

WEEKLY CHOLERA/AWD SITUATION REPORT - SOMALIA

Epidemiological Week 51 (19-25 December 2022)

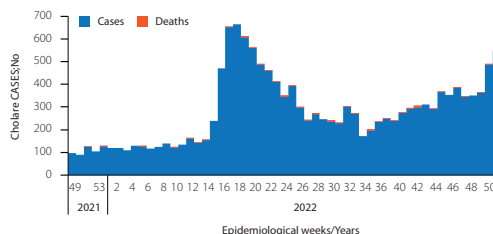
Highlights

- During week 51, 444 new suspected cases with four associated deaths 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 15 268 suspected cases of cholera including 87 associated deaths (CFR 0.6%) were reported from 26 districts of Somalia
- Since epidemiological week 1, 2022 a cumulative attack rate (CAR) of 356 cases per 100 000 population was reported. Daynile (1997 per 100,000 cases), Kahda (1084 per 100 000 cases) and Dharkenley (1066 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 2011 stool samples collected and analyzed, 259 (13.4%) samples tested positive for *Vibrio cholerae* 01 serotype Ogawa, 7(0.4%) samples were tested positive for *Vibrio cholerae* 01 Inaba in Daynile and 1(0.06%) 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.

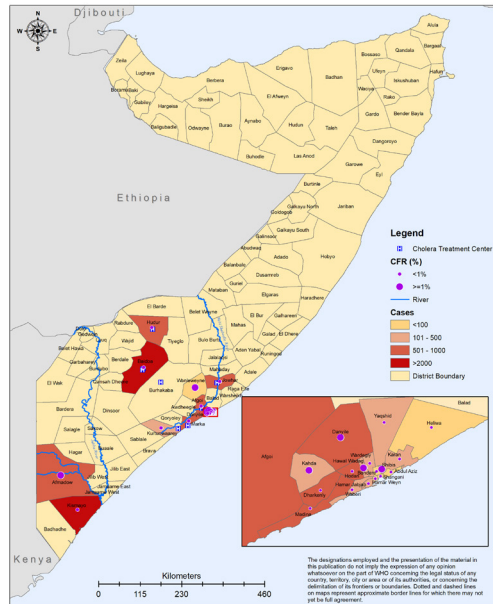
Table 1: suspected cholera cases, deaths and case fatality rates reported in week 50-51 and cumulative cases from week 1-51, 2022

District/Region	Outbreak start date	Week 50			Week 51			Cumulative number from week 1-51		
		Cases	Deaths	CFR (%)	Cases	Deaths	CFR (%)	Cases	Deaths	CFR (%)
Banadir	Oct, 2017	36	1	2.8	51	1	2.0	5191	40	0.8
Baidoa	Jan, 2021	17	0	0.0	15	0	0.0	2580	0	0.0
Marka	March, 2022	8	0	0.0	11	0	0.0	638	0	0.0
Algoye	Oct, 2022	31	0	0.0	24	0	0.0	1141	6	0.5
Kurtunwarey	June, 2022	7	0	0.0	9	0	0.0	286	3	1.0
Jowhar	April, 2022	9	0	0.0	5	0	0.0	1215	4	0.3
Hudur	May, 2022	27	0	0.0	27	0	0.0	635	0	0.0
Wanlaweyn	Jan, 2022	0	0	0.0	0	0	0.0	15	1	8.3
Kismayo	Sept, 2022	133	0	0.0	113	2	1.8	2729	23	0.8
Afmadow	Dec, 2022	276	3	1.1	189	1	0.5	838	10	1.2
Total		544	4	0.7	444	4	0.9	15,268	87	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



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Summary Statistics

New cases in Week 51 (19-25 December 2022)

- 444** new cases
- 235 (52.9%)** are children below **5** years
- 217 (48.9%)** are women
- 0** associated deaths

Cumulative cases Week 1-51 (3 January - 25 December 2022)

- 15 268** cumulative cases
- 9577 (62.7%)** are children below **5** years
- 7550 (49.4%)** are women
- 6605 (43.3%)** are severe cases
- 87** 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- 51 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	1508	19	1.3	75 499	1997
	4	Dharkenley	671	1	0.1	62 968	1066
	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	767	4	0.5	164 941	465
	10	Kahda	341	4	1.2	31 455	1084
	11	Karan	118	0	0.0	283 781	42
	12	Madina	823	7	0.9	115 451	713
	13	Shangani	21	0	0.0	56 143	37
	14	Shibis	26	1	3.8	183 743	14
15	Waberi	128	0	0.0	117 189	109	
16	Wardigly	129	1	0.8	123 536	104	
17	Yaqshid	174	0	0.0	296 031	59	
SouthWest	18	Algoye	1141	6	0.5	228 291	500
	19	Baidoa	2580	0	0.0	385 120	670
	20	Kurtunwarey	286	3	1.0	110 661	258
	21	Merka	638	0	0.0	326 240	196
	22	Hudur	635	0	0.0	157 336	404
	23	Walaweyn	15	1	8.3	263 176	5
Hirshabelle	24	Jowhar	1215	4	0.3	368 661	330
Jubaland	25	Kismayo	2729	23	0.8	281 817	968
	26	Afmadow	838	10	1.2	86 800	965
Total			15 268	87	0.6	4 284 395	356