

# Africa CDC Epidemic Intelligence Report

Date of Issue: 25 Nov 2024

Active Events

198

New Events reported  
in 2024

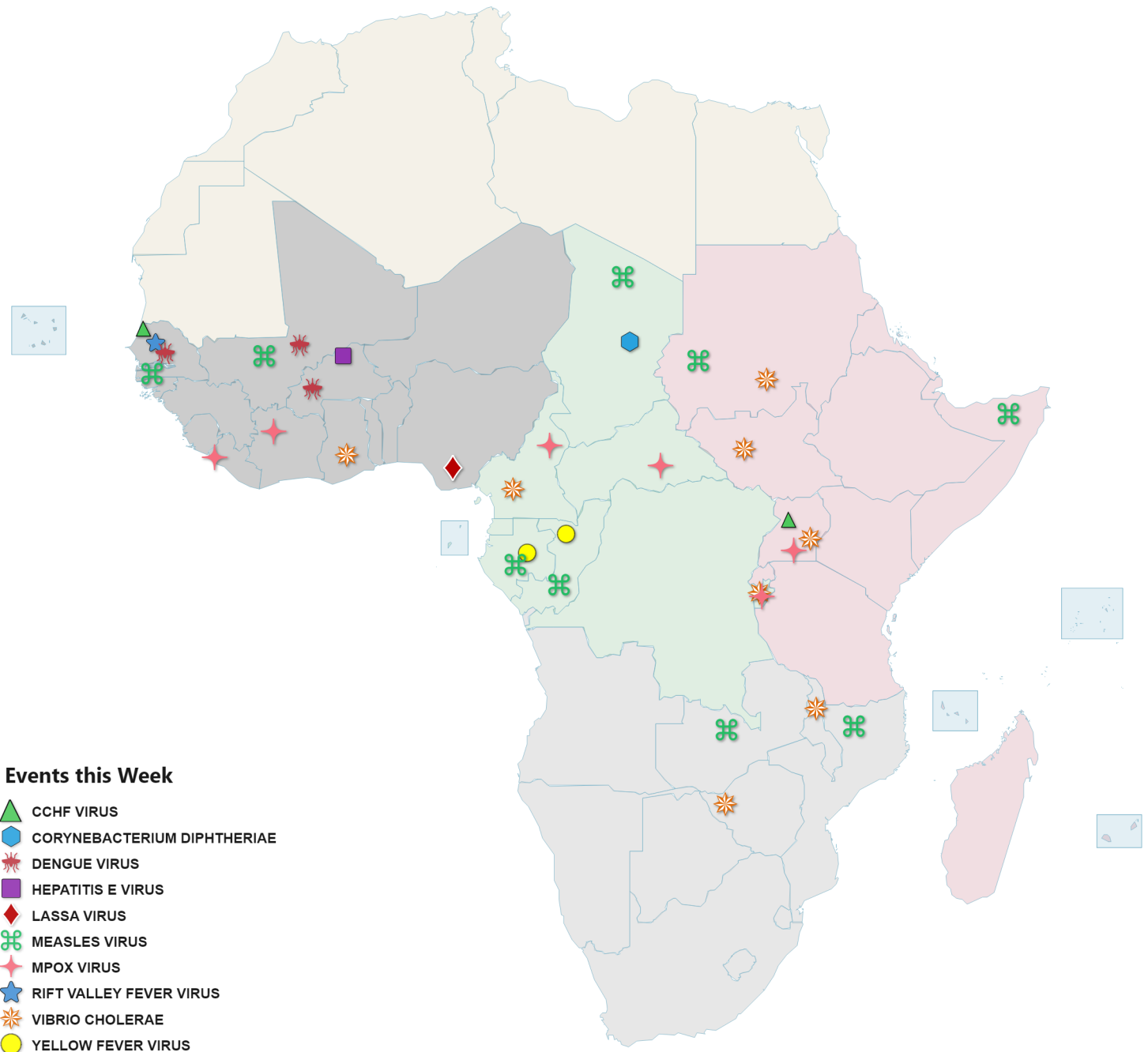
135

Events highlighted  
this week

34

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	7 (1)	27
Animal	0	0	0
Environment	0	0	0

# Event Summary

## New events since last issue

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected	Probable	Confirmed	Deaths
 Vibrio cholerae	Uganda	High	N/A		5	0	1	0

