

Africa CDC Epidemic Intelligence Report

Date of Issue: 20 Apr 2024

Active Events

123

New Events reported
in 2024

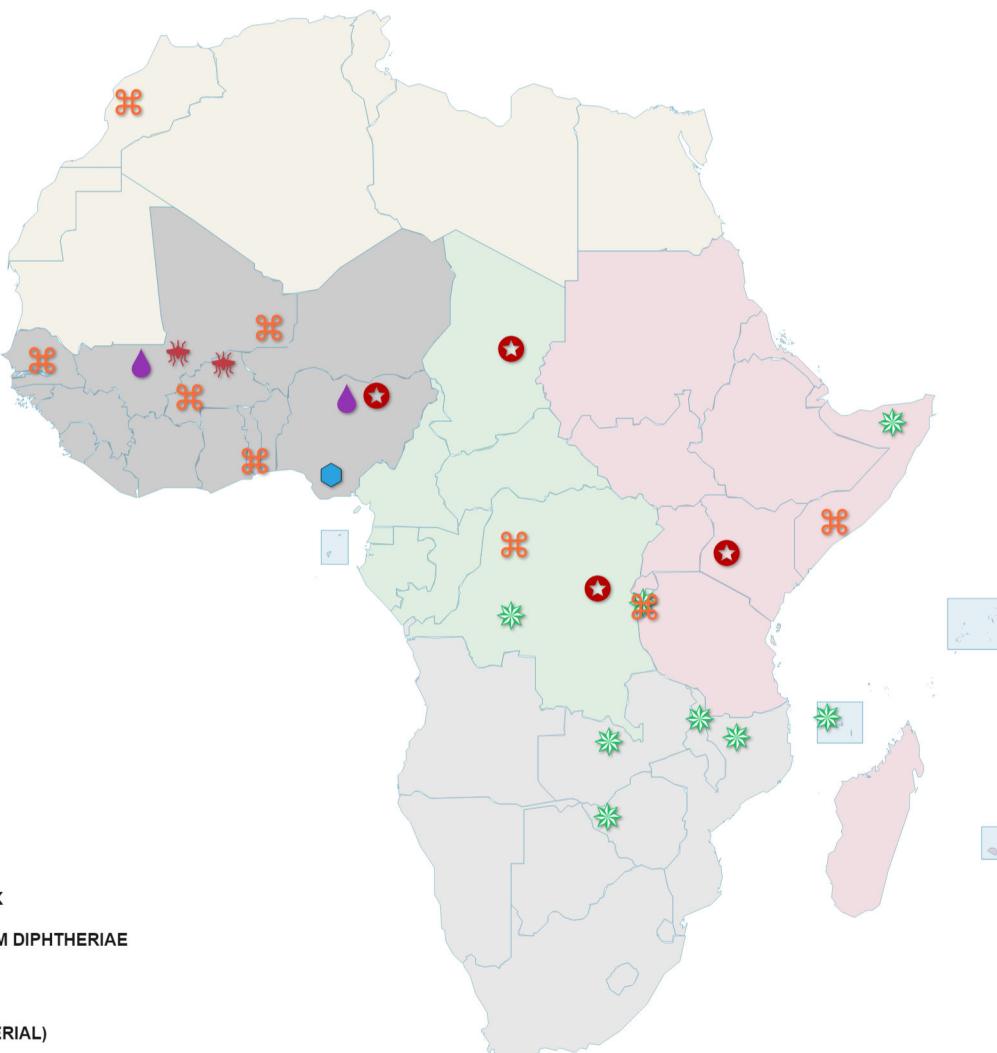
60

Events highlighted
this week

26

New events since
last issue

4



Events this Week

- ◆ CORYNEBACTERIUM DIPHTHERIAE
- ★ DENGUE VIRUS
- ✖ MEASLES VIRUS
- MENINGITIS (BACTERIAL)
- ★ POLIO VIRUS (VACCINE-DERIVED)
- ✳ VIBRIO CHOLERAES

