Africa Humanitarian Action

EPIDEMIOLOGY BULLETIN

OCTOBER 27_ NOVEMBER 25, 2024

Hazards
Mpox
Marburg virus Outbreak in Rwanda, as of November 25, 2024
Cholera outbreak in Africa as of November 25, 2024
Measles Outbreak in Africa, as of November 25, 2024
Dengue Fever in Africa, as of November 25, 2024
Diphtheria in Africa, November 25, 2024
Yellow Fever Cases Deaths as of November 25, 2024

AHA Epidemiological Bulletin

Reporting period: October 27_ November 25, 2024

1. MPox

Global Mpox Situation Jan to November 25, 2024

- Between epidemiological weeks 1 and 46, a total of 59,220 cases of mpox, of which 12,946 confirmed, and 1,164 deaths with case fatality rate (CFR: 2%) have been reported from 20 African Union (AU) Member States (MS), 5 from Asia, 3 from Europe and one from America
- Out of Africa continent, about **9 (nine)** confirmed mpox cases have been reported.
    - **Five** cases from **Asia** {(Pakistan (2), Thailand (1), India, (1) and Philippines (1)}.
    - **Three** cases from Europe {(Sweden (1), Germany (1) and United Kingdom (1)}.
    - **One** case from North America (Canada)
- Clade 1b cases detected in **Europe**: Sweden, Germany and UK.

No	Region	Affected Countries (MS)	Suspected Cases	Confirmed Cases	Deaths	CFR
1	Africa	20	59,220	12,938	**1,164**	2%
2	Asia	5	0	4	0	0%
3	Europe	3	0	3	0	0%
4	America	1	0	1	0	0%
5	Middle East	0	0	0	0	0%
6	Oceania & Antarctica	0	0	0	0	0%
Total		**29**	**59,220**	**12,946**	**1,164**	2%

Table: 1 Global distribution of Mpox as of November 25, 2024

Situation of Mpox in Africa from 2022 to 2024

- 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 59,220 in 2024 (as of November 25) in Africa member state.
- The yearly trend shows that, the number of mpox cases increased by 79% from 2022 to 2023 and by over 677% from 2023 to 2024.

Mpox Cases loads from 2022_ 2024,Africa Member State, November 25,

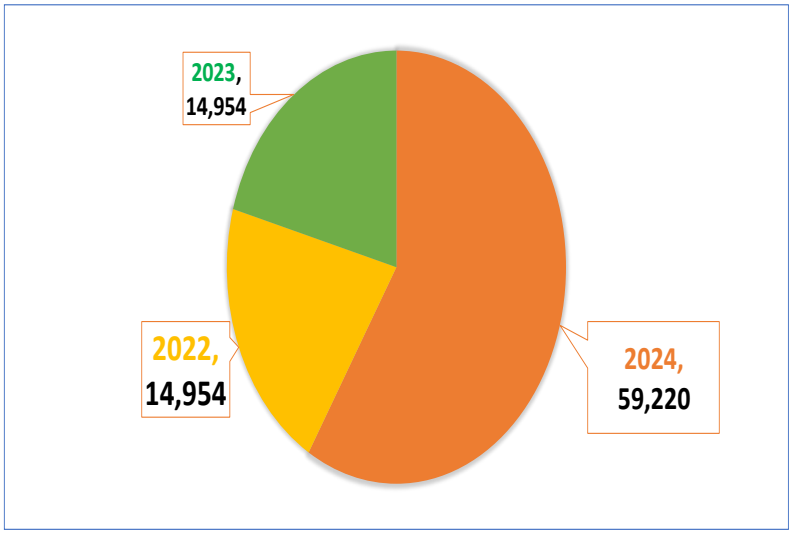


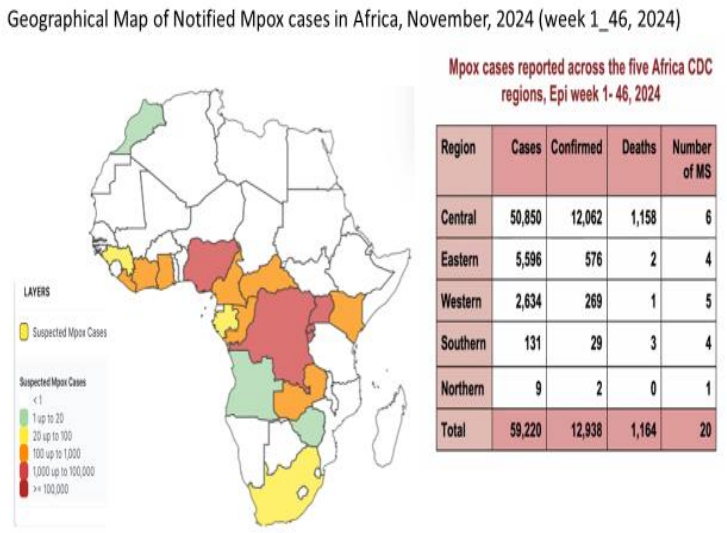
Figure: 1: Distribution of Mpox Case from 2022- 2024, AFRICA Union Member States (AU – MS).

