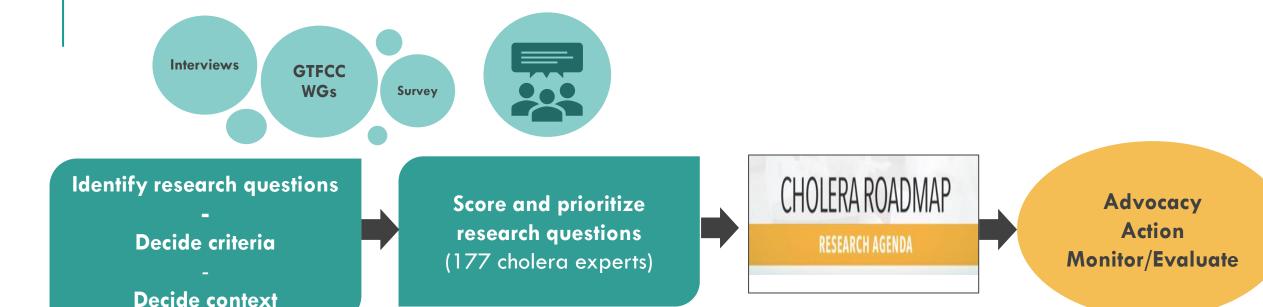


THE GTFCC RESEARCH AGENDA OCV RESEARCH PRIORITIES

OCV WG Meeting 11-12 October 2022

CHOLERA ROADMAP RESEARCH AGENDA DEVELOPMENT PROCESS



Project team

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James Fishon

Amy MacIver



■ Cross-cutting Research Priorities which involve more than one pillar

20 RESEARCH PRIORTIES WERE IDENTIFIED ACROSS THE PILLARS

- 9 OCV Only
- 2 cross cutting including OCV

THE TOP FIVE OCV RESEARCH PRIORITIES PERTAIN TO USE

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?

PRIORITY
Discovery and development of new and improved vaccines

6 RESEARCH PROJECTS ARE IDENTIFIED AS ACTIVE IN THE CHOLERA RESEARCH TRACKER

- 25 cholera vaccine related projects are listed in the <u>Cholera Research Tracker</u> database – many initiated prior to development of the research agenda
- 6 projects are listed as ongoing
 - Does not represent all ongoing research
 - Please don't forget to update project status and add new projects





CHOLERA RESEARCH TRACKER

An online platform and living database

MAPPING THE 6 ACTIVE RESEARCH PROJECTS TO OCV RESEARCH PRIORITIES

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?
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3	Is there additional benefit of adding WASH packages, for example household WASH kits, to an OCV campaign?
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5	Can the impact of OCV on disease transmission, morbidity and mortality be maximized by targeting specific populations and/or targeted delivery strategies?

- The impact of mass cholera vaccination in Uvira,

 Democratic Republic of the Congo Johns Hopkins

 University, DRC
- Impact evaluation of OCV preventive campaigns –
 Epicentre, DRC
- Ethiopia Cholera Control and Prevention (ECCP) –IVI, Ethiopia

- Oral Cholera Vaccine reformulation IVI, South Korea
- O-specific polysaccharide responses and cholera –
 Harvard Univ & Massachusetts General Hospital,
 USA
- Development of a rapidly active live-attenuated cholera vaccine - Brigham & Women's Hospital, USA

GAPS/AVENUES OF FUTURE RESEARCH IDENTIFIED IN THE 2021 WG MEETING

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?

Dose intervals

* No active projects listed in research tracker

CATIs and antibiotics

(in response to outbreaks)

* No active projects listed in research tracker

New vaccines

* 3 active projects listed in research tracker

2022 OCV PROJECT UPDATE ROUND ROBIN

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?
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3	Is there additional benefit of adding WASH packages, for example household WASH kits, to an OCV campaign?
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5	Can the impact of OCV on disease transmission, morbidity and mortality be maximized by targeting specific populations and/or targeted delivery strategies?

IVI JHU Univ Gothenburg icddr,b **Epicentre US CDC** Others?

Thank you