Events Highlighted this week								
Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected (New)	Probable (New)	Confirmed (New)	Deaths (New)
 CCHF virus	Senegal	Moderate	N/A		0 (0)	0 (0)	7 (1)	0 (0)
	Uganda	High	High		8 (8)	4 (0)	8 (1)	4 (1)
 Corynebacterium diphtheriae	Chad	Moderate	N/A		2,243 (212)	0 (0)	2 (0)	70 (0)
 Dengue virus	Burkina Faso	Moderate	N/A		71,836 (3,806)	23,123 (1,425)	0 (0)	97 (6)
	Mali	Moderate	N/A		7,143 (904)	0 (0)	1,124 (226)	12 (0)
	Senegal	Moderate	N/A		0 (0)	0 (0)	386 (205)	0 (0)
 Hepatitis E virus	Burkina Faso	Moderate	N/A		384 (16)	0 (0)	8 (0)	5 (0)
 Lassa virus	Nigeria	Moderate	Moderate		8,959 (109)	0 (0)	1,069 (10)	175 (0)
 Measles virus	Chad	Moderate	N/A		7,614 (19)	0 (0)	978 (0)	27 (0)
	Congo Republic	Moderate	N/A		457 (12)	0 (0)	66 (0)	4 (0)
	Gabon	Moderate	N/A		328 (21)	0 (0)	0 (0)	1 (0)
	Mali	Moderate	N/A		314 (11)	0 (0)	326 (3)	0 (0)
	Mozambique	Moderate	N/A				1,055 (77)	29 (0)
	Senegal	Moderate	N/A		0 (0)	0 (0)	449 (16)	0 (0)
	Somalia	Moderate	N/A		10,410 (137)	0 (0)	719 (15)	34 (0)
	Sudan	High	N/A		651 (8)	0 (0)	0 (0)	10 (0)
	Zambia	Moderate	N/A		4,544 (111)	0 (0)	226 (23)	0 (0)
	Burundi	Moderate	N/A		4,197 (273)	0 (0)	2,050 (187)	0 (0)
	Cameroon	High	N/A		118 (5)	0 (0)	9 (3)	2 (0)
	Central African Republic	High	N/A		425 (22)	0 (0)	74 (3)	2 (0)
	Côte d'Ivoire	Moderate	N/A		426 (14)	0 (0)	97 (6)	1 (0)
 Mpox virus	Liberia	Moderate	N/A		332 (17)	0 (0)	51 (10)	0 (0)
	Uganda	Moderate	N/A		1,210 (78)	0 (0)	521 (78)	1 (0)
	Senegal	Moderate	N/A		0 (0)	0 (0)	2 (1)	0 (0)
	Burundi	Moderate	N/A		2,204 (4)	0 (0)	0 (0)	12 (0)
	Cameroon	High	Moderate		283 (15)	0 (0)	4 (2)	0 (0)
	Ghana	Moderate	N/A		1,726 (706)	324 (74)	131 (59)	16 (6)
	Malawi	Moderate	N/A		96 (8)		19 (13)	10 (4)
 Vibrio cholerae	South Sudan	Moderate	N/A		216 (118)	0 (0)	27 (11)	6 (4)
	Sudan	High	N/A		40,013 (3,975)	0 (0)	55 (0)	838 (44)
	Zimbabwe	Moderate	N/A		65 (19)	0 (0)	5 (0)	1 (0)
	Congo Republic	Moderate	N/A		420 (14)	0 (0)	16 (3)	0 (0)
	Gabon	Moderate	Moderate		123 (19)	0 (0)	9 (0)	0 (0)

Moderate Risk Events

Crimean Congo Haemorrhagic fever (CCHF) in Africa

15 confirmed human case(s)  
8 suspected human case(s)  
4 probable human case(s)  
4 human deaths (CFR: 26.67%)

Agent/Pathogen	CCHF virus	First Reported	19-Jan-2024	Previous Report Update	4-Oct-2024
First Occurred	12-Jan-2024	Country	Multiple Countries	Location	Senegal and Uganda
Source	Ministry of Health	GeoScope	LOW	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

Description:

Since January 2024, a total of 27 cases (15 confirmed; 4 probable; 8 suspected) and four deaths (CFR: 26.67%) of Crimean Congo Haemorrhagic fever (CCHF) have been reported in two African Union (AU) Member States (MS): Senegal (7 cases, 0 death) and Uganda (20 cases; 4 deaths).

This week, 10 new cases and one new death from CCHF were reported from Senegal and Uganda.

**Senegal:** Since the last update (4 October 2024), the MoH reported one new confirmed case and no new deaths of CCHF from Kaffrine health district. Cumulatively, seven confirmed cases and no deaths of CCHF have been reported from five regions in Senegal.

**Uganda:** Since the last update (19 July 2024), the MoH reported nine new cases (1 confirmed; 8 suspected) and one new death (CFR: 11.11%) of Crimean-Congo haemorrhagic fever (CCHF) from Kyenjonjo district. Cumulatively, 20 cases (8 confirmed; 4 probable; 8 suspected) and four deaths (CFR: 50.0%) among confirmed cases, as well as three deaths among probable cases, have been reported from five of 146 districts: Kasese (1 case; 0 deaths), Kiruhura (4; 3), Kyankwanzi (1; 0), Kyenjojo (9; 1) and Lyantonde (5; 3).

Response by MS/partner/Africa CDC:

**Senegal:** The MoH conducted active case search and risk communication activities in the affected communities.

**Uganda:** The MoH activated the national public health emergency operations centre and deployed a rapid response team to conduct epidemiological investigations. In addition, the district continues to conduct contact follow-up, strengthen surveillance among human and animal populations; and intensify risk communication, community engagement, and social mobilization in the affected communities.

