

Date: March 21, 2023

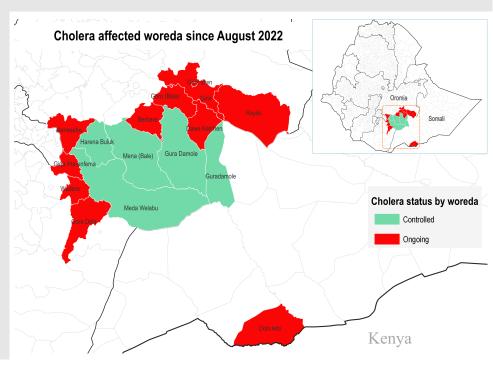
Epi-week 11 2023

Volume 132

### Highlight

- Active cholera outbreak has occurred in 20 woredas in Oromia (16) & Somali (4). In Oromia, Affected woredas are Harena Buluk, Berbere, Gura Damole, Meda wolabo, Goro/Bale Zone, Girja & Wadera, Goro Dola /Guji zone, Nensebo/West Arsi), Dawa Kachen Ginir, Ginir town, Raitu & Lege Hida (no more case beyond 1 case)/East Bale, Moyale(waiting for report)/Borona. In Somali regions, affected woredas are Kersadula, Guradamole/SML, Dolo Ado in Liban & Moyale/Dawa zone. All woredas are neighboring woreda each other. 177 kebeles are cholera outbreak affected from 20 woredas. The outbreak is controlled in some woredas in both region, but they are at high risk due to being adjacent. The Index case was from Harana Buluk, August 27, 2022 & the first outbreak was confirmed (4 from 5 were culture positive) on Sep 9, 2022. Cholera outbreak is also reported from IDP (191 reported) & no new case from IDP.
- A Total of 2171 cases ( 1881 Oromia region & 290 Somali region)
- 78 new cholera cases (Dawa Kachen=10, Ginir=6, Raitu=4, Goro Dola=9, Wadera=37, Moyale=8, Moyale/SML=1). 4 new death. No new case from other affected woredas in both region. Cumulative AR is 120.8/100,000 ARP) & 48 death with cumulative CFR of 2.21%. Among 48 deaths, 31 were from Oromia & 17 were from Somali (13 deaths were from Guradamole/SML). Among all death, 40 cholera died cholera patients were not vaccinated by OCV.
- Totally 22 CTCs have been established in Oromia (18) & Somali (4). CTC in Berebere =3, Harana Buluk =2, Dolo Mena =1, Gura Damole/ORM=1, Girji/ORM=1, Goro=1, Nensebo=1(Not fulfil the standard), Ginir=1, Ginir town=1, Dawa Kachen=1, Goro Dola=1, Kersadula=2, & Guradamole/SML=2 and Dolo Ado=1, Wadera=1, Raitu=1, Moyale/ORM=1, Moyale/SML=1].
- Current water supply coverage of cholera outbreak affected woredas in Oromia and Somali regions is low. Cumulative 124 water samples are tested by EPHI/UNICEF. Six EMWAT kits were installed on prioritized cholera affected woredas (WaSH cluster). 835 M3 water is trucked in last week. One water tanker deployed for 600 HH. 249 M3 Water was trucked. 70,0000 aqu tab and 1,200,000 water purification is distributed for cholera affected/risk woredas. 1 new EMWAT kit is established in Dawa Kachen.
- With limited OCV dose, Ethiopia cascaded campaign on prioritized IDP sites and kebeles having highest case load with limited WaSH of 2 woredas (Goro & Berbere), Oromia. Oromia vaccinated 76,226 (99.8%) from Jan 13-21, 2023. Somali (Dolo Ado & Bokollmanyo) vaccinated 24,487 (100%) from Feb 22-30, 2023. National coverage = 99.83%/100,713.
- Cholera outbreak affected woredas, zones, and regions are under strong follow up with initiation of active case searching, sending alert letters, distributing daily cholera and weekly bacterial disease SITREPs.

- Mandatory zero report is being enforced at all kebele in cholera outbreak affected and their adjacent woredas
- National cholera outbreak RRT is deployed in both regions. National partners and their field
  offices deployed. Regional/zonal/woreda RRT is deployed in both regions of cholera affected
  woredas and drought affected zones. One more national RRT is deployment will arrive March
  13/14, 2023 at Goro, Bale, Oromia in the need of quick outbreak investigation and response.
- UNICEF supported 10 CTC & WaSH for Oromia on March 13/14, 2023. WHO & UNICEF prepositioned logistics to Moyale in both regions. EPHI (collaboration with EPSA) delivered cholera case management logistics for cholera affected woredas, East Bale, Oromia region following their request to fill critical shortage and transported on March 11, 2023 to Bale & East Bale zones





Cumulative cholera case (#) since August/27/2022

2171

Cumulative severe dehydration patients (#)

1211

Cumulative cholera attak rate per 100,000 at risk population

93.7

Cumulative cholera patient died (#)

