

# Africa CDC Epidemic Intelligence Report

Date of Issue: 24 Dec 2023

Events reported in 2023

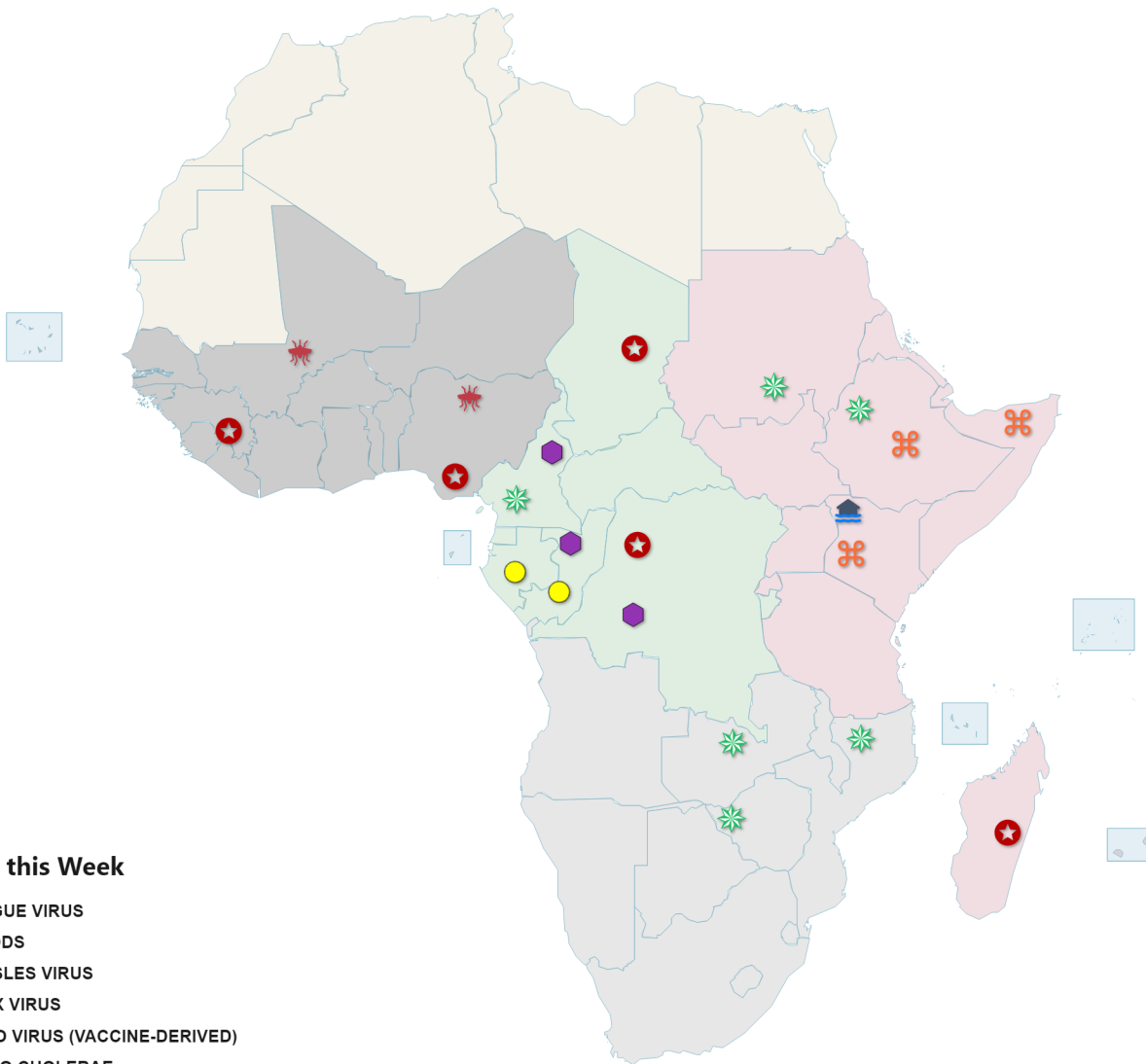
164


Events highlighted this week

21

New events since last issue

1



\*  represent AU Member States that are islands

Note: The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the African Union.

