6th GLOBAL TASK FORCE MEETING

CHOLERA PRESENTATION

MALAWI

26th September 2023

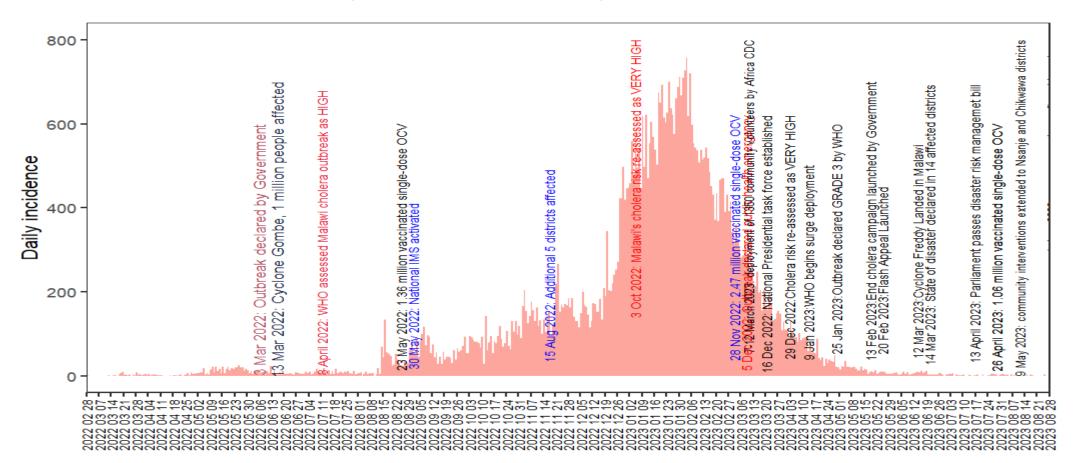
History of Cholera in Malawi

- Malawi's first cholera outbreak occurred in 1973, triggering a significant epidemic.
- Subsequent outbreaks of varying sizes have since occurred, with the highest reported cases during the 1998/99 and 2001/2002 rainy seasons, reaching 25,000 and 33,546 cases respectively.
- From 1998 onward, cholera outbreaks have become nearly an annual event in Malawi, spanning from November 1st to October 31st of the following year, often characterized by peak periods.

Daily incidence of cholera cases in Malawi, 28 Feb 2022 – 17 September 2023

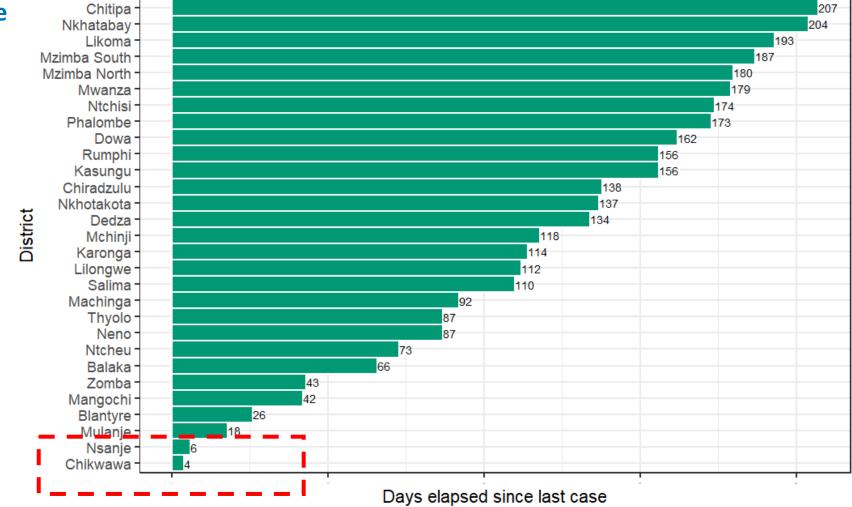
	ATIONAL 5K LEVEL	SCALE(GEOGRAPHICAL SPREAD)	SEVERITY	VULNELABILITY	POPULATION AT RISK	COPING CAPACITY	REPUTATIONAL RISK	GRADE
RISK		ONE OR MORE DISTRICTS	LOW	LOW	<0.01%	HIGH	LOW	1