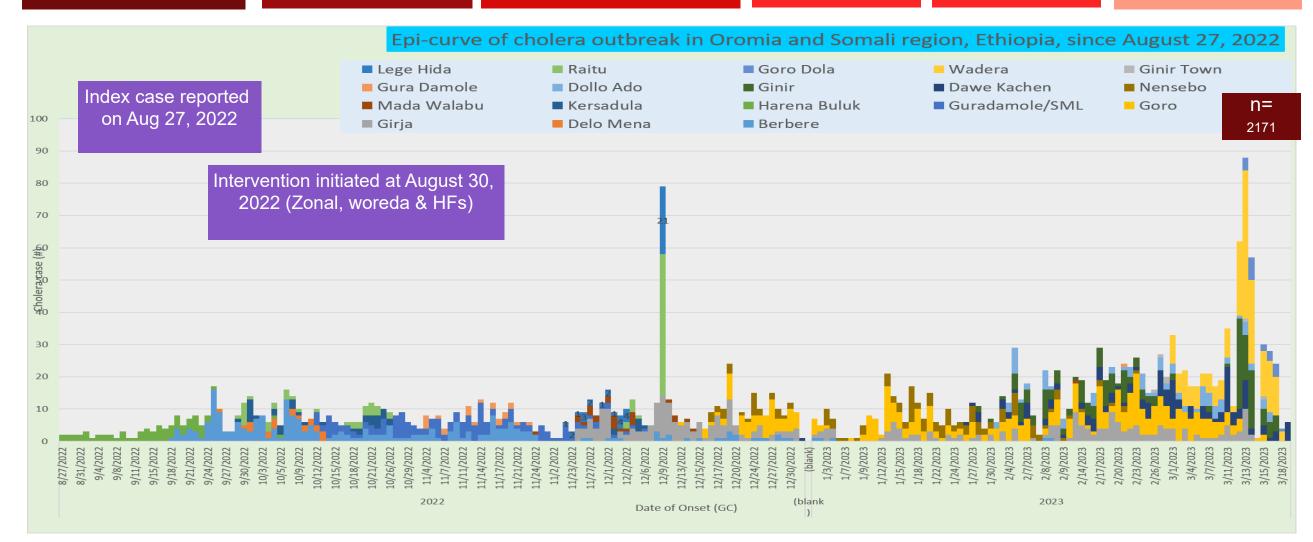
48

Cumulative cholera CFR (%)

2.21

New cholera cases (#) of week 12 (2023)