## Very High Risk Events

### Mpox in Africa

**56,700** suspected case(s)  
**1,142** human deaths (**CFR: 2.01%**)

Agent/Pathogen	Mpox virus	First Reported	12-Jan-2024	Previous Report Update	15-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	20 MS
Source	Ministry of Health	GeoScope	HIGH	Human Risk Assessment	VERY HIGH
Animal Risk Assessment	N/A				

#### Update to Event:

Between epidemiological weeks 1 and 46, a total of 56,661 cases of mpox, of which 12,586 have been confirmed, and 1,142 deaths [case fatality rate (CFR : 2.01%)] have been reported from 20 African Union (AU) Member States (MS): Angola (1 lab-confirmed cases; 0 deaths), Burundi (2,050 ; 0 ), Cameroon (9; 2), Central Africa Republic (CAR) (74; 2), Congo (22; 0), Côte d Ivoire (97; 1), Democratic Republic of Congo (DRC) (9,564; 1,132), Gabon (2; 0), Ghana (2; 0), Guinea (1; 0), Liberia (51; 0), Kenya (17; 1), Mauritius (1; 0), Morocco (2; 0), Nigeria (118; 0), Rwanda (26; 0), South Africa (25; 3), Uganda (521; 1), Zambia (1; 0), and Zimbabwe (2; 0).

In epidemiological week 46, 409 cases, of which 287 were laboratory confirmed, and no new deaths of mpox were reported from six AU MS: Burundi, Cameroon, CAR, Côte d Ivoire, Liberia, and Uganda.

**Burundi:** Since the last update (15 November 2024), the Ministry of Health reported 273 new cases, of which 187 were laboratory-confirmed, with no new deaths of mpox from 32 health districts in Burundi. This is a 21% average increase in the number of new confirmed cases reported in the past four weeks. Cumulatively, 4,197 suspected cases, of which 2,050 were laboratory-confirmed, and no deaths of mpox have been reported from 44 of 49 health districts in Burundi. Children <15 years accounted for 42.9% of confirmed cases and 52.1% of the confirmed cases were males. The clade Ib mpox strain was isolated from confirmed cases.

**Cameroon\*:** Since the last update (8 November 2024), the MoH reported five new cases, of which three were laboratory-confirmed, and no new deaths of mpox from two regions. Cumulatively, 118 cases, of which nine were laboratory-confirmed, and two deaths (CFR: 1.7%) of mpox have been reported from six of ten regions in Cameroon. Children <15 years accounted for 11% and males accounted for 78% of confirmed cases. A total of 99 cases were tested resulting in a testing rate of 83.8% and a positivity rate of 9.1 %. The clade II mpox strain was isolated from confirmed cases.

**CAR:** Since the last update (15 November 2024), the MoH reported 22 new cases, of which three were laboratory-confirmed, and no new deaths of mpox from five health regions. Cumulatively, 425 cases, of which 74 were laboratory-confirmed, and two deaths (CFR: 0.5%) of mpox have been reported from six of seven health regions in CAR. Children <15 years accounted for 52.7% and males accounted for 63.5%. Out of 425 cases detected, a total of 425 cases were tested (testing rate: 100%), giving a positivity rate of 17.4%. The clade Ia mpox strain was isolated from confirmed cases.

**Côte d Ivoire:** Since the last update (15 November 2024), the MoH reported 14 new cases, of which six were laboratory confirmed positive, and no new deaths of mpox. This is a 45% average decrease in the number of new cases reported in the past four weeks. Cumulatively, 426 cases, of which 97 were laboratory confirmed, and one death (CFR: 1.1%) of mpox have been reported from 34 of 48 health districts in Cote dIvoire. Of the confirmed cases, children <15 years accounted for 40% and males accounted for 66%. The clade IIa and clade IIb mpox strain were isolated from confirmed cases.

**Liberia:** Since the last update (15 November 2024), the MoH reported 17 new suspected cases of which 10 were laboratory confirmed, and no new deaths of mpox from five counties in Liberia. This is a 97% average increase in the number of confirmed cases compared to the last four weeks. Cumulatively, 332 suspected cases, of which 51 were confirmed and no deaths of mpox have been reported from 13 counties in Liberia. Of the confirmed cases, children <15 years accounted for 39%. A total of 284 cases were tested resulting in an 86% testing rate and an 18% positivity rate.

**Uganda:** Since the last update (15 November 2024), the MoH reported 78 new laboratory-confirmed cases of mpox and no new deaths from multiple districts. This is a 147% average increase in the cases reported in the past four weeks. Cumulatively, 521 laboratory-confirmed and one death (CFR: 0.2%) of mpox have been reported from 41 of 146 districts in Uganda. A total of 1,210 cases were tested resulting in a 100% testing rate and a 43%% test positivity rate. The clade Ib was isolated from all sequenced cases.

**Note:** In 2023, a total of 14,838 cases (1,665 confirmed; 13,173 suspected) and 738 confirmed deaths (CFR: 5.0%) of mpox were reported from seven AU MS: Cameroon (140 cases; 1 death), CAR (67; 2), Congo (95; 5), DRC (14,434; 728), Ghana (11; 0), Liberia (11; 0), and Nigeria (80; 2).

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

The ministries of health in the affected MS continue to intensify surveillance, risk communication, and community engagement activities in the affected areas.

The continental mpox incident management team continues to mobilize resources and develop guidance for mpox preparedness and response activities according to the response plan.