Mpox Situation in Africa Region as of November 25, 2024

Cumulative cases: 59,220 suspected, 12,937 confirmed and 1,164 deaths with cases fatality rate 2% reported from 20 Africa Union member state. Central Africa constitute 93.2% of all reported cases and 99.5% of all deaths.

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Mpox cases reported across the five Africa CDC regions, Epi week 1- 46, 2024

Region	Cases	Confirmed	Deaths	Number of MS
Central	50,850	12,062	1,158	6
Eastern	5,596	576	2	4
Western	2,634	269	1	5
Southern	131	29	3	4
Northern	9	2	0	1
Total	59,220	12,938	1,164	20

Figure: 2 Distribution of Mpox in Africa Region as of Nov 25, 2024 (Source: Africa CDC Event Dashboar).

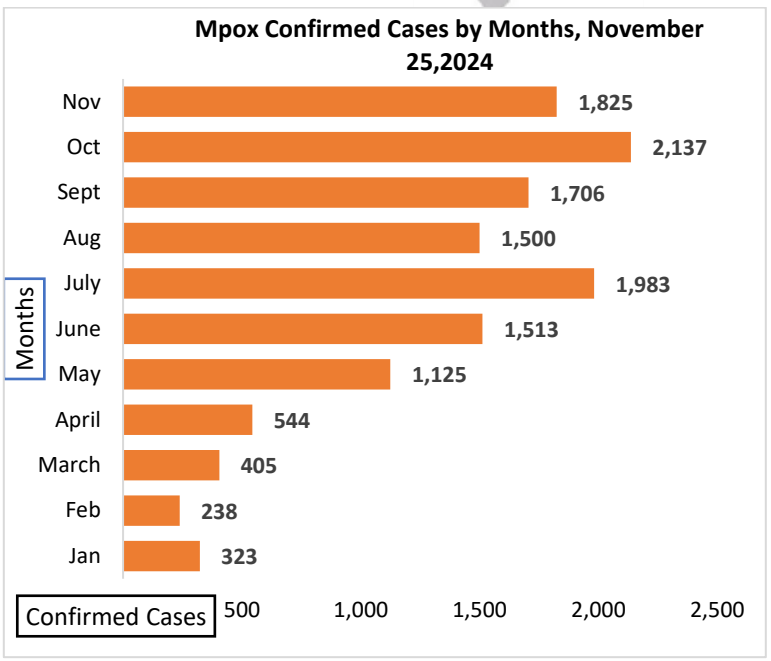


Figure:3 Distribution of confirmed Mpox cases by Months, November 25, 2024

Monthly distribution of Mpox cases in Africa (27 October to 25 November)

- 13,546 new cases, of which 3,648 confirmed were reported.
- 150 deaths with case fatality rate (CFR: 1.11%) have been reported within this period.
- **Burundi, DRC and Uganda** accounted for 95.5% (n=470) of all new confirmed cases.
- Among total confirmed cases, children under 15 years accounted for over 36.8% of all cases while 51.73% of all cases are female.
- Three-member state have moved from active transmission to controlled stage: Gabon, Guinea, and South Africa.
- 14% of the total 12,946 confirmed cases were reported during the month of **November.**

- As it is showed 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, the Democratic Republic of the Congo (DRC) has reported more than 47,000 suspected and 9,905 confirmed cases with more than 1,132 deaths.
- Among these, 3,696 (37.30%) cases were children below 15 years. Burundi follows with reported 2,050 confirmed mpox case of which 879 (42.9%) are children below 15 years.