7



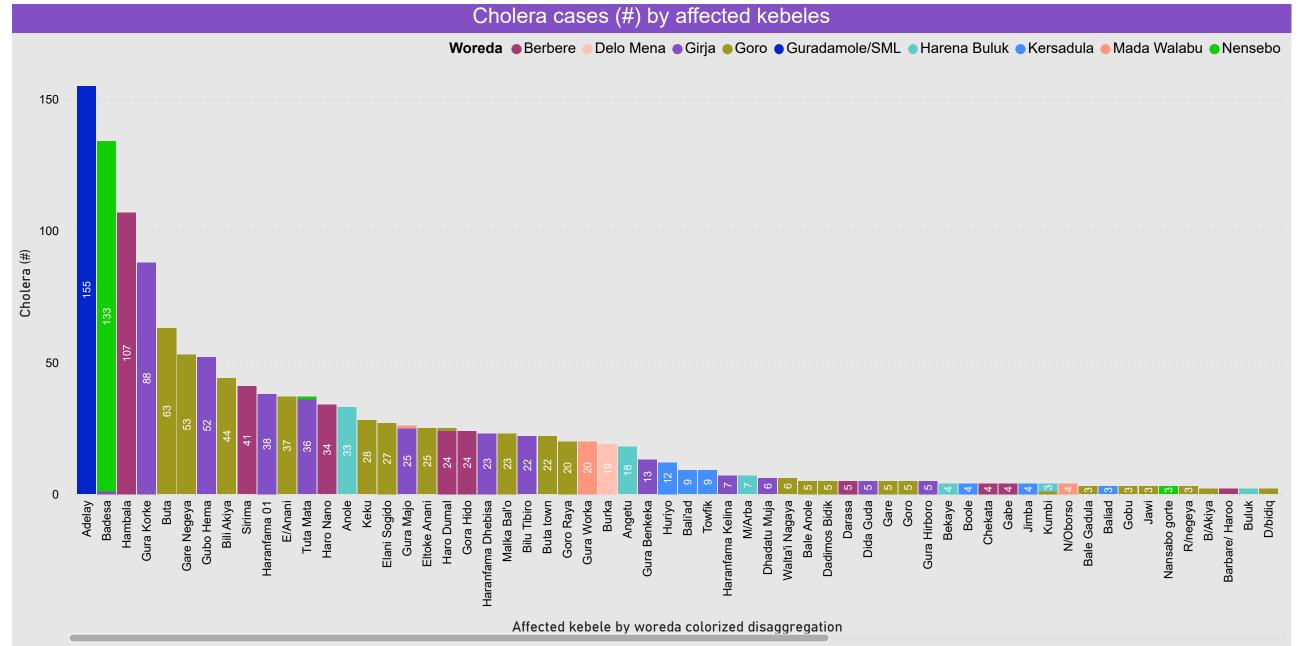


			Epide	miol	ogy of c	holera	case	with its ou	tbreak sta	tus, Oron	nia and Somal	i regions,	Ethiopia,	since	Aug	ust 27,	2023		
Reagion	Zone	Woreda	Popu (#)	Chol era case	Death by Cholera #	cAR/10 00 00 ARP	cCFR (%)	Date of onest	Last date of report	This date	Outbreak duration (Green days<28)	Days (#) reporeting zero case	Outbreak status	New case (#)	New deat h (#)	Wk12 2023 case #	Wk12 2023 death #	Wk12 2023 AR/100,000 ARP	Wk12 2023 CFR (%)
Oromia	Bale	Berbere	129115	247	5	191.3	2.0	9/18/2022	2/10/2023	3/21/2023	145	39	Ongoing	0	0		0 0	0.0	0
Oromia	Bale	Delo Mena	129276	22	2	17.0	9.1	9/26/2022	10/14/2022	3/21/2023	18	158	Controlled	0	0		0 0	0.0	0
Oromia	Bale	Goro	116031	405	4	349.0	1.0	11/24/2022	3/15/2023	3/21/2023	111	6	Ongoing	2	0		0 (	0.0	0
Oromia	Bale	Gura Damole	41090	23	0	56.0	0.0	12/13/2022	3/12/2023	3/21/2023	89	9	Ongoing	0	0		0 (	0.0	0
Oromia	Bale	Harena Buluk	116031	71	1	61.2	1.4	11/4/2022	11/22/2022	3/21/2023	18	119	Controlled	0	0		0 (	0.0	0
Oromia	Bale	Mada Walabu	137987	27	0	19.6	0.0	8/27/2022	10/6/2022	3/21/2023	40	166	Controlled	0	0		0 (	0.0	0
Oromia	Borena	Moyale	311469	8	0	2.6	0.0	2/28/2023	3/20/2023	3/21/2023	20	21	Ongoing	8	0		2 (	0.6	0
Oromia	East Bale	Dawe Kachen	43568	145	4	332.8	2.8	1/26/2023	3/19/2023	3/21/2023	52	2	Ongoing	10	0		6 (	13.8	0
Oromia	East Bale	Ginir	172959	182	8	105.2	4.4	1/28/2023	3/17/2023	3/21/2023	48	4	Ongoing	6	0		0 0	0.0	0
Oromia	East Bale	Ginir Town	55379	6	0	10.8	0.0	2/26/2023	3/15/2023	3/21/2023	17	6	Ongoing	0	0		0 0	0.0	0
Oromia	East Bale	Lege Hida	83904	1	0	1.2	0.0	3/12/2023	3/13/2023	3/21/2023	1	8	Ongoing	0	0		0 0	0.0	0
Oromia	East Bale	Raitu	49943	35	0	70.1	0.0	3/13/2023	3/18/2023	3/21/2023	5	3	Ongoing	4	0		0 0	0.0	0
Oromia	Guji	Girja	70822	330	5	466.0	1.5	11/25/2022	3/16/2023	3/21/2023	111	5	Ongoing	0	0		0 0	0.0	0
Oromia	Guji	Goro Dola	79720	22	0	27.6	0.0	3/12/2023	3/18/2023	3/21/2023	6	3	Ongoing	9	0		0 0	0.0	0
Oromia	Guji	Wadera	68592	218	1	317.8	0.5	3/1/2023	3/19/2023	3/21/2023	18	2	Ongoing	38	0		0 0	0.0	0
Oromia	West Arsi	Nensebo	197753	139	1	70.3	0.7	12/17/2022	2/25/2023	3/21/2023	70	24	Ongoing	0	0		0 0	0.0	0
Somali	Dawa	Moyale	271709	1	0	0.4	0.0	3/20/2023	3/20/2023	3/21/2023	0	1	Ongoing	1	0		1 (	0.4	0
Somali	Liban	Dollo Ado	123318	90	2	73.0	2.2	2/2/2023	3/16/2023	3/21/2023	42	5	Ongoing	0	0		0 0	0.0	0
Somali	Liban	Guradamole/SML	56815	155	13	272.8	8.4	10/12/2022	12/6/2022	3/21/2023	55	105	Controlled	0	0		0 0	0.0	0
Somali	Liban	Kersadula	62000	44	2	71.0	4.5	9/29/2022	12/7/2022	3/21/2023	69	104	Controlled	0	0		0 0	0.0	0
Total	Total	Total	2317481	2171	48	93.7	2.2							78	0		9 (	0.4	0