Five AU MS have either developed or are in the process of developing mpox vaccination plans. DRC and Rwanda have started vaccination of targeted population. As of week 46, a total of 52,912 individuals have been vaccinated in the DRC. Additionally, 500 persons were vaccinated in Rwanda. On 18 November 2024, Nigeria also started vaccinating with 137 persons reached so far.

Moreover, the Director General of the Africa CDC continues to provide weekly press briefing to the media on the mpox situation on the continent.

High Risk Events

Lassa fever in Africa

1,110 confirmed human case(s)  
9,157 suspected human case(s)  
188 human deaths (CFR: 16.94%)

Agent/Pathogen	Lassa virus	First Reported	1-Jan-2024	Previous Report Update	15-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	3 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	HIGH
Animal Risk Assessment	N/A				

Update to Event:

Between epidemiological weeks 1 and 46, a total of 10,267 cases (1,110 confirmed; 9,157 suspected) and 188 deaths (CFR: 16.94%) of Lassa fever have been reported from three AU MS: Guinea (27 cases; 2 deaths), Liberia (212; 11), and Nigeria (10,028; 175).

In epidemiological week 46, 119 new cases and no new deaths of Lassa fever were reported from Liberia and Nigeria.

**Nigeria:** Since the last update (15 November 2024), the NCDC reported 119 new cases (10 confirmed; 109 suspected) and no new deaths of Lassa fever from two states. This is a 12% average increase in the number of new cases reported in the past four weeks. Cumulatively, 10,028 cases (1,069 confirmed; 8,959 suspected) and 175 deaths (CFR: 16.4%) of Lassa fever have been reported from 28 of 36 states and the federal capital territory this year.

**Note:** In 2023, a total of 10,353 cases (1,266 confirmed; 9,087 suspected) and 221 deaths (CFR: 17.4%) of Lassa fever were reported from five AU MS: Ghana (27 cases; 1 death), Guinea (133; 3), Liberia (186; 5), Nigeria (10,001; 210), and Sierra Leone (6; 2).

Response by MS/partner/Africa CDC:

**Nigeria:** A national Lassa fever multi-partner multi-sectoral Emergency Operations Centre (EOC) was activated to coordinate response activities at all levels.



## Moderate Risk Events

### Cholera in Africa

**24,747** confirmed human case(s), **337** probable human case(s), **171,751** suspected human case(s)  
**3,324** human deaths (CFR: 1.69%)

Agent/Pathogen	Vibrio cholerae	First Reported	1-Jan-2024	Previous Report Update	15-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	20 MS
Source	Ministry of Health	GeoScope	HIGH	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

#### Update to Event:

Between epidemiological weeks 1 and 46, a total of 196,835 cases (24,747 confirmed; 337 probable; 171,751 suspected and 3,324 deaths (CFR: 1.7%) of cholera have been reported from 20 AU MS: Burundi (2,204 cases; 12 deaths), Cameroon (287; 0), Comoros (10,540; 152), Democratic Republic of Congo [DRC] (28,618; 385), Ethiopia (26,052; 255), Ghana (2,181; 16), Kenya (300; 3), Malawi (376; 13), Mozambique (8,183; 17), Niger (273; 10), Nigeria (10,837; 359), Somalia (19,640; 138), South Africa (150; 1), South Sudan (243; 6), Sudan (40,068; 838), Tanzania (7,248; 114), Togo (32; 3), Uganda (58; 3), Zambia (20,063; 612), and Zimbabwe (19,482; 387).

In epidemiological week 46, a total of 5,010 new cases and 58 new deaths of cholera were reported from eight AU MS: Burundi, Cameroon, Ghana, Malawi, South Sudan, Sudan, Uganda, and Zimbabwe.

**Burundi\*:** Since the last update (8 November 2024), the MoH reported 4 new suspected cases and zero deaths of cholera from two regions in Burundi. Cumulatively, 2,204 suspected cases and 12 deaths (CFR: 0.5%) of cholera have been reported from fifteen of eighteen regions in Burundi this year. Children <5 years accounted for 17.2% of the cases and 55.4% of the confirmed cases were males. This is a protracted outbreak that started in January 2023.

**Cameroon\*\*:** Since the last update (4 October 2024), the MoH reported 17 new cases (2 confirmed; 15 suspected) and no new deaths of cholera deaths in the Nord region. Cumulatively, 287 cases (4 confirmed; 283 suspected) and no deaths have been reported from all ten regions this year.

**Ghana:** Since the last update (15 November 2024), the Ghana Health Services reported 839 new cases (59 confirmed; 74 probable; 706 suspected) and six new deaths (CFR: 0.7%) of cholera from four regions. This is a 121% average increase in the number of new cases reported in the past four weeks. Cumulatively, 2,181 cases (131 confirmed; 324 probable; 1,726 suspected) and 16 deaths (CFR: 0.9%) of cholera were reported from four of the 16 regions. *Vibrio cholerae* O1 was isolated from the confirmed cases.

