Africa Humanitarian Action

EPIDEMIOLOGY BULLETIN

NOVEMBER 25 _ JANUARY 3, 2025

Hazards
Mpox
Cholera outbreak in Africa as of January 3, 2025
Measles Outbreak in Africa, as of January 3,2025
Dengue Fever in Africa, as of January 3, 2025
Diphtheria cases and deaths in Africa as of January 3, 2025
Polio virus (vaccine-derived) in Africa

1. Mpox

Global Mpox Situation Jan to January 3, 2025

- Globally, monkeypox virus (MPXV) clade I and clade II are circulating in different countries, with the epidemiological trends remaining largely unchanged.
- Between epidemiological weeks 1 and 52, a total of 72,506 cases of mpox, of which 16,309 confirmed, and 1,288 deaths with case fatality rate (CFR: 1.8%) have been reported from 20 African Union (AU) Member States (MS), 3 from Asia, 7 from Europe and 2 from Canada USA.
- Out of Africa continent, 12 confirmed travel associated cases have been reported from **8 (eight)** countries as
  - **Three** cases from Asia {(Pakistan (1), Thailand (1), and India, (1)}.
  - **Seven** cases from Europe {(Sweden (1), Germany (1) and United Kingdom (5}.
  - **One** case from North America (Canada)
  - **One** case from USA

Table: 1 Global distribution of Mpox as of January 3, 2025

No	Region	Affected Countries (MS)	Suspected Cases	Confirmed Cases	Deaths	CFR
1	**Africa**	20	72,506	16,309	**1,288**	1.8%
2	**Asia**	3	0	3	0	0%
3	**Europe**	3	0	7	0	0%
4	**America**	2	0	2	0	0%
5	**Middle East**	0	0	0	0	0%
6	**Oceania & Antarctica**	0	0	0	0	0%
Total		**28**	**72,506**	**16,321**	**1,288**	1.8%

Trends of Mpox in Africa from 2022 to 2024/5

- The Mpox cases, deaths and geographical spread has been consistently increasing for the last three consecutive years (2022-2024).
- As it is shown in figure: 1, the number of suspected mpox cases were 8,376 in 2022, 14,954 in 2023 and 72,506 in 2024 (as of January 3,2025) in Africa member state.
- The yearly trend shows that, the number of mpox cases increased by 79% from 2022 to 2023 and by over 484% from 2023 to 2024.

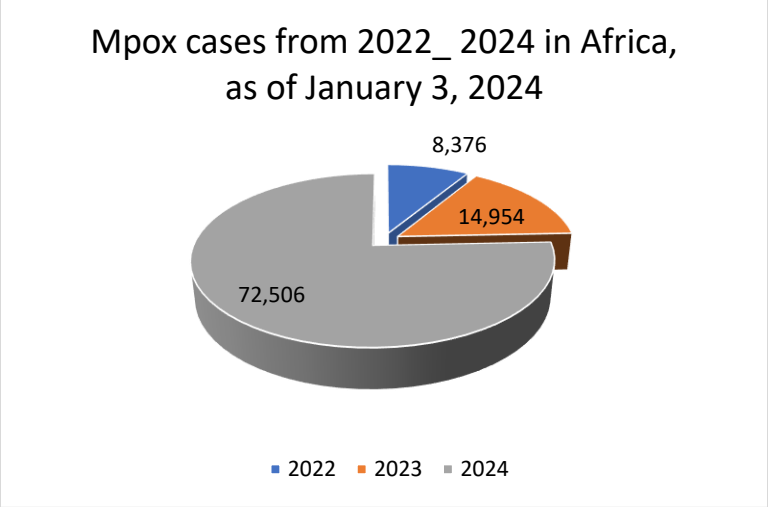


Figure: 1: Distribution of Mpox Case from 2022- 2024, AFRICA Union Member States (AU – MS).

Mpox Situation in Africa Region as of January 3, 2024

- Cumulative cases: **72,506** suspected, **16,309** confirmed cases, and **1,288** deaths with cases fatality rate 1.8% reported from 20 Africa Union member state. Central Africa constitute 85% of all reported cases and 99% of all deaths.
- 13,286 new suspected cases, of which 3,363 confirmed cases and 124 deaths with case fatality rate (CFR: 0.9%) have been reported within reporting period (November 25 _ January 3, 2025)
- In the last six epidemiological weeks, six AU MS have not reported any confirmed case of mpox: Cameroon, Gabon, Mauritius, Morocco, South African, and Zimbabwe.

