

The largest pre-emptive vaccination that prevented epidemic of cholera in a humanitarian crisis- the Cox's Bazar, Bangladesh



Dr. Tajul Islam A. Bari
Infectious Diseases Division
icddr,b

Established 11 Surveillance Sites

Ukhiya Upazila (09)

Balukhali PHC (B1)

IMO Kutupalang-D4 (I1)

IOM Bermapara (I2)

Kutupalang PHC (K1)

Kutupalang MSF (K2)

Kutupalang Gonoshasthaya Kendra (K3)

Kutupalang Gonoshasthaya 00 zone Madhurchara (K4)

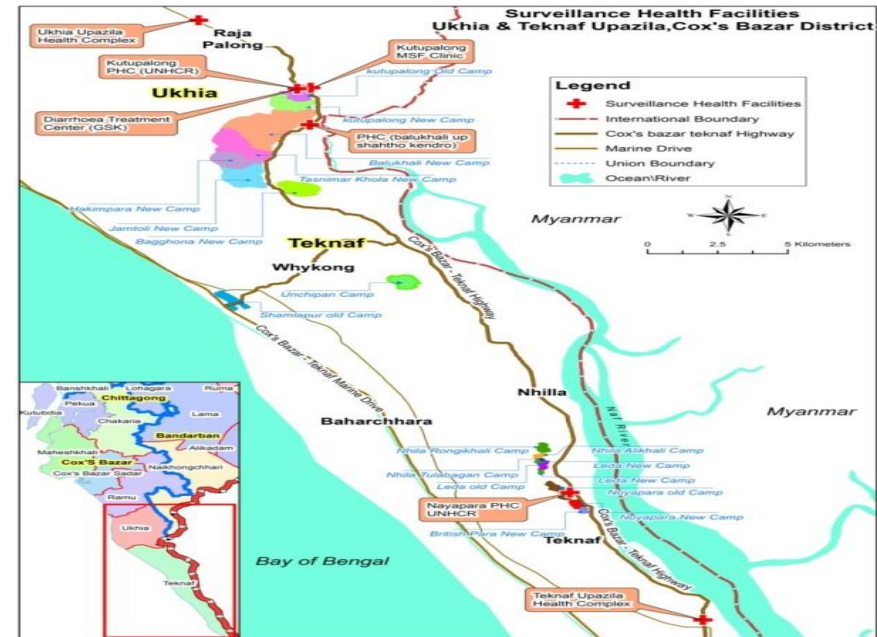
MSF Belgium Rubber Garden (K5)

Ukhiya Health Complex (U1)

Teknaf Upazila (02)

Nayapara PHC (N1)

Teknaf UHC (T1)



Application to Access ICG OCV Support

- Responding to the situation and with the request of DG, DGHS, icddr,b infectious diseases division lead by Dr Firdausi Qadri played an important role
- Took the initiative to develop the application process for ICG manage OCV stockpile

OCV campaigns among the FDMN, 2017-2018

First round: 10 to 16 October 2017

Approximately 700,487 doses of OCV was deployed during this round icddr,b provided technical assistance along with other national and international partners. Target group was ≥ 1 years FDMNs

Second round: November 4 to 9, 2017

Second dose of OCV was delivered to 199,472 children aged ≥ 1 - 5 years along with bOPV among FDMNs

Third round: May 6-13, 2018

One dose recipient from the earlier campaign, newly arrived FDMN and HC were included in this round

