

CURRENT SITUATION

Somalia is experiencing worsening drought following five consecutive seasons of failed rainy season. According to the Food Security and Nutrition Analysis Unit (FSNAU) and Famine Early Warning Network (FEWS NEST), Somalia received suboptimal amount of dyer rains than expected since October 2021. Currently, the United Nations Office for the Coordination of Humanitarian Affairs (UN-OCHA) estimates that the number of people affected by extreme drought has risen from 7.8 million in January to 8.3 million in March 2023, with 1.3 million displaced from their homes in search of water, food, and pasture. Nearly 6.6 million people – 38.8 per cent of the population - are acutely food insecure. For the first time since 2017, the Integrated Food Security Phase Classification has confirmed pockets of emergency food insecurity affecting 4.3 million people (IPC 3) and 40350 in catastrophic food insecurity (Phase 5). An estimated 1.8 million children under 5 face acute malnutrition, including 478 000 who are severely malnourished. According to the weather forecast by FSNAU, moderate to heavy rainfall is expected over several areas in southern, central, and north-western parts of Somalia with dry conditions only in the north-eastern coastal areas. The heavy rains that started in April affected 468 000 people and displaced 176 000 in Beletweyne and other districts. However reports from OCHA indicate that 90% of the affected communities in Beletweyne have return home as floods are receding. It is also estimated that about 8 million people in Somalia lack access to safe water and proper sanitation. The current situation including the displacement has led to more people being vulnerable to epidemic prone diseases, particularly acute diarrheal disease, and measles.



SUMMARY STATISTICS FOR DROUGHT-AFFECTED DISTRICTS

An estimated **8.3 million** people in the country in need of water, humanitarian assistance, and protection¹.

7.8 million people estimated to be affected by the current drought; 1.3 million have been internally displaced by drought and **50,000** have migrated to Ethiopia and Kenya².

Nearly 6.6 million people - **38.8 per cent** of the population - are experiencing acute food insecurity including **4.6 million** in emergency (IPC 3) and **40 350** in catastrophe (IPC 5).

1.8 million of children are facing acute malnutrition³.

468 000 people affected by flash floods of whom 247000 have been displaced especially in Baardheere district of Gedo region and Beletweyne, Hirshabelle state. **176 000** (70 percent) of those affected in Beletweyne have been reached with humanitarian assistance⁴.

Reported cases of acute diarrhoeal disease, suspected measles, SARI and clinically diagnosed malaria cases in drought-affected region of Somalia, (epidemiological weeks 1 -Week 31 2023, 02 Jan to 06 Aug 2023)

Epidemiological weeks 30-31, 24/07-06/08 2023



459
suspected cholera cases



1181
acute diarrhoeal disease cases



509
suspected measles cases



3636
SARI cases



1132
confirmed cases of malaria in June 2023



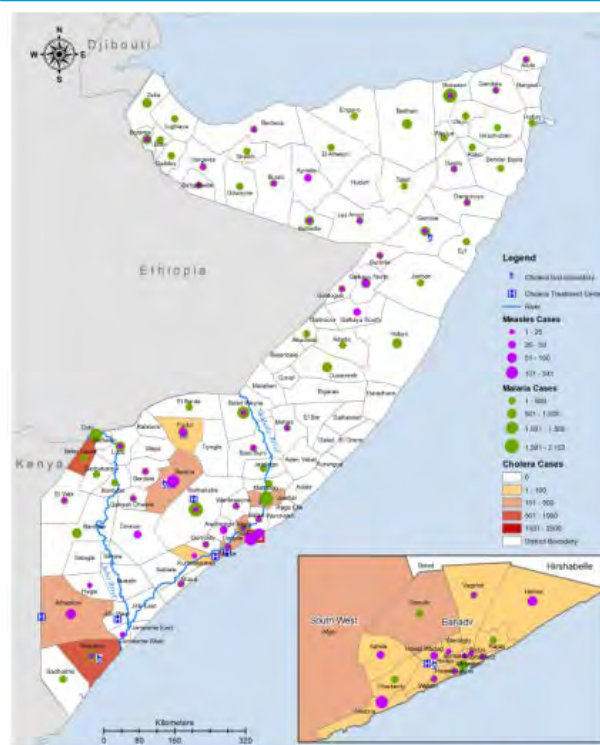
435
health facilities reporting through Early Warning Alert and Response Network (EWARN)⁵



260
health facilities reporting in DHIS2⁶



2163
community health workers deployed in high-risk areas including in drought affected districts



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Map Production: WHO Somalia
Data Source: WHO Somalia
Map Projection: WGS 1984 Web Mercator
Map Date: 20 March 2023
Feedback: thawanting@who.int

The Federal Ministry of Health and WHO monitor the trends of epidemic-prone diseases in drought affected districts using data from the electronic-based EWARN, DHIS-2, fever and rash surveillance system and community health workers deployed in drought affected districts. With support from the Central Emergency Response Fund (CERF) and in collaboration with state ministries of health, WHO is implementing activities aimed at preventing disease outbreaks, including the timely detection and response to alerts of epidemic-prone diseases reported among vulnerable communities in drought affected districts.

