

# Africa CDC Epidemic Intelligence Report

Date of Issue: 26 Nov 2023

Events reported in 2023

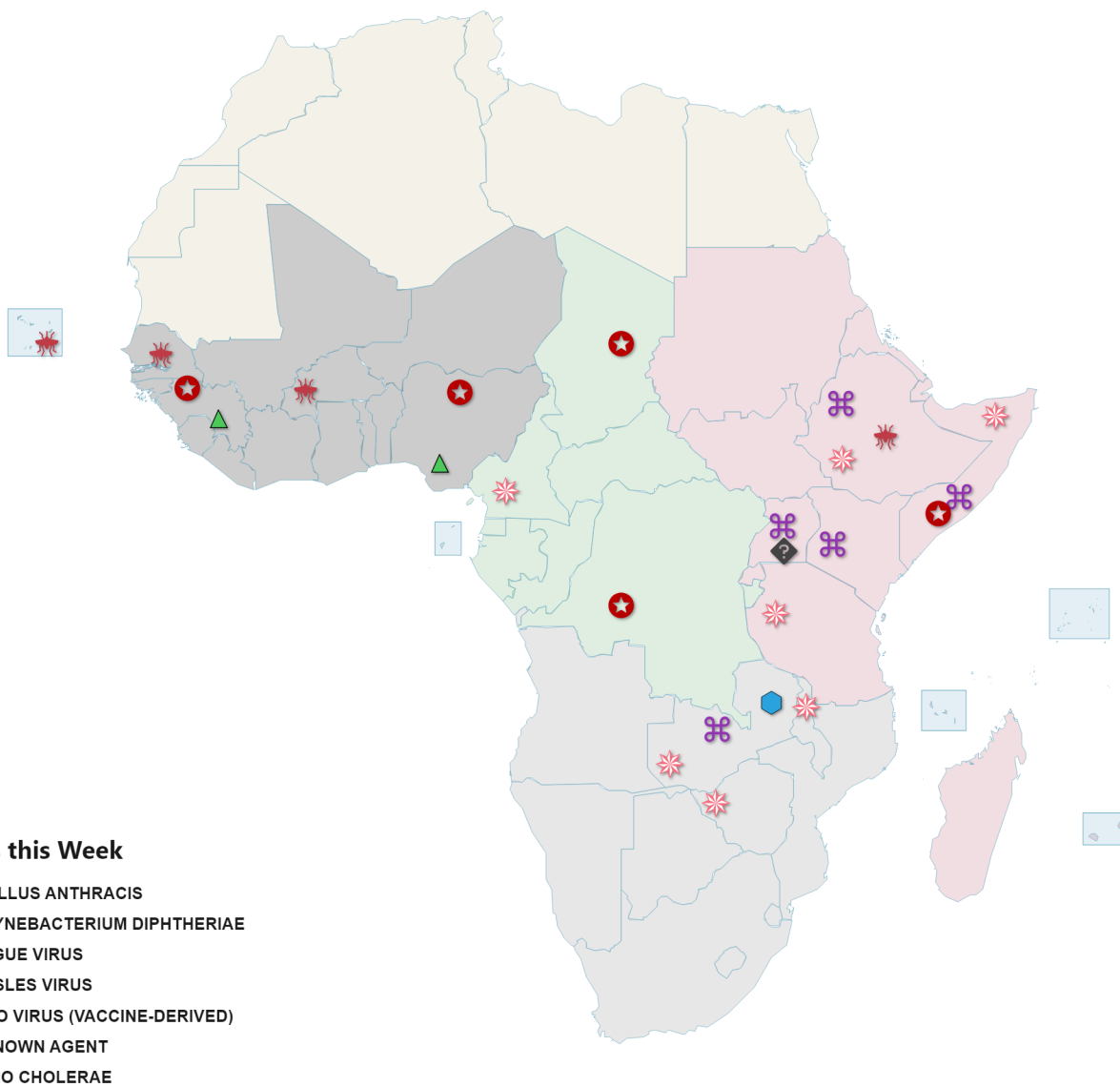
158

Events highlighted this week

24

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.































