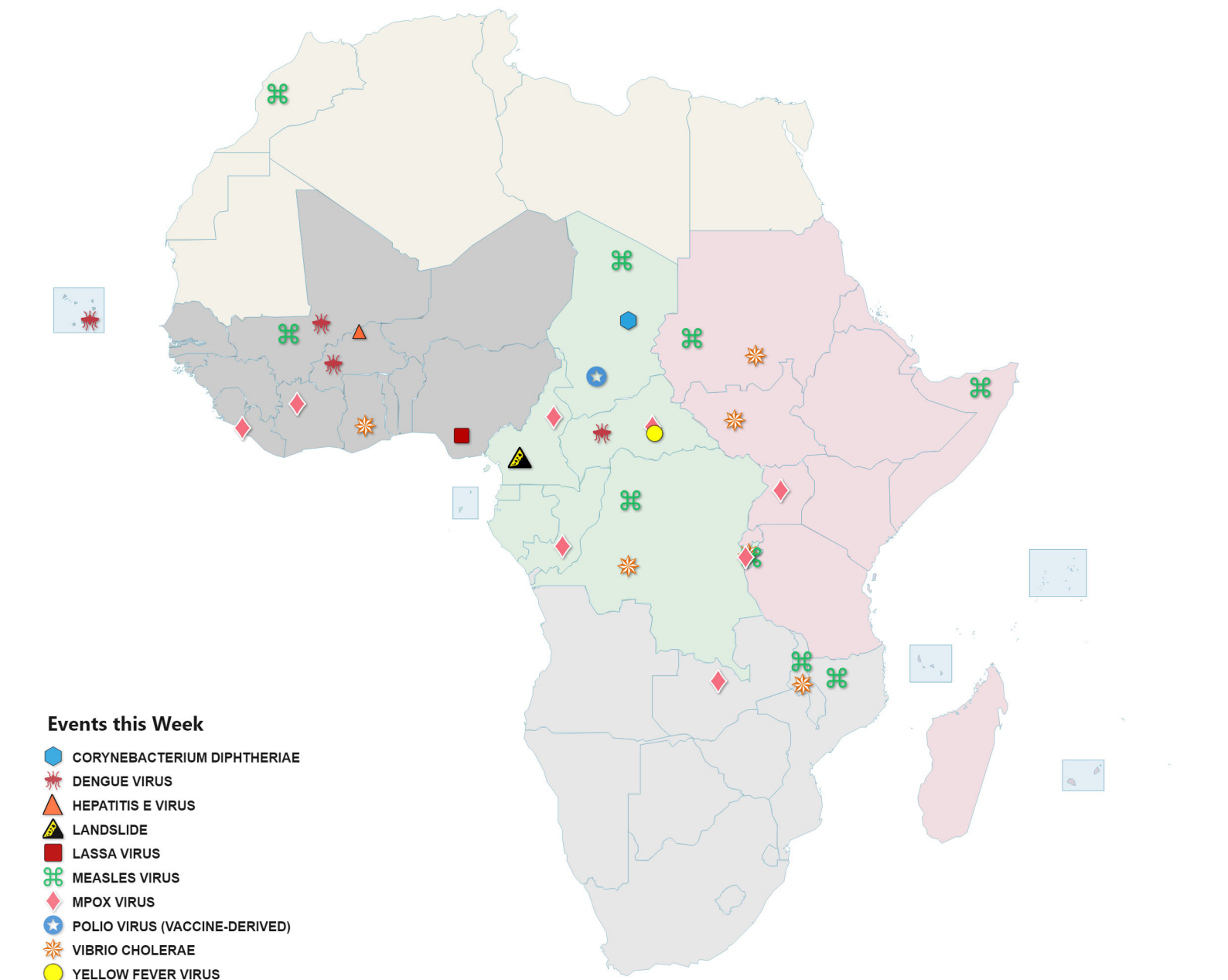



Africa CDC Epidemic Intelligence Report

Date of Issue: 10 Nov 2024

Active Events	New Events reported in 2024	Events highlighted this week	New events since last issue
195	132	33	2







