



# Situation Report for Acute Watery Diarrhea/Cholera

Epidemiological Week 50 (10 - 16<sup>th</sup> Dec 2018)

## HIGHLIGHTS

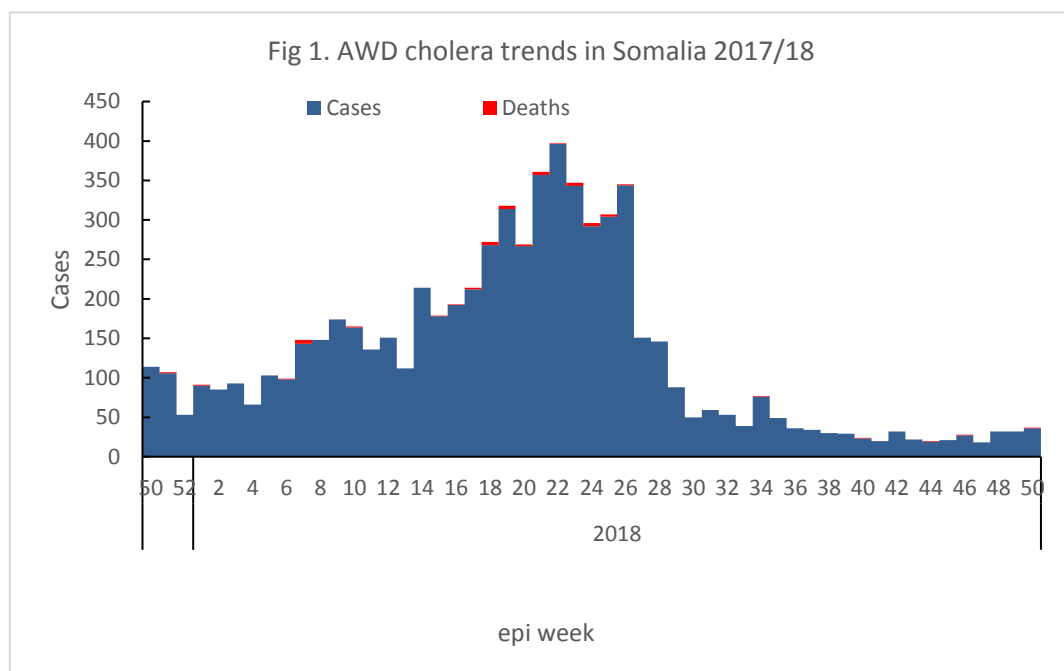
- A total of 36 new cases of AWD/cholera were reported in week 50 compared to 32 cases week 49
- 1 new death was reported in week 50
- A cumulative total of 6,705 cases including 46 deaths have been reported since December 2017 from 5 regions
- The cholera outbreak has been contained in 4 regions, however active transmission is still in Banadir region

## KEY FIGURES

- 36 new cases with 1 new death in week 50
- 58% of the new cases were female
- 61% of the cases were 5 years and below
- Cases reported in week 50 did not received cholera vaccine in 2017/2018
- A total of 23 districts in 5 regions have reported cholera cases since the start of the outbreak
- 6,705 cumulative case including 46 deaths since December 2017 (CFR 0.7%).

### AWD/Cholera situation in Somalia

The current cholera outbreak started in Beletweyne in Hir-Shabelle state in December 2017. This followed heavy rains that caused flash floods and contamination of water sources in the state. The outbreak spread down the river to Middle Shabelle, Kismayo and capital Mogadishu. There has been a decline in the number of AWD/Cholera cases reported from the peak of 396 in week 23 to 36 cases in week 50 (fig 1).



The cholera outbreak been contained in Middle Shabelle, Kismayo and Hiraan (table 1) due to the implementation of Oral Cholera Vaccination (OCV) in these areas and other interventions, however active transmission is reported in Banadir region which has a higher concentration of people living in camps where access to safe water and proper sanitation is limited.