Monthly distribution of Mpox cases in Africa from January to December 2024

- A number of Cases being decreased from 15% to 8% during reporting period, although the total number of 14,405 confirmed cases, about 15% of cases have been reported during the month of **October.**

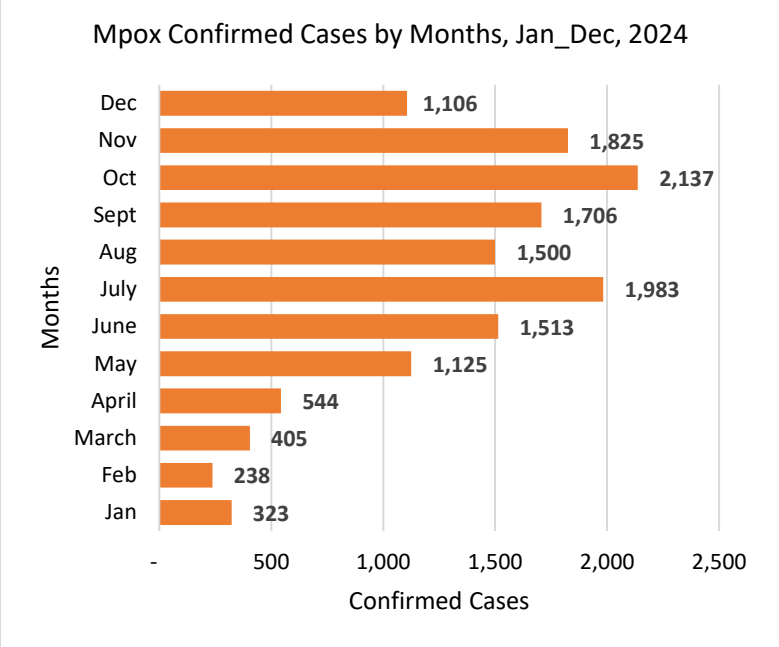


Figure 2: Distribution of confirmed Mpox cases by Months, January 03, 2025

As it is shown in Figure 4 mpox cases in the Democratic Republic of Congo (DRC) are widespread across the country, with a high proportion of cases and deaths.

- Since January 1, 2024 to 3 January 2025, the Democratic Republic of the Congo (DRC) has reported more than 47,000 suspected and 11,503 confirmed cases with more than 1,271 deaths.
- DRC accounts for over 60% of confirmed cases and 99% of all deaths reported followed by Burundi and Uganda with cumulative confirmed cases of 2861 and 1353 cases respectively.

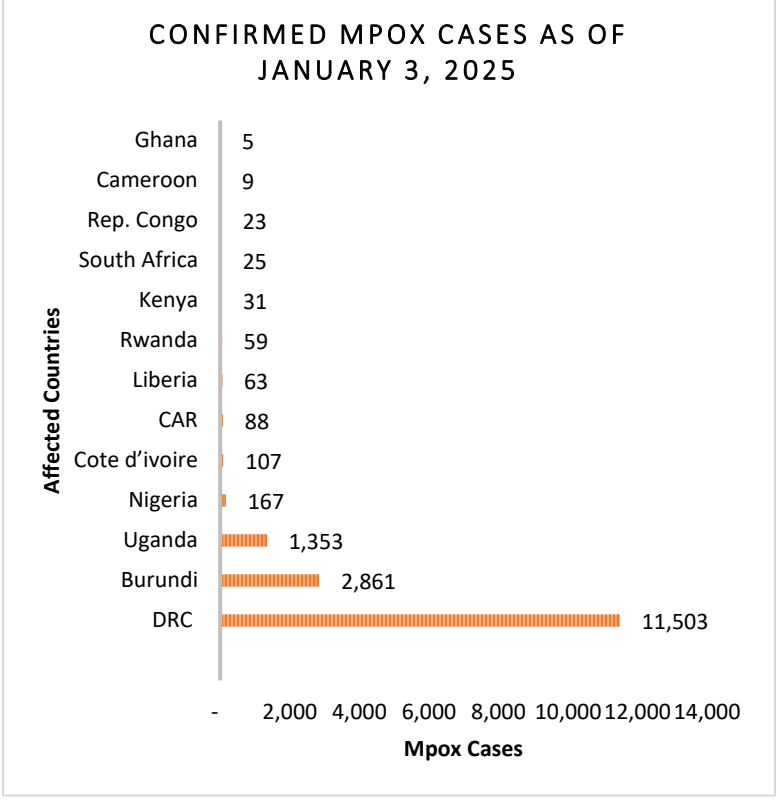


Figure 3: Confirmed Mpox cases by country, as of January 3, 2025

Mpox cases and Deaths in LEARN Project countries, as of January 3, 2025

- From January 1, 2024 to January 3, 2025
- Cumulative confirmed cases 11,679 and 1,273 deaths, with case fatality rate of 11% (*calculated deaths from **confirmed cases)*** have been reported from **three** LEARN project countries (DRC, Cameroon and Nigeria).
- During the reporting month, 1,755 confirmed cases and 120 deaths with case fatality rate of 7% have been reported from the **three** LEARN cohort countries (DRC, Cameroon and Nigeria).
- No case of mpox reported from Mali, Somalia and South Sudan.
- See the previous month report for more information on: (**https://africahumanitarian.org/resources/**)