Event Type	Risk Level		
	Very High (New)	High (New)	Moderate (New)
Human	0	12 (1)	12
Animal	0	0	0
Environment	0	0	0

# Event Summary

## New events since last issue

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Confirmed	Deaths
 Unknown agent	Uganda	High	none		34	24

## Events Highlighted this week

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected (New)	Probable (New)	Confirmed (New)	Deaths (New)
 Bacillus anthracis	Zambia	High	High		659 (71)		25 (7)	4
 Corynebacterium diphtheriae	Guinea	High	none		1,112 (592)		22 (4)	70 (12)
	Nigeria	High	none		7,441 (515)		11,617 (427)	573 (13)
 Dengue virus	Burkina Faso	Moderate	Low		109,908 (14,123)	49,808 (7,292)	17,125	511 (90)
	Cabo Verde	High	none		58 (52)		7 (5)	
	Ethiopia	Moderate	none		16,566 (301)		127	15
	Senegal	Moderate	none				118 (44)	
 Measles virus	Ethiopia	High	none		22,365 (1,089)			184 (22)
	Kenya	Moderate	none			2,170 (1,085)	332 (42)	48 (24)
	Somalia	Moderate	none		11,013 (198)		84	
	Uganda	Moderate	none		112 (47)		18 (4)	
	Zambia	High	none		6,510 (6,281)		861 (104)	45 (42)
 Polio virus (vaccine-derived)	Chad	Moderate	none				41 (5)	
	Democratic Republic of the Congo	Moderate	none				151 (39)	
	Guinea	Moderate	none				13 (5)	
	Nigeria	Moderate	none				43 (8)	
	Somalia	Moderate	none				5 (1)	
 Vibrio cholerae	Cameroon	High	Moderate		21,125 (73)		2,083 (1)	679 (6)
	Ethiopia	High	none		26,525 (377)		26	357 (3)
	Malawi	High	Moderate				59,092 (7)	1,770 (1)
	Somalia	High	none		15,279 (372)		275 (11)	43 (1)
	Tanzania	Moderate	none		641 (26)		1	15
	Zambia	High	Moderate		1,284 (168)		438	33 (3)
	Zimbabwe	High	Moderate		5,689 (574)		1,304 (64)	206 (14)

## High Risk Events

### Unknown Illness in Uganda

**34** confirmed case(s)  
**24** deaths (**CFR: 70.6%**)

Agent/Pathogen	Unknown agent	First Reported	23-Nov-2023	Previous Report Update	23-Nov-2023
First Occurred	6-Aug-2023	Country	Uganda	Location	1 district
Source	Ministry of Health	GeoScope	LOW	Human Risk Assessment	HIGH

#### Description:

On 22 November 2023, the Ugandan Ministry of Health reported an outbreak of an unknown illness in Kabira sub-county, Kyotera district, central Uganda. An initial report from the Kyotera district health team on 13 August 2023, indicated the occurrence of six deaths from multiple villages in Kabira sub-county between 6 - 10 August 2023. The common symptoms among the cases were headache, chest pain, difficulty in breathing, difficulty in swallowing, dry cough, blisters and swelling of the limbs. Majority of the cases were reported to have eaten meat from dead cattle sold in open markets in Kabira sub-county, prior to the onset of symptoms. Two human specimens submitted to the Uganda Virus Research Institute for analyses tested negative for anthrax. Two more samples have been submitted for analysis. Cumulatively, 34 human cases and 24 deaths have been reported from Kyotera district Uganda. In addition, farmers from the same district have reported the death of at least 25 cattle within the same period.

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

The MoH and partners deployed a rapid response team (RRT) to conduct epidemiological investigations. The RRT initiated active surveillance and risk communication in the affected areas. In addition, the district veterinary office plans to strengthen meat inspection and infection prevention and control measures within slaughterhouses and butcheries across Kyotera district.

