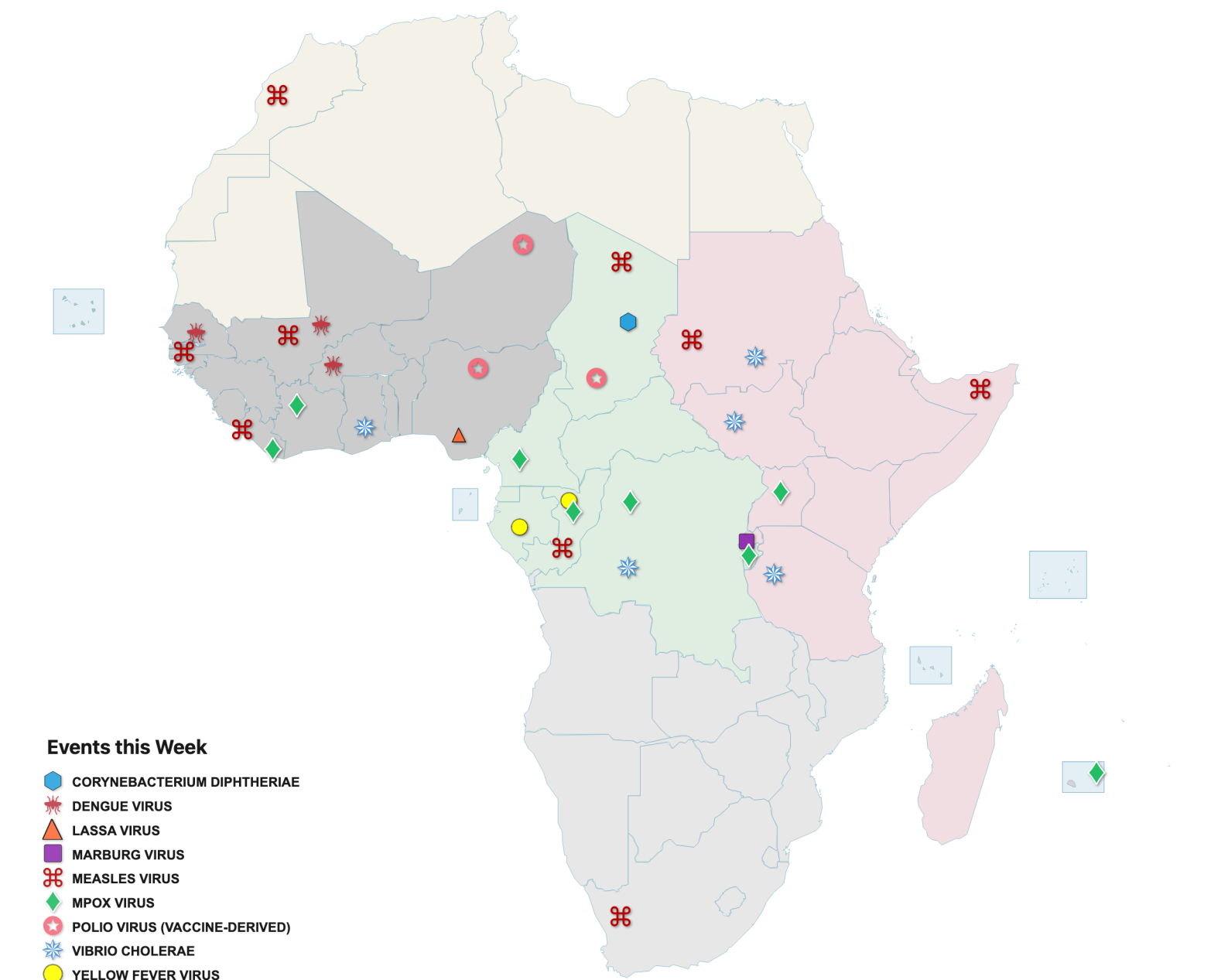


# Africa CDC Epidemic Intelligence Report

Date of Issue: 3 Nov 2024

Active Events	New Events reported in 2024	Events highlighted this week	New events since last issue
193	130	33	3