**Malawi:** Since the last update (15 November 2024), the MoH reported 21 new cases (13 confirmed; 8 suspected) and four new deaths (CFR: 19%) of cholera from six districts. This is an over four-fold increase in the number of new cases reported compared to the last update. The current outbreak started on 26 August 2024 with a total of 115 cases (19 confirmed and 96 suspected) and 10 deaths reported from six districts. Cumulatively, 376 cases (280 confirmed; 96 suspected) and 13 deaths (CFR: 3.5%) of cholera have been reported from 14 of 29 districts in Malawi this year.

**South Sudan:** Since the last update (15 November 2024), the MoH reported 129 new cases (11 confirmed; 118 suspected) and four new deaths (CFR: 3.1%) of cholera from two states. Cumulatively, 243 cases (27 confirmed; 216 suspected) and six deaths (CFR: 2.5%) of cholera have been reported from two of ten states in South Sudan. Fifty-five percent of the cases are males. The outbreak is occurring amidst a complex humanitarian emergency characterized by floods and mass displacements.



**Sudan\*\*\*:** Since the last update (15 November 2024), the MoH reported 3,975 new suspected cases and 44 new deaths (CFR: 1.1%) of cholera from 11 states. This is a 17% average increase in the number of new cases reported in the past four weeks. Cumulatively, 40,068 cases (55 confirmed; 40,013 suspected) and 838 deaths (2.1%) of cholera have been reported from 12 states this year. This is a protracted outbreak that started in July 2023. The outbreak is occurring amid a sustained, complex humanitarian crisis.

**Uganda (*initial report*):** On 18 November 2024, the MoH reported an outbreak of cholera in Adjumani district, northern Uganda. The initial case was a nine-year-old old male asylum seeker from South Sudan who presented to Nyumanzi Health centre III with acute watery diarrhoea, nausea and vomiting. A stool sample culture tested positive for vibrio cholerae. The testing laboratory was not specified. A total of six cases (1 confirmed; 5 suspected) and no deaths of cholera have been reported from one of 146 districts in Uganda. Cumulatively, 58 cases (25 confirmed; 13 probable; 20 suspected) and three deaths (CFR: 3.4%) of cholera have been reported from two of 146 districts in Uganda this year. This is the third cholera outbreak reported in Uganda this year, two of which have been linked to cross-border transmission.

**Zimbabwe:** Since the last update (15 November 2024), the MoH reported 19 new suspected cases and no new deaths of cholera from Kariba district, Mashonaland West province. This is a 63% decrease in the number of new cases reported compared to the last update. The current outbreak started on 4 November 2024, with a total of 70 cases (5 confirmed and 65 suspected) and one death (CFR: 1.4%) reported from Kariba district. Cumulatively, 19,482 cases (2,467 confirmed; 17,015 suspected) and 387 deaths (CFR: 2.0%) of cholera have been reported from all ten provinces this year.

**Note:** In 2023, a total of 638,942 cases (21,751 confirmed; 617,191 suspected) and 6,453 deaths (CFR: 1.0%) of cholera 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 (9,207; 75), CAR (2,873; 0), Chad (9,932; 8), Congo (631; 5), DRC (313,732; 5,855), Ethiopia (31,103; 242), Gabon (3,112; 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 (924; 8), Mozambique (1,342; 0), Niger (1,690; 0), Senegal (4,534; 0), Somalia (12,642; 0), South Africa (967; 0), South Sudan (7,470; 166), Uganda (409; 1), and Zambia (8,029; 1), and Zimbabwe (19,442; 387).

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

The ministries of health in the affected MS continue to strengthen surveillance and case management, as well as implement water, hygiene, and sanitation interventions in the affected areas.

## Measles in Africa

**21,362** confirmed human case(s), **211,462** suspected human case(s)  
**3,136** human deaths (CFR: **1.35%**)

Agent/Pathogen	Measles virus	First Reported	1-Jan-2024	Previous Report Update	15-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	30 MS
Source	Ministry of Health	GeoScope	HIGH	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

### Update to Event:

Between epidemiological weeks 1 and 46, a total 232,824 cases (21,362 confirmed; 211,462 suspected)) and 3,136 deaths (CFR: 1.35%) of measles have been reported from 30 AU MS: Burkina Faso (10,639 cases; 46 deaths), Burundi (14,919; 149), Cameroon (2,359; 60), Central African Republic [CAR (4,550; 4)], Côte d'Ivoire (7,856; 169), Chad (8,592; 27), Congo (523; 4), DRC (92,653; 2,162), Ethiopia (28,421; 220) Gabon (328; 1), Ghana (1,398; 0), Kenya (1,953; 13), Liberia (2,891; 0), Mali (640; 0), Malawi (536; 1), Mauritania (2,881; 4), Morocco (14,185; 94), Mozambique (1,055; 29), Namibia (105; 0), Nigeria (10,870; 39), Niger (2,226; 13), Senegal (449; 0), Sierra Leone (67; 1), Somalia (11,129; 34), South Africa (339; 0), Sudan (651; 10), South Sudan (3,200; 41), Togo (628; 2), Uganda (2,011; 13), and Zambia (4,770; 0).

In epidemiological week 46, a total of 453 new cases and no new deaths of measles were reported from nine AU MS: Chad, Congo, Gabon, Mali, Mozambique, Senegal, Somalia, Sudan, and Zambia.