1 Somalia: Drought response & famine prevention (15 February - 15 March 2023) - Somalia | ReliefWeb
2 Somalia: Drought response & famine prevention (15 January - 15 February 2023) - Somalia | ReliefWeb
3 Integrated Food Security Phase Classification Report - April 2023
4 <https://reliefweb.int/report/somalia/somalia-2023-flash-and-riverine-floods-situation-report-no-2-6-june-2023>
5 EWARN mobile application was deactivated in February 2023- MOH is transitioning from EWARN to Integrated Disease Surveillance and Response strategy supported by the DHIS2 web-based application.
6 Health facilities reporting in 10 regions in DHIS2

CHOLERA IN DROUGHT-AFFECTED DISTRICTS

Recurrent cholera outbreaks have been reported in the drought-affected districts of Somalia since 2022, with no interruption in transmission in Banadir region since 2017. The number of cholera cases reported in drought affected districts have increased significantly in 2023 compared to the same time over the past two years (Figure 1). This increase is attributed to a higher proportion of people with limited access to safe water and uncontrolled cross border movement in Somalia, Kenya and Ethiopia triggered by drought. Since epidemiological week 1 of 2023, a total of 11 928 cases of suspected cholera and 30 deaths (Case Fatality Rate 0.3%) were reported from 28 drought-affected districts of which 6411 (53.7%) cases were children under 5, 5889 (51.3%) were women and 6149(51.5%) were severe cases. In 2023, The regions reporting most of the cases are Gedo (3970), Lower Juba (2520), and Banadir (2234) (see Table 1). However, the number of cholera cases reported in all districts has reduced by more than half from the peak of 867 in week 15 to 224 in week 31. This reduction in the number of new cases is attributed to scaling up of response interventions by WHO, Health and WASH cluster partners. Risk factors for the current outbreak include limited access to safe water, poor sanitation due to open defecation in camps and uncontrolled border movement between Somalia and Kenya. Of the 1554 stool samples collected since epidemiological week 1 2023, 513 (33.0%) samples of the 1554 were tested positive by Rapid Diagnostic Kit (RDT) while 167 (10.7%) stool samples were tested positive for *Vibrio cholerae* 01 serotype Ogawa. Out of the 46-culture tested positive, 32 tested for *Vibrio cholerae* 01 serotype Ogawa. Culture and sensitivity studies conducted showed that the *Vibrio cholerae* serotypes Ogawa isolates are sensitive to chloramphenicol and tetracycline but resistant to ampicillin and nalidixic acid.

ACUTE DIARRHOEAL DISEASES⁷

The number of new acute diarrheal disease cases reported through the District Health Information System (DHIS-2), the Early Warning Alert and Response Network (EWARN) and from the communities in drought-affected districts decreased by two fold compared to the same period in last year. The reduction in cases is attributed to scaling up the implementation of intervention for water sanitation and hygiene by the WASH cluster partners. Since epidemiological week 1 of 2023, 35 804 cases of acute diarrheal disease were reported. The regions reporting most of the cases are Gedo (8318), Lower Juba (6935) and Mudug (3818), (Table 1). Despite the reported reduction in the number of new cases, the flash floods that have been reported in 26 districts of Somalia is expected to contribute to increased acute diarrheal cases.

WHO is supporting the Ministry of Health to conduct sentinel-based surveillance for Rota virus in Banadir region. Since epidemiologic week 1 of 2023, of the 473 cases of acute watery diarrhoea collected from cases admitted in Banadir hospital, 161 (34.0%) have tested positive for Rota Virus.

INFLUENZA SURVEILLANCE⁸

The number of severe acute respiratory illnesses (SARI) reported through the DHIS-2 system increased by four-fold in 2023 compared to the same time in 2022. This increase may be attributed to increased displaced people who have poor access to standard shelter which resulted in people living in overcrowded conditions in camps (Figure 3). Since epidemiological week 1 of 2023, 84 653 cases of SARI were reported from the drought affected districts. The regions reporting most of the cases are Galgadud (31052), Gedo (9771), and Banadir (7990), (Table 1).