Risk Level

Very High (New)

High (New)

Moderate (New)

Human

0

8 (1)

13

Animal

0

0

0

Environment

0

1

0





























Event Type

# Event Summary

## New events since last issue

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected	Confirmed
 Dengue virus	Nigeria	High	none		71	13

## Events Highlighted this week

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected (New)	Probable (New)	Confirmed (New)	Deaths (New)
 Dengue virus	Mali	Moderate	Very Low		4,807 (380)		730 (101)	30 (1)
 Floods	Kenya	High	none				545,895 (83,735)	174 (14)
 Measles virus	Ethiopia	High	none		28,404 (1,834)			213 (6)
	Kenya	Moderate	none			2,256 (86)	380 (48)	48 (24)
	Somalia	Moderate	none		11,980 (231)		84	
 Mpox virus	Cameroon	Moderate	none		113 (3)		27	
	Congo Republic	Moderate	none		95 (85)		21 (16)	5 (2)
	Democratic Republic of the Congo	High	Moderate		12,985 (2,957)		1,215 (618)	715 (165)
 Polio virus (vaccine-derived)	Chad	Moderate	none				48 (7)	
	Democratic Republic of the Congo	Moderate	none				204 (5)	
	Guinea	Moderate	none				21 (8)	
	Madagascar	Moderate	none				18 (1)	
	Nigeria	Moderate	none				57 (2)	
 Vibrio cholerae	Cameroon	High	Moderate		21,254 (7)		2,084	685
	Ethiopia	High	none		29,057 (533)		26	406 (5)
	Mozambique	High	Moderate				39,694 (635)	158 (2)
	Sudan	Moderate	none		6,857 (1,761)		82	200 (39)
	Zambia	High	Moderate		1,919 (194)		438	58 (8)
	Zimbabwe	High	Moderate		10,881 (772)		1,533 (51)	257 (22)
 Yellow fever virus	Congo Republic	Moderate	none		374 (35)		15	2
	Gabon	Moderate	Moderate		119 (6)			

## High Risk Events

### Cholera in Africa

**91,662** confirmed human case(s), **136,596** suspected human case(s)  
**3,590** human deaths (**CFR: 1.6%**)

Agent/Pathogen	<b>Vibrio cholerae</b>	First Reported	<b>6-Jan-2023</b>	Previous Report Update	<b>15-Dec-2023</b>
First Occurred	<b>1-Jan-2023</b>	Country	<b>Multiple Countries</b>	Location	<b>19 MS</b>
Source	<b>Ministry of Health</b>	GeoScope	<b>HIGH</b>	Human Risk Assessment	<b>HIGH</b>

#### Update to Event:

Since the beginning of this year, 228,258 cases (91,662 confirmed; 136,596 suspected) and 3,590 deaths [case fatality rate (CFR: 1.6%)] of cholera were reported from 19 African Union (AU) Member States (MS): Burundi (1,343 cases; 9 deaths), Cameroon (21,255; 508), Congo (93; 9), Democratic Republic of Congo (DRC) (39,638; 342), Eswatini (2; 0), Ethiopia (29,083; 406), Kenya (8,937; 148), Malawi (43,008; 1,261), Mozambique (39,694; 158), Nigeria (2,860; 84), Somalia (16,989; 43), South Africa (1,075; 47), Sudan (6,939; 200), South Sudan (1,471; 2), Tanzania (729; 18), Togo (1; 0), Uganda (78; 10), Zambia (2,650; 66) and Zimbabwe (12,414; 279). This week, 4,248 new cases and 84 new deaths of cholera were reported from six AU MS: Cameroon, Ethiopia, Mozambique, Malawi, Sudan, Zambia and Zimbabwe.