State	week 49			week 50			Cumulative		
	Cases	Deaths	CFR(%)	Cases	Deaths	CFR(%)	Cases	Deaths	CFR(%)
Banadir	32	0	0	36	1	3	2958	24	0.8
Lower Jubba	0	0	0	0	0	0	2330	15	0.6
Lower Shabelle	0	0	0	0	0	0	294	4	1.4
Middle Shabelle	0	0	0	0	0	0	558	2	0.4
Hiraan	0	0	0	0	0	0	565	1	0.2
<b>Total</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>1</b>	<b>2.8</b>	<b>6705</b>	<b>46</b>	<b>0.7</b>

NB. Deaths are included among cases. Banadir is not classified as a state.

### AWD/Cholera case load in treatment facilities

A total of 11 Cholera Treatment centres were opened up in the 5 states to manage the cholera cases during the outbreak. Banadir hospital located in Mogadishu has so far managed 44% of the total number of cholera cases reported. The overall case fatality rate in all CTC is 0.7% (below the WHO threshold for emergency settings) with the exception of Buulomareer CTC which reported a CFR of 12.5% attributed to delayed health seeking behavior among the affected population and limited skills among health workers to manage these cases.

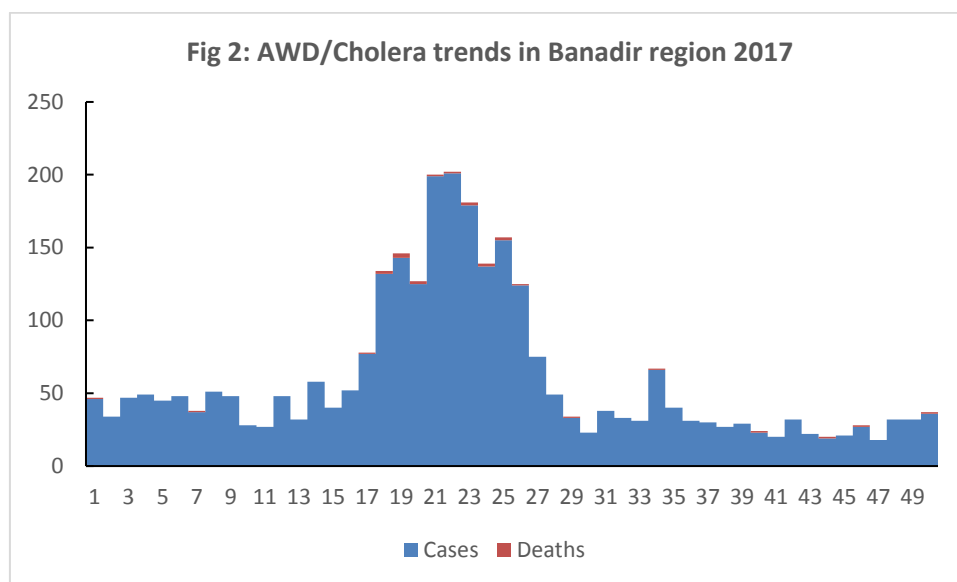
However, samples from the reported deaths were not confirmed in the laboratory. As of week 50, 10 treatment facilities have been closed following the control of cholera epidemic in these regions (table 2).

CTC/U	Epi- week 50			Cumulative		
	Cases	Deaths	CFR(%)	Cases	Deaths	CFR (%)
Banadir CTC	36	1	3	2,958	24	0.8
Farjano CTU	0	0	0	841	8	1
Buulomareer CTU	0	0	0	31	4	12.9
Bulo Burde CTU	0	0	0	43	0	0
Beletwyene CTC	0	0	0	522	1	0.2
Kismayo CTC	0	0	0	1,489	7	0.5
Afgoye CTU	0	0	0	153	0	0
Brave CTU	0	0	0	14	0	0
Ayuub CTU	0	0	0	69	0	0
Shalanbod CTU	0	0	0	27	0	0
Jowhar CTC	0	0	0	558	2	0.4
<b>Total</b>	<b>36</b>	<b>1</b>	<b>3</b>	<b>6,705</b>	<b>46</b>	<b>0.7</b>

*The deaths as shown in table 2 above were not confirmed by stool analysis*

## AWD/Cholera situation in Banadir region

As of epi-week 50, only Banadir region is still reporting suspected cholera cases, however the number of cholera cases reported in the region declined from a peak of 201 in week 22 to 36 in week 50. A total of 36 suspected cases including 1 suspected deaths were reported from 7 of the 17 districts of Banadir region. Daynile, Hodan and Madina were the most affected. Of the 36 cases reported during the week 22 of them where children below 5 years. The protracted cholera outbreak in Banadir is attributed to high concentration of IDPs where access to safe water and sanitation is limited. However, all the 32 cases reported did not receive OCV in 2017.