CASES: 58 996 | DEATHS 1 768 | CFR:3.0%



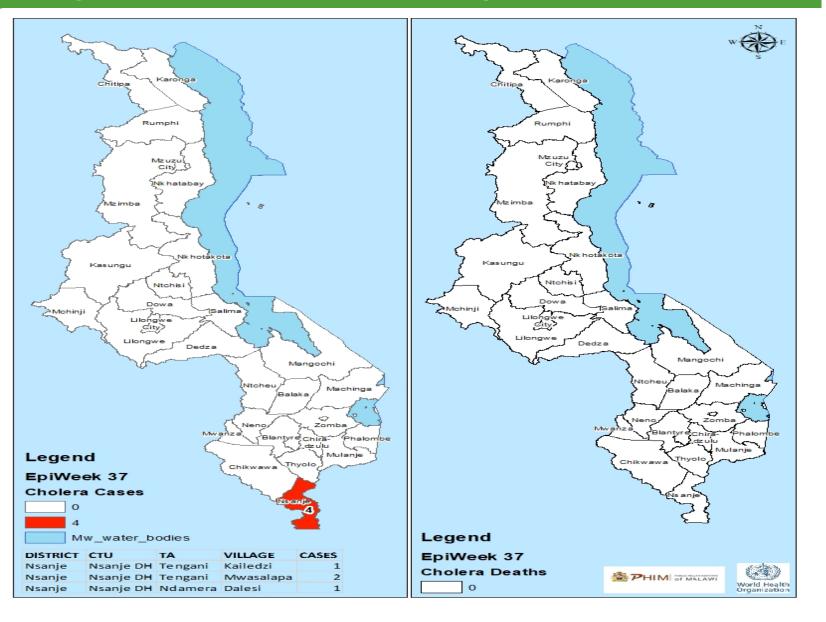
Districts reporting cases in Malawi in the past 14 days, 11 - 17 September 2023