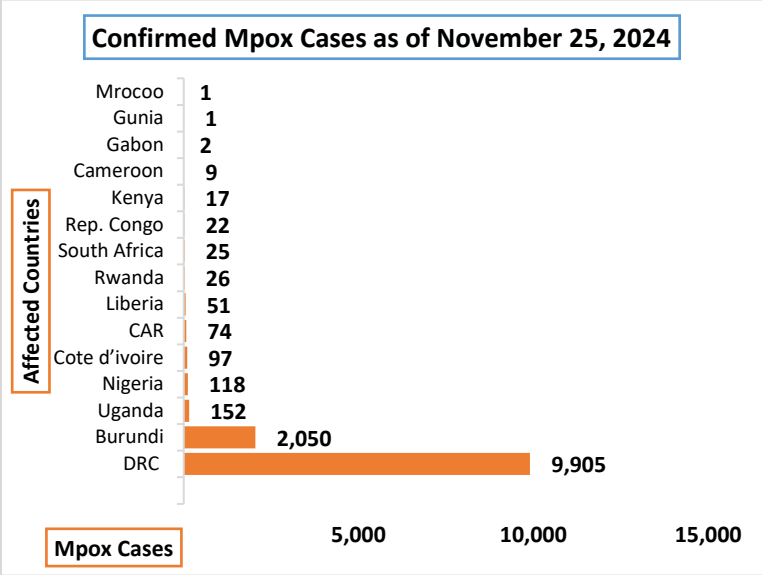


Figure 4: Confirmed Mpox cases by country, as of November 25, 2024

Distribution of Mpox on < 15 years old children as of November 25, 2024

- Children under the age of 15 years are disproportionately affected in 6 Africa countries with reports disaggregated by Age as showed in (Table 2)

Lists of Countries	Mpox Confirmed Case	< 15 years children	% of < 15 years children
DRC	9,905	3,696	37%
Burundi	2,050	879	43%
Nigeria	118	43	36%
Cote d'Ivoire	97	39	40%
CAR	74	39	53%
Liberia	51	20	39%
Congo Rep	22	9	41%
Cameroon	9	1	11%
Guinea	1	1	100%
Zimbabwe	2	1	50%

Table 2: Mpox on < 15 years children in Africa as of Nov 25, 224

Mpox cases and Deaths in LEARN Project countries, as of November 25, 2024

- From January to end of November, 10,032 confirmed cases and 1,134 deaths, with case fatality rate of 11% (*calculated deaths from **confirmed cases)*** have been reported from **three** LEARN project countries (DRC, Cameroon and Nigeria). 99% of all cases and deaths have been reported from Democratic Republic of Congo.
- During the reporting month, 2,409 confirmed and 127 deaths with case fatality rate of 5% have been reported from **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/**)

List of Countries	Confirmed Cases	Deaths
DRC	2,390	127
Nigeria	16	0
Cameroon	3	0
Mali	0	0
Somalia	0	0
South Sudan	0	0

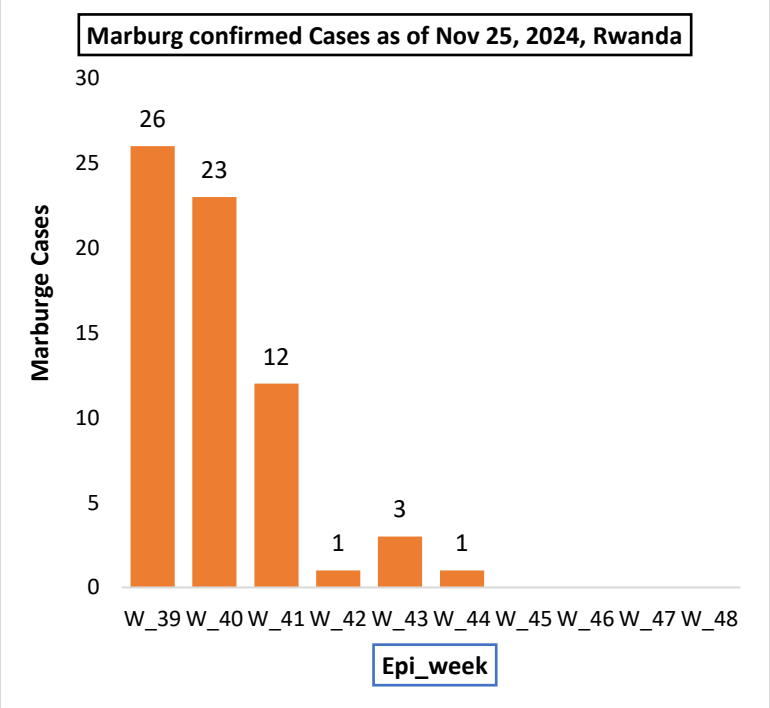
Table 3: Mpox cases & Deaths in LEARN Project Countries, October 27 to November 25, 2024

Public Health Response

- **Intensify surveillance** both Animal and public surveillances: Event based and Indicator based surveillance):
- Alerting and investigation
- Screening at the point of entry
- **5.6 million doses of mpox vaccine** confirmed to 9 African countries hardest hit by mpox surge (*Côte d'Ivoire, Nigeria, DRC, Liberia, CAR, Rwanda, Uganda, South Africa, and Kenya*)
- **Risk communication**, and community engagement activities in the affected areas.
- **Health information management**: through weekly press briefing to the media by Africa CDC.

