



GLOBAL TASK FORCE ON
CHOLERA CONTROL

Use of cholera vaccine, Bangladesh, 2020
Dr. Firdausi Qadri and the OCV Team at icddr,b and DGHS,GoB

BACKGROUND OF CHOLERA IN THE COUNTRY

Diarrheal Diseases- the leading cause of hospitalization at public facilities and fifth leading cause of child death under the age of five

icddr,b has been continuing lab based cholera surveillance since 1979

Some latest statistics on Cholera in Bangladesh-

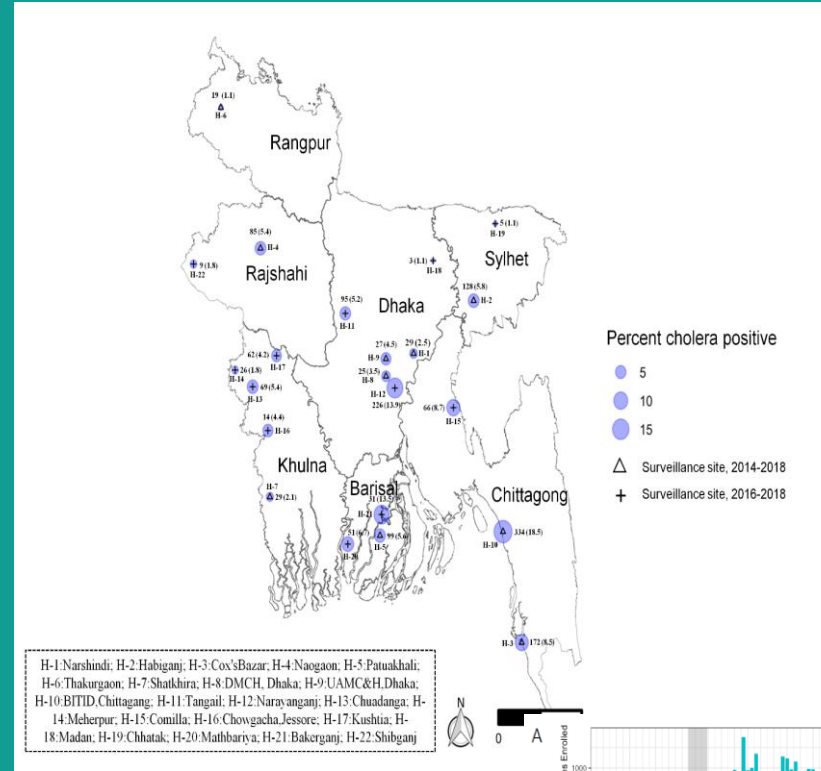
Population at risk- 66,495,209

Incidence rate- 1.64/1,000 cases

Estimated Annual cases- 109,052

Estimated annual number of death- 3,272

The 2% systematic surveillance of icddr,b shows ~20% of patients are culture confirmed cholera cases



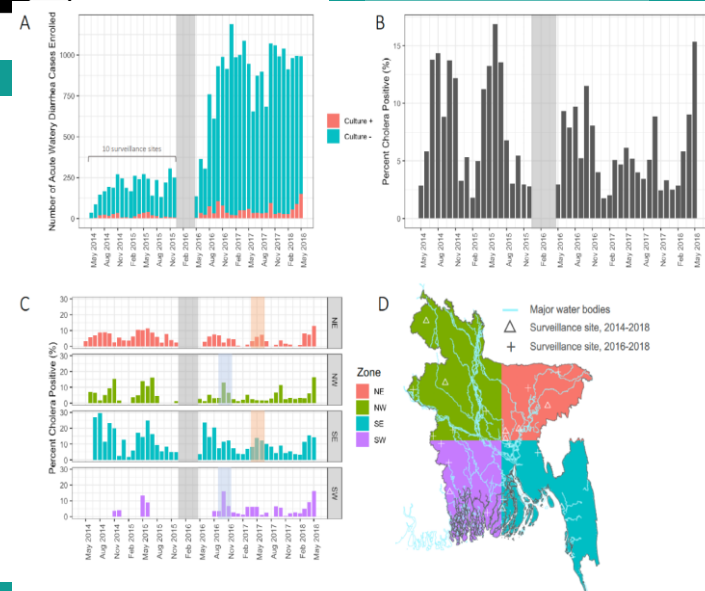
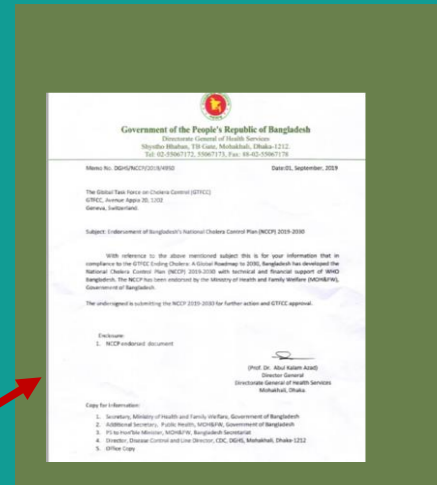
The proportion of diarrheal patients positive for cholera in children <5 years was 2.1% and in patients ≥5 years was 9.5%.