* □ 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) |
|-------------|-----------------|------------|----------------|
| Event Type | | | |
| Human | 0 | 13 (2) | 13 (2) |
| 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 |
|-------------------------------|----------------------------------|------------|-------------|------|-----------|----------|-----------|--------|
| Dengue virus | Burkina Faso | High | N/A | 👤 | 15,800 | 4,770 | 0 | 37 |
| Polio virus (vaccine-derived) | Chad | Mode... | N/A | 👤 | 0 | 0 | 1 | 0 |
| | Democratic Republic of the Congo | Mode... | N/A | 👤 | 0 | 0 | 1 | 0 |
| | Kenya | High | N/A | 👤 | 0 | 0 | 1 | 0 |

Events Highlighted this week

| Agent/Syndrome | Country | Risk:Human | Risk:Animal | Type | Suspected (New) | Probable (New) | Confirmed (New) | Deaths (New) |
|-------------------------------|----------------------------------|------------|-------------|------|-----------------|----------------|-----------------|--------------|
| Corynebacterium diphtheriae | Nigeria | High | N/A | 👤 | 2,606 (146) | 0 (0) | 3,036 (336) | 68 (15) |
| Dengue virus | Mali | Mode... | N/A | 👤 | 2,684 (151) | 0 (0) | 558 (26) | 3 (0) |
| | Mauritius | Mode... | N/A | 👤 | 0 (0) | 0 (0) | 6,312 (389) | 5 (0) |
| Measles virus | Burkina Faso | Mode... | Mode... | 👤 | 7,393 (1,238) | 0 (0) | 362 (0) | 37 (13) |
| | Burundi | Mode... | N/A | 👤 | 5,422 (1,224) | 0 (0) | 0 (0) | 87 (9) |
| | Democratic Republic of the Congo | High | N/A | 👤 | 37,304 (7,160) | 0 (0) | 0 (0) | 909 (118) |
| | Mali | Mode... | N/A | 👤 | 222 (60) | 0 (0) | 252 (17) | 0 (0) |
| | Morocco | Mode... | N/A | 👤 | 2,002 (512) | 0 (0) | 984 (180) | 7 (2) |
| | Senegal | Mode... | Mode... | 👤 | 0 (0) | 0 (0) | 213 (25) | 0 (0) |
| | Somalia | Mode... | N/A | 👤 | 4,646 (271) | 0 (0) | 241 (27) | 10 (1) |
| | Togo | Mode... | N/A | 👤 | 243 (82) | 0 (0) | 92 (22) | 1 (0) |
| Meningitis (Bacterial) | Mali | Mode... | N/A | 👤 | 172 (34) | 0 (0) | 43 (8) | 0 (0) |
| | Nigeria | High | N/A | 👤 | 3,021 (2,452) | 0 (0) | 281 (222) | 265 (187) |
| Polio virus (vaccine-derived) | Nigeria | Mode... | N/A | 👤 | 0 (0) | 0 (0) | 8 (1) | 0 (0) |
| Vibrio cholerae | Burundi | High | N/A | 👤 | 141 (5) | 0 (0) | 0 (0) | 0 (0) |
| | Comoros | High | Mode... | 👤 | 0 (0) | 0 (0) | 1,855 (982) | 45 (23) |
| | Democratic Republic of the Congo | High | N/A | 👤 | 12,426 (955) | 0 (0) | 398 (0) | 233 (16) |
| | Malawi | High | N/A | 👤 | 0 (0) | 0 (0) | 256 (13) | 5 (0) |
| | Mozambique | High | N/A | 👤 | 0 (0) | 0 (0) | 15,418 (235) | 11 (0) |
| | Somalia | High | N/A | 👤 | 6,687 (603) | 0 (0) | 548 (27) | 75 (3) |
| | Zambia | High | N/A | 👤 | 22,069 (177) | 0 (0) | 851 (0) | 729 (10) |
| | Zimbabwe | High | N/A | 👤 | 28,272 (340) | 0 (0) | 3,920 (26) | 575 (11) |