\*  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	6	27 (3)
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
 Measles virus	South Africa	Moderate	N/A		0	0	339	0
 Mpox virus	Mauritius	Moderate	N/A		1	0	1	0
 Vibrio cholerae	South Sudan	Moderate	N/A		27	0	6	0

Events Highlighted this week

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected (New)	Probable (New)	Confirmed (New)	Deaths (New)
 Corynebacterium diphtheriae	Chad	Moderate	N/A		1,593 (286)	0 (0)	0 (0)	52 (1)
 Dengue virus	Burkina Faso	Moderate	N/A		60,145 (4,646)	18,577 (1,733)	0 (0)	84 (6)
	Mali	Moderate	N/A		6,006 (376)	0 (0)	812 (61)	10 (3)
	Senegal	Moderate	N/A		0 (0)	0 (0)	144 (50)	0 (0)
 Lassa virus	Nigeria	Moderate	Moderate		8,681 (112)	0 (0)	1,047 (12)	174 (0)
 Marburg virus	Rwanda	High	N/A		0 (0)	0 (0)	66 (2)	15 (0)
 Measles virus	Chad	Moderate	N/A		7,547 (18)	0 (0)	978 (0)	27 (0)
	Congo Republic	Moderate	N/A		972 (5)	0 (0)	186 (0)	4 (0)
	Liberia	Moderate	N/A		1,543 (72)	0 (0)	1,186 (72)	0 (0)
	Mali	Moderate	N/A		301 (8)	0 (0)	319 (2)	0 (0)
	Morocco	Moderate	N/A		9,151 (290)	0 (0)	4,606 (42)	90 (4)
	Senegal	Moderate	N/A		0 (0)	0 (0)	428 (3)	0 (0)
	Somalia	Moderate	N/A		10,018 (179)	0 (0)	652 (13)	34 (0)
	Sudan	High	N/A		612 (12)	0 (0)	0 (0)	10 (0)
 Mpox virus	Burundi	Moderate	N/A		3,361 (335)	0 (0)	1,509 (222)	0 (0)
	Cameroon	Moderate	N/A		111 (3)	0 (0)	6 (0)	2 (0)
	Congo Republic	Moderate	N/A		249 (10)	0 (0)	22 (0)	0 (0)
	Côte d'Ivoire	Moderate	N/A		400 (26)	0 (0)	89 (9)	1 (0)
	Democratic Republic of the Congo	High	N/A		38,185 (603)	0 (0)	8,607 (22)	1,049 (7)
	Liberia	Moderate	N/A		273 (19)	0 (0)	22 (3)	0 (0)
	Uganda	Moderate	N/A		853 (23)	0 (0)	175 (23)	1 (1)
 Polio virus (vaccine-derived)	Chad	Moderate	N/A		0 (0)	0 (0)	11 (3)	0 (0)
	Niger	Moderate	N/A		0 (0)	0 (0)	10 (1)	0 (0)
	Nigeria	Moderate	N/A		0 (0)	0 (0)	66 (5)	0 (0)
 Vibrio cholerae	Democratic Republic of the Congo	High	N/A		26,582 (1,951)	0 (0)	569 (0)	407 (63)
	Ghana	Moderate	N/A		261 (61)	65 (65)	41 (10)	1 (0)
	Sudan	High	N/A		30,410 (1,434)	0 (0)	55 (7)	704 (53)
	Tanzania	High	N/A		7,248 (175)	0 (0)	0 (0)	114 (5)
 Yellow fever virus	Congo Republic	Moderate	N/A		406 (7)	0 (0)	13 (0)	0 (0)
	Gabon	Moderate	Moderate		104 (9)	0 (0)	9 (0)	0 (0)

## Very High Risk Events

### Mpox in Africa

**49,310** suspected case(s)  
**1,059** human deaths (**CFR: 2.15%**)

Agent/Pathogen	Mpox virus	First Reported	12-Jan-2024	Previous Report Update	25-Oct-2024	First Occurred	1-Jan-2024
Country	Multiple Countries	Location	19 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 43, a total of 49,310 cases of mpox, of which, 10,672 have been confirmed, and 1,059 deaths [case fatality rate (CFR): 2.15%] have been reported from 19 African Union (AU) Member States (MS) Burundi (1,509 laboratory-confirmed cases; 0 death), Cameroon (6; 2), Central Africa Republic (CAR) (58; 2), Congo (22; 0), Côte d'Ivoire\* (89; 1), Democratic Republic of Congo (DRC) (8,607; 1,049), Gabon (2; 0), Ghana (2; 0), Guinea (1; 0), Liberia (22; 0), Kenya (14; 1), Mauritius (1; 0), Morocco (2; 0), Nigeria\* (108; 0), Rwanda\* (26; 0), South Africa (25; 3), Uganda (175; 1) Zambia (1; 0), and Zimbabwe (2; 0).