## High Risk Events

### Dengue fever in Africa

**20,785** confirmed case(s), **49,808** probable case(s), **131,858** suspected case(s)  
**552** deaths (**CFR: 0.3%**)

Agent/Pathogen	Dengue virus	First Reported	26-Jul-2023	Previous Report Update	17-Nov-2023
First Occurred	1-Jan-2023	Country	Multiple Countries	Location	14 MS
Source	Ministry of Health	GeoScope	LOW	Human Risk Assessment	HIGH

#### Update to Event:

Since the beginning of this year, a total of 202,451 cases (20,785 confirmed; 49,808 probable; 131,858 suspected) and 552 deaths [case fatality rate (CFR: 0.3%)] of dengue fever have been reported in 14 African Union (AU) Member States (MS): Angola (3 cases; 0 deaths), Burkina Faso (176,841; 511), Cabo Verde (65; 0), Chad (1,581; 1), Cote d'Ivoire (107; 0), Egypt (578; 0), Ethiopia (16,693; 15), Guinea (6; 1), Mali (3,295; 6), Mauritius (265; 0), Sao Tome and Principe (1,227; 11), Senegal (118; 0), Sudan (1,664; 7) and Togo (8; 0). This week, 14,224 new cases and 90 new deaths of dengue fever were reported from four AU MS: Burkina Faso, Cabo Verde, Ethiopia and Senegal.

**Burkina Faso:** Since the last update (17 November 2023), the Ministry of Health (MoH) reported 21,415 new cases (14,123 suspected; 7,292 probable) and 90 new deaths (CFR: 0.4%) of dengue fever. Cumulatively, 176,841 cases (17,125 confirmed; 49,808 probable; 109,908 suspected) and 511 deaths (CFR: 0.3%) of dengue fever have been reported from all 13 regions in the country.

**Cabo Verde:** Since the last update (17 November 2023) the MoH reported 57 new cases (5 confirmed; 52 suspected) and no new deaths of dengue fever from Praia council. Cumulatively, 65 cases (7 confirmed; 58 suspected) and no deaths of dengue fever were reported from Cabo Verde.

**Ethiopia:** Since the last update (17 November 2023), the Ethiopian Public Health Institute (EPHI) reported 301 new suspected cases and no new deaths of dengue fever. Cumulatively, 16,693 cases (127 confirmed; 16,566 suspected) and 15 deaths (CFR: 0.09%) have been reported from four of the 11 regions in Ethiopia. Majority (97%) of the cases were reported from Afar region.

**Senegal:** Since the last update (8 November 2023), the MoH reported 44 new confirmed cases and no new deaths of dengue fever from four districts. Cumulatively, 118 confirmed cases and no deaths of dengue fever were reported from four regions of the 14 regions in Senegal. Females accounted for 53% of all the confirmed cases reported.

#### 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.

## Corynebacterium diphtheria in Africa

**12,026** confirmed case(s)

**10,477** suspected case(s)

**750** deaths (**CFR: 6.2%**)

Agent/Pathogen	<b>Corynebacterium diphtheriae</b>	First Reported	<b>4-Aug-2023</b>	Previous Report Update	<b>17-Nov-2023</b>
First Occurred	<b>18-Jan-2023</b>	Country	<b>Multiple Countries</b>	Location	<b>6 MS</b>
Source	<b>Ministry of Health</b>	GeoScope	<b>MODERATE</b>	Human Risk Assessment	<b>HIGH</b>

### Update to Event:

Since January 2023, a total of 22,503 cases (12,026 confirmed; 10,477 suspected) and 750 deaths (CFR: 6.2%) of diphtheria have been reported in six AU MS: Algeria (80 cases; 10 deaths), Guinea (1,134; 70), Mauritania (20; 5), Niger (2,198; 91), Nigeria (19,058; 573) and South Africa (13; 1). Nigeria accounts for 85% of all cases reported in Africa.

This week, a total of 1,538 new cases and 25 new deaths of diphtheria were reported from two AU MS: Guinea and Nigeria.

**Guinea:** Since the last update (17 November 2023), the MoH reported 596 new cases (4 confirmed; 592 suspected) and 12 new deaths among suspected cases. The new cases of diphtheria were reported from Kankan and Faranah regions. Cumulatively, 1,134 cases (22 confirmed; 1,112 suspected) and 70 deaths, of which 13 were among confirmed cases (CFR: 59%) have been reported from Kankan and Faranah regions of the country. Majority of the cases (96%) and deaths (51%) were reported from Siguiri district in Kankan region. Females account for 62% of all cases and children between 1 - 4 years were the most affected (82%).