The proportion of cholera in Dhaka and Chittagong Division is consistently high.

We observe a biannual seasonal peaks (pre- and postmonsoon) for cholera across the country, with higher cholera positivity during the post-monsoon in western regions and during the pre-monsoon season in eastern regions.

Cholera risk increases with age, occupation, and recent history of diarrhea among household members.

NATIONAL CHOLERA CONTROL PLAN formulated and approved in September 2019



ORAL CHOLERA VACCINE USE IN BANGLADESH- COX'S BAZAR

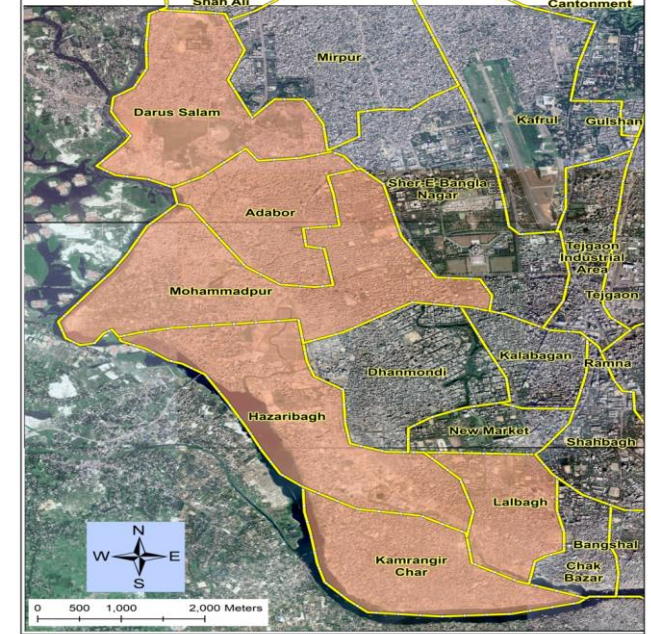
Sl no.	Vaccination Campaigns	Date of Campaign	Target Age group	Target	Coverage	Remarks
1	OCV Campaign (1 st Round)	10-18 October 2017	>1 year	658,371	700,487 (106%)	Evaluated coverage showed >92%
2	OCV Campaign (2 nd Round)	5-9 November 2017	1 to <5 Years	182,317	199,472 (109%)	
3	OCV Campaign (May-2018 Round) (+ <u>Host community</u>)	6-13 May 2018	>1 year	984,906 (including 103,506 from HC)	879,273	Evaluated coverage showed >95%
4	OCV Campaign (Nov-Dec 2018 Round) (+ <u>Host community</u>)	17 Nov – 13 Dec 2018	>1 year	328,556 (including 991,61 from HC)	364,686 (110.0%)	Evaluated coverage showed >95.1%