*  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	7	25 (1)
Animal	0	0	0
Environment	0	1 (1)	0

Event Summary

New events since last issue

Agent/Syndrome	Country	Risk:Human	Risk:Animal	Type	Suspected	Probable	Confirmed	Deaths
 Landslide	Cameroon	High	N/A		0	0	0	3
 Vibrio cholerae	Malawi	Moderate	N/A		87		3	2

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		1,817 (224)	0 (0)	0 (0)	62 (10)
 Dengue virus	Burkina Faso	Moderate	N/A		64,043 (3,898)	20,080 (1,503)	0 (0)	88 (4)
	Cabo Verde	Moderate	N/A		19,285 (18,642)	0 (0)	12,682 (12,120)	3 (3)
	Central African Republic	Moderate	N/A		355 (62)	0 (0)	75 (44)	1 (0)
	Mali	Moderate	N/A		6,239 (233)	0 (0)	898 (86)	12 (2)
 Hepatitis E virus	Burkina Faso	Moderate	N/A		357 (52)	0 (0)	8 (0)	5 (2)
 Lassa virus	Nigeria	Moderate	Moderate		8,780 (99)	0 (0)	1,055 (8)	175 (1)
 Measles virus	Burundi	Moderate	N/A		14,884 (89)	0 (0)	0 (0)	149 (0)
	Chad	Moderate	N/A		7,577 (30)	0 (0)	978 (0)	27 (0)
	Democratic Republic of the Congo	High	N/A		89,506 (4,403)	0 (0)	0 (0)	2,145 (92)
	Malawi	Moderate	N/A		0 (0)		458 (152)	1 (1)
	Mali	Moderate	N/A		303 (2)	0 (0)	323 (4)	0 (0)
	Morocco	Moderate	N/A		9,528 (377)	0 (0)	4,657 (51)	94 (4)
	Mozambique	Moderate	N/A				839 (184)	23 (0)
	Somalia	Moderate	N/A		10,151 (133)	0 (0)	675 (23)	34 (0)
	Sudan	High	N/A		635 (23)	0 (0)	0 (0)	10 (0)
 Mpox virus	Burundi	Moderate	N/A		3,626 (265)	0 (0)	1,718 (209)	0 (0)
	Cameroon	High	N/A		113 (2)	0 (0)	6 (0)	2 (0)
	Central African Republic	High	N/A		394 (14)	0 (0)	66 (4)	2 (0)
	Congo Republic	High	N/A		254 (5)	0 (0)	22 (0)	0 (0)
	Côte d'Ivoire	Moderate	N/A		402 (2)	0 (0)	91 (2)	1 (0)
	Liberia	Moderate	N/A		303 (30)	0 (0)	29 (7)	0 (0)
	Uganda	Moderate	N/A		1,037 (184)	0 (0)	359 (184)	1 (0)
	Zambia	Moderate	N/A		103 (65)	0 (0)	1 (0)	0 (0)
 Polio virus (vaccine-derived)	Chad	Moderate	N/A		0 (0)	0 (0)	13 (2)	0 (0)
 Vibrio cholerae	Burundi	Moderate	N/A		2,200 (1,438)	0 (0)	0 (0)	12 (9)
	Democratic Republic of the Congo	High	N/A		27,811 (1,229)	0 (0)	569 (0)	409 (2)
	Ghana	Moderate	N/A		748 (487)	205 (140)	59 (18)	7 (6)
	South Sudan	Moderate	N/A		36 (9)	0 (0)	16 (10)	0 (0)
	Sudan	High	N/A		32,541 (1,904)	0 (0)	55 (0)	743 (39)
 Yellow fever virus	Central African Republic	Moderate	N/A		360 (323)	0 (0)	0 (0)	1 (1)