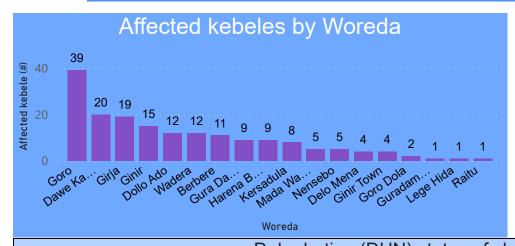
# Note

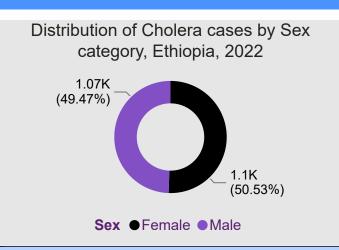
• Outbreak is spreading to adjacent district



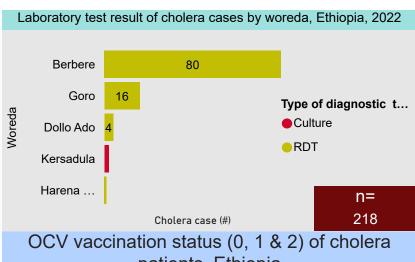


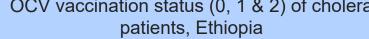


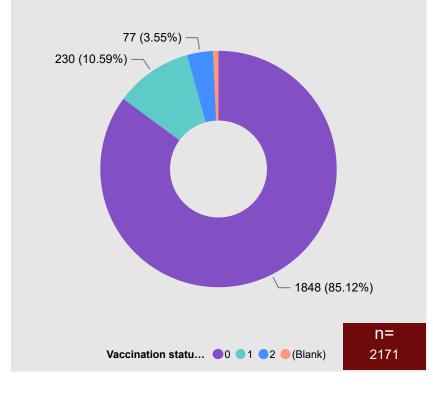




	Dehydration (DHN) status of cholera patinets											
Region	Zone	Woreda	Case (#)	Severe DHN (%)	Some DHN (%)	No DHN (%)						
Oromia	Bale	Berbere	247	53.44	29.55	17.00						
Oromia	Bale	Delo Mena	22	63.64	9.09	27.27						
Oromia	Bale	Goro	405	71.85	20.99	7.16						
Oromia	Bale	Gura Damole	23	52.17	13.04	34.78						
Oromia	Bale	Harena Buluk	71	73.24	14.08	12.68						
Oromia	Bale	Mada Walabu	27	51.85	37.04	11.11						
Oromia	Borena	Moyale	8	75.00	25.00	0.00						
Oromia	East Bale	Dawe Kachen	145	61.38	0.00	0.00						
Oromia	East Bale	Ginir	182	69.78	30.22	0.00						
Oromia	East Bale	Ginir Town	6	50.00	50.00	0.00						
Oromia	East Bale	Lege Hida	1	0.00	100.00	0.00						
Oromia	East Bale	Raitu	35	48.57	40.00	11.43						
Oromia	Guji	Girja	330	54.24	29.09	16.67						
Oromia	Guji	Goro Dola	22	59.09	18.18	22.73						
Oromia	Guji	Wadera	218	45.41	19.27	35.32						
Oromia	West Arsi	Nensebo	139	30.94	47.00	33.81						
Somali	Dawa	Moyale/SML	1	0.00	100.00	0.00						
Somali	Liban	Dollo Ado	90	40.00	56.67	3.33						
Somali	Liban	Guradamole/SML	155	46.45	45.16	8.39						
Somali	Liban	Kersadula	44	27.27	59.09	13.64						
Total	Total	Total	2171	55.78	30.08	14.14						