**Cameroon:** Since the last update (15 December 2023), the Ministry of Health (MoH) reported seven new suspected cases and no new deaths of cholera. Cumulatively 21,255 cases (2,084 confirmed; 19,171 suspected) and 508 deaths (CFR: 2.4%) of cholera have been reported from nine of 10 regions in Cameroon. The outbreak is active in 10 health districts in Centre and Littoral regions.

**Ethiopia:** Since the last update (15 December 2023), the Ethiopia Public Health Institute (EPHI) reported 533 new suspected cases and five new deaths (CFR: 0.9%) of cholera. Cumulatively, 29,083 cases (26 confirmed; 29,057 suspected) and 406 deaths (CFR: 1.4%) have been reported from 10 of the 11 regions in Ethiopia. Amhara, Oromia and Somali regions account for 64% of the cases.

**Malawi:** Since the last update (24 November 2023), the MoH reported two new cases and no new deaths from Kalonga district. Cumulatively, 43,008 confirmed cases and 1,261 deaths (CFR: 2.9%) have been reported this year from all 29 districts in Malawi.

**Mozambique:** Since the last update (15 December 2023), the MoH reported 635 new cases and two new deaths (CFR: 0.3%) from five provinces. Cumulatively, 39,694 confirmed cases and 158 deaths (CFR: 0.4%) have been reported this year from all 11 provinces in Mozambique.

**Sudan:** Since the last update (8 December 2023), the MoH reported 1,761 new suspected cases and 39 new deaths (CFR: 2.2%) of cholera. Cumulatively, 6,939 cases (82 confirmed; 6,857 suspected) and 200 deaths (CFR: 2.9%) have been reported from nine of 18 states in Sudan. Gedaref (1,824 cases; 48 deaths) and Aj Jazirah (1,397; 23) states account for 46% of the cases and 36% of the deaths.

**Zambia:** Since the last update (15 December 2023), the Zambia National Public Health Institute (ZNPPI) reported 487 new suspected cases and 16 new deaths (CFR: 3.3%) from six districts. Cumulatively, 2,650 cases (438 confirmed; 2,212 suspected) and 66 deaths (CFR: 2.5%) have been reported this year from 11 of 116 districts in Zambia. The outbreak is active in six districts in Eastern (2 districts) and Lusaka (4) provinces.

**Zimbabwe:** Since the last update (15 December 2023), the MoH reported 823 new cases (51 confirmed; 772 suspected) and 22 new deaths (CFR: 2.6%) of cholera. This is a 59% increase in the number of new cases compared to the last report. Cumulatively, 12,414 cases (1,533 confirmed; 10,881 suspected) and 279 deaths (CFR: 2.2%) have been reported from 46 of 64 districts.

#### Response by MS/partner/Africa CDC:

The Ministries of Health of the affected MS continue to conduct enhanced surveillance, case management, risk communication, enhanced targeted testing of all samples and water, sanitation and hygiene interventions in the affected areas.

Africa CDC continues to support the surveillance, risk communication, and infection control measures for MS, in areas with active outbreaks.

## Dengue fever in Africa

**21,347** confirmed human case(s), **67,658** probable human case(s), **174,716** suspected human case(s)  
**755** human deaths (**CFR: 0.3%**)

Agent/Pathogen	Dengue virus	First Reported	26-Jul-2023	Previous Report Update	15-Dec-2023
First Occurred	1-Jan-2023	Country	Multiple Countries	Location	15 MS
Source	Ministry of Health	GeoScope	HIGH	Human Risk Assessment	HIGH

### Update to Event:

Since the beginning of this year, a total of 263,721 cases (21,347 confirmed; 67,658 probable; 174,716 suspected) and 755 deaths (CFR: 0.3%) of dengue fever have been reported in 15 AU MS: Angola (3 cases; 0 deaths), Burkina Faso (231,661; 688); Cabo Verde (65; 0), Chad (1,581; 1), Côte d'Ivoire (107; 0), Egypt (578; 0), Ethiopia (20,758; 17); Guinea (6; 1); Mali (5,537; 30), Mauritius (265; 0), Nigeria (84; 0), Sao Tome and Principe (1,227; 11), Senegal (177; 0), Sudan (1,664; 7) and Togo (8; 0). This week, 565 new cases and one new death from dengue fever were reported from Mali and Nigeria.