Table 2: Mpox cases & Deaths in LEARN Project Countries, October 27 to January 3, 2025

List of Countries	Confirmed Cases	Deaths
DRC	1,598	118
Nigeria	151	0
Cameroon	6	2
Mali	0	0
Somalia	0	0
South Sudan	0	0

2. Cholera outbreak in Africa as of January 3, 2025

- Between January 1, 2024 to January 3, 2025, a total of 253,387 cases (30,583 confirmed; 689 probable; 204,115 suspected) and 3,747 deaths (CFR: 1.59%) of cholera have been reported from 20 Africa Union Member State.
- During reporting period (Nov 27, 24 – Jan 3, 25) a total of 15,572 cholera cases and 240 associated deaths with case fatality rate of 1.5% reported from eight AU member state (Ghana, Malawi, Mozambique, South Sudan, Sudan, Tanzania, Zambia and Zimbabwe)

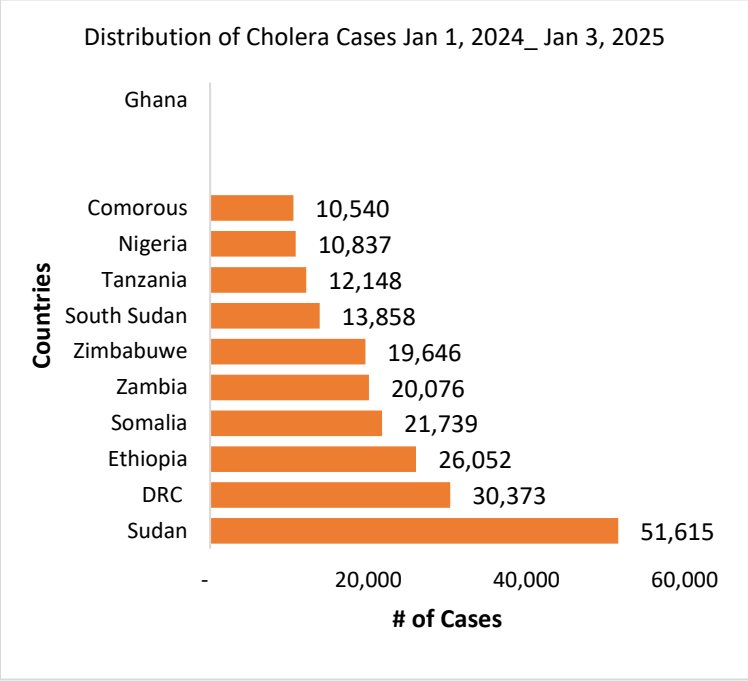


Figure: 4 Cholera cases in Africa as of January 3, 2025

As shown on (Figure 4), Sudan continued as the leading country reporting high number of cholera cases, it accounts 20% of all reported cases. Followed by, DRC, Ethiopia, Somalia and Zambia ranked 2nd to 5th, representing 12%, 10%, 10%, 9%, and 8% of the total cases respectively.

- Referring to Africa CDC weekly epidemic intelligence report: 3,747 cholera related deaths reported in Africa in the last 12 months.
- Three countries, which reported the high number of choleras associated deaths, are Sudan (924), Zambia (612, and DRC (415)