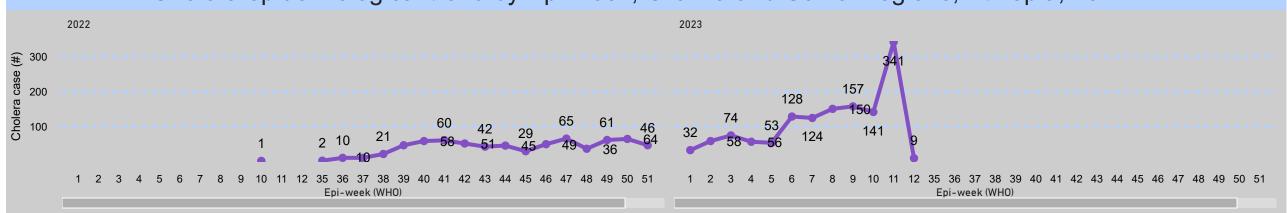


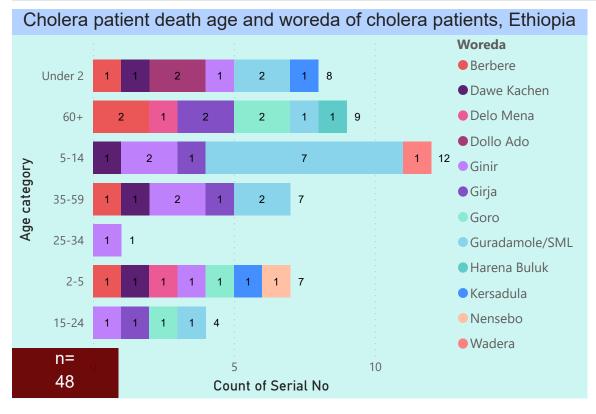


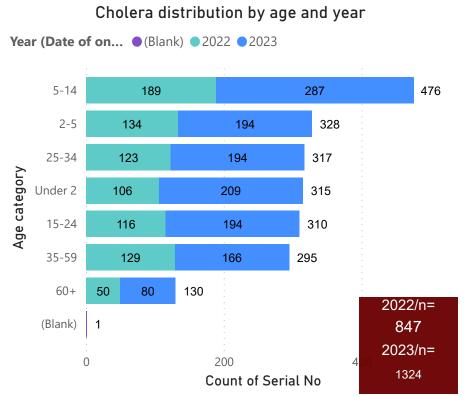








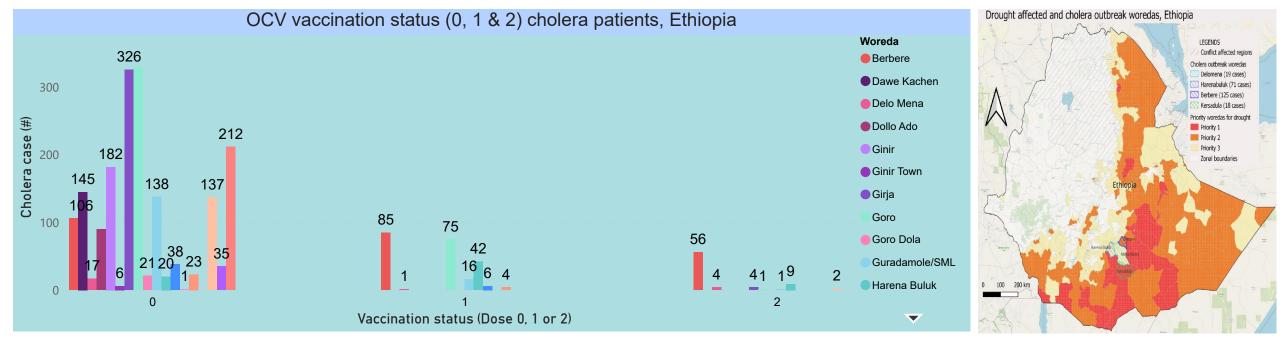


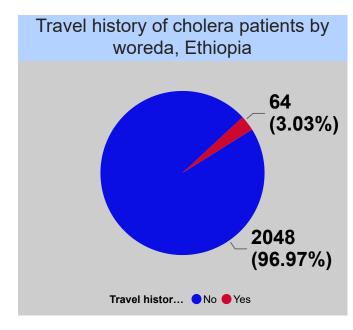


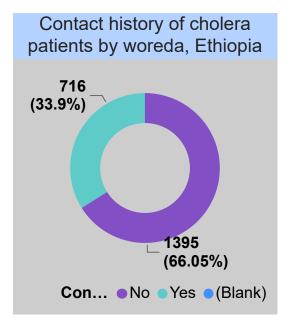
# Summery on cholera patient death by age

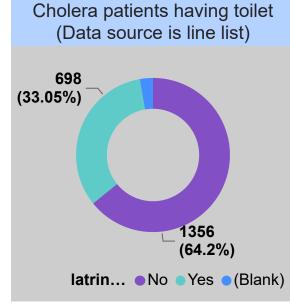
- 7 2-5 aged cholera patients died
- 8 under two cholera patient was died
- •13 under five children were died
- Twelve 5-14 aged children were died
- 26 (54.2% among all death) under 15 aged children were died