Human Event Updates

High Risk Events

Cholera in Africa

13,351 confirmed human case(s), **64,785** suspected human case(s)
1,466 human deaths (CFR: **1.88%**)

| | | | | | | | |
|-----------------------|---------------------------|------------------------|-------------------|------------------------|---------------------------|----------------|-------------------|
| Agent/Pathogen | Vibrio cholerae | First Reported | 1-Jan-2024 | Previous Report Update | 12-Apr-2024 | First Occurred | 1-Jan-2024 |
| Country | Multiple Countries | Location | 15 MS | Source | Ministry of Health | GeoScope | HIGH |
| Human Risk Assessment | HIGH | Animal Risk Assessment | N/A | | | | |

Update to Event:

Since the beginning of this year, a total of 78,136 cases (13,351 confirmed; 64,785 suspected) and 1,466 deaths [case fatality rate (CFR): 1.88%] of cholera have been reported from 15 African Union (AU) Member states (MS): Burundi (141 cases; 0 deaths), Cameroon (138; 27), Comoros (1,855; 45), Democratic Republic of Congo [DRC (12,824; 233)] Ethiopia (9,565; 70), Kenya (186; 1), Malawi (256; 3), Mozambique (7,057; 11), Nigeria (318; 4), Somalia (7,235; 75), South Africa (2; 0), Tanzania (1,846; 32), Uganda (38; 1), Zambia (19,625; 607) and Zimbabwe 17,050; 357). This week, 3,586 new cases and 58 new deaths of cholera were reported from eight AU MS: Burundi, Comoros, DRC, Malawi, Mozambique, Somalia, Zambia and Zimbabwe.

Burundi: Since the last update (12 April 2024), the Ministry of Health (MoH) reported five new suspected cases and no new deaths of cholera from Bujumbura Nord district. This is a 50% decrease in the number of new cholera cases compared to the last update. Cumulatively, 141 suspected cases and no deaths of cholera have been reported from 13 of 45 health districts in Burundi this year. This is a protracted outbreak that started in January 2023.

Comoros: Since the last update (12 April 2024), the MoH reported 982 new confirmed cases and 23 new deaths (CFR: 2.3%) of cholera from three regions in Comoros. This is almost a 4-fold increase in the number of new cases compared to the last update. Cumulatively, 1,855 confirmed cases (11 imported; 1,844 local) and 45 deaths (CFR: 2.4%) of cholera have been reported from Mwali, Ndzuwani and Ngazidja regions. Of the total cases, 67% were reported from the Ndzuwani region.

DRC: Since the last update (12 April 2024), the MoH reported 955 new suspected cases and 16 new deaths (CFR: 1.7%) of cholera from seven provinces: Haut- Lomami, Kasai, Congo- Central, Lualaba, Nord-Kivu, Sud-Kivu and Tanganyika. This is a 47% decrease in the number of new cases compared to the last update. Cumulatively, 12,824 cases (398 confirmed; 12,426 suspected) and 233 deaths (CFR: 1.8%) of cholera were reported from 12 of 26 provinces in DRC this year. This is a protracted outbreak that started in March 2022.

Malawi: Since the last update (12 April 2024), the MoH reported 13 new confirmed cases and no new deaths of cholera from five districts. Cumulatively, 256 confirmed cases and three deaths (CFR: 1.2%) of cholera have been reported from 14 of 29 districts in Malawi this year. This is a protracted outbreak that started in November 2023.

Mozambique: Since the last update (12 April 2024), the MoH reported 235 new confirmed cases and no new deaths of cholera from eight provinces. This is a 34% decrease in the number of new cases compared to the last update. Cumulatively, 7,057 confirmed cases and 11 deaths (CFR: 0.2%) of cholera have been reported from eight of ten provinces in Mozambique this year. This a protracted outbreak that started in October 2023.

Somalia: Since the last update (5 April 2024), the MoH reported 630 new cases (27 confirmed; 603 suspected) and three new deaths (CFR: 0.5%) of cholera from five states. This is a 60% decrease in the number of new cases compared to the last update. Cumulatively, 7,235 cases (548 confirmed; 6,687 suspected) and 75 deaths (CFR: 1.0%) of cholera have been reported from five of seven states in Somalia this year. Of the total cases, 58% were children <5 years. This is a protracted outbreak that started in 2022 and 2017 in the Banadir region.