In epidemiological week 43, 1,020 cases, of which 280 were laboratory-confirmed, and eight deaths of mpox were reported from eight AU MS: Burundi, Cameroon, Congo, Côte d'Ivoire, Liberia, DRC, Mauritius, and Uganda.

**Burundi:** Since the last update (25 October 2024), the Ministry of Health (MoH) reported 335 new cases, of which 222 were laboratory-confirmed, with no new deaths of mpox from 30 health districts in Burundi. This is a 41% increase in the number of new confirmed cases reported compared to the last update. Cumulatively, 3,361 suspected cases, of which 1,509 were laboratory-confirmed, and no deaths of mpox have been reported from 43 of 49 health districts in Burundi. Children <15 years accounted for 48.2% of cases and 51.4% of confirmed cases were males. The clade Ib mpox strain was isolated from confirmed cases.

**Cameroon:** Since the last update (25 October 2024), the MoH reported three new cases, of which none were laboratory-confirmed, and no new deaths of mpox from three regions. This is a 50% decrease in the number of new cases reported compared to the last update. Cumulatively, 111 cases, of which six were laboratory-confirmed, and two deaths (CFR: 1.8%) of mpox have been reported from six of ten regions in Cameroon. Children <15 years accounted for 60% and males accounted for 80% of the confirmed cases. A total of 89 cases were tested resulting in a testing rate of 80% and a positivity rate of 6.7%. The clade II mpox strain was isolated from confirmed cases.

**Congo:** Since the last update (25 October 2024), the MoH reported 10 new suspected cases and no death of mpox from Brazzaville, Cuvette and Likouala departments. This is a 100% increase in the number of new cases reported compared to the last update. Cumulatively, 249 suspected cases of which 22 were lab-confirmed and no deaths of mpox have been reported from four of twelve departments in Congo. Of the confirmed cases, children <15 years accounted for 38.09% and males accounted for 57.14%. Of the 249 cases detected, 147 were tested resulting in a testing rate of 59% and positivity rate of 15%.

**Côte d'Ivoire\*\*:** Since the last update (11 October 2024), the MoH reported 26 new cases of which nine were laboratory-confirmed and no new deaths of mpox. Cumulatively, 400 cases of which 89 were laboratory-confirmed and one death (CFR: 1.1%) of mpox have been reported from 32 of 48 health districts in Cote d'Ivoire. Children <15 years accounted for 43% and males accounted for 65%. The clade IIa mpox strain was isolated from confirmed cases.

**DRC\*\*:** Since the last update (18 October 2024), the MoH reported 603 new cases, of which 22 were laboratory-confirmed, and seven new deaths of mpox (CRF: 1.2%) from 23 provinces. Cumulatively, 38,185 cases, of which 8,607 were laboratory-confirmed and 1,049 deaths (CFR: 2.75%) of mpox have been reported from all 26 provinces in DRC. Of the 38,185 cases detected, 14,472 were tested resulting in a testing rate of 37.9% and a positivity rate of 59.5%. The clade Ia and Ib mpox strains were isolated from the confirmed cases.

**Mauritius (initial report):** On 27 October 2024, the Mauritius Ministry of Health reported an imported case of mpox. The confirmed case is a 49-year-old male who travelled from Nigeria to Mauritius via Kenya, on Kenya Airways. The confirmation for mpox was made at the Central Health Laboratory following a sample (skin lesions) collected from the index case testing positive by polymerase chain reaction. The patient is currently under isolation and is in stable condition. This is the first ever case of mpox reported in Mauritius.