**Nigeria:** Since the last update (17 November 2023), the Nigeria CDC reported 942 new cases (427 confirmed; 515 suspected) and 13 new deaths (CFR: 3%) of diphtheria, which is a 61% increase in the number of new cases reported compared to the previous week. Cumulatively, 19,058 cases (11,617 confirmed; 7,441 suspected) and 573 deaths (CFR: 4.9%) have been reported from 31 of 36 states of Nigeria. Of the confirmed cases, only 25% were fully vaccinated and 58% were females.

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

The Ministries of Health of the affected MS continue to coordinate the response activities by conducting case management, contact tracing, risk communication, community engagement and supplemental vaccination activities.

## Moderate Risk Events

### COVID-19 in Africa

**12,323,964** confirmed case(s)  
**257,173** deaths (**CFR: 2.1%**)

Agent/Pathogen	SARS-CoV-2	First Reported	21-Feb-2020	Previous Report Update	17-Nov-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) 22 November 2023, a total of 12,323,964 COVID-19 cases and 257,173 deaths (CFR: 2.1%) have been reported by the 55 African Union Member States (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 (VUM).

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 46 (13 - 19 November 2023), thirty three new COVID-19 cases and no new deaths were reported in Africa. Also, no new tests were conducted during the past week. Since February 2020, over 133.4 million COVID-19 tests have been conducted in Africa.

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

The EOC of the Africa Centres for Disease Control and Prevention (Africa CDC) has been activated for COVID-19 since 27 January 2020. For more information on Africa CDC's response efforts please refer to Africa CDC's website.



## Cholera in Africa

**88,683** confirmed case(s), **123,089** suspected case(s)  
**3,301** deaths (CFR: **1.6%**)

Agent/Pathogen	<b>Vibrio cholerae</b>	First Reported	<b>6-Jan-2023</b>	Previous Report Update	<b>17-Nov-2023</b>
First Occurred	<b>1-Jan-2023</b>	Country	<b>Multiple Countries</b>	Location	<b>18 MS</b>
Source	<b>Ministry of Health</b>	GeoScope	<b>MODERATE</b>	Human Risk Assessment	<b>MODERATE</b>

### Update to Event:

Since the beginning of this year, 211,772 cases (88,683 confirmed; 123,089 suspected) and 3,301 deaths (CFR: 1.6%) of cholera were reported from 18 AU MS: Burundi (1,227 cases; 9 deaths), Cameroon (21,199; 507), Congo (93; 9), Democratic Republic of Congo (DRC) (39,638; 342), Eswatini (2; 0), Ethiopia (26,551; 357), Kenya (8,817; 145), Malawi (43,006; 1,261), Mozambique (36,991; 150), Nigeria (2,860; 84), Somalia (15,554; 43), South Africa (1,074; 47), Sudan (2,525; 78), South Sudan (1,471; 2), Tanzania (729; 18), Uganda (78; 10), Zambia (1,722; 33) and Zimbabwe (8,235; 206). This week, 1,872 new cases and 27 new deaths of cholera were reported from seven AU MS: Cameroon, Ethiopia, Malawi, Somalia, Tanzania, Zambia and Zimbabwe.

**Cameroon:** Since the last update (17 November 2023), the MoH reported 74 new cases (1 new confirmed; 73 suspected) and six new deaths (CFR: 8.1%) of cholera. Cumulatively 21,199 cases (2,084 confirmed; 19,115 suspected) and 507 deaths (CFR: 2.4%) of cholera have been reported from all ten regions in Cameroon. The outbreak is active in 22 health districts in seven regions (Adamaoua, Centre, Extreme-Nord, Littoral, Nord, Ouest and Sud).

**Ethiopia:** Since the last update (17 November 2023), the EPHI reported 377 new suspected cases and three new deaths (CFR: 0.8%) of cholera. Cumulatively, 26,551 cases (26 confirmed; 26,525 suspected) and 357 deaths (CFR: 1.3%) were reported from 10 of the 11 regions in Ethiopia. Oromia and the South Ethiopia region accounts for 62% of the cases.

**Malawi:** Since the last update (17 November 2023), the MoH reported seven new confirmed cases and no new deaths of cholera from Kalonga, Lilongwe and Thyoro districts. Cumulatively, 43,006 confirmed cases and 1,261 deaths (CFR: 2.9%) were reported from all 29 districts in Malawi.