Zambia: Since the last update (12 April 2024), the Zambia National Public Health Institute reported 177 new suspected cases and six new deaths (CFR: 3.4%) of cholera from five districts. This is a 31% decrease in the number of new cases compared to the last update. Cumulatively, 19,625 cases (851 confirmed; 18,774 suspected) and 607 deaths (CFR: 3.1%) of cholera have been reported from 70 of 116 districts in Zambia this year. Of the total cases reported, 33% were children <15 years. This is a protracted outbreak that started in October 2023.

Zimbabwe: Since the last update (12 April 2024), the MoH reported 589 new cases (15 confirmed; 574 suspected) and 10 new deaths (CFR: 1.7%) of cholera from 16 districts. Cumulatively, 17,050 cases (2,176 confirmed; 14,874 suspected) and 357 deaths (CFR: 2.1%) of cholera have been reported from 61 of 64 districts in Zimbabwe this year. This is a protracted outbreak that started in February 2023.

Note: In 2023, a total of 241,317 cases (93,475 confirmed; 147,842 suspected) and 3,827 deaths (CFR: 1.6%) of cholera were reported from 19 AU MS: Burundi (1,396 cases; 9 deaths), Cameroon (21,269; 508), Congo (724; 14), DRC (41,351; 352), Eswatini (2; 0), Ethiopia (29,869; 426), Kenya (8,937; 148), Malawi (43,015; 1,262), Mozambique (41,248; 164), Nigeria (3,863; 128), Somalia (18,304; 46), South Africa (1,074; 47), Sudan (9,000; 245), South Sudan (1471; 2), Tanzania (821; 18), Togo (1; 0), Uganda (78; 10), Zambia (3,757; 88) and Zimbabwe (15,137; 333).

Response by MS/partner/Africa CDC:

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

Dengue fever in Africa

6,950 confirmed human case(s), **4,770** probable human case(s), **21,233** suspected human case(s)
47 human deaths (CFR: **0.14%**)

| Agent/Pathogen | Dengue virus | First Reported | 12-Jan-2024 | Previous Report Update | 12-Apr-2024 | First Occurred | 1-Jan-2024 |
|-----------------------|--------------------|------------------------|-------------|------------------------|--------------------|----------------|------------|
| Country | Multiple Countries | Location | 9 MS | Source | Ministry of Health | GeoScope | HIGH |
| Human Risk Assessment | HIGH | Animal Risk Assessment | N/A | | | | |

Update to Event:

Since the beginning of this year, a total of 32,953 cases (6,950 confirmed; 4,770 probable; 21,233 suspected) and 47 deaths (CFR: 0.14%) of dengue fever have been reported from nine AU MS: Burkina Faso (20,570 cases; 37 deaths), Cameroon (1; 0), Chad (983; 0), Ethiopia (1,725; 2), Kenya (88; 0), Mali (3,242; 3), Mauritius (6,312; 5), Sao Tome and Principe (9; 0) and Senegal (23; 0). This week, 21,136 new cases and 37 new deaths of dengue fever were reported from Burkina Faso, Mali and Mauritius.

Burkina Faso (initial report): Since the beginning of the year, the MoH reported 20,570 cases (0 confirmed; 4,770 probable; 15,800 suspected) and 37 deaths (CFR: 0.2%) of dengue fever from all 13 regions in Burkina Faso. The two most affected regions were Center (11,277 cases; 14 deaths) and Hauts-Bassins (3,644; 9). The last outbreak of dengue fever in Burkina Faso occurred in 2023 with 242,425 cases and 709 deaths (CFR: 0.3%), reported from all 13 regions.

Mali: Since the last update (12 April 2024), the MoH reported 177 new cases (26 confirmed; 151 suspected) and no new deaths of dengue fever from two regions: Bamako (176 cases) and Koulikoro (1). This is a 45% decrease in the number of new cases compared to the last update. Cumulatively, 3,242 cases (558 confirmed; 2,684 suspected) and three deaths (CFR: 0.09%) of dengue fever have been reported from nine of ten regions in Mali this year. Two serotypes (VDEN-1 and VDEN-3) were detected among confirmed cases. This is a protracted outbreak that started in September 2023.