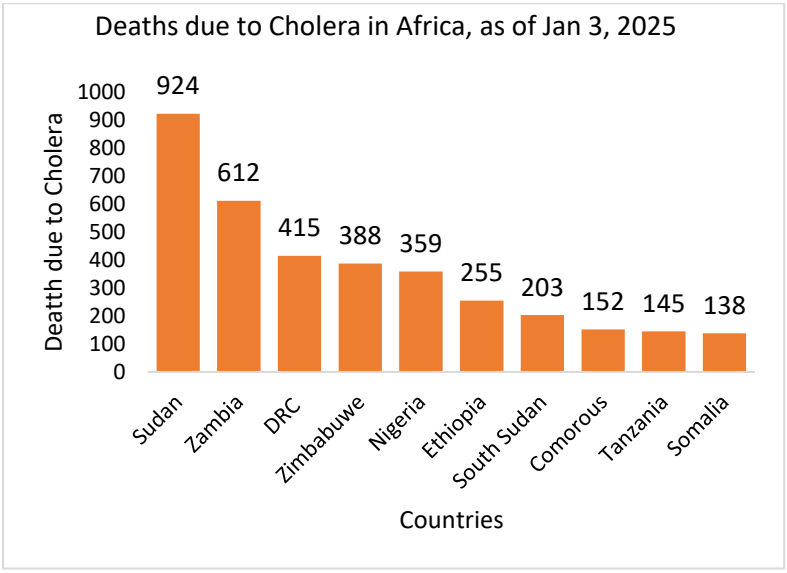


Figure: 5 Cholera Deaths in Africa as of January 3,2025

Cholera Cases and Deaths in LEARN Project Countries As of January 3,2025

- Between January 1, 2024 to January 3, 2025, a total of 114,851 cholera cases and 1,835 deaths with case fatality rate of 2% have been reported from five of the six *LEARN* cohort countries.
- Of reported cases and deaths, DRC reported (30,373 cases, and 415 deaths), followed by, Somalia reported (21,737 cases and 138 deaths), South Sudan reported 13,858 cases and 203 deaths, Nigeria reported (10,837 cases and 359 deaths) and Cameroon reported (287 cases and no deaths) respectively
- There was no cases and deaths reported from Mali for the last 12 months.

3. Measles Outbreak in Africa, as of January 3,2025

- The outbreaks of measles continued as a major public health problem in many developing countries, particularly in Africa.
- From January 1, 2024 to January 3, 2025, about 260,752 cases (26,432 confirmed; 234,320 suspected) and 3,220 deaths (CFR: 1.23%) of measles have been reported from 30 Africa union Member state.
- In a reporting month, about 11,425 new measles cases and 128 deaths with case fatality rate (CFR 1%) have been reported from 29 Africa Union Member state while over 1,583 measles cases and 61 associated deaths with its case fatality rate (4%) have been reported from all six LEARN cohort countries (Cohort I, II).

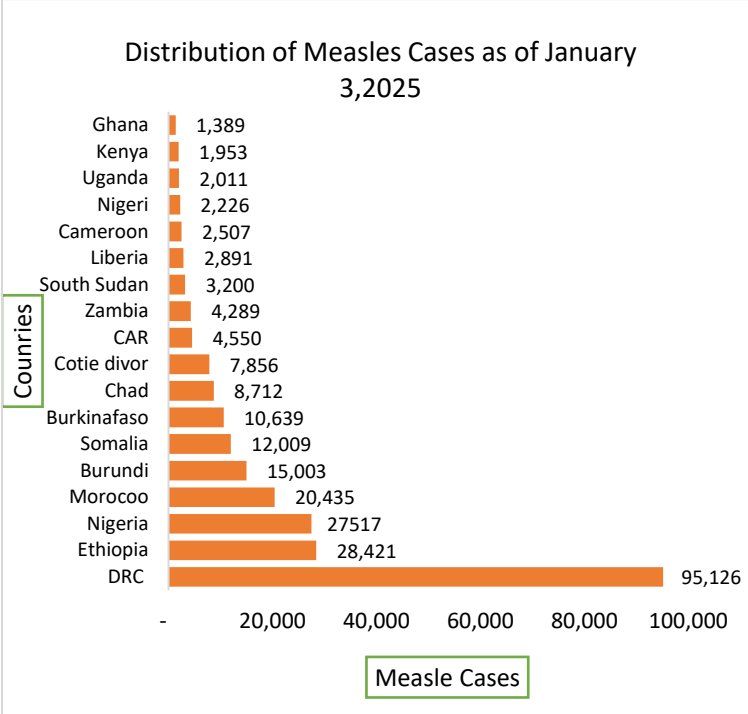


Figure. 6: Measles cases in Africa January 3, 2025

- Among 260,752 cases reported, DRC accounts over 37% (n= 95,126) of all cases followed by Ethiopia, Nigeria, Morocco, Burundi, and Somalia.
- Among the deaths reported, DRC constitute over 61% of cases and while Ethiopia, Côte d'Ivoire, Burundi and Morocco represent 7%, 6% 5%, and 3% of all deaths respectively.

Measles Cases and Deaths in LEARN Project Countries as of January 3, 2025

A total of 141,040 cases and 2,401 associated deaths with case fatality rate of (2%) reported from all six LEARN cohort countries (Cohort I and II).