**Somalia:** Since the last update (17 November 2023), the MoH reported 383 new cases (11 confirmed; 372 suspected) and one new death (CFR: 0.3%) of cholera. Cumulatively, 15,554 cases (275 confirmed; 15,279 suspected) and 43 deaths (CFR: 0.3%) have been reported from 29 of 74 districts in the country. Children under five years make up 54% of the cases. This outbreak has been uninterrupted in the drought-affected districts since 2022 and in the Banadir region since 2017.

**Tanzania:** Since the last update (10 November 2023), the MoH reported 26 new cases and no new deaths of cholera. Cumulatively, 729 cases (15 confirmed; 714 suspected) and 18 deaths (CFR: 2.5%) were reported from 6 of 31 districts. This is the second outbreak of cholera reported in Tanzania this year.

**Zambia:** Since the last update (17 November 2023), the Zambia National Public Health Institute (ZNPPI) reported 168 new suspected cases and three new deaths (CFR: 1.8%) from three districts: Chongwe, Luangwa and Lusaka. Cumulatively, 1,722 cases (438 confirmed; 1,184 suspected) and 33 deaths (CFR: 1.9%) have been reported this year from 11 of 116 districts in Zambia. The outbreak is only active in Lusaka province.

**Zimbabwe:** Since the last update (17 November 2023), the MoH reported 837 new cases (64 confirmed; 773 suspected) and 14 new deaths (CFR: 1.7%) of cholera. Cumulatively, 8,235 cases (1,304 confirmed; 6,931 suspected) and 206 deaths (CFR: 2.5%) 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.

## Measles in Africa

**21,318** confirmed case(s), **339,673** suspected case(s)  
**5,363** deaths (**CFR: 1.5%**)  
**2** HCW confirmed case(s)

Agent/Pathogen	<b>Measles virus</b>	First Reported	<b>6-Jan-2023</b>	Previous Report Update	<b>17-Nov-2023</b>
First Occurred	<b>1-Jan-2023</b>	Country	<b>Multiple Countries</b>	Location	<b>28 MS</b>
Source	<b>Ministry of Health</b>	GeoScope	<b>HIGH</b>	Human Risk Assessment	<b>MODERATE</b>

### Update to Event:

Since the beginning of this year, 360,991 (21,318 confirmed; 339,673 suspected) and 5,363 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 (22,365; 184), Gabon (3,108; 0), Gambia (208; 0), Ghana (212; 0), Guinea (1,011; 2), Kenya (1,417; 24), Libya (391; 2), Liberia (8,435; 9), Malawi (32; 0), Mali (1,580; 0), Mauritania (866; 8), Mozambique (1,342; 0), Niger (1,690; 0), Senegal (4,475; 0), Somalia (11,097; 0), South Africa (896; 0), South Sudan (6,030; 145), Uganda (388; 1) and Zambia (7046; 1). This week, 2,677 new cases and 22 new deaths were reported from five AU MS: Ethiopia, Kenya, Somalia, Uganda and Zambia.

**Ethiopia:** Since the last update, (17 November 2023), the EPHI reported 1,089 new suspected cases and 22 new deaths (CFR: 2%) of measles. Cumulatively, 22,365 suspected cases and 184 deaths (CFR: 0.8%) have been reported from Ethiopia. The outbreak is active in eight of the 11 regions in the country, four of which account for 80% of the cases: Amhara, Oromia, Somali and Southern Nations, Nationalities and People's region.

**Kenya:** Since the last update (10 November 2023), the MoH reported 42 new confirmed cases of measles and no new deaths of measles. Cumulatively, 1,417 cases (332 confirmed; 1,085 suspected) and 24 deaths (CFR: 1.7%) were reported from 16 of 47 counties in Kenya. Forty percent (40%) of the cases are from Mandera county.

**Somalia:** Since the last update (10 November 2023), the MoH reported 198 new suspected cases and no new deaths of measles. Cumulatively, 11,097 cases (84 confirmed; 11,013 suspected) and no deaths of measles have been reported from 10 of 18 regions in Somalia. The most affected regions include Banadir (3,319 cases), Bay (2,055), and Lower Juba (1,645). Seventy-four percent (74%) of the total cases were children under five years.