**Mali:** Since the last update (15 December 2023), the MoH reported 481 new cases (101 confirmed; 380 suspected) and one new death (CFR: 0.2%) of dengue fever. Cumulatively, 5,537 cases (730 confirmed; 4,807 suspected) and 30 deaths (CFR: 0.5%) of dengue fever were reported from 19 of the 75 health districts. Bamako district reports the highest number of cases (93%) and deaths (86%). Currently, two serotypes were identified as the cause of this outbreak: VDEN-1 and VDEN-3.

**Nigeria:** On 16 December 2023, the Nigeria CDC reported 84 new cases (13 confirmed; 71 suspected) and no new death of dengue fever from three local government areas (LGAs) in Sokoto state: Sokoto South, Wamako and Dange Shuni LGAs. The last outbreak of dengue fever in Nigeria occurred in 2016, with 1,477 cases and 16 deaths (CFR: 1.1%) reported from Sokoto state.

### Response by MS/partner/Africa CDC:

The Ministries of Health of the affected MS distributed treatment guidelines to all health facilities, and continue to conduct enhanced surveillance, vector control and risk communication activities.

## Moderate Risk Events

### COVID-19 in Africa

**12,367,742** confirmed human case(s)  
**259,957** human deaths (**CFR: 2.1%**)

Agent/Pathogen	SARS-CoV-2	First Reported	21-Feb-2020	Previous Report Update	15-Dec-2023
First Occurred	14-Feb-2020	Country	Multiple Countries	Location	All 55 MS
Source	Ministry of Health	GeoScope	VERY HIGH	Human Risk Assessment	MODERATE

#### Update to Event:

As of 6 p.m. East African Time (EAT) 21 December 2023, a total 12,367,742 COVID-19 cases and 259,957 deaths (CFR: 2.1%) have been reported by the 55 AU MS. This represents 2% of all cases and 4% of all deaths reported globally. Fifty-three MS have reported COVID-19 cases infected with the Alpha (50 MS), Beta (45), Delta (53), Gamma (5) and Omicron (53) variants of concern (VOC). Additionally, 32 MS have reported the presence of the Omicron BA.2 sub-variant, 17 Member States reported the Omicron sub lineage (XBB.1.5), 12 MS reported the Omicron sub lineage (BF.7 or BA.5.2.1.7), nine MS have reported the Omicron sub lineage EG.5, two Member States have reported the Omicron sub lineage (XBB.1.16) and two Member States have reported the Omicron sub lineage (BA.2.86). On 21 November 2023, the World Health Organization classified BA.2.86 and its sub lineages (including JN.1) as a variant of interest (VOI). It was previously classified as a variant under monitoring. As of 22 November 2023, two AU MS: Botswana and South Africa have reported the presence of this VOI.

Fifty-four AU MS are currently providing COVID-19 vaccination to the general population. Cumulatively, 1.1 billion doses have been administered on the continent. Of these doses administered, 570.7 million people have been partially vaccinated, and 446.9 million have been fully vaccinated. Eritrea is the only AU MS yet to start COVID-19 vaccination roll out.

For Epi week 50 (11 - 17 December 2023), 99 new COVID-19 cases and no new deaths were reported in Africa. Also, over 3,000 tests were conducted during the past week. Since February 2020, over 137 million COVID-19 tests have been conducted in Africa.

#### Response by MS/partner/Africa CDC:

The Public Health Emergency Operations Centre (PHEOC) of the Africa CDC was activated for COVID-19 since 27 January 2020. For more information on Africa CDC's response efforts please refer to Africa CDC's website.