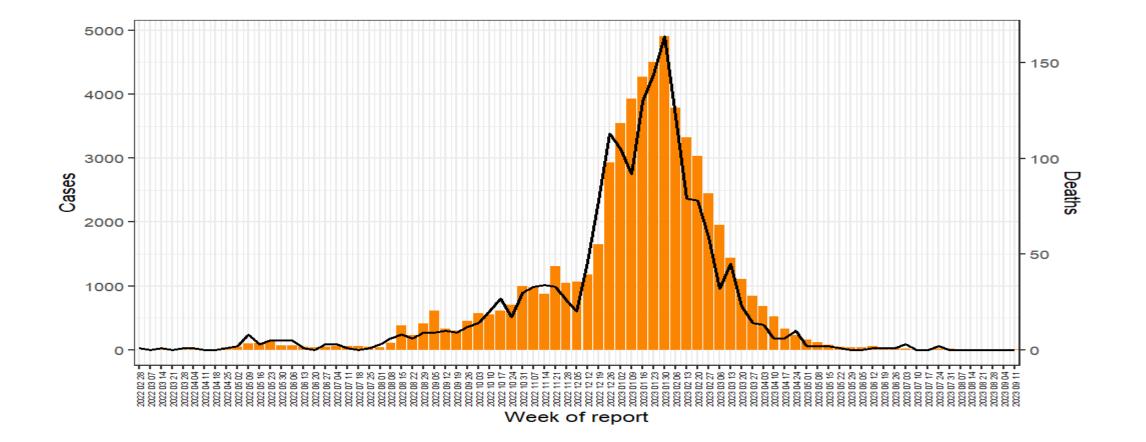


Districts reporting cases in Malawi, 04 - 17 September 2023

4 cases for Nsanje but no death



> While we had 7 new confirmed cases but zero deaths now 7 weeks



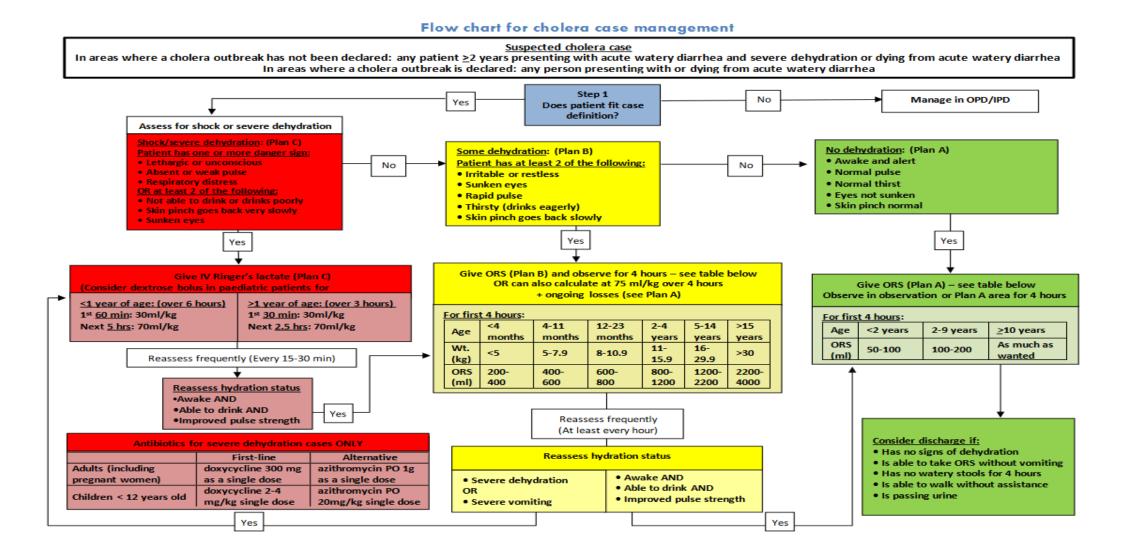
INTERVENTIONS FOR CHOLERA RESPONSE

- Surveillance and cross-border monitoring plus Lab strengthening
- Enhancement of Water and Sanitation activities
- Health Promotion activities plus RCCE "Tithetse Cholera campaign" with the State President Launch
- Immunization OCV vaccine

Reactive Campaigns

- The first campaign was conducted in May 2022 with overall coverage of 70 %.
- The second campaign was conducted from 7 November 2022 to January 13, 2023, with an overall coverage of 97.6 %.
- Another campaign was conducted in April to May 2023, with overall coverage of 74.5%.
- A recent OVC campaign was conducted, August 2023, with a overall coverage of 103%.

Clinical Case Management



Appendix 12. Admission and triage form

1. IDENTIFICATION

Patient name		Admission date:// Time::	
Age:years/months	Sex: pMole	of emale if female, any possibility of pregnancy? aNa aYes	
OCV received, pNo pYes	oDon't know	if yes, when?//	
Address		Clasest landmark.	

2. CLINICAL DATA - Please circle if the patient has any of the following and give the length of time in days

Watery stool xdays	Fever xdays	Bloody steel x <u>days</u>
Vomiting xdays	When was the last time	the patient vomit? <u>hours</u> ago
When did the illness start?/	/ When was the las	t time the patient urinated?hours ago
Any known contacts with anyone els-	s with similar symptoms	? 🗆 N o 🗆 Yes – Who?
Please list any other symptoms.		

3. PHYSICAL EXAM AND DIAGNOSIS

Donger signs	 D Lethorgic or unconscious D Absent of weak pulse D Respiratory distress 	a No danger signs	
Signa	o Not oble to drink or drinks poorly o Sunken eyes o Skin pinch goes bock slowly	o kritoble or restless o Suriosn eyes o Ropid pulse o Thirsty, drinks eogerly o Skin pinch goes bock slowly	o Acroke and alert o Normal pulse o Normal thirst o Eyes not surken o Skin pinch normal
Treatment Plan	If one or more danger signs OR ≥2 above are checked → Severe dehydration (Plan C)	If no danger signs AND ≥2 above are checked → Some dehydration (Plan B)	No dehydration (Plan A)

4. TREATMENT

	Severe dehydration (Plan C)	Some dehydration (Plan B)	No dehydration (Plan A)
Treatment	D IV fluids Ringer's loctate bolus <1 yn S0ml/kg in 60 min ≥1 yn S0ml/kg in 30 min Guantity:ml overmin DReassess after bolus If obsent/weak pulse-3 repeat bolus Guantity:ml overmin D IV fluids Ringer's Lactate bolus <1 year: 70ml/kg in 5 hours >1 year: 70ml/kg in 5 hours	 CRS 75ml/kg over 4 hours: Guantity:ml over 4 hours Zinc supplementation (20mg/day) in children 6 months - 5 years Reassess after OR8 Serrenz: Give IV fluids Some: Repeat OR8 amount No dehydration: Discharge with OR8 	C After each loose stool, give. Age (n vm) <2 2.9 ≥10 ORS SO- 100- As much (with 100 200 are (with 100 200 are (vented) C Zinc supplementation (20mg/day) in children 6 months - 5 years
Discharge instructions	Guantity:ml overhours a Reassess hydration after IV fluids -Severe: Repeat IV fluids -Some: ORS (see "Some" box) a Give antibiotics Drug & dose	Consider discharge if: - Has no signs of dehydrotion - Can take ORS without vomiting - No watery stools for 4 hours - Can walk without assistance - Is passing urine - Has been advised when to return to haspital/CRC - Health mesoaging completed	Before discharge, check following: a Health messaging completed a ORS given for home a Assure corregiver can correctly mix and give ORS without supervision

