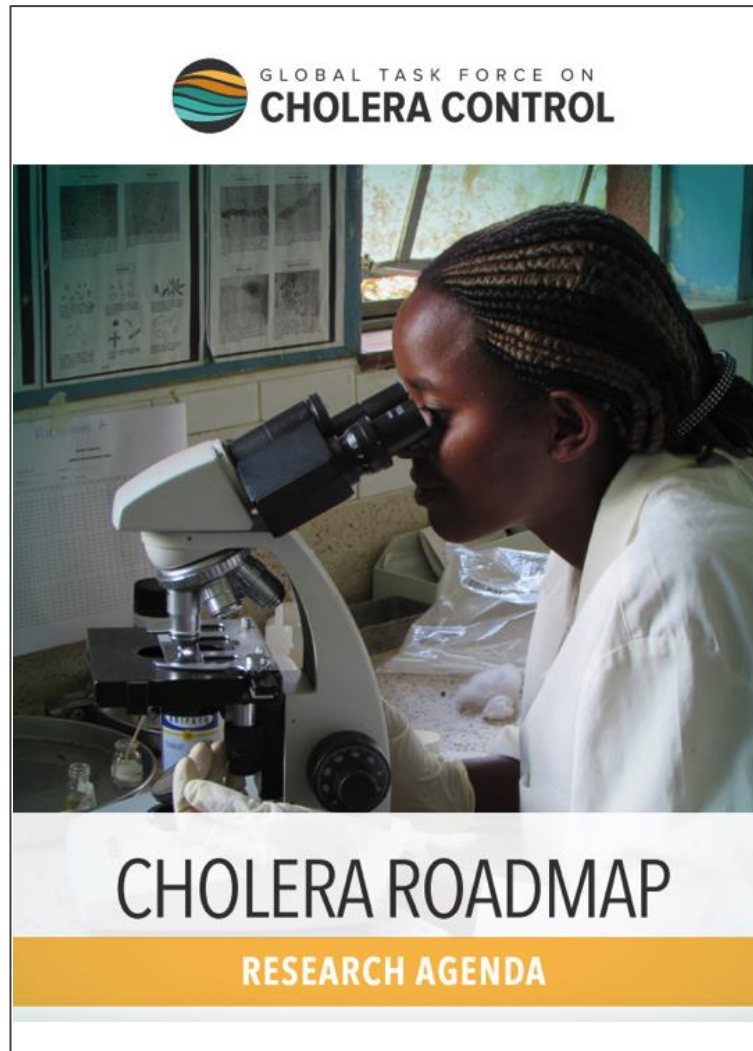


GLOBAL TASK FORCE ON
CHOLERA CONTROL

THE GTFCC RESEARCH AGENDA
OCV RESEARCH PRIORITIES

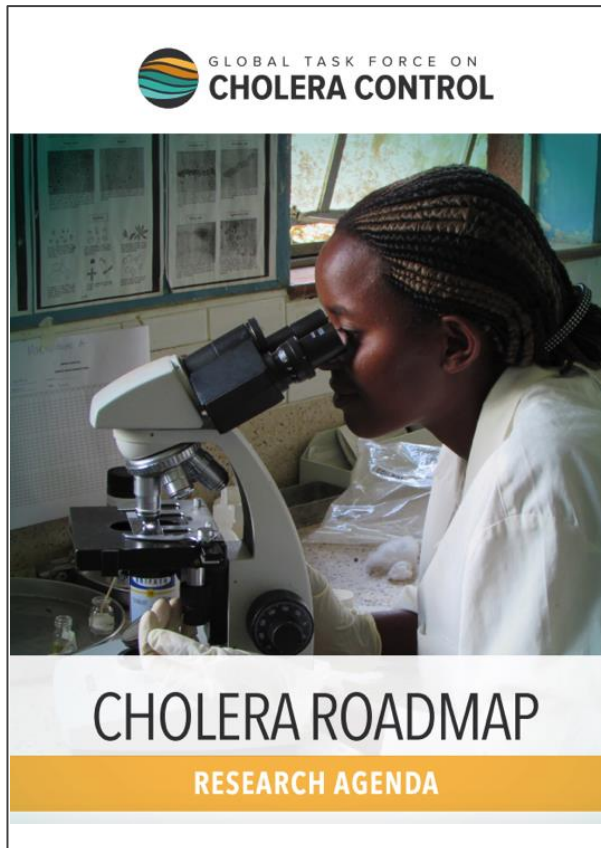
OCV WG Meeting
8 Dec 2021
Prof. JAN HOLMGREN

THE GTFCC **RESEARCH AGENDA** (JANUARY 2021)



- **Identifies knowledge gaps** found most important to cholera experts and stakeholders
- **Establishes a prioritized list of research questions** that, when answered, will have a significant impact on achieving the Cholera Roadmap goals
- Research can help **accelerate progress** on cholera control: faster, better, at lower cost

THE GTFCC **RESEARCH AGENDA**



Meant to be an active and living guide:

- For **Researchers** - a tool to prioritize research activities.
- For **Donors** - a guide to identify research projects with the most impact on practice and policy.
- For **Programme implementers** - to address the priorities and use the research results.
- For **National policymakers** – to incorporate research priorities and goals into NCPs.