**Chad:** Since the last update (15 November 2024), the MoH reported 19 new suspected cases, and no new deaths from six provinces. This is a 6% increase in the number of new cases compared to the last update. Cumulatively, 8,592 cases (978 confirmed; 7,614 suspected) and 27 deaths of measles (CFR: 0.3%) have been reported from all 10 provinces in Chad. This is a protracted outbreak that started in March In 2023, the national measles vaccination coverage among children <1 year in Chad was 83%.

**Congo\*:** Since the last update (1 November 2024), the MoH reported 12 new suspected cases and no new deaths of measles from four departments. Cumulatively, 523 cases (66 confirmed; 457 suspected) and four deaths (CFR: 0.8%) of measles have been reported from six of the 12 departments in Congo this year. This is a protracted outbreak that started in April 2022. In 2022, the national measles vaccination coverage among children <1 year in Congo was 65%.

**Gabon\*:** Since the last update (11 October 2024), the MoH reported 21 new suspected cases and no new deaths of measles from 3 departments. Cumulatively, 328 suspected cases and one death (CFR: 0.3%) of measles have been reported from all 10 departments this year. This is a protracted outbreak that started in January 2022.

**Mali\*:** Since the last update (8 November 2024), the MoH reported 14 new cases (3 confirmed; 11 suspected) and no new deaths of measles from six districts. Cumulatively, 640 cases (326 confirmed; 314 suspected) and no deaths of measles have been reported from 24 of the 75 districts in Mali this year. This is a protracted outbreak that started in July 2023. In 2022, the national measles vaccination coverage among children <5 years in Mali was 99%.

**Mozambique:** Since the last update (15 November 2024), The MoH reported 77 new confirmed cases and no new deaths of measles from two provinces: Nampula (30 cases) and Niassa (47). This is a 45% decrease in cases compared to the last update. Cumulatively, 1,055 confirmed and 29 deaths (CFR: 2.7%) of measles have been reported from five of the ten provinces in Mozambique. In 2023, the national measles vaccination coverage among children <2 years in Mozambique was 84%.

**Senegal:** Since the last update (15 November 2024), the MoH reported 16 new confirmed cases and no new deaths of measles from six districts. This is an 88% increase in the number of new cases compared to the last update. Cumulatively, 449 confirmed cases and no deaths of measles have been reported from all 47 districts in Senegal. Of the confirmed cases, 51% were females and 43% were children between five and fifteen years. Seventy-six percent of the confirmed cases were not vaccinated against measles virus. In 2022, the national measles vaccination of children <5 years in Senegal was 66%.

**Somalia:** Since the last update (15 November 2024), the MoH reported 152 new cases (15 confirmed; 137 suspected) and no new deaths of measles from six states. This is a 3% average increase in the cases reported in the past four weeks. Of the new reported cases, 79% were children <5 years of age. Cumulatively, 11,129 cases (719 confirmed; 10,410 suspected) and 34 deaths (CFR: 0.3%) of measles have been reported from all seven states in Somalia this year. This is a protracted outbreak that started in March 2023. In 2023, the national measles vaccination coverage among children <2 years in Somalia was 23%.

**Sudan\*\*\*:** Since the last update (8 November 2024), the MoH reported eight new suspected cases and no new deaths of measles from 11 states. Cumulatively, 651 suspected cases and 10 deaths (CFR: 1.5%) of measles have been reported from 11 of 18 states in Sudan this year. Sixty percent of the deaths were reported among males. The outbreak is occurring amid a sustained complex humanitarian crisis. In 2022, the national measles vaccination coverage among children <1 year in Sudan was 81%.

**Zambia\*:** Since the last update (18 October 2024) the Zambia National Institute of Public Health reported 134 new cases (23 confirmed; 111 suspected) cases and no new deaths of measles from ten provinces. Cumulatively, 4,770 cases (226 confirmed; 4544 suspected) and no deaths of measles were reported from all the ten provinces in Zambia this year. In 2023, the national measles vaccination coverage among children <2 years in Zambia was 61%.

**Note:** In 2023, a total of 638,942 cases (21,751 confirmed; 617,191 suspected) and 6,453 deaths (CFR: 1.0%) 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 (9,207; 75), CAR (2,873; 0), Chad (9,932; 8), Congo (631; 5), DRC (313,732; 5,855), Ethiopia (31,103; 242), Gabon (3,112; 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 (924; 8), Mozambique (1,342; 0), Niger (1,690; 0), Senegal (4,534; 0), Somalia (12,642; 0), South Africa (967; 0), South Sudan (7,470; 166), Uganda (409; 1), and Zambia (8,029; 1).

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

The ministries of health in the affected MS continue to strengthen measles surveillance, case management, and supplementary immunization activities in the affected areas.

# Yellow fever in Africa

**39** confirmed human case(s), **5** probable human case(s), **1,034** suspected human case(s)  
**7** human deaths (**CFR: 0.65%**)

Agent/Pathogen	Yellow fever virus	First Reported	1-Jan-2024	Previous Report Update	8-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	7 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

## Update to Event:

Between epidemiological weeks 1 and 46, a total of 1,078 cases (39 confirmed; 5 probable; 1,034 suspected) and seven deaths (CFR: 0.6%) of yellow fever have been reported from seven AU MS: CAR (360 cases; 1 death), Cameroon (8; 0), Congo (436; 0), Gabon (132; 0), Guinea (2; 0), South Sudan (139; 6), and Uganda (1; 0).