OCV USE IN COX'S BAZAR AND DHAKA CITY DEC 2019 2020

Campaign	Date	Target Age Group	Target	Coverage
Cox's Bazar	8 to 31 December 2019	>1 year host community	495,197	528,297*
		1 to <5 years FDMN	144,062	162,871
Cox's Bazar	19 to 26 January 2020	1 year and above host community	584,621	164,615*
	15 to 20 February 2020	1 to <5 years FDMN	162,871	179,891
Demonstration project	19 to 25 February 2020	>1 year and above	1.2 million	1,199,136

Based on the National Cholera Control Plan for Bangladesh the demonstration project for Oral Cholera Vaccine was carried out in 6 cholera endemic thanas of Dhaka City Corporation

- Bangladesh requested 2.5 million OCV doses for vaccination of 1.2 million people in high risk urban slum of six thanas
- For the first round 1.2 million OCV doses (Euvichol) were received on 18 and 19 February 2020.
- Vaccination was carried out from 19 to 25 February 2020 and 1,199,136 doses were delivered to those one year and above in age target



Thana name	< 5yrs Male	<5yrs Female	>5 yrs Male	>5yrs Female	Grand Total
Adabor	13131	12781	84772	71378	182062
Darus Salamr	2489	2412	17296	13506	35703
Hazaribagh	20895	19584	89257	82912	212648
KamrangirChar	25626	25295	101447	101157	253525
Lalbagh	9533	9180	58280	57561	134554
Mohammadpur	30067	28150	178686	143741	380644
Total	101741	97402	529738	470255	1,199,136



OCV campaign in Cox's Bazar among host and displaced Rohingya population (FDMNs)- 6th Campaign to prevent cholera epidemic- Dec 2019 to Feb 2020

Strategy followed :

OCV vaccine delivered at EPI based Fixed and Outreach Vaccination centers

Vaccine delivery followed up by house to house mop-up activities the next day- ~ 1 million doses given

Government and other partners including WHO, UNICEF, icddr,b were involved in the campaign for successful delivery of the vaccine



FDMN- Forcibly Displaced Myanmar Nationals in Cox's Bazar

WASH COMPONENTS

During demonstration campaign health education on basic water, sanitation and Hygiene was given

Infographic documents for control of diarrheal diseases was distributed in the area of the campaign

Advocacy meeting with stakeholder was done prior to the campaign


ডায়রিয়া প্রতিরোধের স্বাস্থ্য শিক্ষা

সুস্থ জীবন যাপনের জন্য নিরাপদ পানি (ফুটানো, ক্লোরিনেশন, ফিল্টার) পান অত্যন্ত জরুরী

পানি পান, পুষ্টি কার্যদি ও স্নানাব্যবহার জন্য নিরাপদ পানি ব্যবহার করুন।

প্যানের উপর ভালভাবে বসুন

খাবার পূর্বে এবং প্রতিবার পায়খানার পর সাবান দিয়ে ভালো করে হাত ধুতে হবে।

মল ত্যাগের পর ভালভাবে পানি ঢালুন। যাতে মল প্যান থেকে নেমে যায়।

সাবান/ছাই/কাদা মাটি দিয়ে হাত ভালভাবে ধোঁতে করুন।

পায়খানা ঘর পরিষ্কার পরিচ্ছন্ন রাখুন।

প্রতিবার পায়খানার পর টয়লেটের দরজা বন্ধ রাখুন।

খাবার ও পানি ঢেকে রাখুন



World Health Organization

 icddr,b

IMPACT OF COVID

The 2nd dose OCV preventive vaccination could not be done for 1.2 million people in six thanas in Dhaka City Corporations

I

Pre-emptive vaccination of host community in remaining four unions of Teknaf & Ukhiya of Cox's Bazar was also not possible due to the pandemic

We are looking forward to initiating the OCV campaign again in 2021

CHALLENGES AND WAY FORWARD

It is important to follow the National Cholera Control Plan for Bangladesh to meet the plans of “Ending Cholera 2019-2030”

Restart the vaccination in 6 thanas of Dhaka city with 2 doses and from there follow the plan

Plan on using local licensed OCV- Cholvax in Bangladesh to meet the needs of a large population- ~180 million doses in 5 years



Thank you

Together we can
#endcholera



GLOBAL TASK FORCE ON
CHOLERA CONTROL