Week 1-31 of 2023 (2 January to 06 August 2023)

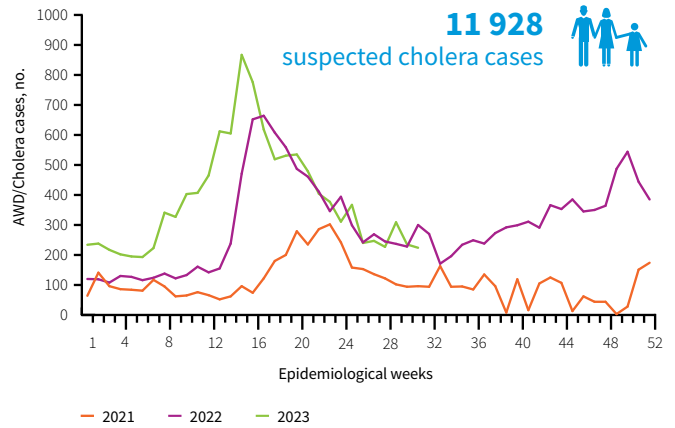


Figure 1. Trends of suspected cholera/acute watery diarrhoea cases reported in drought-affected regions/districts of Somalia, 2021-2023

Week 1-31 of 2023 (2 January to 06 August 2023)

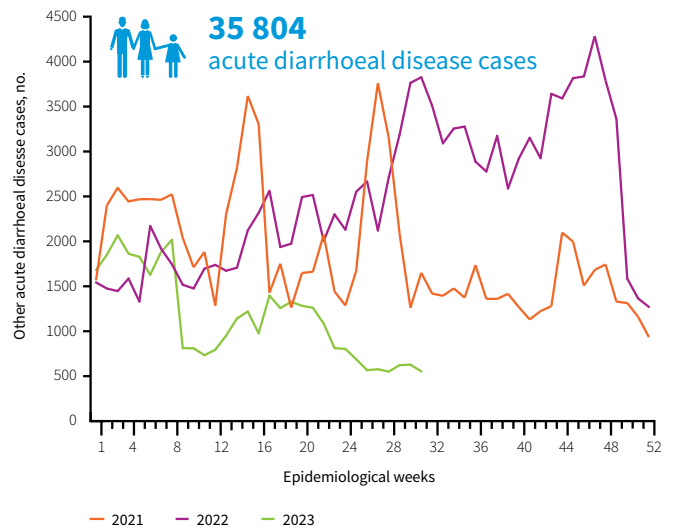


Figure 2. Trends of acute diarrhoeal disease cases reported in drought-affected regions/districts of Somalia, 2021-2023

Week 1-31 of 2023 (2 January to 06 August 2023)

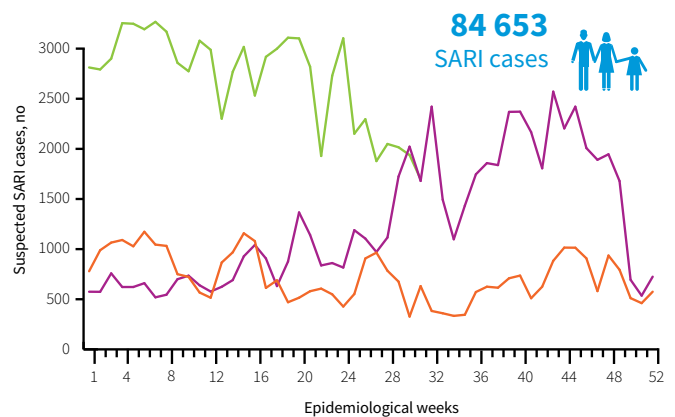


Figure 3. Trends of severe acute respiratory infection (SARI) reported from drought affected regions/districts of Somalia, 2021-2023

⁷ The number of acute diarrhoea cases in this report have been extracted from DHIS-2 system that started functioning in week 8 2023 in Banadir region.