## Mpox in Africa

**1,431** confirmed human case(s)  
**10,632** suspected human case(s)  
**9** human deaths (**CFR: 0.6%**)

Agent/Pathogen	Mpox virus	First Reported	17-Jan-2023	Previous Report Update	17-Nov-2023
First Occurred	1-Jan-2023	Country	Multiple Countries	Location	7 MS
Source	Ministry of Health	GeoScope	LOW	Human Risk Assessment	MODERATE
Animal Risk Assessment	MODERATE				

### Update to Event:

Since the beginning of this year, 12,063 cases (1,431 confirmed; 10,632 suspected) and nine confirmed deaths\* (CFR: 0.6%) of mpox have been reported from seven AU MS: Cameroon [140 cases; 1 death(s)], CAR (67; 2), Congo (95; 2), DRC (14,200; 715), Ghana (11; 0), Liberia (9; 0) and Nigeria (79; 2). This week, 924 new suspected cases and 120 new deaths among suspected cases of mpox were reported from Cameroon, Congo and DRC.

**Cameroon:** Since the last update (17 November 2023), the MoH reported 3 suspected cases and no new deaths of mpox. Cumulatively, 140 cases (27 confirmed and 113 suspected cases) and no deaths of mpox were reported from one (Sud-Ouest) of the 10 regions in Cameroon.

**Congo:** Since the last report (1 December 2023), the MoH reported four suspected cases of mpox and no death from Mossaka-Loukolela (1 case) and Enyelle-Betou (3); health districts. Cumulatively, 95 cases (21 confirmed and 74 suspected) and five deaths (CFR: 23.8%) have been reported in seven of 12 provinces of Congo.

**DRC:** Since the last update (4 August 2023), the MoH reported a batch of 917 cases (501 confirmed; 416 suspected) and 120 new suspected deaths of mpox from 11 regions in the country. Cumulatively, 14,200 cases (1,215 confirmed; 12,985 suspected) and 715 suspected deaths of mpox were reported from 23 of the 26 regions in DRC.

### Response by MS/partner/Africa CDC:

The MoH continues to intensify surveillance, active case search, risk communication and community engagement activities in the affected districts.



## Measles in Africa

**21,527** confirmed human case(s), **346,833** suspected human case(s)  
**5,392** human deaths (**CFR: 1.5%**)

Agent/Pathogen	Measles virus	First Reported	6-Jan-2023	Previous Report Update	15-Dec-2023
First Occurred	1-Jan-2023	Country	Multiple Countries	Location	28 MS
Source	Ministry of Health	GeoScope	HIGH	Human Risk Assessment	MODERATE

### Update to Event:

Since the beginning of this year, 368,360 (21,527 confirmed; 346,833 suspected) and 5,392 deaths (CFR: 1.5%) of measles were reported from 28 AU MS: Angola (6,203 cases; 53 deaths), Botswana (13; 0), Burkina Faso (1,701; 2), Burundi (1,150; 0), Cameroon (8,503; 64), Central African Republic (CAR) (2,873; 0), Chad (9,932; 8), Congo (690; 5), DRC (257,337; 4,855), Ethiopia (28,404; 213), Gabon (3,108; 0), Gambia (208; 0), Ghana (212; 0), Guinea (1,011; 2), Kenya (1,551; 24), Libya (391; 2), Liberia (8,501; 9), Malawi (32; 0), Mali (1,580; 0), Mauritania (899; 8), Mozambique (1,342; 0), Niger (1,690; 0), Senegal (4,534; 0), Somalia (12,064; 0), South Africa (946; 0), South Sudan (6,030; 145), Uganda (409; 1) and Zambia (7,046; 1). This week, 2,199 new cases and six new deaths were reported from Ethiopia, Kenya and Somalia.

**Ethiopia:** Since the last update, (15 December 2023), the EPHI reported 1,834 new suspected cases and six new deaths (CFR: 0.3%) of measles. Cumulatively, 28,404 suspected cases and 213 deaths (CFR: 0.7%) have been reported from Ethiopia. The outbreak is active in eight of the 11 regions in the country, four of which account for 89% of the cases: Amhara, Oromia, Somali and South West Ethiopia People's Region. Fifty-three percent (53%) cases are among children below five years and 45% have no history of measles vaccination.