Human Event Updates

Very High Risk Events

Mpox in Africa

51,444 suspected case(s)
1,083 human deaths (**CFR: 2.11%**)

Agent/Pathogen	Mpox virus	First Reported	12-Jan-2024	Previous Report Update	1-Nov-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 44, a total of 51,444 cases of mpox of which, 11,147 have been confirmed, and 1,083 deaths [case fatality rate (CFR): 2.11%] have been reported from 20 African Union (AU) Member States (MS): Burundi (1,718 lab-confirmed cases; 0 death), Cameroon (6; 2), Central Africa Republic (CAR) (66; 2), Congo (22; 0), Côte d'Ivoire (91; 1), Democratic Republic of Congo (DRC) (8,662; 1,073), Gabon (2; 0), Ghana (2; 0), Guinea (1; 0), Liberia (29; 0), Kenya (14; 1), Mauritius (1; 0), Morocco (2; 0), Nigeria (118; 0), Rwanda (26; 0), South Africa (25; 3), Uganda (359; 1), Zambia (1; 0), and Zimbabwe (2; 0).

In epidemiological week 44, 567 cases, of which 406 were laboratory confirmed, and no deaths of mpox were reported from eight AU MS: Burundi, Cameroon, CAR, Congo, Côte d'Ivoire, Liberia, Uganda, and Zambia.

Burundi: Since the last update (1 November 2024), the Ministry of Health (MoH) reported 171 new cases, of which 102 were laboratory-confirmed, and no new deaths of mpox from 33 health districts in Burundi. This is a 49% decrease in the number of new cases reported compared to the last update. Cumulatively, 3,532 suspected cases, of which 1,611 were laboratory-confirmed, and no deaths of mpox have been reported from 43 of 49 health districts in Burundi. Children <15 years accounted for 46.7% of the confirmed cases and 51.5% of the confirmed cases were males. The clade Ib mpox strain was isolated from confirmed cases.

Cameroon: Since the last update (1 November 2024), the MoH reported two new cases, of which none were laboratory-confirmed, and no new deaths of mpox from two regions. This is the same number of new cases reported in the last update. Cumulatively, 113 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 confirmed cases. A total of 94 cases were tested resulting in a testing rate of 83.2% and a positivity rate of 6.4%. The clade II mpox strain was isolated from confirmed cases.

CAR:** Since the last update (4 October 2024), the MoH reported 14 new cases, of which four were laboratory-confirmed, and no new deaths of mpox from five health regions. Cumulatively, 394 cases, of which 66 were laboratory-confirmed and one death (CFR: 0.3%) of mpox have been reported from six of seven health regions in CAR. Children <15 years accounted for 51.5% and males accounted for 62%. Out of 394 cases detected, a total of 394 cases were tested (testing rate: 100%), of which 66 were positive for mpox, giving a positivity rate of 16.75%. The clade Ia mpox strain was isolated from confirmed cases.

Congo: Since the last update (1 November 2024), the MoH reported five new suspected cases and no death of mpox from Brazzaville, Cuvette and Likouala departments. This is a 50% decrease in the number of new cases compared to the last update. Cumulatively, 254 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 40.9% and males accounted for 59%. Of the 254 cases detected, 147 were tested resulting in a testing rate of 58% and positivity rate of 15%.

Côte d'Ivoire: Since the last update (1 November 2024), the MoH reported two new suspected cases, which were both laboratory-confirmed positive, and no new deaths of mpox. Cumulatively, 402 cases, of which 91 were laboratory confirmed, and one death (CFR: 1.1%) of mpox have been reported from 33 of 48 health districts in Cote d'Ivoire. Of the confirmed cases, children <15 years accounted for 42% and males accounted for 63%. The clade IIa mpox strain was isolated from confirmed cases.