- Of reported cases and deaths in the continent, LEARN countries constitute about 54% of all cases and 75% of all deaths as shown in table 4 below.
- Among measles, cases and deaths reported within LEARN Project countries, DRC has taken the leading position, reporting over 67% of cases and 91% of deaths of the whole cohort.

Table: 3 Measles Cases in LEARN project countries, as of January 3, 2025

List of Countries	Measles Cases	Deaths due to Measles
DRC	95,126	2,178
Nigeria	27,517	73
Somalia	12,009	40
Cameroon	2,507	69
South Sudan	3,200	41
Mali	681	0
Total	**141,040**	**2,401**

4. Dengue Fever in Africa, as of January 3, 2025

- From January 1, 2024 _ January 03, 2025, a total of 176,816 cases and 136 deaths (CFR: 0.08%) reported from 15 Africa union member state.
- During reporting period, a total of 18,047 case and 6 deaths with case fatality rate of 0.03% reported.
- Over 58% of cases were reported from Burkina Faso, while, Cabe Verd, Mauritius, and Mali reported 25%, 5%, and 3% of all cases respectively.
- Among LEARN Cohort countries, Mali reported over 10,098 dengue fever cases and 14 associated deaths with cases fatality rate of (0.11%).
- As of January 3, 2025, there were no cases and deaths due to Dengue fever reported from DRC, Nigeria, South Sudan and Somalia

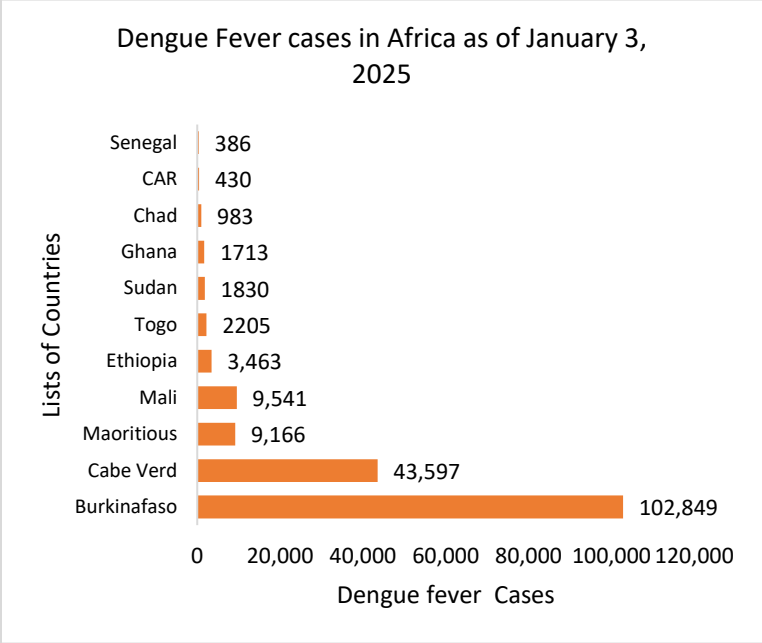


Figure 7: Distribution of Dengue cases as of January 3, 2025

5. Diphtheria cases and deaths in Africa as of January 3, 2025

- From January 1, 2024 _ January 03, 2025, 23,157 cases (11 ,202 confirmed; 11 ,955 suspected) and 599 deaths (CFR: 5.35%) of diphtheria have been reported from six Africa union member state (Chad (2,625 cases; 78 deaths), Gabon (13; 0), Guinea (2,869; 17), Mauritania (40; 3), Niger (746; 29), and Nigeria (1 6,864; 472)
- During reporting period, 52, 117 new cases and 11 new deaths of diphtheria were reported from Nigeria.

6. Polio virus (vaccine-derived) in Africa

- January 1, 2024 _ January 03, 2025, a total of 10 confirmed cases and no deaths of circulating vaccine-derived poliovirus type 1 (cVDPV1) have been reported from DRC (9 cases) and Mozambique (1). Additionally, 186 confirmed cases and no deaths of circulating vaccine-derived poliovirus type 2 (cVDPV2) have been reported from 14 Africa union member state:

Angola (7 cases), Benin (1), Chad (22), DRC (10), Ethiopia (20), Guinea (5), Kenya (1), Liberia (1), Niger (15), Nigeria (90), Senegal (1), Somalia.

References

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3. Africa CDC: Mpox Dashboard: https://dashboards.africacdc.org/
4. AHA Epidemiological Bulletins: https://africahumanitarian.o rg/resources/

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