**Uganda:** Since the last update (25 October 2024), the MoH reported 23 new confirmed cases of mpox and one new death (CFR: 4.3%) from 13 districts. This is a 62% decrease in the number of new cases reported compared to the last update. Cumulatively, 175 laboratory-confirmed cases and one death (CFR: 0.6%) of mpox have been reported from 19 of 146 districts in Uganda. A total of 853 cases were tested resulting in a 100% testing rate and a 20.5%. 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 mpox vaccination campaign was completed in Rwanda and in three of six provinces in DRC. Though the campaign ended in Nord Kivu Province, vaccination of contacts continues. In DRC, 47,547 people have been vaccinated to date, resulting into a 103.5% vaccination coverage. Nigeria is planning for vaccine rollout.

The continental mpox incident management team continues to mobilize resources and provide guidance for mpox preparedness and response activities in line with the continental joint response plan. Additionally, 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

**1,087** confirmed human case(s)  
**8,866** suspected human case(s)  
**186** human deaths (**CFR: 17.11%**)

Agent/Pathogen	Lassa virus	First Reported	1-Jan-2024	Previous Report Update	18-Oct-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 43, a total of 9,829 cases (1,087 confirmed; 8,866 suspected) and 186 deaths (CFR: 17.11%) of Lassa fever have been reported from three AU MS: Guinea (27 cases; 2 deaths), Liberia (198; 10), and Nigeria (9,728; 174).

In epidemiological week 43, 124 new cases and no new deaths of Lassa fever were reported from Nigeria.

**Nigeria:** Since the last update (25 October 2024), the Nigeria Centre for Disease Control reported 124 new cases (12 confirmed; 112 suspected) and no new deaths of Lassa fever from three states. This is a 46% increase in the number of new cases reported compared to the last update. Cumulatively, 9,728 cases (1,047 confirmed; 8,681 suspected) and 174 deaths (CFR: 16.8%) 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 the response activities at all levels

# Marburg in Rwanda

66 confirmed human case(s)  
15 human deaths (CFR: 22.73%)

Agent/Pathogen	Marburg virus	First Reported	27-Sep-2024	Previous Report Update	25-Oct-2024	First Occurred	27-Sep-2024
Country	Rwanda	Location	7 districts	Source	Ministry of Health	GeoScope	LOW
Human Risk Assessment	HIGH	Animal Risk Assessment	N/A				

## Update to Event:

Since the last update, (25 October 2024) the MoH reported two new confirmed cases and no new deaths of Marburg in Rwanda. This is the same number of cases reported in the last update. Cumulatively, 66 confirmed cases and 15 deaths (CFR: 22.73%) of Marburg have been reported from seven of thirty districts in Rwanda. In addition, a total of 49 recoveries have been reported to date.

## Response by MS/partner/Africa CDC:

The MoH, in collaboration with Africa CDC and partners, continues to conduct enhanced surveillance, case management, risk communication, and community engagement in the affected districts. Exit screening at points of entry to limit the risk of international spread is ongoing. In addition, the MoH continues to conduct vaccination of high-risk contacts, with a total of 1,629 persons vaccinated to date.

## Moderate Risk Events

### Cholera in Africa

**24,608** confirmed human case(s), **78** probable human case(s), **157,660** suspected human case(s)  
**3,179** human deaths (**CFR: 1.74%**)

Agent/Pathogen	Vibrio cholerae	First Reported	1-Jan-2024	Previous Report Update	25-Oct-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 43, a total of 182,346 cases (24,608 confirmed; 78 probable; 157,660 suspected) and 3,179 deaths (CFR: 1.74%) of cholera have been reported from 20 AU MS: Burundi (762 cases; 3 deaths), Cameroon (525; 8), Comoros (10,540; 152), Democratic Republic of Congo [DRC] (25,200; 344), Ethiopia\* (26,052; 255), Ghana (367; 1), Kenya (300; 3), Malawi (261; 3), Mozambique (8,183; 17), Niger (273; 10), Nigeria (10,837; 359), Somalia (19,640; 138), South Africa (150; 1), South Sudan (33; 0), Sudan (30,465; 704), Tanzania (7,248; 114), Togo (32; 3), Uganda (52; 3), Zambia (20,063; 612), and Zimbabwe (19,412; 386).