A total of 879,273 FDMNs & HC received OCV

Fourth round: 17 November to 13 December 2018

364,686 doses of OCV delivered

Second dose for all in the HC

Second dose for 12-23 month FDMNs

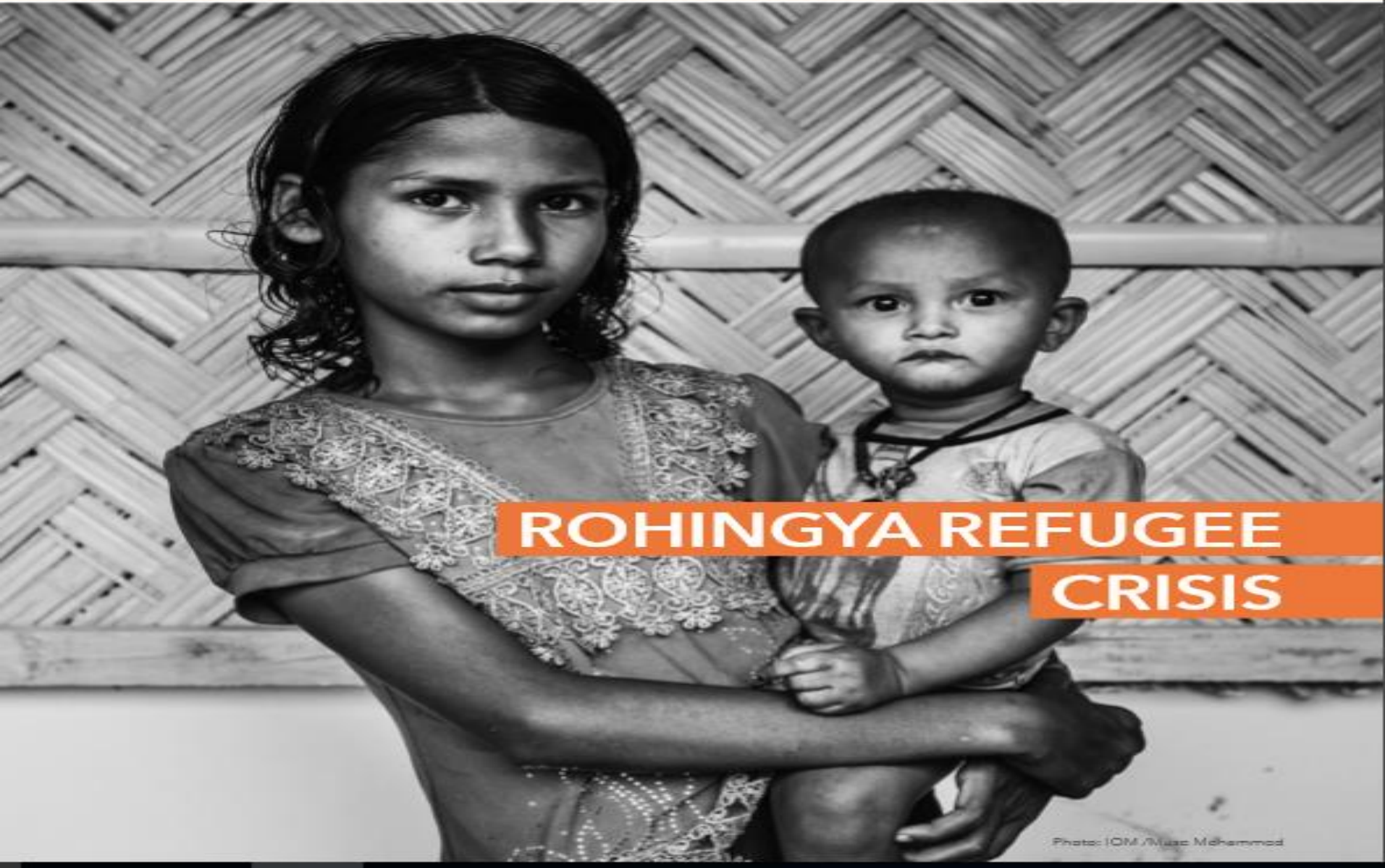
First dose to newcomers



2.1 million doses delivered

The icddr,b led the way for Rohingya Humanitarian Crises

OCT 2017



**ROHINGYA REFUGEE
CRISIS**

Assess the effectiveness of OCV among the FDMNs

- From 16 December 2017, icddr,b is conducting a survey to assess the effectiveness of the vaccines which is continuing
- Surveillance continued for those who received vaccines and those who did not, formulating a comparison study to see the efficacy of the vaccine
- Information recorded in Tab for both vaccines & non vaccines and if any patient come to the health care center for diarrheal treatment, their information search from recorded in Tab;
- Post coverage evaluation after 2nd round OCV conducted by icddr,b