2. Marburg virus Outbreak in Rwanda, as of November 25, 2024

- Cumulative confirmed cases: 66
- Cumulative confirmed deaths: 15 (CFR: 22.7%
- Male accounts 68% of all cases and 67% of all deaths reported.
- More affected age group: 20-39 (n= 50) of all reported cases.
- 80% of health care workers have been affected by outbreak.
- About 1,710 doses Vaccines Delivered for the high-risk group
- Seven districts out of 37 of the country affected by a virus
- Ten deaths out of 15, occurred during 27 Sept – 03 Oct 10, 202
- (first epidemiological week).
- The country has reported no new confirmed cases since 30 October 2024 and no new deaths since 14 October.
- The highest number of confirmed cases (61) were reported in the first three epidemiological weeks (week 39-41) of the outbreak.



- *Figure 5: Weekly distribution of Marburg virus in Rwanda, November 25, 2024*

3. Cholera outbreak in Africa as of November 25, 2024

- Between January to end of November, a total of 196,835 cases (24,747 confirmed; 337 probable; 171,751 suspected) and 3,324 deaths (CFR: 1.7%) of cholera have been reported from 20 Africa Union Member State.

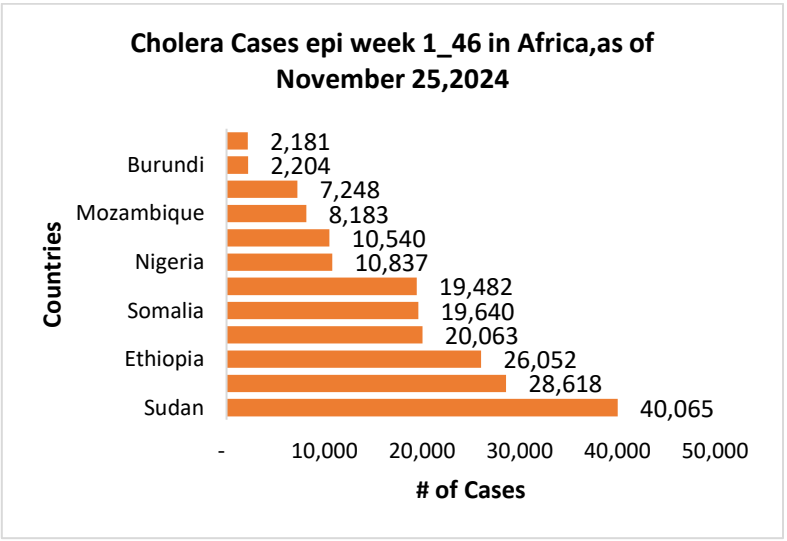


Figure: 6 Cholera cases in Africa as of November 25, 2024

- As shown on fig. 7, Sudan continued as the leading country reporting high number of cholera cases, it accounts 17% of all reported cases. Following Sudan, DRC, Ethiopia, Zambia, Somalia and Zimbabwe ranked 2nd to 5th, representing 15%, 13%, 10%, 10%, and 10% of the total cases respectively.