In epidemiological week 43, 3,736 new cases and 121 new deaths of cholera were reported from five AU MS: DRC, Ghana, South Sudan, Tanzania, and Sudan.

**DRC\*\*:** Since the last update (4 October 2024), the MoH reported 1,951 new suspected cases and 63 new deaths (CFR: 3.22%) of cholera from nine provinces. Cumulatively, 27,151 cases (569 confirmed; 26,582 suspected) and 407 deaths (CFR: 0.15%) of cholera have been reported from 15 of 26 provinces in DRC this year. This is a protracted outbreak that started in March 2022.

**Ghana:** Since the last update (25 October 2024) the Ghana Health Services reported 136 new cases (10 confirmed; 65 probable; 61 suspected) and no new deaths of cholera from Greater Accra region. This is a 5% increase in the number of new cases compared to the last update. Cumulatively, 367 cases (41 confirmed; 65 probable; 261 suspected) and one death (CFR: 0.4%) of cholera were reported from Greater Accra region. *Vibrio cholerae* O1 was isolated from the confirmed cases.

**South Sudan (initial report):** On 28 October 2024, the MoH declared an outbreak of cholera in Renk county, Upper Nile state, following confirmation of six samples, tested by culture at the National Public Health Laboratory. Cumulatively, 33 cases (6 confirmed; 27 suspected) and no deaths of cholera have been reported. Fifty-three percent of the cases are female and persons >15 years constitute the majority of the cases. These are the first cases of cholera reported in South Sudan this year. The outbreak is occurring amidst a complex humanitarian emergency characterized by mass displacements and floods.

**Sudan\*:** Since the last update (25 October 2024), the MoH reported 1,441 new cases (7 confirmed; 1,434 suspected) and 53 new deaths (CFR: 3.7%) of cholera from 11 states. This is a 29% decrease in the number of new cases reported compared to the last update. Cumulatively, 30,465 cases (55 confirmed; 30,410 suspected) and 704 deaths (CFR: 2.3%) 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.

**Tanzania:** Since the last update (25 October 2024), the MoH reported 175 new suspected cases and five new deaths (CFR: 2.8%) of cholera from nine regions. Cumulatively, 7,248 suspected cases and 114 deaths (CFR: 1.6%) of cholera have been reported from 23 of 31 regions in Tanzania this year. This is a protracted outbreak that started in September 2023.

**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 surveillance and case management, as well as implement water, hygiene, and sanitation interventions in the affected areas.



# Measles in Africa

20,519 confirmed human case(s), 202,638 suspected human case(s)  
3,016 human deaths (CFR: 1.35%)

Agent/Pathogen	Measles virus	First Reported	1-Jan-2024	Previous Report Update	25-Oct-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 43, a total of 223,157 cases (20,519 confirmed; 202,638 suspected) and 3,016 deaths (CFR: 1.35%) of measles have been reported from 30 AU MS: Burkina Faso (10,639 cases; 46 deaths), Burundi (14,795; 149), Cameroon (2,359; 60), Central African Republic [CAR (4,550; 4)], Côte d'Ivoire (7,856; 169), Chad (8,525; 27), Congo (511; 4), DRC (85,103; 2,053), Ethiopia\* (28,421; 220) Gabon (307; 1), Ghana (1,398; 0), Kenya (1,953; 13), Liberia (2,585; 0), Mali (620; 0), Malawi (306; 0), Mauritania (2,881; 4), Morocco (13,757; 90), Mozambique (655; 23), Namibia (105; 0), Nigeria (10,870; 39), Niger (2,226; 13), Senegal (428; 0), Sierra Leone (67; 1), Somalia (10,670; 34), South Africa (339; 0), Sudan (612; 10), South Sudan (3,200; 41), Togo (628; 2), Uganda (2,011; 13), and Zambia (4,636; 0).

In epidemiological week 43,1,055 new cases and four new deaths of measles were reported from nine AU MS: Chad, Congo, Liberia, Mali, Morocco, Senegal, Somalia, South Africa, and Sudan.