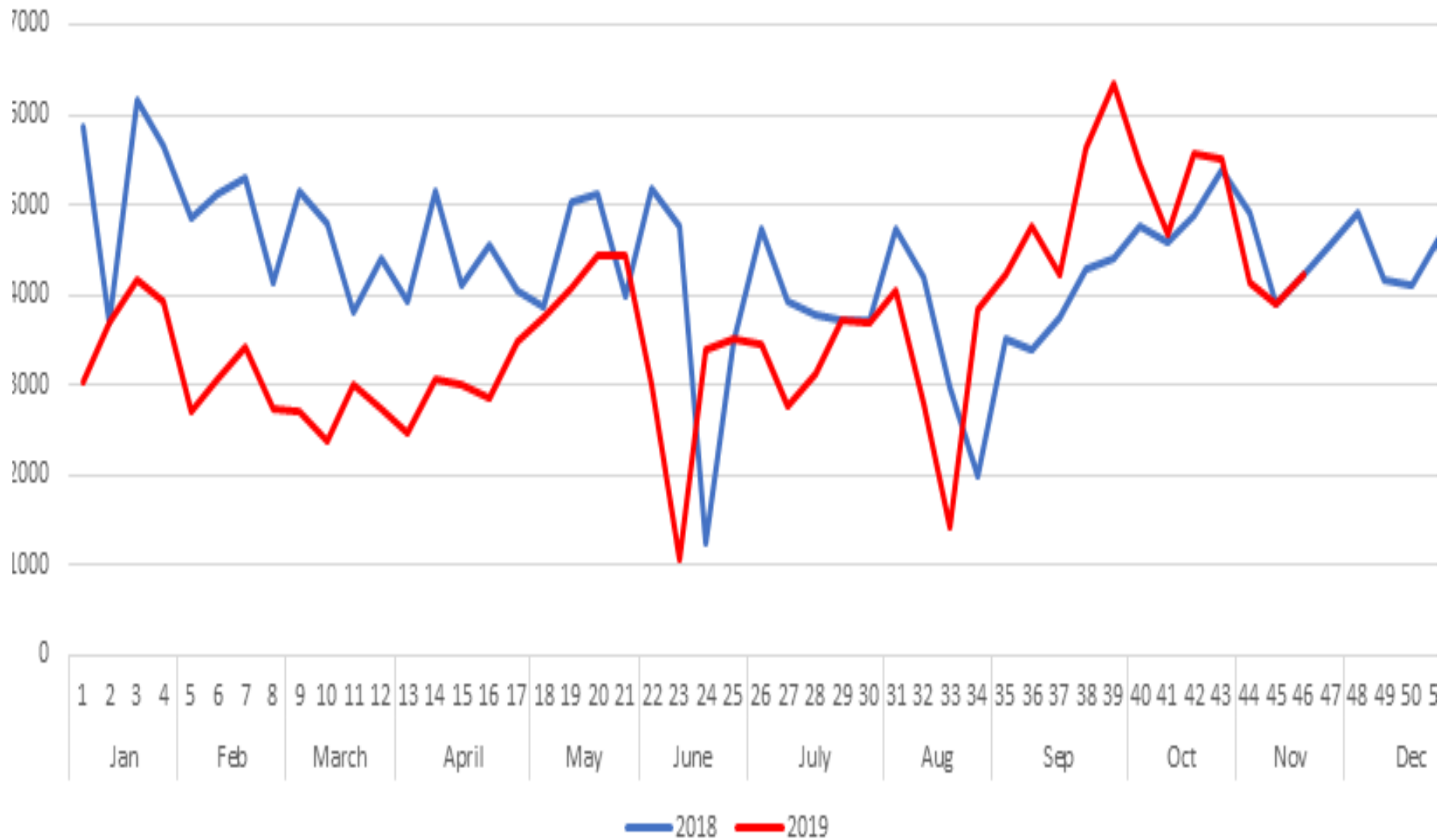
Increase trend of AWD seen in Cox's Bazar

- Since 5 September 2019, there is upsurge of AWD that have tested positive by cholera RDTs or culture, or are linked to these cases
- Team visited the AWD upsurge areas



The team consisted of CDC unit, Civil Surgeon, and representatives from DGHS Coordination Center, IEDCR, ICDDR,B, RRRC, WHO