Mauritius: Since the last update (12 April 2024), the MoH reported 389 new confirmed cases and no new deaths of dengue fever from two islands: Mauritius (293 cases) and Rodrigues (96). This is an 8.4% increase in the number of new cases compared to the last update. Cumulatively, 6,312 confirmed cases and five deaths (CFR: 0.08%) of dengue fever have been reported from Mauritius (4,383 local cases; 10 imported cases; 5 deaths) and Rodrigues (1,915; 4; 0) islands in Mauritius.

Dengue is an arbovirus in the Flaviridae family, transmitted primarily by Aedes mosquitoes. Aedes mosquitoes are also responsible for transmitting chikungunya, yellow fever, and Zika virus. There are four distinct, but closely related, serotypes of the virus (DENV-1, DENV-2, DENV-3, and DENV-4). The average CFR of dengue is less than 1% but can be up to 15% if untreated. Recovery from infection is believed to confer lifelong immunity against a serotype.

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), Cote 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 of the affected MS continue to conduct enhanced surveillance, case management, vector control and risk communication activities in the affected areas.

Human Event Updates

Moderate Risk Events

Measles in Africa

4,650 confirmed human case(s), **84,257** suspected human case(s)
1,292 human deaths (CFR: **1.45%**)

| | | | | | | | |
|-----------------------|---------------------------|------------------------|-------------------|------------------------|---------------------------|----------------|-------------------|
| Agent/Pathogen | Measles virus | First Reported | 1-Jan-2024 | Previous Report Update | 12-Apr-2024 | First Occurred | 1-Jan-2024 |
| Country | Multiple Countries | Location | 21 MS | Source | Ministry of Health | GeoScope | HIGH |
| Human Risk Assessment | Moderate | Animal Risk Assessment | N/A | | | | |

Update to Event:

Since the beginning of this year, a total of 88,907 cases (4,650 confirmed; 84,257 suspected) and 1,292 deaths (CFR: 1.45%) of measles have been reported from 21 AU MS: Burkina Faso (7,755 cases; 37 deaths), Burundi (5,422; 87), Chad (3,191; 5), Cameroon (874; 104), Central African Republic [CAR (1,080; 3)], Congo (178; 2), DRC (37,304; 909), Ethiopia(15,536; 112), Gabon (106; 0), Kenya (157; 2), Liberia (341; 0), Malawi (303; 0), Mali (474; 0), Mauritania (1,708; 4), Morocco (2,986; 7), Nigeria (2,739; 2), Senegal (213; 0), Somalia (4,890; 10), Togo (335; 1), Uganda (806; 7) and Zambia (2,509; 0). This week, 10,821 new cases and 143 new deaths of measles were reported from eight AU MS: Burkina Faso, Burundi, DRC, Mali, Morocco, Senegal, Somalia and Togo.

Burkina Faso: Since the last update (12 April 2024), the MoH reported 1,238 new suspected cases and 13 new deaths (CFR: 1.1%) of measles from all 13 regions in Burkina Faso. This is a 54% decrease in the number of new cases compared to the last update. Cumulatively, 7,755 cases (362 confirmed; 7,393 suspected) and 37 deaths (CFR: 0.5%) of measles have been reported from all the regions in Burkina Faso. Of the total cases, males and children <5 years accounted for 51% and 65% respectively. Six percent of the confirmed cases were vaccinated against measles virus. In 2022, the national measles vaccination coverage among children <5 years in Burkina Faso was 96%.

Burundi*: Since the last update (5 April 2024), the MoH reported 1,224 new suspected cases and nine new deaths (CFR: 0.7%) of measles from 11 districts. Cumulatively, 5,422 suspected cases and 87 deaths (CFR: 1.6%) of measles have been reported from 20 of 49 districts in Burundi. In 2023, the national measles vaccination coverage among children <2 years in Burundi was 81%.

DRC*: Since the last update (5 April 2024), the MoH reported 7,160 new suspected cases and 118 new deaths (CFR: 1.6%) of measles from 25 provinces. Cumulatively, 37,304 suspected cases and 909 deaths (CFR: 2.4%) of measles have been reported from all 26 provinces in DRC this year. This is a protracted outbreak started in January 2023. In 2020, the national measles vaccination coverage among children <1 year in DRC was 57%.