**Chad\*\*:** Since the last update (18 October 2024), the MoH reported 18 new suspected cases and no new deaths of measles from ten provinces. Cumulatively, 8,525 cases (978 confirmed; 7,547 suspected) and 27 deaths (CFR: 0.31 %) of measles have been reported from all the 10 provinces in Chad. This is a protracted outbreak that started in March in 2023. In 2023, the national measles vaccination coverage among children <1 years in Chad was 83%.

**Congo:** Since the last update (25 October 2024), the MoH reported five new suspected cases and no new deaths of measles from four departments. Cumulatively, 511 cases (66 confirmed; 445 suspected) and four deaths (CFR: 0.8%) of measles have been reported from six of twelve 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%.

**Liberia:** Since the last update (25 October 2024), the MoH reported 144 new cases, (72 suspected; 72 confirmed) and no deaths from six counties. Cumulatively, 2,729 cases (1,186 confirmed; 1,543 suspected) and no deaths of measles have been reported from all the 14 counties in Liberia this year. Of the total reported confirmed cases, 38% were unvaccinated and children less than 5 years accounted for 51%. This is a protracted outbreak that started in December 2021. In 2023, the national measles vaccination coverage among children <2 years in Liberia was 58%.

**Mali\*\*:** Since the last update (18 October 2024), the MoH reported 10 new cases (2 confirmed; 8 suspected) and no new deaths of measles from four districts. Cumulatively, 620 cases (319 confirmed; 301 suspected) and no deaths of measles have been reported from 24 of 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%.

**Morocco:** Since the last update (25 October 2024), the MoH reported 332 new cases (42 confirmed; 290 suspected) and four new deaths (CFR: 1.2%) of measles from nine regions. This is a 5% increase in the number of new cases compared to the last update. Cumulatively 13,757 cases (4,606 confirmed; 9,151 suspected) and 90 deaths (CFR: 0.7%) of measles have been reported from all 12 regions in Morocco this year. This is a protracted outbreak that started in October 2023. In 2022, the national measles vaccination coverage among children <1 year in Morocco was 99%.

**Senegal\*\*:** Since the last update (18 October 2024), the MoH reported three new confirmed cases and no new deaths of measles from two districts. Cumulatively, 428 confirmed cases and no deaths of measles have been reported from all the 47 districts in Senegal. Of the confirmed cases, 51% were females and 43% were children between five and fifteen years. Seventy-eight percent of the confirmed cases were not vaccinated against measles virus. In 2022, the national measles vaccination coverage of children <5 years in Senegal was 66%.

**Somalia:** Since the last update (25 October 2024), the MoH reported 192 new cases (13 confirmed; 179 suspected) and no new deaths of measles from six states. This is a 32% increase in new cases reported compared to the last update. Of the new reported cases, 72.4% were children <5 years. Cumulatively, 10,670 cases (652 confirmed; 10,018 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%.

**South Africa (initial report):** On 23 October 2024, the National Institute for Communicable Diseases reported 339 confirmed cases and no deaths of measles from all nine provinces in South Africa. The cases have been sporadically reported from epidemiological week 1 to week 41 in these provinces. Gauteng province accounted for 44% of all cases reported. Children 5-9 years accounted for 37% of all cases. The last outbreak occurred in 2022-2023, with 1,338 confirmed cases and no deaths reported from all nine provinces. This year, the national measles vaccination coverage for children <1 year in South Africa was 80%.

**Sudan:** Since the last update (25 October 2024), the MoH reported 12 new suspected cases and no new deaths of measles from 11 states. This is a 25% decrease in the number of new cases reported compared to the last update. Cumulatively, 612 suspected cases and 10 deaths (CFR: 1.6%) have been reported from 11 states. 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%.

**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

**36** confirmed human case(s), **5** probable human case(s), **678** suspected human case(s)  
**6** human deaths (**CFR: 0.83%**)

Agent/Pathogen	Yellow fever virus	First Reported	1-Jan-2024	Previous Report Update	25-Oct-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 43, a total of 719 cases (36 confirmed; 5 probable; 678 suspected) and six deaths (CFR: 0.83%) of yellow fever have been reported from seven AU MS: CAR (37 cases; 0 deaths), Cameroon (8; 0), Congo (419; 0), Gabon (113; 0), Guinea (2; 0), South Sudan (139; 6), and Uganda (1; 0).