Liberia: Since the last update (1 November 2024), the MoH reported 30 new cases, of which seven were laboratory confirmed, and no new deaths of mpox from eight counties. This is a 58% increase in the number cases reported compared to the last report. Cumulatively, 303 suspected cases, of which 29 were confirmed, and no deaths of mpox have been reported from 10 counties in Liberia. Of the confirmed cases, children <15 years account for 40%. A total of 252 cases were tested resulting in an 83% testing rate and a 11.5% positivity rate.

Uganda: Since the last update (1 November 2024), the MoH reported 184 new laboratory-confirmed cases of mpox and no new deaths from 25 districts. This is an eight-fold increase in the number of new cases reported compared to the last update. Cumulatively, 359 laboratory-confirmed cases and one death (CFR: 0.6%) of mpox have been reported from 36 of 146 districts in Uganda. A total of 1,037 cases were tested resulting in a 100% testing rate and a 34.6% test positivity rate. The clade Ib was isolated from all genetically sequenced cases.

Zambia:** Since the last update (4 October 2024), **Addressed** the Zambia National Institute of Public Health reported 102 new cases and no new deaths of mpox from nine provinces. Cumulatively, 103 cases, of which one was laboratory-confirmed, and no deaths of mpox have been reported from nine of ten provinces in Zambia. The age range of the suspected cases is 2–78 years. All the detected cases were tested, of which one tested positive, resulting in a testing rate of 100% and a positivity rate of 1%. The clade Ib mpox strain was isolated from confirmed 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.

An initial allocation of 899,000 vaccine doses have been planned for 9 countries: CAR, Cote d'Ivoire, DRC, Kenya, Liberia, Nigeria, Rwanda, South Africa and Uganda. Eighty-five percent were allocated to the Democratic Republic of the Congo as the most affected country.

In DRC, 51,649 people have been vaccinated to date. Of the vaccinated people, 33,188 (66%) are aged 18 to 39; 22,592 (44%) of the vaccinated people are female and 22,352 (44%) of the vaccinated people are contacts.

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 continental mpox situation.

High Risk Events

Lassa fever in Africa

1,095 confirmed human case(s)
8,965 suspected human case(s)
187 human deaths (**CFR: 17.08%**)

Agent/Pathogen	Lassa virus	First Reported	1-Jan-2024	Previous Report Update	1-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 44, a total of 10,060 cases (1,095 confirmed; 8,965 suspected) and 187 deaths (CFR: 17.3%) of Lassa fever have been reported from three AU MS: Guinea (27 cases; 2 deaths), Liberia (198; 10), and Nigeria (9,835; 175).

In epidemiological week 44, 107 new cases and one new death of Lassa fever were reported from Nigeria.

Nigeria: Since the last update (1 November 2024), the NCDC reported 107 new cases (8 confirmed; 99 suspected) and one new death (CFR: 12.5%) of Lassa fever from three states. This is a 14% decrease in the number of new cases reported compared to the last update. Cumulatively, 9,835 cases (1,055 confirmed; 8,780 suspected) and 175 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:

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

Human Event Updates

Moderate Risk Events

Cholera in Africa

24,639 confirmed human case(s), **218** probable human case(s), **163,041** suspected human case(s)
3,237 human deaths (**CFR: 1.72%**)

Agent/Pathogen	Vibrio cholerae	First Reported	1-Jan-2024	Previous Report Update	1-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 44, a total of 187,898 cases (24,639 confirmed; 218 probable; 163,041 suspected) and 3,237 deaths (CFR:1.72%) of cholera have been reported from 20 AU MS: Burundi (2,200 cases; 12 deaths), Cameroon (525; 8), Comoros (10,540; 152), DRC (28,380; 409), Ethiopia (26,052; 255), Ghana (1,012; 7), Kenya (300; 3), Malawi (351; 5), Mozambique (8,183; 17), Niger (273; 10), Nigeria (10,837; 359), Somalia (19,640; 138), South Africa (150; 1), South Sudan (52; 0), Sudan (32,596; 743), Tanzania (7,248; 114), Togo (32; 3), Uganda (52; 3), Zambia (20,063; 612), and Zimbabwe (19,412; 386).