Mali: Since the last update (5 April 2024), the MoH reported 77 new cases (17 confirmed; 60 suspected) and no new deaths of measles from 11 districts. This is a 3% decrease in the number of new cases compared to the last update. Cumulatively, 474 cases (226 confirmed; 248 suspected) and no deaths of measles have been reported from 21 of 75 districts in Mail this year. This is a protracted outbreak that started in July 2023. In 2023, the national measles vaccination coverage among children less than 5 years in Mali was 114%.

Morocco: Since the last update (5 April 2024), the MoH reported 692 new cases (180 confirmed; 512 suspected) and two new deaths (CFR: 0.3%) of measles from Souss Massa region. This is a 5% increase in the number of new cases compared to the last update. Cumulatively, 2,986 cases (984 confirmed; 2,002 suspected) and seven deaths (CFR: 0.2%) of measles have been reported from Souss Massa region this year. Thirty-five percent of the cases were children between 8 months and 11 years. This is a protracted outbreak that started in October 2023. In 2021, the national measles vaccination coverage among one-year-old children in Morocco was 99%.

Senegal: Since the last update (29 March 2024), the MoH reported 25 new confirmed cases and no new deaths of measles from three districts. This is a 34% decrease in the number of new cases compared to the last update. Cumulatively, 213 confirmed cases and no deaths of measles have been reported from 32 of 45 districts in Senegal. Of the confirmed cases, 51% were males and 40% were children between 5 and 15 years of age. Additionally, 72% of the confirmed cases were not vaccinated against measles virus. In 2022, the national measles vaccination coverage among children <5 years in Senegal was 66%.

Somalia: Since the last update (12 April 2024), the MoH reported 301 new cases (27 confirmed; 274 suspected) and one new death (CFR: 0.3%) of measles from six states in Somalia. This is a 10% decrease in the number of new cases compared to the last update. Fifty-three percent of the cases were from: Banadir, Bari, Lower Juba and Lower Shabelle. Cumulatively, 4,890 cases (241 confirmed; 4,649 suspected)

and 10 deaths (CFR: 0.2%) of measles have been reported from the seven states in Somalia this year. Of the total cases, 72% were children <5 years. 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%.

Togo: Since the last update (5 April 2024), the MoH reported 104 new cases (22 confirmed; 82 suspected) and no new deaths of measles from three districts in Togo. This is a 49% decrease in the number of new cases compared to the last update. Cumulatively, 335 cases (92 confirmed; 243 suspected) and one death (CFR: 0.3%) of measles have been reported from eight of forty districts in Togo. Of the total cases, 52% were females and 27% were children between 5 and 15 years of age. Among the confirmed cases, 7% were fully vaccinated against measles virus. In 2023, the national measles vaccination coverage among children <5 years in Togo was 89%.

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.

Mpox in Africa

362 confirmed human case(s), **4,897** suspected human case(s)
319 human deaths (**CFR: 6.07%**)

| Agent/Pathogen | Mpox virus | First Reported | 12-Jan-2024 | Previous Report Update | 12-Apr-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:

Since the beginning of this year, a total of 5,259 cases (362 confirmed; 4,897 suspected) and 319 deaths (CFR: 6.07%) of mpox have been reported from five AU MS: Cameroon (14 cases; 1 death), CAR (93; 0), Congo (64; 0), DRC (5,086; 318) and Liberia (2; 0). This week, 167 new suspected cases and seven new deaths of mpox were reported from DRC.

DRC: Since the last report (12 April 2024), the MoH reported 167 new suspected cases and seven new deaths (CFR: 4.2%) of mpox from 10 provinces. This is a 56% decrease in the number of new cases compared to the last update. Cumulatively, 5,086 cases (319 confirmed; 4,767 suspected) and 318 deaths (CFR: 6.3%) of mpox have been reported from 23 of 26 provinces in DRC. Children between 5 and 15 years accounted for 70% of the cases and 88% of the deaths. Of the confirmed cases, 60% were males. The clade 1 mpox strain was isolated from the 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:

DRC: The MoH continues to intensify surveillance, active case search, risk communication and community engagement activities in the affected regions. Africa CDC convened a high-level emergency regional meeting on mpox which brought together ministers of health from 12 mpox affected countries from 11-13 April 2024. One of the outcomes of the meeting was a resolution to promote a 'One Health' approach and community-centered response mechanisms in the preparedness and response to mpox in Africa.