⁸ The number of cases of SARI reported from week 1 to week 7 are extracted from EWARN while after 7, the cases have been extracted from DHIS-2

WHO, in collaboration with United States Center for Disease Control and Prevention (US-CDC) and the Pandemic Influenza Preparedness (PIP) Framework supports Ministry of Health to implement sentinel-based surveillance for seasonal influenza and other respiratory pathogens in three sites-two located in Banadir region and one in Puntland. In 2023, a total of 2367 cases of SARI and ILI were enrolled at four sentinel sites and were reported in the platform of Eastern Mediterranean Flu (EMFLU) network. Since epidemiological week 1 of 2023, 2277 (96.2%) cases were tested at the National Public Health Laboratory of which 153 (6.7%) were tested positive for influenza; 105 (68.6%) were positive for influenza A (H1N1) pdm09, 1(0.7%) positive for influenza A(H3N2) while 11(0.7%) were positive for influenza B virus (Victoria Lineage). 5 (0.3%) cases were also positive for Respiratory Syncytial Virus (RSV) while 13 (0.8%) were positive for COVID-19

MEASLES UPDATES

The number of suspected cases of measles reported through the AFP/Polio surveillance system and DHIS2 in 2023 decreased by three-fold compared to the same period in 2022. This reduction in cases is linked to an increase in the number of children vaccinated mainly in IDP camps by WHO supported outreach teams that have scaled up the provision of integrated primary health care services including vaccination services to these camps. (Figure 4). However, there is gradual increase in the number of new measles cases reported from 184 cases in week 18 to 252 in week 31 which represents a 40% increase. A total of 8158 cases of measles were reported from week 1 to week 31 of 2023. The regions reporting most cases are Banadir (2178), Bay (1713), and Lower juba (1075). Of the 1710 blood samples collected from cases of fever and rash, 1074 (62.8%) were tested positive for measles specific Immunoglobulin M(IgM)

MEASLES VACCINE UPDATES

A total of 44135(78%) out of the targeted 56,482 children under one year received the first dose of measles-containing vaccine (MCV1) in drought-affected districts in June 2023 according to data from district health Information software 2 (DHIS2) (Figure 5). From 2019 to 2023, the measles vaccination coverage ranged between 84% and 78% per month compared to the national target of 95%.

MALARIA UPDATES

The number of laboratory-confirmed cases of malaria reported through DHIS2 has gradually decreased in 2023 compared to the same period in 2022. The observed reduction is linked to scaling up of implementation of additional malaria control interventions in drought affected districts (Fig 6). As of June 2023, a total of 156 066 cases of suspected malaria have been reported of which 6348 (4.1%) have been confirmed positive by Rapid Diagnostic Test (RDT) and blood smear. However, the number of confirmed cases of Malaria increased from 909 cases in January to 1132 cases in June which represents an increase of 25 per cent. Of the 6348 confirmed cases, 1619 (25.5%) are children under 5. Regions reporting most of the suspected malaria cases in 2023 are Gedo (19286), Bay (16715) and Banadir (14073) (Table 1).

POLIO UPDATE

- A total of 250 cases of acute flaccid paralysis (AFP) were reported in 2023, of whom 110(44%) case were female and 140(56%) cases were male. Of the 244 AFP cases reported,236 (94%) cases had stool samples collected and analysed in the laboratory while 14 (6%) cases are pending laboratory diagnosis.

Week 1-31 of 2023 (2 January to 06 August 2023)

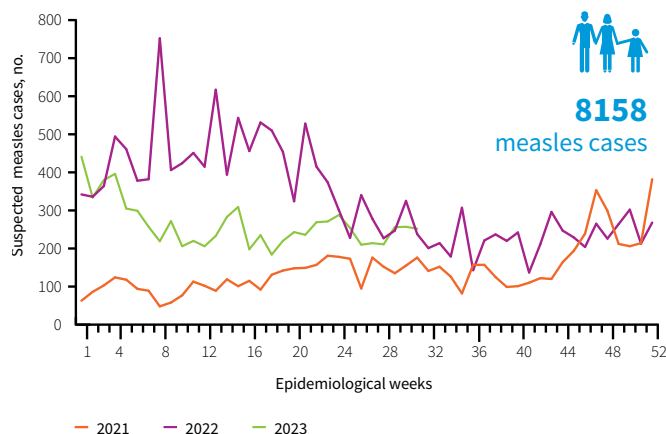


Figure 4. Trends of measles cases reported in drought-affected regions/districts of Somalia, 2021–2023

Week 1-31 of 2023 (2 January to 06 August 2023)