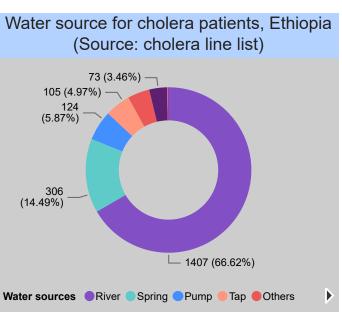














Region	Woreda	Water points	New water	Woreda Water	Schemes (including	EMWAT kits	Water trucking	Aqua tabs	Rotto 5000L	Jerryca ns			Sample tested	permane net	Emerge ncy		Body soaps	Soap distribu		Training for		Buckets distribut	Hygien e
		maintai	points	office	water	installed	reached	distribut	installe	distribu	basins	for	Bacteri	common	commo	latrines	distribute	ted (#)	HCs	HEW&com	NFIs	ed (#)	educate
		ned (#) by	(Spring) establish	capacitate d (#) by	trucks) disinfecte	(#) by UNICE	populatio n (#)	ed (#) by		ted (#) by SCI,	distrib uted	Physico -	ological tes (#)	Latrine building	n Latrine	(Goal) (#) by	d (#) by by	(SCI, UNICE		munity&reli gious	# (UNIC	SCI, LWF	d populati
		ÚNICE	mnet (#) by WVI	UNICEF	d (#) by UNICEF	F	(UNICEF	ÚNICE F, SCI,	& UNICE	IŘC	(#) by IRC,	chemica	by UNICE	(#) by	building	ÚNICEF, WVI,	ÚNICEF, SCI, IRC	F, IRC)	EF	. ()	ÈF)		on (#) UNICE
		Γ	by WVI		UNICEF		,	IRC	F)		SCI	I (#) by UNICEF		UNICEF, WVI, GOAL	` '	GOAL	JOI, IRC			UNICEF			F/LWF
Oromia	Berbere	12		7	41	1			3	57000	500	3	19	3	19	9		102000		195		500	
Oromia	Dalo Mena		1	10	8	1			2	300		3	14	3	5	7	3750	3750					
Oromia	Dawa Kachen				1	1	330	105000		400							400	400	74				1500
Oromia	Ginir						330	105000		400							400	400	74				1500
Oromia	Girja							163660	12	3000							20000	59000					43000
Oromia	Goro		1			1																	
Oromia	Guradamole/ORM		2	2	3				4	500	500	2	8					10000				500	
Oromia	Harena Buluk		2	7	30	1			3			2	8	3	5	5							
Oromia	Medawolabo							48000	2							5							
Oromia	Nensebo							139000		3000								1200					
Somali	Dolo Ado																		54	105			
Somali	Guradamole/SML	2				1	26717									10					59010		59010
Somali	Kersadula	1					8100									10					7800		29690
Total	Total	15	6	26	83	6			26	64600	1000	10	49	9	29	46	24550	176750	746	195	66810	1000	134700

			Week	dy suppor	t for ch	olera out	break res	ponse (UNIC	EF repo	rted con	npiled re <sub>l</sub>	port)					
Region	Zone •	Woreda	Water Trucking	Aqua tabs	Bucket	Jerry Can	EMWAT Kits	Multipurpose Soaps	Pool tester	Sprayer	HTH 70% chlorine	Water Schemes disinfected	Purification Sachet	Disinfection training	Collapsable Bladder	AlumuniumSu Iphate	Beneficiary
Somali	Liban	Dollo-Ado													2		850
Somali	Liban	Goradamole															7488
Somali	Liban	Grabakaksa															4793
Oromia	East Bale	Dawe Kechen					1		15						2	20	1449
Oromia	East Bale	Ginir Ginir town Lega Hidha and Dawe Kechen		700000	2000	2000				40	10		1200000				
Somali	Dawa	Hudet	20														2600
Somali	Dawa	Moyale	80														3264
Oromia	Borena	Moyale						40000									
Oromia	Bale	Goro	117									2		2			2136
Oromia	Bale	Meda Walabu	132														2482
Total			249	700000	2000	2000	1	40000	15	40	10	2	1200000	2		20	25062



### Coordination for cholera outbreak intervention activities

- Coordination meeting (national TWG 2/week, regional TWG/week & Woreda TF/day)
- Orientation is given to TF & TWG
- · Daily coordination meeting is ongoing (as report of woredas)
- Daily line list reporting (from both Oromia & Somali regions)
- Alert letter is sent to neighboring regions
- Training is provided to 746 HCWs in oromia & Somali regions
- Cholera kit, medical supply, equipment & WaSH materials were supported (EPHI, RHB, WHO, UNICEF, GOAL, World Vision, Save the children)
- Daily TF meeting with daily sharing of minutes (Kersadula)
- National RRT is deployed in for all cholera outbreak affected woredas, zones & region

### PARTNERS SUPPORTING CHOLERA RESPONSE

- · Oromia Region: WHO, UNICEF, GOAI Ethiopia, FIDO, Red cross (IFRC & ERRCS) & Government
- Somali region: WHO, MSF-Holland, UNICEF, Save the children, CARE, Pastoralist concern, Islamic relief agency

### RCCE for cholera outbreak intervention activities

- Adopted local language cholera prevention & control messages, and disseminated at at different marketplaces, Schools different community gatherings cars, religious leaders & community leaders (Aba Gedas)
- · One mobile Van is in use
- Health education is providing at religious, community and HFs
- Guideline, posters, job aids are delivered to HFs
- Social mobilization by Megaphones

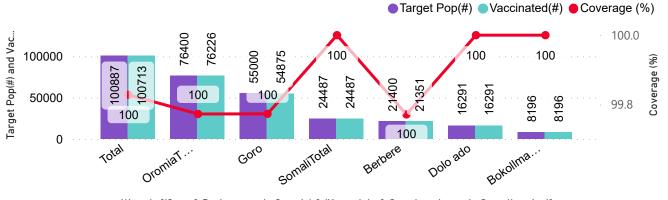
### Surveillance for cholera outbreak intervention activities