In epidemiological week 44, a total of 5,325 new cases and 58 new deaths of cholera were reported from five (this is six) AU MS: Burundi, DRC, Ghana, Malawi, South Sudan, and Sudan.

Burundi:** Since the last update (18 October 2024), the MoH reported 1,438 new suspected cases and nine new deaths (CFR: 0.6%) of cholera from five regions in Burundi. Cumulatively, 2,200 suspected cases and 12 deaths (CFR: 0.5%) of cholera have been reported from 15 of 18 regions in Burundi this year. Children <5 years accounted for 17.2% of cases and 55.4% of the cases reported were males. This is a protracted outbreak that started in January 2023.

DRC: Since the last update (1 November 2024), the MoH reported 1,229 new suspected cases and two new deaths (CFR: 0.2%) of cholera from eight provinces. This is a 37% decrease in the number of new cases reported compared to the last update. Cumulatively, 28,380 cases (569 confirmed; 27,811 suspected) and 409 deaths (CFR: 1.4%) 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 (1 November 2024) the Ghana Health Services reported 645 new cases (18 confirmed; 140 probable; 487 suspected) and six new deaths (CFR: 0.9%) of cholera from two regions. This is over a four-fold increase in the number of new cases compared to the last update. Cumulatively, 1,012 cases (59 confirmed; 205 probable; 748 suspected) and seven deaths (CFR: 0.7%) of cholera have been reported from the Central and Greater Accra regions. *Vibrio cholerae* O1 was isolated from the confirmed cases.

Malawi (Initial report): On 31 October 2024, the Public Health Institute of Malawi reported 90 cases (3 confirmed; 87 suspected) and two deaths (CFR: 2.2%) of cholera from two districts: Chitipa (49 cases; 1 death) and Kalonga (41; 1). The outbreak was confirmed on 26 August 2024. Cumulatively, 351 cases (264 confirmed; 87 suspected) and five deaths (CFR: 1.4%) of cholera were reported from 14 of 29 districts in Malawi this year. On 10 July 2024, Malawi declared the end of a cholera outbreak that started in November 2023.

South Sudan: Since the last update (1 November 2024), the MoH reported 19 new cases (10 confirmed; 9 suspected) and no deaths from Renk county, Upper Nile state. This is a 42% decrease in the number of new cases reported compared to the last update. Cumulatively, 52 cases (16 confirmed; 36 suspected) and no deaths of cholera have been reported from one of ten states in South Sudan. Fifty-two 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 (1 November 2024), the MoH reported 1,904 new suspected cases and 39 new deaths (CFR: 2.0%) of cholera from 11 states. This is a 32% increase in the number of new cases reported compared to the last update. Cumulatively, 32,596 cases (55 confirmed; 32,541 suspected) and 743 deaths (CFR: 2.3%) of cholera 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.

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

20,933 confirmed human case(s), **207,695** suspected human case(s)
3,113 human deaths (**CFR: 1.36%**)

Agent/Pathogen	Measles virus	First Reported	1-Jan-2024	Previous Report Update	1-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 44, a total of 228,628 cases (20,933 confirmed; 207,695 suspected) and 3,113 deaths (CFR: 1.36%) of measles have been reported from 30 AU MS: Burkina Faso (10,639 cases; 46 deaths), Burundi (14,884; 149), Cameroon (2,359; 60), Central African Republic [CAR (4,550; 4)], Côte d'Ivoire (7,856; 169), Chad (8,555; 27), Congo (511; 4), DRC (89,506; 2,145), Ethiopia (28,421; 220) Gabon (307; 1), Ghana (1,398; 0), Kenya (1,953; 13), Liberia (2,729; 0), Mali (626; 0), Malawi (458; 1), Mauritania (2,881; 4), Morocco (14,185; 94), Mozambique (839; 23), Namibia (105; 0), Nigeria (10,870; 39), Niger (2,226; 13), Senegal (428; 0), Sierra Leone (67; 1), Somalia (10,826; 34), South Africa (339; 0), Sudan (635; 10), South Sudan (3,200; 41), Togo (628; 2), Uganda (2,011; 13), and Zambia (4,636; 0).