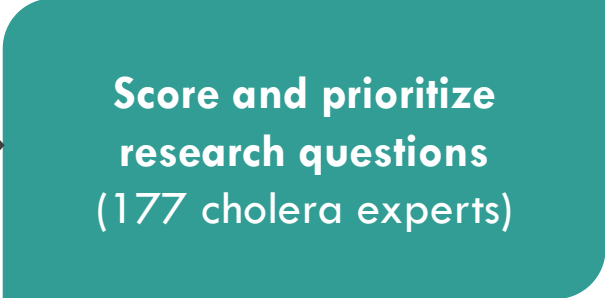
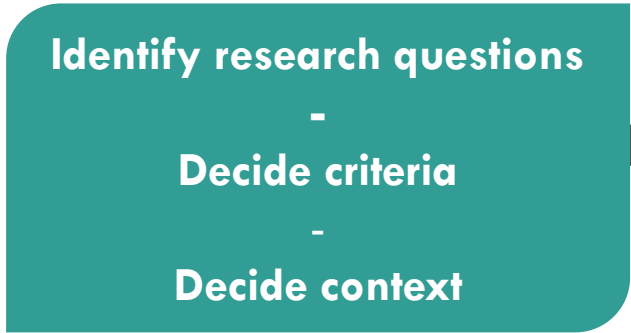
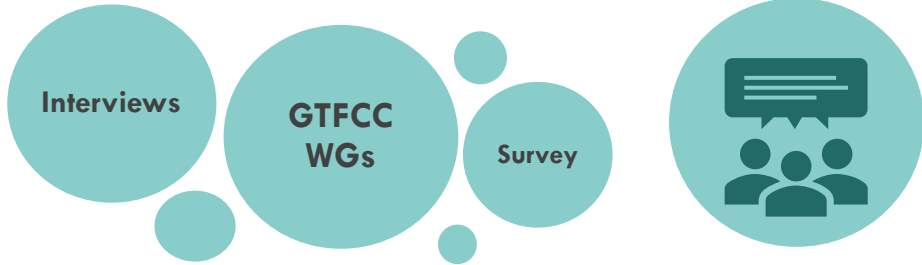
Therefore linked to:

CHOLERA RESEARCH TRACKER

An online platform and living database

- For monitoring and evaluating research activities
- For synthesizing evidence from research for policy and implementation

CHOLERA ROADMAP RESEARCH AGENDA DEVELOPMENT



Project team

MM Global Health

Melissa Ko
Thomas Cherian
Shamim Ahmad Qazi

Wellcome

Helen Groves
Elizabeth Klemm

Research Agenda Steering Committee

Abul Kalam Azad	Jose Paulo Langa
Daniele Lantagne	Margot Nauleau
Dominique Legros – Chair	Philippe Barboza
Jan Holmgren	Val Curtis

Global Health Visions

Kristen Cox Melling
James Fishon
Amy MacIver

PRIORITIZED OCV RESEARCH QUESTIONS

Top five overall priorities are all on “best use” of OCV

Rank	Research Question
1	What are the optimal OCV schedules (number of doses and dosing intervals) to enhance immune response and clinical effectiveness in children 1 to 5 years of age?
2	What are potential delivery strategies to optimize OCV coverage in hard-to-reach populations (including during humanitarian emergencies and areas of insecurity)?
3	Is there additional benefit of adding WASH packages, for example household WASH kits, to an OCV campaign?
4	What is the optimal number of doses of OCV to be used for follow-up campaigns in communities previously vaccinated with a two-dose schedule?
5	Can the impact of OCV on disease transmission, morbidity and mortality be maximized by targeting specific populations and/or targeted delivery strategies?

**DISCOVERY
RESEARCH
PRIORITY**

**Discovery and
development of
new and
improved
vaccines**

EXAMPLES OF CURRENT RESEARCH PROJECTS ALIGNING WITH PRIORITIES

- A selection of what's available on [Cholera Research Tracker](#) – does not represent all ongoing research in these areas
- Majority were started before creation of the Research Agenda – the Tracker is helpful for monitoring progress against priorities
- Thank you to all the researchers who contributed these and other projects to the Tracker

Assessing OCV and WASH in Yemen and providing an innovative intervention

Dr. Aisha Jumaan
Yemen Relief and Reconstruction Foundation

#2

Case-area targeted intervention (CATI) for cholera outbreaks: a prospective observational study

Dr. Flavio Finger
Epicentre

Cross-cutting
priority
& #5

Development of a rapidly active live-attenuated cholera vaccine

Dr. Matthew Waldor
Brigham & Women's Hospital

Discovery
Priority

CHOLERA RESEARCH TRACKER

An online platform and living database



24

Vaccines 15 ACTIVE

Input needed from Working Group:

- Adding research projects to Tracker
- Examples of research for policy or implementation

RQ 5. CAN IMPACT OF OCV BE MAXIMIZED BY TARGETING SPECIFIC POPULATIONS

A PERSONAL VIEW:

Successful, massive and sustained use of OCV (and other interventions) in **Bengal (India and Bangladesh)** may be critical for the ultimate success of the End Cholera Global Roadmap

- Only this would specifically target/interrupt the primary *Vibrio cholerae* "incubator" for cholera pandemics and pandemic waves

WILL NEED DEDICATED ADVOCACY, POLITICAL COMMITMENT AND INNOVATIVE STRATEGIC OPERATIONAL RESEARCH

Thank you