- A surge team is redeployed from EPHI, RHB, WHO & UNICEF, MSF-H, GOAL, IRC. SCI, Care, Islamic relief and Pastoralist concern
- · Case definitions are printed and distributed for HFs
- Ongoing house to house active searching, contact tracing and disinfection & senstization
- Conducted investigation in Dolo Ado (Somali) and Goro (Oromia)
- RRT alert and rumor investigation at woreda level
- Verifying cholera rumors from drought affected areas

### OCV

- New OCV request is submitted to ICG on March 6, 2023 for cholera affected and their high risk adjacent woredas
- ICG requested queries addressed resubmission done on 22 November 2022
- ICG team, WHO & EPHI discussed on reactive OCV request of 2,000,466 dozes to stop further spread
- OCV is approved by ICG (86,910). Approved OCV is delivered to Ethiopia on December 20, 2022 and EPSA is conducting customs clearance. OCV campaign conducted to January 13-19, 2023 in prioritized (by considering limited OCV dose & security to cascade campaign) woredas of Oromia region. Somali region (Dolo Ado & Bokollmayo woredas) started on Feb 22, 2023.

# Seventh day OCV vaccination by woreda (selected IDP sites & Kebele) in Oromia & Somali regions, Since Jan 13, 2023



Woreda [(Goro & Berbere are in Oromia) & (Kersadula & Guradamole are in Somali region)]



### WaSH Cholera outbreak intervention activities

- · Hygiene and sanitation materials were distributed
- latrines were built and utilization monitoring is done, and ongoing
- · Water treatment chemicals were distributed
- Water schemes maintenance and water trucking is done, and it is ongoing
- Water schemes disinfection is done and ongoing
- Water points were established
- · Six EMWAT kit is installed

Note: details are on two pages back

# Case management for cholera outbreak intervention activities

- Totally 22 CTC have been established in Oromia (8) & Somali (3). CTC in Berebere =3, Harana Buluk =2, DoloMena =1, Gura Damole/Oromia=1, Girja & Wadera (new affceted)/Gurji=1, Goro=1, & Nensebo=1 (Not fulfill the criteria), Ginir=1, & Dawa Kachen=1, Ginir town=1, Goro Dola=1 & Moyale=1 in Oromia region. Kersadula=2, & Guradamole/Somali=1, Dolo Ado=1 & Moyale=1 in Somali region.
- · All kebeles of in 9 woredas have established ORP and functioning
- · Household disinfection being done in integration with contact tracing team
- Onsite capacity building being given by the deployed RRT
- Case management officers have been oriented on job by the deployed RRT
- Line list included nutritional variables
- MSF-H is supporting case management, standardizing CTC and train HCWs of case management

### Logistics for cholera outbreak intervention activities

EPHI in collaboration to sub-national and partners is responding for cholera outbreak New support:

- EPHI (EPSA) supported cholera case management logistics for East Bale, Oromia (Antibiotics/900, glove, ORS/15000, IV fluid/300 Analgesic/2 pack100 NG tube/825, Syringe and IV canula and transported on March 11, 2023 with covering transportation cost
- WHO supported ORS (8000), fluid (240), Investigation kits (105 for SNNP, SWEPR, Somali & Oromia), cholera kits, Community based ORP (3), and peripheral (3)
- WHO dispatched logistics package to Goro, Ginir and Dawa Kachen with its 270,000 transportation cost
- WHO dispatched cholera investigation and community kits to Moyale for cholera readiness from WHO warehouse.
- UINCEF supported CTC (10) for Oromia region (For East bale and high risk woredas)

Preparedness for cholera outbreak in Doloado/Somali which is adjacent to Mendera county/Kenya

### WHO

 WHO has prepositioned emergency supplies at Dollo Ado for one month and more and working to deploy WHO surge team from the region asap (today or tomorrow). WHO officers at Dollo Ado are supporting cholera preparedness and response coordination meeting and strengthening surveillance. Moreover, we have identified the supplies being mobilized to the region during the last cholera outbreak and checking what we have at RHB stock & then to mobilize upon the request to fill gaps.