LABORATORY DATA:

 Steel sample taken? o No o Yes
 Date taken: __/_/___
 Choiere RDT result: o+ve o-ve o Not conducted

 Steel culture sent: oNo oYes
 Date steel culture sent: __/__/___

OUTCOME:

Date of outcome://	c:Discharged	oDead	cSelf-discharged	===Referred (where)	o Unione-m
Name of admitting clinician		Sign		Date:	_//

Appendix 12. Admission and triage form

1. IDENTIFICATION	
Patient name	Admission date:// Time::
Age:years/months Sex: DMak	e □Female if female, any possibility of pregnancy? □No □Yes
OCV received: DNo DYes Don't know	v if yes, when?//
Address:	Closest landmark:

2. CLINICAL DATA - Please circle if the patient has any of the following and give the length of time in days

Watery stool xdays	Fever xdays Blo	ody stool xdays
Vomiting xdays	When was the last time the pati	ent vomit?hours ago
When did the illness start?/	_/ When was the last time th	e patient urinated?hours ago
Any known contacts with anyone els	e with similar symptoms? 🗆 No 🗆 \	fes Who?
Please list any other symptoms:		

3. PHYSICAL EXAM AND DIAGNOSIS

Danger signs	Lethargic or unconscious Absent of weak pulse Respiratory distress	 No danger signs 	
Signs	 Not able to drink or drinks poorly Sunken eyes Skin pinch goes back slowly 	 Irritable or restless Sunken eyes Rapid pulse Thirsty, drinks eagerly Skin pinch goes back slowly 	Awake and alert Normal pulse Normal thirst Eyes not sunken Skin pinch normal
Treatment Plan	If one or more danger signs OR ≥2 above are checkedD Severe dehydration (Plan C)	If no danger signs AND ≥2 above are checked Some dehydration (Plan B)	No dehydration (Plan A)

4. TREATMENT

	Severe dehydration (Plan C)	Some dehydration (Plan B)	No dehydration (Plan A)
Treatment	IV fluids: Ringer's lactate bolus 1 4; 30ml/kg in 60 min 21 4; 30ml/kg in 60 min 21 4; 30ml/kg in 30 min GU494586666789 449666789 GU494586666799 449666789 GU494586666799 4496667899 GU494586666799 449667 GU494586666799 449667 Reassess hydration after IV fluids -Severe: Repeat IV fluids -Some: ORS (see 'Some' box) Give antibiotics Drug & dose	ORS 75ml/kg over 4 hours Quantity, over 4 hours Zinc supplementation (20mg/day) in children 6 months – 5 years Reassess after ORS	After each loose stool, give: Age (in arg) <2 2.9 ≥10 ORS 50- 100- (ml) 100 200 wanted
		-Severe: Give IV fluids -Some: Repeat ORS amount -No dehydration: Discharge with ORS	□ Zinc supplementation (20mg/day) in children 6 months – 5 years
Discharge instruction s		Consider discharge if: - Has no signs of dehydration - Can take ORS without vomiting - No watery stools for 4 hours - Can walk without assistance - Is passing urine - Has been advised when to return to hospital/CTC - Health messaging completed	Before discharge, check following: Health messaging completed ORS given for home Assure caregiver can correctly mix and give ORS without supervision

LABORATORY DATA:

Stool sample taken?
_ No._ Yes Date taken: __/__/ Cholera RDT result:
-+ve,
--ve,
Not conducted

Stool culture sent: Div Date stool culture sent: __/__/____

OUTCOME:

Date of outcome://Discharge	d Dead Self-discharged	Referred (where:) D Unknown
Name of admitting clinician	Signature:	Date://



Achievements

- Massive reduction in mortality rates
- Health workers are trained and equipped for case management
- Case management resource mobilization is streamlined

Community Case Management-Oral Rehydration Points

- Aim- The oral rehydration points were implemented as a key strategy to curb the high case fatality rate (CFR) during the 2022-2023 Cholera outbreak.
- The CFR remained at 3% which is higher than the recommended WHO CFR of 1%.
- **Case definition**-The definition of Cholera at the ORP is occurrence of 2 or more loose stools in 24 hours.
- All patients at ORP sites are deemed Cholera suspects as volunteers cannot diagnose Cholera patients.
- **Referral pathway-** Under five children, pregnant women, moderate as well as severe cases were referred to the CTU/CTC.
- All mild cases were managed at the ORP.
- ORP's are manned by community volunteers and directly supervised by the health surveillance assistant (HSA). ORP's fall under the case management pillar.
- **ORP kits-** All logistics covered by the partner. The ORP kit consisted of a minimum package of buckets, HTH, ORS, Aqua tabs, handwashing and washing soap, waste disposal plastic, PPE (gloves, heavy duty gloves, aprons, masks), cups, SOP/s and writing materials.