In epidemiological week 46, 36 new cases and one new death of yellow fever were reported from Congo and Gabon.

**Congo\***: Since the last update (1 November 2024), the MoH reported 17 new cases (3 confirmed; 14 suspected) and no deaths of yellow fever from four departments. Cumulatively, 436 cases (16 confirmed; 420 suspected) and no deaths have been reported from six out of the 12 departments across the country this year.

**Gabon\***: Since the last update (1 November 2024), the MoH reported 19 new suspected cases and no new deaths of yellow fever from five regions. Cumulatively, 132 cases (9 confirmed; 123 suspected) and no deaths of yellow fever have been reported from all 10 regions in Gabon.

**Note:** In 2023, a total of 2,951 cases (156 confirmed; 2,795 suspected) and 45 deaths (CFR: 1.3%) of yellow fever were reported from eight AU MS: Cameroon (59 cases; 6 deaths), CAR (349; 6), Congo (389; 2), Gabon (128; 0), Guinea (178; 4), Nigeria (1,819; 21), South Sudan (17; 0), and Uganda (12; 0).

## Response by MS/partner/Africa CDC:

The ministries of health in the affected MS continue to implement vector control and community engagement activities in the affected areas.

## Dengue fever in Africa

**26,152** confirmed human case(s), **23,123** probable human case(s), **109,494** suspected human case(s)  
**130** human deaths (**CFR: 0.08%**)

Agent/Pathogen	Dengue virus	First Reported	12-Jan-2024	Previous Report Update	15-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	15 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

### Update to Event:

Between epidemiological weeks 1 and 46, a total of 158,769 cases (26,152 confirmed; 23,123 probable; 109,494 suspected) and 130 deaths (CFR: 0.08%) of dengue fever have been reported from 15 AU MS: Burkina Faso (94,959 cases; 97 deaths), Cameroon (1 ; 0), Cabo Verde (35,230; 5), CAR (430; 1), Chad (983; 0), Côte d'Ivoire (39; 0), Ethiopia (3,463; 0), Ghana (1,713; 2), Kenya (88; 0), Mali (8,267; 12), Mauritius (9,166; 8), Sao Tome and Principe (9; 0), Senegal (386; 0), Sudan (1,830; 2), and Togo (2,205; 3).

In epidemiological week 46, a total of 6,566 new cases and 6 new deaths of Dengue were reported from three AU MS: Burkina Faso, Mali, and Senegal

**Burkina Faso:** Since the last update (15 November 2024), the MoH reported 5,231 new cases (1,425 probable; 3,806 suspected) and six new deaths (CFR: 0.1%) of dengue fever from all 13 regions. This is no percentage change on average in the cases reported in the past four weeks. Cumulatively, 94,959 cases (71,836 suspected; 23,123 probable) and 97 deaths (CFR: 0.1%) of dengue fever have been reported from all 13 regions in Burkina Faso this year. Two serotypes (DENV-1 and DENV-3) were detected among confirmed cases. The Center region accounted for 51% of all cases and 46% of all deaths reported. This is a protracted outbreak that started in September 2023.

**Mali\*:** Since the last update (8 November 2024), the MoH reported 1,130 new cases (226 confirmed; 904 suspected) and no new deaths of dengue fever from five regions. Cumulatively, 8,267 cases (1,124 confirmed; 7,143 suspected) and 12 deaths (CFR: 0.2%) of dengue fever have been reported from all eleven regions in Mali. The Bamako region accounted for 90% of all cases, and remains the epicenter of the epidemic. Two serotypes (DENV-1 and DENV-3) were detected among confirmed cases. This is a protracted outbreak that started in August 2023.

**Senegal:** Since the last update (15 November 2024), the MoH reported 205 new confirmed cases and no new deaths of dengue fever from nine regions. This is an 88% increase in the number of new cases compared to the last update (Last update was 37 cases so the increase is a lot more than 88%. It. Cumulatively, 386 confirmed cases and no deaths of dengue fever have been reported from nine of the 15 regions in Senegal. Of the confirmed cases, persons 15-35 years of age and males accounted for 66% and 56%, respectively.

**Note:** In 2023, a total of 280,218 cases (21,999 confirmed; 70,433 probable; 187,786 suspected) and 808 deaths (CFR: 0.3%) of dengue fever were reported from 18 AU MS: Angola (3 cases; 0 deaths), Benin (6; 1), Burkina Faso (242,425; 709); Cabo Verde (410; 0), Chad (1,581; 1), Côte d'Ivoire (3,895; 27), Egypt (578; 0), Ethiopia (21,469; 17), Ghana (18; 0), Guinea (6; 1), Mali (6,177; 34), Mauritius (265; 0), Niger (148; 0), Nigeria (84; 0), Sao Tome and Principe (1,227; 11), Senegal (254; 0), Sudan (1,664; 7), and Togo (8; 0).