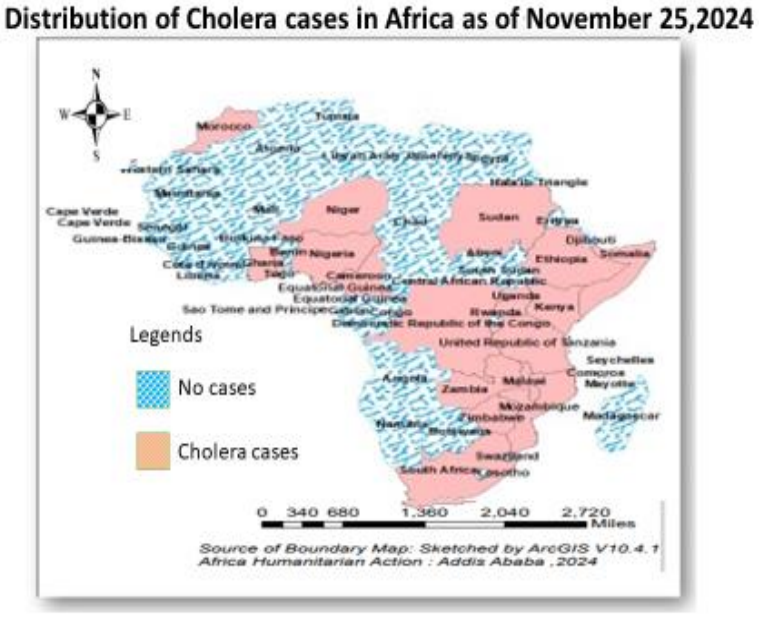


Figure: 7 Spot Map of Cholera cases in Africa as of Nov 25, 2024

Referring to Africa CDC weekly epidemic intelligence report: 3,324 cholera related deaths reported in Africa in the last 11 months. Sudan and Zambia, account for 21% and 20% of all deaths respectively.

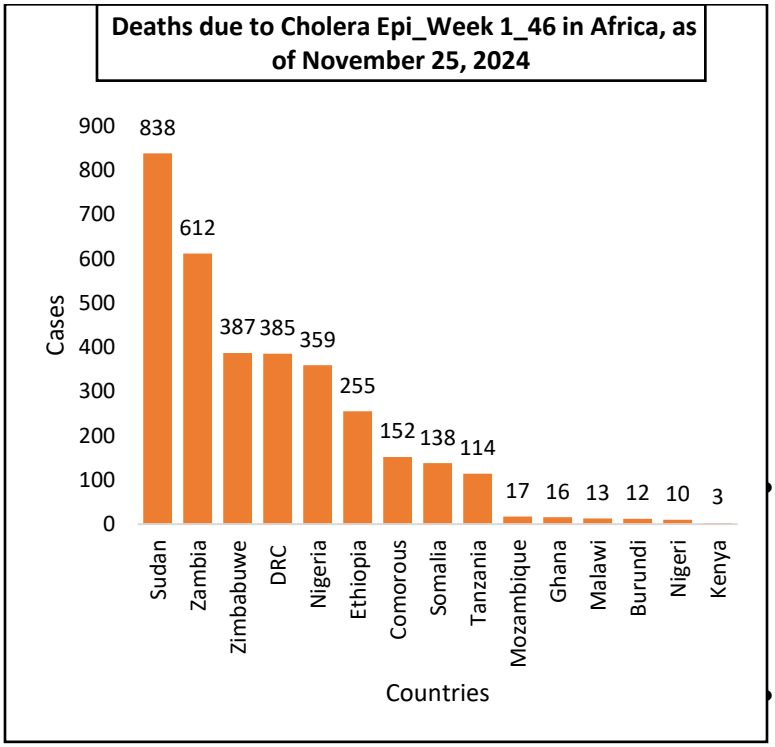


Figure: 8 Cholera Deaths in Africa as of November 25, 2024

Cholera Cases and Deaths in LEARN Project Countries Between January to end of November, 2024

- Between epidemiological weeks 1- 46, a total of 99,447 cholera cases and 1,720 deaths with cases fatality rate of 2% have been reported from four of six LEARN cohort countries.
- Of reported cases and deaths, Sudan reported (40,065cases, and 838 deaths) followed by, DRC reported (28,618 cases, and 385 deaths), Somalia reported (19,640 cases and 138 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 and South Sudan for the last 1_46 epidemiological weeks, 2024.

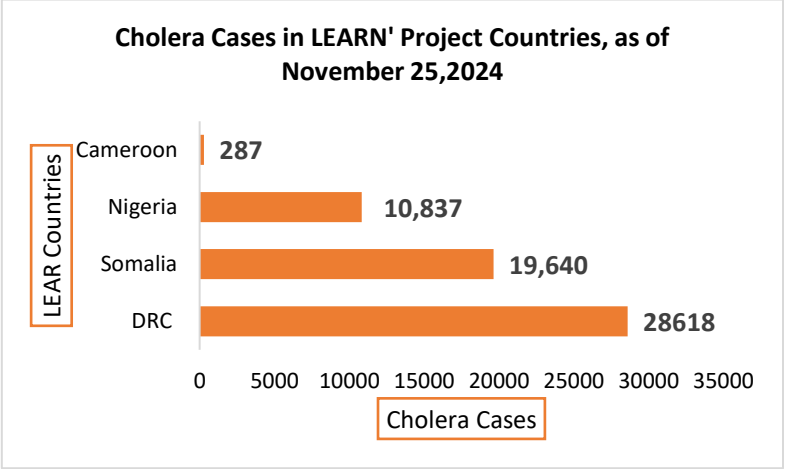


Figure. 9: Cholera cases in LEARN Countries, Nov 25, 2024

Cholera cases in Africa during the reporting period (October 27 to November 25, 2024)