In epidemiological week 44, 5,321 new cases and 96 new deaths of measles were reported from nine AU MS: Burundi, Chad, DRC, Malawi, Mali, Morocco, Mozambique, Somalia, and Sudan.

Burundi:** Since the last update (18 October 2024), the MoH reported 89 new suspected cases and no new deaths of measles from 12 districts. Cumulatively, 14,884 suspected cases and 149 deaths (CFR: 1.0%) of measles have been reported from 22 of 49 districts in Burundi this year. In 2023, the national measles vaccination coverage among children <2 years in Burundi was 81%.

Chad: Since the last update (1 November 2024), the MoH reported 30 new cases and no new deaths from 10 provinces. This is a 67% increase in the number of new cases reported compared to the last update. Cumulatively, 8,555 cases (978 confirmed; 7,577 suspected) and 27 deaths of measles (CFR: 0.31%) have been reported from all the 10 provinces in Chad. This is a protracted outbreak that started in March 2023. In 2023, the national measles vaccination coverage among children <1 year in Chad was 83%.

DRC:** Since the last update (4 October 2024), the MoH reported 4,403 new suspected cases and 92 deaths (CFR: 2.1%) of measles from 24 provinces. Cumulatively, 89,506 suspected cases and 2,145 deaths (CFR: 2.4%) of measles have been reported from all 26 provinces in DRC. Of the total cases, children <5 years accounted for 74%. This is a protracted outbreak that started in January 2023. In 2023, the national measles vaccination coverage among children <2 years in DRC was 26%.

Malawi*: Since the last update (13 September 2024) the Public Health Institute of Malawi reported two new confirmed cases and no new deaths of measles from Lilongwe district. Cumulatively, 458 cases (256 confirmed; 202 suspected) and one death (CFR: 0.2%) of cholera were reported from two districts: Mangochi (153 cases and 1 death) and Lilongwe (305; 0). In 2023, the national measles vaccination coverage among children <2 years in Malawi was 86%.

Mali: Since the last update (1 November 2024), the MoH reported six new cases (4 confirmed; 2 suspected) and no new deaths of measles from three districts. This is a 40% decrease in new cases reported compared to the last update. Cumulatively, 626 cases (323 confirmed; 303 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 (1 November 2024), the MoH reported 428 new cases (51 confirmed; 377 suspected) and four new deaths (CFR: 0.9%) of measles from 10 regions. This is a 29% increase in the number of new cases reported compared to the last update. Cumulatively 14,185 cases (4,657 confirmed; 9,528 suspected) and 94 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%.

Mozambique:** Since the last update (18 October 2024), the MoH reported 184 new confirmed cases and no new deaths of measles from five provinces. Cumulatively, 839 confirmed and 23 deaths (CFR: 2.7%) of measles have been reported from five of ten provinces in Mozambique. In 2023, the national measles vaccination coverage among children <2 years in Mozambique was 84%.

Somalia: Since the last update (1 November 2024), the MoH reported 156 new cases (23 confirmed; 133 suspected) and no new deaths of measles from six states. This is a 19% decrease in new cases compared to the last update. Of the new reported cases, 70% were children <5 years. Cumulatively, 10,826 cases (675 confirmed; 10,151 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 (1 November 2024), the MoH reported 23 new suspected cases and no new deaths of measles from 11 states. This is a 90% increase in the number of new cases reported compared to the last update. Cumulatively, 635 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. This is a protracted outbreak that started in January 2024. 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), 1,001 suspected human case(s)
7 human deaths (CFR: 0.67%)

Agent/Pathogen	Yellow fever virus	First Reported	1-Jan-2024	Previous Report Update	1-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 44, a total of 1,042 cases (36 confirmed; 5 probable; 1,001 suspected) and seven deaths (CFR: 0.67%) of yellow fever have been reported from seven AU MS: CAR (360 cases; 1 deaths), Cameroon (8; 0), Congo (419; 0), Gabon (113; 0), Guinea (2; 0), South Sudan (139; 6), and Uganda (1; 0).