In epidemiological week 43, 16 new cases and no new deaths of yellow fever were reported from Congo and Gabon.

**Congo\*\*:** Since the last update (25 October 2024), the MoH reported seven new suspected cases and no deaths of yellow fever from four departments. This is a 90% decrease in the number of new cases reported compared to the last update. Cumulatively, 419 cases (13 confirmed; 406 suspected) and no deaths of yellow fever have been reported from six of twelve departments across the country this year.

**Gabon\*\*:** Since the last update (20 September 2024), the MoH reported nine new suspected cases and no new deaths of yellow fever from six regions. Cumulatively, 113 cases (9 confirmed; 104 suspected) and no deaths of yellow fever have been reported from all 10 regions in Gabon this year.

**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

**11,979** confirmed human case(s), **18,577** probable human case(s), **76,154** suspected human case(s)  
**110** human deaths (CFR: **0.10%**)

Agent/Pathogen	Dengue virus	First Reported	12-Jan-2024	Previous Report Update	25-Oct-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 43, a total of 106,710 cases (11,979 confirmed; 18,577 probable; 76,154 suspected) and 110 deaths (CFR: 0.10%) of dengue fever have been reported from 15 AU MS: Burkina Faso (78,722 cases; 84 deaths), Cameroon (1 ; 0), Cabo Verde (1,205; 0) , CAR (324; 1), Chad (983; 0), Côte d'Ivoire (39; 0), Ethiopia\* (3,463; 0), Ghana (1,713; 2), Kenya (88; 0), Mali (6,818; 10), Mauritius (9,166; 8), Sao Tome and Principe (9; 0), Senegal (144; 0), Sudan (1,830; 2), and Togo (2,205; 3).

In epidemiological week 43, 6,866 new cases and nine new deaths of dengue fever were reported from Burkina Faso, Mali, and Senegal.

**Burkina Faso:** Since the last update (25 October 2024), the MoH reported 6,379 new cases (1,733 probable; 4,646 suspected) and six new deaths (CFR: 0.09%) of dengue fever from all 13 regions in Burkina Faso. This is an 18% increase in the number of new cases compared to the last update. Cumulatively, 78,722 cases (60,145 suspected; 18,577 probable) and 84 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 53% of all cases and 46% of all deaths reported. This is a protracted outbreak that started in September 2023.

**Mali\*\*:** Since the last update (18 October 2024), the MoH reported 437 new cases (61 confirmed; 376 suspected) and three new deaths (CFR: 0.7%) of dengue fever from four regions. Cumulatively, 6,818 cases (812 confirmed; 6,006 suspected) and 10 deaths (CFR: 0.1%) of dengue fever have been reported from all 11 regions in Mali. The Bamako region accounted for 90% of the cases and remains the epicentre 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 (25 October 2024), the MoH reported 50 new confirmed cases and no new deaths of dengue fever from nine regions. This is more than a three-fold increase in the number of new cases compared to the last update. Cumulatively, 144 confirmed cases and no deaths of dengue fever have been reported from nine of the fifteen regions in Senegal. Of the confirmed cases, persons 15 - 35 years and males accounted for 61% and 57% 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 (6,17 7; 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

9,816 confirmed human case(s)  
9,600 suspected human case(s)  
495 human deaths (CFR: 5.04%)

Agent/Pathogen	Corynebacterium diphtheriae	First Reported	20-Jan-2023	Previous Report Update	25-Oct-2024	First Occurred	1-Jan-2024
Country	Multiple Countries	Location	5 MS	Source	Ministry of Health	GeoScope	MODERATE
Human Risk Assessment	MODERATE	Animal Risk Assessment	N/A				

## Update to Event:

Between epidemiological weeks 1 and 43, a total of 19,416 cases (9,816 confirmed; 9,600 suspected) and 495 deaths (CFR: 5.04%) of diphtheria have been reported from five AU MS: Chad (1,593 cases; 52 deaths), Gabon (13; 0), Guinea (2,869; 17), Niger (746; 29), and Nigeria (14,195; 397).

In epidemiological week 43, 286 new cases and one new death of diphtheria were reported from Chad.

