

WEEKLY CHOLERA/AWD SITUATION REPORT - SOMALIA

Epidemiological Week Week 52 (26 December 2022 – 1 January 2023)

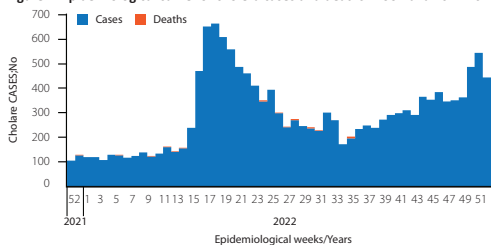
Highlights

- During week 52, 385 new suspected cases with one associated death were reported from 26 drought-affected districts of Somalia. The reduction in the number of new cases is linked to implementation of cholera response interventions in most affected districts (Table 1).
- Since epidemiological week 1 of 2022, a total of 15 653 suspected cases of cholera including 88 associated deaths (CFR 0.6%) were reported from 26 districts of Somalia
- Since epidemiological week 1, 2022 a cumulative attack rate (CAR) of 365 cases per 100 000 population was reported. Daynile (2023 per 100,000 cases), Kahda (1090 per 100 000 cases) and Dharkenley (1074 per 100 000 cases) districts in Banadir have reported the highest CAR amongst all the affected districts (Table 2).
- The overall case fatality rate (CFR) of 0.6% was reported from 26 drought-affected districts. However, in seven of these districts, the CFR exceeded the emergency threshold of $\geq 1\%$ for emergency settings. These districts include Wanlaweyne (8.3%), Shibis (3.8%), Hawlwadag (1.4%) Daynile (1.3%), Afmadow (1.2%), Kahda (1.2%), and Kurtunwarey (1.1%)
- Of the 2200 stool samples collected and analyzed, 279 (12.7%) samples tested positive for *Vibrio cholerae* 01 serotype Ogawa, 7(0.3%) samples were tested positive for *Vibrio cholerae* 01 Inaba in Daynile and 1(0.05%) sample positive for *Vibrio cholerae* 01 Hikojima in Marka.
- Culture and sensitivity studies conducted in the national public health reference laboratory in Mogadishu showed that the *V. cholerae* serotypes isolate is sensitive to chloramphenicol and tetracycline but resistant to ampicillin and nalidixic acid.

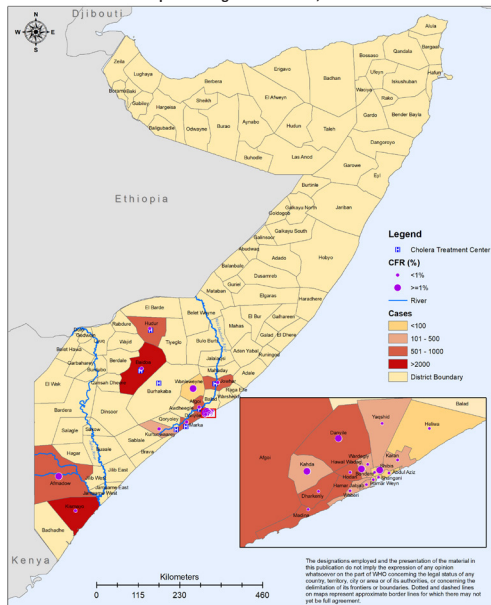
Table 1: suspected cholera cases, deaths and case fatality rates reported in week 51-52 and cumulative cases from week 1-52, 2022

District/Region	Outbreak start date	Week 51			Week 52			Cumulative number from week 1-52		
		Cases	Deaths	CFR (%)	Cases	Deaths	CFR (%)	Cases	Deaths	CFR (%)
Banadir	Oct, 2017	51	1	2.0	52	0	0.0	5243	40	0.8
Baidoa	Jan, 2021	15	0	0.0	15	0	0.0	2595	0	0.0
Marka	March, 2022	11	0	0.0	10	0	0.0	648	0	0.0
Algoye	Oct, 2022	24	0	0.0	25	0	0.0	1166	6	0.5
Kurtunwarey	June, 2022	9	0	0.0	8	0	0.0	294	3	1.0
Jowhar	April, 2022	5	0	0.0	6	0	0.0	1221	4	0.3
Hudur	May, 2022	27	0	0.0	28	0	0.0	663	0	0.0
Wanlaweyn	Jan, 2022	0	0	0.0	0	0	0.0	15	1	8.3
Kismayo	Sept, 2022	113	2	1.8	140	1	0.7	2869	24	0.8
Afmadow	Dec, 2022	189	1	0.5	101	0	0.0	939	10	1.1
Total		444	4	0.9	385	1	0.3	15 653	88	0.6

Figure 1: Epidemiological curve for cholera cases and deaths in Somalia 2021-2022



Map 1. Number of reported cholera cases and case fatality rate by district, epidemiological week 1-52, 2022



Published by World Health Organization (WHO), Country Office, Mogadishu, Somalia
 For Correspondence: Tel: +252616695096; Email address: emacosomw@who.int;
 URL: <http://www.emro.who.int/countries/som/index.html>

Summary Statistics

New cases in Week Week 52 (26 Dec 2022 – 1 Jan 2023)

- 385** new cases
- 201 (52.2%)** are children below **5** years
- 207 (53.8%)** are women
- 0** associated deaths

Cumulative cases Week 1-52 (3 Jan 2022 - 1 Jan 2023)

- 15 653** cumulative cases
- 9778 (62.5%)** are children below **5** years
- 7757 (49.6%)** are women
- 6871 (43.9%)** are severe cases
- 88 cholera-associated deaths (CFR 0.6%)**
- 68 (78.2%)** of the deaths are children below **5** years

Table 2: reported cholera cases, deaths, case-fatality rate (CFR) and cumulative attack rate (CAR) by districts (epidemiological week 1- 52/2022)

State/region	Number	District	Cases	Deaths	CFR (%)	Population	Attack Rate (per 100,000 population)
Banadir	1	Abdul Aziz	34	0	0.0	51 040	67
	2	Bondere	51	0	0.0	140 872	36
	3	Danyile	1527	19	1.2	75 499	2023
	4	Dharkenley	676	1	0.1	62 968	1074
	5	Hamar Jabjab	169	1	0.6	83 706	202
	6	Hamar Weyn	20	0	0.0	99 783	20
	7	Hawl Wadag	147	2	1.4	90 118	163
	8	Helwaa	64	0	0.0	100 038	64
	9	Hodan	778	4	0.5	164 941	472
	10	Kahda	343	4	1.2	31 455	1090
	11	Karan	120	0	0.0	283 781	42
	12	Madina	833	7	0.8	115 451	722
	13	Shangani	21	0	0.0	56 143	37
	14	Shibis	26	1	3.8	183 743	14
15	Waberi	130	0	0.0	117 189	111	
16	Wardegly	130	1	0.8	123 536	105	
17	Yaqshid	174	0	0.0	296 031	59	
SouthWest	18	Algoye	1166	6	0.5	228 291	511
	19	Baidoa	2595	0	0.0	385 120	674
	20	Kurtunwarey	294	3	1.0	110 661	266
	21	Merka	648	0	0.0	326 240	199
	22	Hudur	663	0	0.0	157 336	421
	23	Wanlaweyn	15	1	8.3	263 176	5
Hirshabelle	24	Jowhar	1221	4	0.3	368 661	331
Jubaland	25	Kismayo	2869	24	0.8	281 817	1018
26	Afmadow	939	10	1.1	86800	1082	
Total			15 653	88	0.6	4 284 95	365