**Kenya:** Since the last update (24 November 2023), the MoH reported 134 new confirmed cases of measles. Cumulatively, 1,551 cases (380 confirmed; 1,171 suspected) and 24 deaths (CFR:1.5%) were reported from 16 of 47 counties in Kenya. Forty percent of the cases are from Mandera County.

**Somalia:** Since the last update (15 December 2023), the MoH reported 231 new suspected cases and no new deaths of measles. Cumulatively, 12,064 cases (84 confirmed; 11,980 suspected) and no deaths of measles have been reported from Somalia. The most affected regions include Banadir (3,598 cases), Bay (2,102), and Lower Juba (1,819). Seventy-three percent (73%) of the total cases were children under five years.

### Response by MS/partner/Africa CDC:

The Ministries of Health in the affected MS continue to strengthen measles surveillance, case management and conduct supplemental immunization activities in the affected areas.

## Polio (vacc) in Africa

**400** confirmed human case(s)  
**0** human deaths (**CFR: 0%**)

Agent/Pathogen	Polio virus (vaccine-derived)	First Reported	1-Jan-2023	Previous Report Update	8-Dec-2023
First Occurred	1-Jan-2023	Country	Multiple Countries	Location	17 MS
Source	Global Polio Eradication Initiative	GeoScope	MODERATE	Human Risk Assessment	MODERATE

### Update to Event:

Since the beginning of 2023, the continent has reported 115 cases of circulating vaccine-derived poliovirus type 1 (cVDPV1) from DRC (94 cases), Madagascar (18), Mozambique (3) and 285 cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) from 15 MS: Benin (3 cases), Burkina Faso (1), Burundi (3), CAR (14), Chad (48), Côte d'Ivoire (3), DRC (110), Guinea (21), Kenya (8), Mali (8), Niger (1), Nigeria (57), Tanzania (2), Somalia (5) and Zambia (1). This week, five new cases of cVDPV1 and 13 new cases of cVDPV2 and no new deaths were reported from Chad, DRC, Guinea, Madagascar and Nigeria.

**Chad:** Since the last update (24 November 2023), the MoH reported two new cases and no new deaths of cVDPV2 from N'Djamena and Moyen Chari regions. Cumulatively, 48 confirmed cases and no deaths of cVDPV2 were reported from 11 of the 23 regions in Chad.

**DRC:** Since the last report (8 December 2023), the MoH reported four new cases of cVDPV1 and one new case of cVDPV2 from Tanganyika and Nord Ubangi respectively. Cumulatively, 94 cases of cVDPV1 and 110 cases of cVDPV2 with no new deaths have been reported from DRC in 2023.

**Guinea:** Since the last report (24 November 2023), the MoH reported eight new cases and no new death of cVDPV2 from Kankan (7) and Kindia (1) regions. Cumulatively, 21 cases and no deaths of cVDPV2 have been reported from Guinea this year.

**Madagascar:** Since the last update (29 September 2023), the MoH reported one new case of cVDPV1 from Betsiboka. Cumulatively, 18 cases of cVDPV1 have been reported from 10 regions: Analamanga (8), Androy (2), Antananarivo (1), Boeni (1), Betsiboka (1), Haute Matsiatra (1), Ihorombe (1), Menabe (1), Sofia (1) and Sud Ouest (1) regions.

**Nigeria:** Since the last update (8 December 2023), the MoH reported two new cases and no new deaths of cVDPV2 from Kano and Katsina. Cumulatively, 57 confirmed cases and no deaths of cVDPV2 were reported from Nigeria in 2023.

### Response by MS/partner/Africa CDC:

The Ministries of Health in the affected MS continue to strengthen acute flaccid paralysis surveillance and routine immunization.