Diphtheria in Africa

3,789 confirmed human case(s)

4,335 suspected human case(s)

109 human deaths (CFR: **2.88%**)

| | | | | | | | |
|-----------------------|------------------------------------|------------------------|--------------------|------------------------|---------------------------|----------------|-------------------|
| Agent/Pathogen | Corynebacterium diphtheriae | First Reported | 20-Jan-2023 | Previous Report Update | 5-Apr-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:

Since the beginning of this year, a total of 8,124 cases (3,789 confirmed; 4,335 suspected) and 109 deaths (CFR: 2.88%) of diphtheria have been reported from five AU MS: Chad (222 cases; 1 death), Gabon (6; 0), Guinea (1,508; 11), Niger (746; 29) and Nigeria (5,642; 68). This week, 482 new cases and 15 new deaths of diphtheria were reported from Nigeria.

Nigeria:** Since the last update (29 March 2024), the Nigeria Centre for Disease Control (NCDC) reported 482 new cases (336 confirmed; 146 suspected) and 15 new deaths (CFR: 4.5%) of diphtheria. Cumulatively, 5,642 cases (3,036 confirmed; 2,606 suspected) and 68 deaths (CFR: 2.2%) of diphtheria have been reported from 12 of 36 states and the federal capital territory this year. Of the total cases, females accounted for 59%. Twenty-five percent of the cases were fully vaccinated against diphtheria. This is a protracted outbreak that started in December 2022. In 2023, the national Penta3 vaccination coverage among children <1 year in Nigeria was 84%.

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:

Nigeria: The diphtheria technical working Group (TWG) continues to coordinate and monitor diphtheria surveillance and response activities in the country.

Polio virus (vaccine-derived) in Africa

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

| Agent/Pathogen | Polio virus (vaccine-derived) | First Reported | 23-Feb-2024 | Previous Report Update | 12-Apr-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:

Since the beginning of this year, one confirmed case and no deaths of circulating vaccine-derived poliovirus type 1 (cVDPV1) was reported from DRC and 12 confirmed cases and no deaths of circulating vaccine-derived poliovirus type 2 (cVDPV2) have been reported from five AU MS: Chad (1 case), Kenya (1), Nigeria (8), South Sudan (1) and Zimbabwe (1). This week, three new confirmed cases of cVDPV2 and one new confirmed case of cVDPV1 were reported from four MS: Chad, DRC, Kenya and Nigeria.

Chad (initial report): On 18 April 2024, the MoH reported one confirmed case of cVDPV2 from Mandoul region. This is the first case of cVDPV2 reported in Chad this year. Chad reported 55 cases of cVDPV2 in 2023.

DRC (initial report): On 18 April 2024, the MoH reported one confirmed case of cVDPV1 from Haut-Katanga province in DRC. This is the first case of cVDPV1 reported in DRC this year. DRC reported 105 cases of cVDPV1 in 2023.

Kenya (initial report): On 10 April 2024, the MoH reported an outbreak of cVDPV2 in Dadaab refugee camp, Dadaab sub-county, Garissa County, northeastern Kenya. The MoH reported one case that presented with weakness of the lower limbs, fever and general fatigue. Samples sent to Kenya Medical Research Institute tested positive to cVDPV2 and was confirmed by genomic sequencing at Atlanta Center for Disease Control laboratory. This is the first case of cVDPV2 reported in Kenya this year. Kenya reported 14 cases of cVDPV2 in 2023.

Nigeria: Since the last update, (12 April 2024), the MoH reported one confirmed case cVDPV2 from Kebbi state. Cumulatively, eight cases of cVDPV2 have been reported from five of the thirty-six states and the federal capital territory: Kaduna (1 case), Kano (1), Katsina (1), Kebbi (1) and Sokoto (4).