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

The ministries of health in the affected countries continue to enhance surveillance, case management, vector control, and risk communication activities

# Diphtheria in Africa

9,819 confirmed human case(s)  
10,289 suspected human case(s)  
516 human deaths (CFR: 5.26%)

Agent/Pathogen	Corynebacterium diphtheriae	First Reported	20-Jan-2023	Previous Report Update	15-Nov-2024
First Occurred	1-Jan-2024	Country	Multiple Countries	Location	6 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

## Update to Event:

Event update Between epidemiological weeks 1 and 46, a total of 20,108 cases (9,819 confirmed; 10,289 suspected) and 516 deaths (CFR: 5.26%) of diphtheria have been reported from six: Chad (2,245 cases; 70 deaths), Gabon (13; 0), Guinea (2,869; 17), Mauritania (40; 3), Niger (746; 29), and Nigeria (14,195; 397).

In epidemiological week 46, 212 new cases and no new deaths of diphtheria were reported from Chad.

**Chad:** Since the last update (15 November 2024), the MoH reported 212 suspected new cases and no new deaths of diphtheria from four provinces. This is a 2% decrease in the number of new cases reported compared to the last update. Cumulatively, 2,245 cases (2 confirmed; 2,243 suspected) and 70 deaths of diphtheria have been reported from four provinces in Chad this year. This is a protracted outbreak that started in August 2023. In 2023, the national DPT3 vaccination coverage among children <1 year in Chad was 67%.

**Note:** In 2023, a total of 27,346 cases (13,879 confirmed; 13,467 suspected) and 797 deaths (CFR: 5.7%) of diphtheria were reported from six AU MS: Algeria (80 cases; 10 deaths), Guinea (2,676; 91 ), Mauritania (20; 6), Niger (2,198; 91), Nigeria (22,359; 578), and South Africa (13; 1).

## Response by MS/partner/Africa CDC:

The MoH continues to conduct enhanced surveillance, case management, laboratory testing, and risk communication activities in the affected areas.

# Hepatitis E virus in Africa

**201** confirmed human case(s), **3,804** suspected human case(s)  
**32** human deaths (**CFR: 0.80%**)

Agent/Pathogen	Hepatitis E virus	First Reported	21-Jun-2024	Previous Report Update	15-Nov-2024
First Occurred	15-Jun-2024	Country	Multiple Countries	Location	3 MS
Source	Ministry of Health	GeoScope	MODERATE	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

## Update to Event:

Between epidemiological weeks 1 and 46, a total of 4,005 cases (201 confirmed; 3,804 suspected) and 32 deaths (CFR: 0.80 %) of hepatitis E have been reported from three AU MS: Burkina Faso (392 cases; 5 deaths) , Chad (3,459; 22), and CAR (154; 5).

In epidemiological week 46, 16 new cases and no new deaths of hepatitis E were reported from Burkina Faso.

**Burkina Faso:** Since the last update (15 November 2024), the MoH reported 16 new suspected cases and no new deaths of hepatitis E from Kaya health district. This is a 45% increase in the number of cases compared to the last update. Cumulatively, 392 cases (8 confirmed; 384 suspected) and five deaths (CFR: 1.3%) have been reported from Kaya health district. Of the total cases, females accounted for 58% and 53% were internally displaced persons.

## Response by MS/partner/Africa CDC:

**Burkina Faso:** The MoH, in collaboration with partners, is conducting case management, surveillance and risk communication activities in the affected area.



## Rift Valley Fever virus in Senegal

**2** confirmed human case(s)  
**0** human deaths (**CFR: 0.00%**)

Agent/Pathogen	Rift Valley Fever virus	First Reported	10-Jul-2024	Previous Report Update	11-Oct-2024
First Occurred	2-Jun-2024	Country	Senegal	Location	2 districts
Source	Ministry of Health	GeoScope	LOW	Human Risk Assessment	MODERATE
Animal Risk Assessment	N/A				

### Update to Event:

Since the last update, the MoH reported one new confirmed case and no deaths of Rift Valley fever (RVF) from Pikine district. Cumulatively, two confirmed cases and no deaths of RVF have been reported from Kidira (1) and Pikine (1) districts.

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

The MoH coordinated a multisectoral and multidisciplinary team to investigate and respond to the outbreak through active case search and risk communication. Additionally, nine contacts have been identified and are being monitored.

### Footnotes



\*Mpox cases in Cameroon; measles cases in Gabon, Mali, and Zambia; yellow fever cases in Congo and Gabon; and dengue cases in Mali are batch reports.

\*\* The cholera numbers in Cameroon have been revised from 525 to 287 cases and from 8 to 0 deaths following MS data harmonization.

\*\*\* A backlog of 418 cholera cases and eight measles cases were reported from Sudan. Measles cases in Sudan are also a batch report.

- Mpox cases include all persons who have presented with symptoms consistent with the suspected case definition for mpox.

-Epidemiological week 46 covers the period of 11 - 17 November 2024

-The cases in this report include confirmed, probable, and suspected cases.

- CFR are calculated using confirmed cases and deaths only, except for bacterial meningitis, cholera, measles, mpox, 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: the event is limited to sub-national areas within one MS; Moderate: The event is affecting multiple countries within an AU region or has been imported from/exported to 1-2 countries from another global region; High: The 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 of 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 or very high depending on how they score on the above criteria.