**Uganda:** Since the last update (17 November 2023), the MoH reported 51 new cases (4 confirmed; 47 suspected) and no new deaths of measles. Cumulatively, 388 cases (33 confirmed; 355 suspected) and one death (CFR: 0.3%) have been reported from two of 146 districts in Uganda; Kiryandongo (341 cases; 1 death) and Kyegegwa (47; 0) districts. This is the second outbreak of measles reported in Kiryandongo district this year.

**Zambia:** Since the last update (17 November 2023), the ZNPHI reported 1,297 new cases (33 confirmed; 1,264 suspected) and no deaths of measles from eight provinces. Cumulatively, 7,046 cases (536 confirmed; 5,610 suspected) and one death (CFR: 0.01%) from all the 10 provinces in Zambia.

### 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

**360** confirmed case(s)  
**0** deaths (**CFR: 0%**)

Agent/Pathogen	Polio virus (vaccine-derived)	First Reported	1-Jan-2023	Previous Report Update	17-Nov-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 103 cases of circulating vaccine-derived poliovirus type 1 (cVDPV1) from DRC (83 cases), Madagascar (17), Mozambique (3) and 257 cases of circulating vaccine-derived poliovirus type 2 (cVDPV2) from 15 MS: Benin (3 cases), Burkina Faso (1), Burundi (3), CAR (13), Chad (46), Côte d'Ivoire (3), DRC (107), Guinea (13), Kenya (8), Mali (8), Niger (1), Nigeria (43), Tanzania (2), Somalia (5) and Zambia (1). This week, 27 new cases of cVDPV2 and no new deaths were reported from Guinea, Nigeria and Somalia.

**Guinea:** Since the last update (17 November 2023), the MoH reported five new confirmed cases and no deaths of cVDPV2 from Kankan region. Cumulatively, 13 cases and no deaths of cVDPV2 have been reported from the country.

**Nigeria:** Since the last update (10 November 2023), the MoH reported eight new confirmed cases of cVDPV2 from five states: Borno (1), Jigawa (1), Kano (2), Katsina (3) and Plateau (1) states. Cumulatively, 43 confirmed cases and no deaths of cVDPV2 were reported from six of the 36 states and federal capital territory.

**Somalia:** Since the last update (10 November 2023), the MoH reported one confirmed case and no deaths of cVDPV2 from Bay region. Cumulatively, five confirmed cases and no deaths of cVDPV2 have been reported from four of eight regions in Somalia.

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

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

The Africa CDC conducted a continental polio stakeholders workshop in Kinshasa, Democratic Republic of Congo, from 23 - 25 October 2023, aimed at strengthening polio surveillance in affected AU MS.

## Yellow fever in Africa

**144** confirmed case(s), **2,688** suspected case(s)  
**38** deaths (CFR: **1.3%**)

Agent/Pathogen	Yellow fever virus	First Reported	6-Jan-2023	Previous Report Update	17-Nov-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 2,832 cases (144 confirmed; 2,688 suspected) and 38 deaths (CFR: 1.3%) of yellow fever were reported from seven AU MS: Cameroon (48 cases; 6 deaths), CAR (326; 5), Congo (336; 2), Gabon (113; 0), Guinea (178; 4), Nigeria (1,819; 21) and Uganda (12; 0). This week, two new cases and no new deaths of yellow fever were reported from Cameroon.

**Cameroon:** Since the last report (17 November 2023) the MoH reported two new confirmed cases and no new deaths of yellow fever have been reported in Littoral region. Cumulatively, 48 cases (38 confirmed; 10 suspected) and six deaths (CFR: 13%) were reported from nine regions: Adamaoua (2 cases); Centre (3), Est (2), Extreme-Nord (2), Littoral (11), Nord (5), Nord-Ouest (3), Ouest (2), Sud (5) and Sud-Ouest (3). Of the confirmed cases, 41% were not vaccinated against yellow fever.

### 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.

## Lassa fever in Africa

**1,172** confirmed case(s)  
**8,253** suspected case(s)  
**198** deaths (**CFR: 16.9%**)

Agent/Pathogen	Lassa virus	First Reported	27-Jan-2023	Previous Report Update	17-Nov-2023
First Occurred	2-Jan-2023	Country	Multiple Countries	Location	2 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	MODERATE

### Update to Event:

Since the beginning of this year, 9,425 cases (1,172 confirmed; 8,253 suspected) and 198 deaths (CFR: 16.9%) of Lassa fever were reported from five AU MS: Ghana (27 cases; 1 death), Guinea (133; 3), Liberia (186; 5), Nigeria (8,819; 188) and Sierra Leone (6; 2). This week, 40 new cases and one new death of Lassa fever were reported from Guinea.