**Chad\*\*:** Since the last update (15 July 2024), the MoH reported 286 new suspected cases and one new death of diphtheria from three provinces. Cumulatively, 1,593 suspected cases and 52 deaths (CFR: 3.26%) 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:

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

## Polio virus (vaccine-derived) in Africa

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

Agent/Pathogen	Polio virus (vaccine-derived)	First Reported	23-Feb-2024	Previous Report Update	25-Oct-2024	First Occurred	1-Jan-2024
Country	Multiple Countries	Location	14 MS	Source	Ministry of Health	GeoScope	MODERATE
Human Risk Assessment	MODERATE	Animal Risk Assessment	N/A				

### Update to Event:

Between epidemiological weeks 1 and 43, six confirmed cases and no deaths of circulating vaccine-derived poliovirus type 1 (cVDPV1) have been reported from DRC (5 cases) and Mozambique (1). Additionally, 139 confirmed cases and no deaths of circulating vaccine-derived poliovirus type 2 (cVDPV2) have been reported from 14 AU MS: Angola (7 cases), Benin (1), Chad (11), DRC (10), Ethiopia (13), Guinea (5), Kenya (1), Liberia (1), Niger (10), Nigeria (66), Senegal (1), Somalia (3), South Sudan (9), and Zimbabwe (1) and two confirmed cases and no deaths of circulating vaccine-derived poliovirus type 3 (cVDPV3) have been reported from Guinea.

In epidemiological week 43, nine confirmed cases of cVDPV2 were reported from Chad, Niger, and Nigeria.

**Chad:** Since the last update (30 August 2024), the Global Polio Eradication Initiative (GPEI) reported three confirmed cases cVDPV2 from N'Djamena (1 case), Ouaddai (1) and Chari Baguimi (1) provinces. Cumulatively, 11 cases of cVDPV2 have been reported from four of the twenty-three provinces and N'Djamena capital city in Chad this year.

**Niger:** Since the last update (6 September 2024), the GPEI reported one new confirmed case and no deaths of cVDPV2 from Zinder region. Cumulatively, 10 confirmed cases of cVDPV2 have been reported from Diffa (1), Tahoua (2) and Zinder (7) regions. In 2022, the national oral polio vaccination (OPV3) coverage among children <1 year in Niger was 84%.

**Nigeria:** Since the last update (11 October 2024), the GPEI reported five new confirmed cases and no deaths of cVDPV2 from four states. Cumulatively, 66 confirmed cases of cVDPV2 have been reported from 15 of 36 states and the federal capital territory. In 2023, the national oral polio vaccination (OPV3) coverage among children <1 year in Nigeria was 84%.

**Note:** In 2023, a total of 133 confirmed cases of circulating vaccine-derived poliovirus type 1 (cVDPV1) were reported from three AU MS: DRC (106 cases), Madagascar (24) and Mozambique (4) and 378 cases of cVDPV2 were reported from 20 AU MS: Benin (3), Burkina Faso (2), Burundi (3), CAR(14) Chad (55), Côte d'Ivoire (6), DRC (117), Ethiopia (1), Guinea (47), Kenya (14), Mali (11), Mauritania (1), Mozambique (1) Niger (2), Nigeria (87), Tanzania (3), Somalia (8), South Sudan (3), Zambia (1) and Zimbabwe (1).

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

The ministries of health continue to strengthen acute flaccid paralysis surveillance and polio supplemental vaccination campaigns in the affected areas.



\* A backlog of 20 cases of mpox from Rwanda, 15 cases of mpox from Côte d'Ivoire; and 56 cases of mpox from Nigeria were reported for week 42. Additionally, this report includes a backlog of 830 cases and 34 deaths of diphtheria from Chad (week 29), 669 cases and 10 deaths of cholera from Ethiopia, 380 cases of cholera from Sudan, 703 cases and four deaths of measles from Ethiopia, and 461 cases of Dengue from Ethiopia.

\*\* Cases of mpox in Côte d'Ivoire and DRC; diphtheria in Chad, measles in Chad, Mali and Senegal; cholera in DRC, dengue fever in Mali; and yellow fever in Congo and Gabon are batch reports.

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

-Epidemiological week 43 covers the period from October 21 to October 27, 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.