Total number of AWD case reported in EWARS in 2018 & 2019

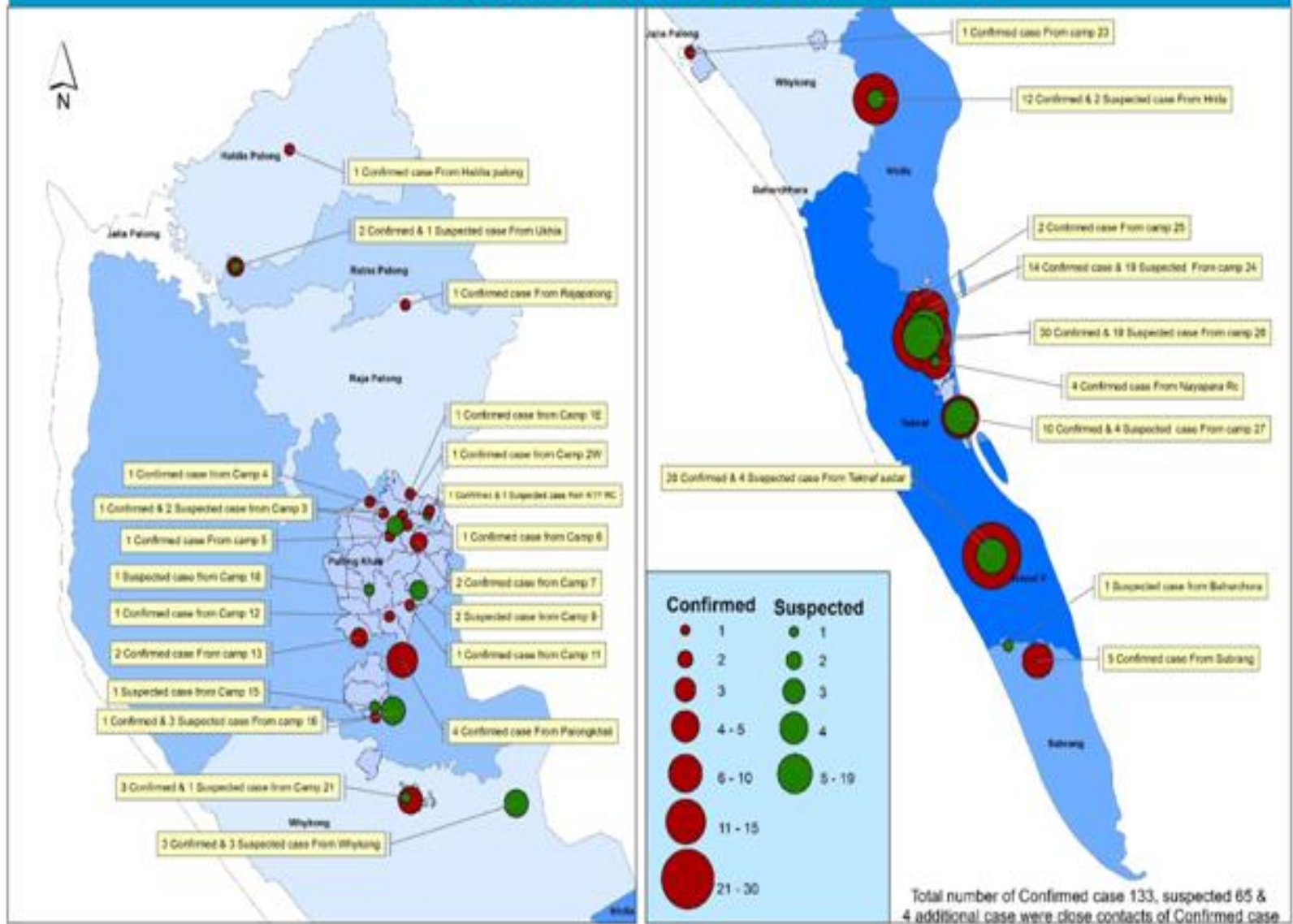


Detection of Cholera Cases Up to 28 November 2019

Upazila	Settlement	Total Reported	Suspected	Confirmed by Culture	Result awaited
Teknaf	Rohingya	101	37	64	29
	Host Community	59	11	48	11
Ukhiya	Rohingya	22	9	13	9
	Host Community	9	1	8	1
Total	Rohingya	123	46	77	38
	Host Community	68	12	56	12
Grand Total		191	58*	133	50

*4 cases were Epi linked due to close contact of confirmed cases and 4 RDT positive samples were not sent for confirmation

Distribution of AWD cases (as of 29 Nov 2019)



Map 1. AWD cases, Teknaf and Ukhia, 5 September to 28 November 2019

4th Request to ICG

- GoB requested ICG for OCV stockpile support for vaccination of ≥ 1 year above all HC and ≥ 1 year to < 5 years FDMNs;
- ICG approved for 1,270,170 doses for two doses vaccination;
- Country received 635,085 doses of OCV to conduct the 1st round of the campaign from 8th to 14 December for FDMNs & 8th to 31 December for HC;
- Total target: 635,085 (FDMN-139,888; HC-495,197)
- The doses for the 2nd round will be released at a later stage.

Oral Cholera Vaccination Campaign HC & FDMNs

Criteria	FDMN	Host Community
Target Group	≥1 year to <5 years	≥1 year above all
Target Population	138 726 (~ 140 000) 1 162 (New arrival)	495 197 (~ 500 000)
Proposed Duration	08 – 14 Dec 2019	08 – 31 Dec 2019
Total dose	635 085 (1270270 for 2 rounds)	

OCV Campaign Host Community & FDMNs

Criteria	FDMN	Host Community
Proposed Strategy	House to House CHW WG Routine Platform	Sweeping/rolling by ward Number of fixed sites will be operating during the whole campaign period and evening session will take place along the day session especially for the people get busy with the day time activities. <u>Searching by ward on following day</u>
Workload	40-45 households/day	300 doses/team/day
No of team	Use 1400 CHWs Vaccination - 1 st 4 day (3 members team- 1400 teams) Mop us – 5 th and 6 th day (Same team on last 2 days)	Vaccination – 1 st day (5 members- 50 teams) Vac. Administration, Registration, Crowd Control, Finger Marking, Tally Sheet filled Out 2000 Sessions Searching and vaccination – 2 nd day (2 members- 50 teams) Registration, Vac. Administration, Pasting household sticker 2000 searching event

Acknowledgement



Government of Bangladesh Ministry of Health and family Welfare



National Immunization program (EPI)

IEDCR



Dhaka North City Corporation

Dhaka South City Corporation



Non-government organizations

International Partners-

International Vaccine Institute



Gavi, the Vaccine Alliance



Bill & Melinda Gates Foundation



World Health Organization



UNICEF



Тиакичои!