## Yellow fever in Africa

**147** confirmed human case(s), **2,770** suspected human case(s)  
**39** human deaths (**CFR: 1.3%**)

Agent/Pathogen	Yellow fever virus	First Reported	6-Jan-2023	Previous Report Update	15-Dec-2023
First Occurred	1-Jan-2023	Country	Multiple Countries	Location	7 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	MODERATE
Animal Risk Assessment	MODERATE				

### Update to Event:

Since the beginning of 2023, a total of 2,917 cases (147 confirmed; 2,770 suspected) and 39 deaths (CFR: 1.3%) of yellow fever were reported from seven AU MS: Cameroon (51 cases; 6 deaths), CAR (349; 6), Congo (389; 2), Gabon (119; 0), Guinea (178; 4), Nigeria (1,819; 21) and Uganda (12; 0). This week, 41 new cases and no new deaths of yellow fever were reported from Congo and Gabon.

**Congo:** Since the last update (17 November 2023), the MoH reported 35 suspected cases and no new deaths of yellow fever from 6 out of 12 provinces. Cumulatively, 389 cases (15 confirmed; 374 suspected) and two deaths (CFR: 0.5%) were reported from 11 out of 12 provinces across the country.

**Gabon:** Since the last update, (17 November 2023), the MoH reported six suspected cases of yellow fever from Centre-Sud (1), Ouest (2) and Maritime (3) regions. Cumulatively, 119 suspected cases and no deaths of yellow fever have been reported from :Centre (8 cases); Centre-Est (1); Centre-Sud (14); Est (11); Libreville-Owendo (35); Maritime (16); Nord (12); Ouest (10); Sud (4) and Sud-Est (8) regions.

### Response by MS/partner/Africa CDC:

The Ministries of Health in these MS are implementing vector control and community engagement activities in the affected areas.

## High Risk Events

### Floods in Kenya

**545,895** displaced persons  
**174** human deaths

Agent/Pathogen	<b>Floods</b>	First Reported	<b>1-Dec-2023</b>	Previous Report Update	<b>8-Dec-2023</b>
First Occurred	<b>1-Nov-2023</b>	Country	<b>Kenya</b>	Location	<b>33 Counties</b>
Source	<b>Ministry of Health</b>	GeoScope	<b>LOW</b>	Human Risk Assessment	<b>HIGH</b>

#### Update to Event:

Since the last update, the MoH reported 14 new deaths and 83,735 new displaced persons. Cumulatively, a total of 174 deaths and 545,895 displaced persons have been reported from 33 of 47 counties in Kenya as a result of the floods. Healthcare services in 10 counties were disrupted as a result of the flood, leading to an upsurge of cholera cases in Lamu county, where 153 cases and three deaths have been reported.

#### Response by MS/partner/Africa CDC:

The MoH activated the national and county PHEOCs and developed the El Nino contingency plan. In addition, the government and partners are conducting risk communication and enhanced disease surveillance activities, providing water, sanitation and hygiene supplies, mapping and repairing affected infrastructure, and prepositioning of cholera kits.

-Cases in this report include confirmed, probable and suspected cases

-Case fatality rates are calculated using confirmed cases and deaths only, except for bacterial meningitis, cholera, measles, dengue and yellow fever where CFR is calculated using all cases and deaths.

-The GeoScope level is determined by where the event is currently occurring on the continent. Low: event is limited to sub-national areas within one MS; Moderate: Event is affecting multiple countries within an AU region, or have been imported from/exported to 1-2 countries from another global region; High: Event is affecting several multinational AU regions, or have been imported from/exported to >2 countries from another global region; Very High: Event is considered a pandemic, affecting multiple continents or worldwide. The risk level is determined by evaluating the following criteria: morbidity and mortality of the disease, probability to spread within and to the other MSs, and availability of effective treatments, vaccines, or other control measures. An event risk level can be classified as low, moderate, high and very high depending on how they score on the above criteria.

Country	Risk Assessment	Enhance Surveillance	EOC Activation	Vaccination	Vector Control	Multisectoral Coordination	Capacity Building
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			