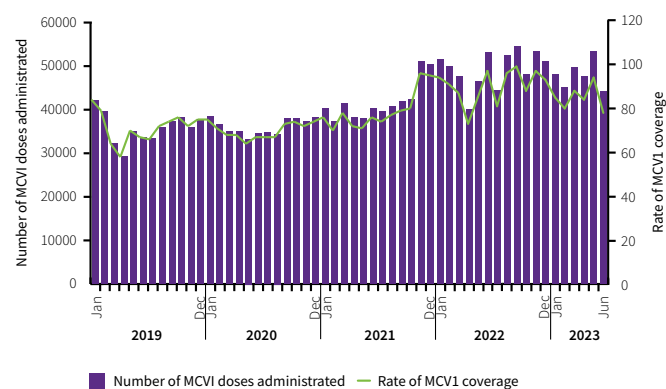


Figure 5. Number of children under 1 vaccinated against measles by month, 2020-2023

*The measles vaccination data for November and December 2022 is not yet available

Week 1-31 of 2023 (2 January to 06 August 2023)

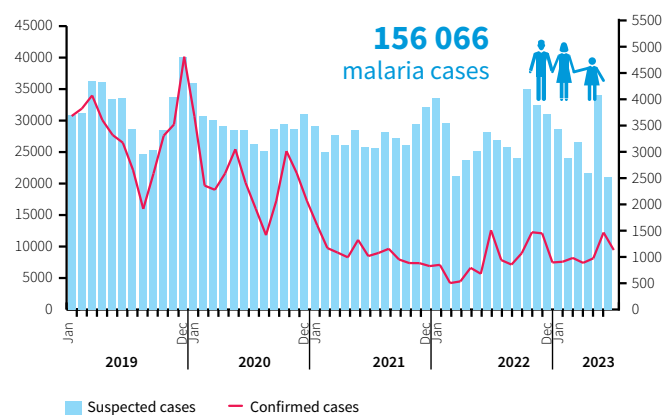


Figure 6. Trends of malaria cases reported in drought-affected regions, 2020-2023

- In 2023 two circulating vaccine-derived poliovirus type 2 (cVDPV2) were isolated from AFP cases, compared to five cases isolated in 2022.
- A total of 132 environmental surveillance (ES) samples have been collected since epidemiologic week 1 of 2023 of which 122 (92%) samples have laboratory results and 10(8%) are pending for processing.
- Out of the 106 ES samples with Lab results in 2023, 3(3%) cVDPV2, 40(33%) of the samples isolated NPEV, 2(1%) Sabin, like virus and the remaining 76(63%) samples tested negative.

Table 1: Cumulative number of acute diarrheal disease, suspected cholera, suspected measles, SARI, and suspected malaria cases in drought-affected regions of Somalia (epidemiological weeks 1 -Week 31 2023, 02 Jan to 06 August 2023)

Regions	Acute diarrhoeal disease ⁹	Suspected Measles cases ¹⁰	Suspected Malaria case ¹¹	SARI cases ¹²	Suspected cholera cases ¹³	cVDPV2 from AFP Case ¹⁴
AWDAL	0	11	6059	0	0	0
BAKOOL	361	519	4902	7490	66	0
BANADIR	2654	2178	14073	7939	2234	0
BARI	3481	50	11371	95	0	0
BAY	920	1713	16715	7230	913	1
GALBEED	0	14	4121	0	0	0
GALGADUD	1265	197	9333	31052	0	0
GEDO	8318	243	19286	9771	3970	0
HIRAN	598	465	7239	3194	1	0
KARKAR	1537	-	3063	428	0	0
LOWER JUBA	6935	1075	9206	7314	2520	0
LOWER SHABELLE	1721	471	11047	1976	1516	1
MIDDLE JUBA	0	0	0	0	0	0
MIDDLE SHABELLE	404	703	9137	1299	708	0
MUDUG	3818	255	9817	4897	0	0
NUGAL	1772	60	5912	493	0	0
SOUTH MUDUG	929	238	0	1521	0	0
SAHIL	0	18	1773	0	0	0
SANAG	1098	0	5006	5	0	0
SOOL	5	1	2473	245	0	0
TOGDHER	0	76	5533	0	0	0
TOTAL	35 804	8 158	156 066	84 653	11 928	2

Note: Continuous data quality review has been conducted which may lead to variation of figures for new cases and cumulative cases of epidemic prone disease in each region.

9 Source of data is as of February 2023(up to week 6-7) and DHIS-2 starting with week 8.

10 Source of data is fever and rash surveillance system for week 1-9 and DHIS-2 for week 10-29

11 Source of data is DHIS2 as of January 2023 and DHIS-2 as of March-June 2023

12 Source of data is EWARN as of February 2023 and DHIS2 as of March-July 2023

13 Source of data is suspected cholera/acute watery diarrhoea surveillance system managed by the FMOH as of June 2023

14 Source of data is EPI/Polio Weekly update sitrep report 2023.



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