**Guinea:** Since the last update (25 August 2023), the MoH reported 40 new cases (1 confirmed; 39 suspected) and one new death (CFR: 2.5%) of Lassa fever from Gueckedou region. Cumulatively, 133 cases (8 confirmed; 125 suspected) and three deaths (CFR: 2.3%) have been reported from two (Gueckedou and Nzerekore) of the seven regions.

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

The MoH deployed a rapid response team (RRT) to the affected area to conduct active case search, case management, and risk communication.

## Chikungunya in Africa

**554** confirmed case(s), **242** suspected case(s)  
**0** deaths (**CFR: 0%**)

Agent/Pathogen	Chikungunya virus	First Reported	23-Jun-2023	Previous Report Update	17-Nov-2023
First Occurred	14-Jul-2023	Country	Multiple Countries	Location	3 MS
Source	Ministry of Health	GeoScope	LOW	Human Risk Assessment	MODERATE

### Update to Event:

Since the beginning of this year, 796 cases (554 confirmed; 242 suspected) and no deaths of chikungunya have been reported from three AU MS: Burkina (473; 0), Mali (8;0) and Senegal (315; 0). This week, 95 new cases and no new deaths of chikungunya were reported from Senegal.

**Senegal:** Since the last update (13 October 2023), the MoH reported 95 new confirmed cases and no new deaths of chikungunya virus from nine districts. Cumulatively, 315 confirmed cases and no deaths of chikungunya have been reported from 20 of 45 districts in the country. Males accounted for 68% of all confirmed cases. Persons between 15 - 35 years were the most affected, accounting for 49% of all the confirmed cases reported.

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

The MoH conducted training of healthcare workers on the epidemiology, clinical management, and public health measures for the prevention and control of chikungunya. Additionally, the MoH continues to conduct risk communication activities in the affected communities.

## High Risk Events

### Anthrax in Africa

**28** confirmed case(s)

**1,045** suspected case(s)

**0** deaths (**CFR: 0%**)

**578** animal case(s)

**121** animal deaths (**CFR: 20.9%**)

Agent/Pathogen	<b>Bacillus anthracis</b>	First Reported	<b>8-Jan-2023</b>	Previous Report Update	<b>17-Nov-2023</b>
First Occurred	<b>1-Jan-2023</b>	Country	<b>Multiple Countries</b>	Location	<b>5 MS</b>
Source	<b>Ministry of Health</b>	GeoScope	<b>HIGH</b>	Human Risk Assessment	<b>HIGH</b>
Animal Risk Assessment	<b>HIGH</b>				

#### Update to Event:

Since the beginning of this year, a total of 1,073 human cases (28 confirmed; 1,045 suspected), four suspected deaths and no confirmed deaths of anthrax have been reported in three AU MS: Uganda (5 human cases; 0 deaths), Zambia (684; 4) and Zimbabwe (384; 0). Three AU MS (Ghana, Nigeria and Zambia) have reported anthrax outbreaks in animals this year. This week, 78 new human cases and no new deaths of anthrax were reported from Zambia.

**Zambia:** Since the last update (17 November 2023), the MoH reported 78 new cases (7 confirmed; 71 suspected) and no new deaths of human anthrax from five provinces. Additionally, 444 cases (390 confirmed; 54 suspected) and 143 deaths of animal anthrax have been reported from four provinces. Cumulatively, 684 cases (25 confirmed; 588 suspected) and four deaths (CFR: 1.1%) of cutaneous human anthrax and 444 animal anthrax have been reported this year from nine of 10 provinces in Zambia.

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

The Ministries of Health of affected MS activated an EOC and deployed a one health rapid response team to conduct enhanced surveillance, risk communication, environmental sanitation, safe burial of dead animals, risk communication and animal vaccination.

\* For dengue fever, new confirmed cases reported were due to batch reporting for the last three weeks in Senegal.

\* 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 mpox 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.