#### WASH cluster

- WASH NFI have been prepositioned
- Regional level WASH cluster meeting will be held tomorrow
- Reached out to WASH partners present in the area to support UNICEF SBC:
- Funds are being released from UNICEF to RHB for SBC activities

#### **UNICEF Health**

- CTC cholera kit prepositioned with Save the Children in Dolo Ado
- Five more CTC kits and one more IEHK kit to support case management
- Engaged save the children on case management (Operation support for CTC)

#### **UNICEF Nutrition**

 Nutrition supplies (RUTF, Therapeutic milk) are propositioned for treatment of SAM cases that might be admitted in the health facilities

	UNICEF availed at Dolado/Somali	
0.	Item Description.	Somali - JAN 2023
27	Body soap, bar of 250g ( available 75 gm)	1000
19	Boots, rubber, size 39 (pair)	25
20	Boots, rubber, size 42 (pair)	50
3	CTC beds ( available size 190 X 80 X 60)	50
21	Disinfectant - for cleaning/sterilizing (5% chlorine sol, 30L)	10
15	Dustbin, plastic	15
	Fencing rope (bright colors if possible), roll 200m	5
23	Heavy duty rubber gloves (not disposable), per pair	50
14	Jerry can (20L)	50
24	Ladle, 250ml, Aluminum	50
26	Laundry soap, powdered, carton of 100g ( available 90gr /CAR)	500
18	Medical gown/ Fabric	50
17	Plastic apron	50
12	Plastic basin, for clothes washing ( available 45 cm Diameter )	50
16	Plastic broom, for cleaning	20
11	Plastic bucket (30L), with lid	25
-	Plastic bucket BLUE (15L), with lid	75
10	Plastic bucket GREEN (15L), with lid	75
8	Plastic bucket RED (15L), with lid	75
25	Plastic cup, 300 ml ( available 250 ml)	250
	Plastic Sheet (4x50 m) or equivalent ( with UNICEF Logo)	5
5	Plastic sheet (4x6 m) or equivalent ( with UNICEF Logo)	100
28	Sprayer - large ( 16 lt. capacity	10
7	Stretchers	10
2	TENT,RECTANGULAR,24M <sup>2</sup>	5
1	TENT,RECTANGULAR,56 sq M	5
	Water container BLUE (30-40L) with tap for hand-washing (available GREEN)	30
22	Woolen mat, for footbath	



### Major gaps & challenges cholera outbreak control

- OCV dose shortage for affected woredas and escalating outbreak
- WASH challenged especially low access to safe water, low latrine coverage, open defecation
- · Community markets are operating increasing risk of spreading
- High risk of spreading further in IDPs (Dolo Mena, Kersadula & Guradamol, insecurity induced)
- More than 56% cholera case severely dehydrated due to poor health care seeking behavior
- Insecurity in both Oromia and Somali region affects field response operations
- Population movement due to drought, insecurity increase risk of spread to neighboring woredas
- Delay of information when emerging Epi-centers/Line list & alerts
- In adequate operational costs, shortage of water, RCCE printed materials, shortage of mobile van, shortage of vehicle for active case search and household spray, gap in capacity is among observed challenge

### Prioritized next actions to control cholera outbreak

- Deploy addition RRT to cholera affected woredas in Oromia region (to answer why cases upsurge).
- Distribute CTC for Oromia region for cholera affected woredas and cholera outbreak very high risk drought affected zones
- Prepositioning cholera outbreak response logistics for regions (SNNP, SWEPRs &
- Conduct national review meeting on cholera outbreak response and control performance by inviting regional health bureau heads, water bureau heads, zonal health & water health department heads, regional/zonal/woreda PHEM coordinators in the presence EPHH DG and national relevant partners country directors
- Activation of EOC at EDRMC office for multisectoral drought/cholera
- Following submitted OCV application for ICG considering escalation of cholera outbreak in Somali and Oromia regions
- Interaction review- follow up with, director of Recovery and Resilience directorate
- To strengthen regional engagement, ensure participation of regional PHEM coordinators (Oromia, Somali and SNNP) for national TWG meeting
- Assessment of access to water and water flow map in cholera affected woredas is crucial for effective preparedness and response.
- $\bullet$  Provide training for CTCs and woreda health staff, RRT, cholera epidemic committee/CEC
- WASH cluster and Ministry of Water with EPHI requested to conduct assessment.
- Conduct cholera risk assessment in the context of current cholera transmission dynamics and drought situation in Somali, Oromia, SNNP and SWER and strengthen preparedness, enhance surveillance and preposition of supplies.
- Strengthen active case searching and contact tracing of cholera cases
- WHO to engage Health cluster to be part of TWG/ cholera coordination platform
- WHO, Africa CDC to support cross border meeting with Kenya
- Strengthen support for daily update from all health structures and provide evidence based feedback
- Strengthen national TWG meetings twice a week on Tuesday from 11:00 am to 12:00 noon and on Friday from 10:00 am to 11:00 noon with sharing its minutes and cholera daily SITREP



### Disclaimer

- This cholera daily SITREP is produced based on the line list/figures/task force minutes reported from the regional (Oromia & Somali) Public Health Emergency Management.
- This daily base cholera outbreak SITREP is published by bacterial disease surveillance and response case team in Disease and health events surveillance and response directorate, Ethiopian public health Institute/EPHI, Public Health Emergency Management (PHEM). The aim of this SITREP is to inform decision makers in the institute/FMOH, UN agencies and NGOs about outbreaks.

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