## Laboratory activities

Of the 351 stool samples so far collected since the beginning of the year, 104 tested positive for V. cholerae (Table 3). Latest stool samples tested in the National Public Health Laboratory in Mogadishu isolated Vibrio Cholera, serotype 01 Ogawa.

Table 3. Stool culture results from cholera affected regions

Region	Culture Positive samples	Culture negative	Total
Banadir	51	164	215
BAY	0	12	12
Galgadud	0	10	10
Hiran	6	33	39
Lower Jubba	18	7	25
Lower Shabelle	8	12	20
Middle Shabelle	21	9	30
<b>Total</b>	<b>104</b>	<b>247</b>	<b>351</b>

## Distribution of AWD/Cholera cases in different districts

As shown in table 4 below, 35% of all the cholera cases so far reported have been from Kismayo district in Lower Jubba followed by Hodan district (9.6%) in Banadir region. These most affected districts have the highest concentration of IDPs. In addition of the 46 cholera suspected deaths, the highest numbers were reported from Kismayo(44%) and Daynile(24%). These districts also have low coverage of health services compared to other districts.

Table 4. AWD/Cholera cases in different districts										
Region	District	Week 50						Cumulative Week 49/17- week 50/18		
		Cases			Deaths			Cases	Deaths	CFR (%)
		<2 yrs	2 -5 yrs	≥ 5 yrs	<2 yrs	2-5yrs	≥ 5 yrs			
Banadir	Darkenley	1	5	3	0	0	0	483	1	0.2
	Daynile	3	0	3	0	0	1	534	11	1.9
	HamarJabja	1	0	0	0	0	0	179	2	1.1
	Hawlwadag	0	0	0	0	0	0	130	1	0.8
	Hodan	6	0	4	0	0	0	643	2	0.3
	Karaan	1	0	0	0	0	0	52	1	1.9
	Madina	5	0	1	0	0	0	506	3	0.6
	Waberi	0	0	0	0	0	0	126	2	1.6
	Shibis	0	0	0	0	0	0	14	0	0.0
	Shingani	0	0	0	0	0	0	8	0	0.0
	Abdilaziz	0	0	0	0	0	0	7	0	0.0
	HamarWeine	0	0	0	0	0	0	54	0	0.0
	Heliwaa	0	0	0	0	0	0	32	0	0.0
	Wardigley	0	0	2	0	0	0	128	1	0.8
Yaqshid	0	0	1	0	0	0	62	0	0.0	
Middle Shabelle	Jowhar	0	0	0	0	0	0	558	2	0.4
Hiran×	Beletweyne	0	0	0	0	0	0	522	1	0.2
	BuloBarde	0	0	0	0	0	0	43	0	0.0
Lower Shabelle	Afgoye	0	0	0	0	0	0	153	0	0.0
	Kurtunwarey	0	0	0	0	0	0	31	4	12.9
	Merka	0	0	0	0	0	0	96	0	0.0
	Brava	0	0	0	0	0	0	14	0	0.0
Lower Jubba	Kismayo	0	0	0	0	0	0	2,330	15	0.6
<b>Total</b>		17	5	14	0	0	1	6,705	46	0.7

## Response activities implemented during the week

### Coordination and Leadership

- Weekly monitoring meeting was conducted by the emergency team of MoH, WASH team and staff of Banadir CTC to identify the gaps in response activities.

### Case management

- All the 36 new cases were managed in Banadir CTC located in Banadir hospital

### Surveillance and Laboratory Investigations

- Routine line listing of cases and analysis was done to identify most affected districts and vulnerable populations

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