Pilot

- ORP's were initially rolled out in 10 high burden districts during the Cholera outbreak (January 25th- February 21st) 2023.
- As of now, there are over 270 ORP's that were implemented in 270 hotspots across 17 districts.
- Over 17000 patients have patronized the ORP's across the country.
- Swiss Red Cross, Malawi red Cross, Unicef, World Health Organization (WHO) and IsraAid were the main partners funding the implementation.

Methodology

- **Coordination** The national ORP technical working group (TWG) was constituted jointly by the WHO and MOH.
- Integrated work plan- All partners contributed to one action plan to avoid duplication. There was one database for ORP site and GPS coordinates.
- **Methodology** The method of implementation was to integrate the RCCE, WASH, Case management and IDSR components/pillars to ensure effective roll out of the ORP's.
- **Policy** The ORP national guidelines were drafted in February 2023 and were used to coordinate the effective roll out of the ORP's.
- **SOP'**s- SOP's and training materials were drafted.
- Ethics, Data management- The ORP data was collected using paper based data tools and then transmitted via Whatsapp and later on compiled into an Excel database. Other partners using mobile platforms-NYSS, Monday to manage data. Privacy and confidentiality were maintained.

Methodology/implementation

- Data on disease burden and case fatality rate was collected from the national surveillance team.
- High burden districts were selected.
- District environmental officers (DEHO) were contacted and Cholera data reviewed through the IDSR focal point.
- Hotspots were selected together with the districts.
- 4 Volunteers, 2HAS's and 2 village chiefs were selected to be trained in ORP.
- 4 district officers were co-opted to be part of the facilitators.
- A 2 day training was conducted where village chiefs were tasked to select ORP sites.
- The third day consisted of deploying of the ORP kit, site inspection as well as on job mentorship. GPD coordinates were also collected.

Challenges

- ORP kits- the kit is expensive and the exercise was donor driven.
- Incentives during training- there were challenges in providing the lunch allowances to district teams, this affected the implementation as other teams resorted to holding data so as to force the partners to pay them.
- Lack of a salary/incentive- While the Red cross volunteers were offered allowances, the other volunteers were on full voluntary basis (had t-shirt and bag as incentive). This created a lot of discrepancies and affected work at ORP sites including some volunteers dropping off.
- Data management- While data collection tools were manual, the data needed to be transmitted to the national level in parallel to the main reporting systems (IDSR/DHIS2) as this was symptomatic data. Most ORP sites did not have tablets or phones to capture the data in real time and relied on a picture of the form or SMS message to transmit information. This has limited the data collection process

Recommendations

- To conduct supervision and mentorship.
- To conduct a preparedness survey.
- Digital health platform for data management of symptomatic patients.
- To integrate ORP's in the health services at primary level as a mainstay intervention at community level.
- To identify regular funding for the ORP program.

Challenges

- Inadequate resources for case investigations, actual management and follow up
- Inadequate resources for daily reporting such as bundles, airtime
- Discrepancies in the reported cases and those available on the line list
- Inadequate skills for data management including analysis, the case of ORP

Way forward

- Allocation of resources for case investigation and contact tracing
- Strengthening data management for decision making
- Continue with ORPs
- Monitor continuous utilization of Chlorine in all water points
- Continue with Health promotion activities including addressing issues of water and Sanitation plus early health seeking



Next steps

- Preparing for the upcoming cholera season through:
 - Lobbied for political commitment and support-Presidential launch 24th October 2023 at an Island Likoma.
 - Strengthen emergency preparedness and preventive activities for Cholera
 - Continue with community case management through ORP
 - Put up an application for OCV preventive campaign
 - Lab based surveillance for Cholera (cultures) while maintaining RDTs

Partners support

- MINISTRIES AND DEPARTMENT OF THE MALAWI GOVERNMENT
- WHO
- UNICEF
- CDC
- USAID
- RED CROSS SOCIETY

THANK YOU