In epidemiological week 44, a total of 323 new cases and one new death of yellow fever were reported from CAR.

CAR:** Since the last update (22 March 2024), the MoH reported 323 suspected cases of yellow fever and one death (CFR:0.3%) of yellow fever from three regions. Cumulatively, 360 suspected cases and one death (CFR:0.3%) of yellow fever have been reported from all seven regions in CAR.

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

24,229 confirmed human case(s), **20,083** probable human case(s), **98,989** suspected human case(s)
116 human deaths (CFR: **0.08%**)

Agent/Pathogen	Dengue virus	First Reported	12-Jan-2024	Previous Report Update	1-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 44, a total of 143,301 cases (24,229 confirmed; 20,083 probable; 98,989 suspected) and 116 deaths (CFR: 0.08%) of dengue fever have been reported from 15 AU MS: Burkina Faso (84,123 cases; 88 deaths), Cameroon (1 ; 0), Cabo Verde (31,970; 0), CAR (430; 1), Chad (983; 0), Côte d'Ivoire (39; 0), Ethiopia (3,463; 0), Ghana (1,713; 2), Kenya (88; 0), Mali (7,137; 12), 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 44, a total of 36,591 new cases and six new deaths of dengue fever were reported from Burkina Faso, CAR, Cabo Verde, and Mali.

Burkina Faso: Since the last update (1 November 2024), the MoH reported 5,401 new cases (1,503 probable; 3,898 suspected) and four new deaths (CFR: 0.1%) of dengue fever from all 13 regions. This is a 15% decrease in the number of new cases reported compared to the last update. Cumulatively, 84,123 cases (64,043 suspected; 20,080 probable) and 88 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 52% of all cases and 47% of all deaths reported. This is a protracted outbreak that started in September 2023.

CAR:** Since the last update (4 October 2024), the MoH reported 106 new cases (44 confirmed; 62 suspected) and no new deaths from dengue fever from two regions. Cumulatively, 430 cases (75 confirmed; 355 suspected) and one death (CFR: 0.2%) of dengue fever have been reported from four of seven health regions. On 18 July 2024, two serotypes (DENV-1 and DENV-2) were detected among confirmed cases at Institut Pasteur de Bangui.

Cabo Verde:** Since the last update (21 June 2024), the MoH reported 30,765 new cases (12,120 confirmed; 3 probable; 18,642 suspected) and three new deaths (CFR: 0.01%) of dengue fever from all nine Islands in the country. Cumulatively, 31,970 cases (12,682 confirmed; 19,285 suspected) and three deaths (CFR: 0.01%) of dengue fever have been reported from all nine Islands. Santiago Island accounted for 82% of confirmed cases and all deaths. Two serotypes (DENV-1 and DENV-3) were detected among confirmed cases. This is a protracted outbreak that started in November 2023.

Mali: Since the last update (1 November 2024), the MoH reported 319 new cases (86 confirmed; 233 suspected) and two new deaths (CFR: 0.6%) of dengue fever from five regions. This is a 27% decrease in the number of new cases compared to the last update. Cumulatively, 7,137 cases (898 confirmed; 6,239 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 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.

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)
9,824 suspected human case(s)
505 human deaths (CFR: 5.14%)

Agent/Pathogen	Corynebacterium diphtheriae	First Reported	20-Jan-2023	Previous Report Update	1-Nov-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 44, a total of 19,640 cases (9,816 confirmed; 9,824 suspected) and 505 deaths (CFR: 5.14%) of diphtheria have been reported from five AU MS: Chad (1,817 cases; 62 deaths), Gabon (13; 0), Guinea (2,869; 17), Niger (746; 29), and Nigeria (14,195; 397).