Poliomyelitis (polio) is highly infectious viral disease that largely affects children under 5 years of age. The virus is transmitted by person-to-person through fecal-oral route or by a common vehicle (e.g. contaminated water or food) and multiplies in the intestine, from where it can invade the nervous system and cause paralysis. Its Incubation period is within 7-14 days and case/fatality rate within 2% to 10%. Symptoms include Sore throat, headache, vomiting and myalgia followed by flaccid paralysis. Paralysis is typically asymmetrical, and most often involves the lower extremities. Over 90% to 95% of poliomyelitis infections are asymptomatic and 4% to 8% experience minor symptoms while 1% to 2% develop paralysis. Poliomyelitis is diagnosed by viral culture (pharynx, stool), serology and nucleic acid amplification techniques.

Note: In 2023, a total of 134 confirmed cases of circulating vaccine-derived polio virus were reported from three AU MS: DRC (106 cases), Madagascar (24) and Mozambique (4) and 375 cases of cVDPV2 were reported from 19 AU MS: Benin (3), Burkina Faso (2), Burundi (3), Central African Republic [CAR(14)], Chad (55), Côte d'Ivoire (6), DRC (117), Guinea (46), Kenya (14), Mali (11), Mauritania (1), Mozambique (1) Niger (2), Nigeria (87), Tanzania (3), Somalia (5), South Sudan (3), Zambia (1) and Zimbabwe (1).

Response by MS/partner/Africa CDC:

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

Bacterial Meningitis in Africa

366 confirmed human case(s), **4,394** suspected human case(s)
344 human deaths (**CFR: 7.23%**)

| | | | | | | | |
|-----------------------|-------------------------------|------------------------|--------------------|------------------------|---------------------------|----------------|--------------------|
| Agent/Pathogen | Meningitis (Bacterial) | First Reported | 19-Jan-2024 | Previous Report Update | 5-Apr-2024 | First Occurred | 17-Jan-2024 |
| Country | Multiple Countries | Location | 2 MS | Source | Ministry of Health | GeoScope | Moderate |
| Human Risk Assessment | Moderate | Animal Risk Assessment | N/A | | | | |

Description:

Since the beginning of this year, a total of 4,760 cases (366 confirmed; 4,394 suspected) and 344 deaths (CFR: 7.23%) of bacterial meningitis have been reported from two AU MS: Mali (215 cases; 0 deaths) and Nigeria (3,302; 265). This week, 2,716 new cases and 187 new deaths of bacterial meningitis were reported from Mali and Nigeria.

Mali: Since the last update (5 April 2024), the MoH reported 42 new cases (8 confirmed; 34 suspected) and no new deaths of bacterial meningitis from two districts. This is a 68% increase in the number of new cases compared to the last update. Cumulatively, 215 cases (43 confirmed; 172 suspected) and no deaths of bacterial meningitis have been reported from 11 of 75 districts in Mali. The bacteria: *Streptococcus pneumoniae* (19 cases), *Haemophilus influenzae* (10), *Neisseria meningitidis* type C (6), *Neisseria meningitidis* type X (2) and *Neisseria meningitidis* type W135 (6) were isolated from the confirmed cases. In 2023, the national meningitis vaccination coverage among children <5 years in Mali was 94%.

Nigeria: Since the last update (15 March 2024), the NCDC reported 2,674 new cases (222 confirmed; 2,452 suspected) and 187 deaths (CFR: 7.0%) of meningitis from 11 states. Cumulatively, 3,302 cases (281 confirmed; 3,021 suspected) and 265 deaths (CFR: 8.0%) of bacterial meningitis have been reported from 23 of the 36 states and federal capital territory this year. This is a protracted outbreak that started in October 2023. Of the confirmed cases, 67% were males. The bacteria: *Neisseria meningitidis* type C accounted for 94% of all the cases. In 2023, the national meningitis vaccination coverage among children <5 years in Nigeria was 83%.

Response by MS/partner/Africa CDC:

Mali: The MoH continues to conduct active case search, community engagement and sensitization of communities in the affected districts. Additionally, the MoH activated epidemic management committees at all levels.

Nigeria: The NCDC continues to support the affected states for coordinated response activities.

*Measles cases and deaths reported from Burundi and DRC were batch reports.

**The new diphtheria cases and deaths in Nigeria were batch reports for the past three weeks.

-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, 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.