In epidemiological week 44, a total of 224 new cases and 10 new deaths of diphtheria were reported from Chad.

Chad: Since the last update (1 November 2024), the MoH reported 224 new suspected cases and 10 new deaths (CFR: 4.5%) of diphtheria from four provinces. This is a 22% decrease in the number of new cases reported compared to the last update. Cumulatively, 1,817 suspected cases and 62 deaths (CFR: 3.4%) 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

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

Agent/Pathogen	Polio virus (vaccine-derived)	First Reported	23-Feb-2024	Previous Report Update	1-Nov-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 44, 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, 141 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 (13), 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 44, two new confirmed cases and no deaths of cVDPV2 were reported from Chad.

Chad: Since the last update (1 November 2024), the MoH reported two confirmed cases cVDPV2 and no deaths from Dar Sila and Guera provinces. Cumulatively, 13 cases of cVDPV2 and no deaths have been reported from six of twenty-three provinces and NDjamena capital city in Chad this year.

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.

Hepatitis E virus in Africa

201 confirmed human case(s), 3,777 suspected human case(s)
32 human deaths (CFR: 0.80%)

Agent/Pathogen	Hepatitis E virus	First Reported	21-Jun-2024	Previous Report Update	11-Oct-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 44, a total of 3,978 cases (201 confirmed; 3,777 suspected) and 32 deaths (CFR: 0.80%) of hepatitis E have been reported from three AU MS: Burkina Faso (365 cases; 5 deaths), Chad (3,459; 22), and CAR (154; 5).

In epidemiological week 44, a total of 52 new cases and two new deaths of hepatitis E were reported from Burkina Faso.

Burkina Faso:** Since the last update (11 October 2024), the MoH reported 52 new suspected cases and two new deaths (CFR: 3.8%) of hepatitis E from Kaya health district. Cumulatively, 365 cases (8 confirmed; 357 suspected) and five deaths (CFR: 1.4%) have been reported from Kaya health district. Of the total cases, females accounted for 57% and 55% 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.

Environmental Events

Landslide in Cameroon

3 human deaths

Agent/Pathogen	Landslide	First Reported	6-Nov-2024	First Occurred	5-Nov-2024	Country	Cameroon
Location	West region in Cameroun	Source	EIOS	GeoScope	LOW	Human Risk Assessment	HIGH
Animal Risk Assessment	N/A						

Description:

On 6 November 2024, the governor of the West region in Cameroon conducted a press briefing where he reported the occurrence of a landslide in the mountainous areas in the West region of Cameroon. The landslide was triggered by heavy rainfall that occurred on the night of 5 November 2024. As of 7 November, media reports at least three fatalities, several missing people, several roads affected and one blocked highway in the La Falaise locality, in Dschang city. Casualties are expected to be high due to a second landslide that occurred during road-clearing operations in response to the earlier landslide.

Response by MS/partner/Africa CDC:

The Governor of the West Region in Cameroon has ordered a complete closure of traffic between Santchou and Dschang for all vehicle types while the situation is being addressed. Search and rescue operations are still ongoing.

*This report includes a backlog of 1,567 cases of mpox (this numbers includes 44 cases of mpox from Nigeria from week 42, of which 10 are laboratory-confirmed; and 1,316 cases of mpox from DRC from week 43, of which 55 are laboratory-confirmed). Additionally, a backlog of 227 cholera cases was reported from Sudan from week 43; and a backlog of 150 measles cases was reported from Malawi from week 42. Cases of measles in Malawi are also a batch report.

** Cases of mpox in CAR and Zambia; cholera in Burundi; measles in Burundi, DRC, and Mozambique; Yellow fever in CAR; Dengue in CAR and Cabo Verde; and Hepatitis E in Burkina Faso are batch reports.

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

-Epidemiological week 44 covers the period from October 28 to November 3, 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.