A total of 19,274 cases and 276 associated deaths with cases fatality rate (CFR: 1%) have been reported from 20 Africa Union member state, while 14,601 cases and 76 deaths with cases fatality rate (CFR: 1%) have been reported from four of six LEARN cohort countries.

4. Measles Outbreak in Africa, as of November 25, 2024

- The outbreaks of measles continued as a major public health problem in many developing countries, particularly in Africa.
- From January to end of November, 2024, a total of 232,824 cases (21,362 confirmed; 211, 462 suspected) and 3,136 deaths (CFR: 1.35%) of measles have been reported from 30 Africa union Member state.
- Among 232,824 cases reported, DRC accounts over 37% (n= 85,103) of all cases. Following DRC, countries reported over 10, 00 cases include Ethiopia, Zimbabwe, Burundi, Morocco, Nigeria, Burkina Faso and Somalia.
- Among deaths reported, DRC constitute over 68% while Ethiopia, Côte d'Ivoire, Burundi and Morocco represent 7%, 6% 5%, and 3% of all deaths respectively.

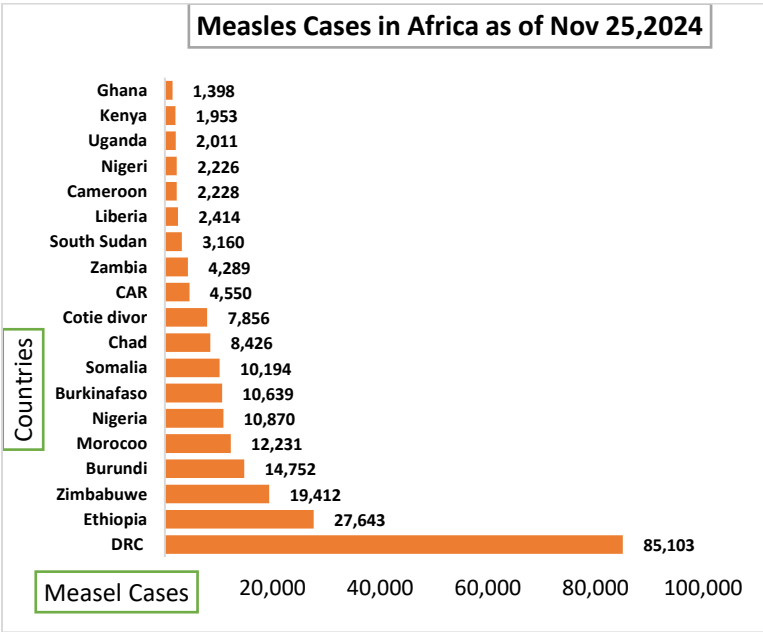


Figure. 10: Measles cases in Africa Epi week 1_46, 2024

Measles cases and Deaths in LEARN Project Countries as of November 25, 2024

- A total of 112,165 cases and 2,226 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 48% of all cases and 71% of all deaths as shown in table 4 below.
- Among measles, cases and deaths reported with in LEARN Project countries, DRC has taken the leading position, reporting over 76% of cases and 92% of deaths of the whole cohort.

Lists of Countries	Measles Cases	Deaths due to Measles
DRC	85,103	2,053
Nigeria	10,870	39
Somalia	10,194	33
Cameroon	2228	60
South Sudan	3160	41
Mali	610	0
Total	**112,165**	**2,226**

Table: 4 Measles Cases in LEARN project countries, as of Nov 25, 2024

Measles situational update (Oct 27 to Nov 25, 2024)

- 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).

5. Dengue Fever in Africa, as of November 25, 2024

- Between epidemiological weeks 1_46, 2024, a total of 158,769 cases and 130 deaths (CFR: 0.08%) reported from 15 Africa union member state.
- Over 60% of cases reported from Burkina Faso, while, Cabe Verd, Mauritius, and Mali reported 22%, 6%, and 5% 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 November 25, 2024, there was no cases and deaths due to Dengue fever reported from DRC, Nigeria, South Sudan and Somalia

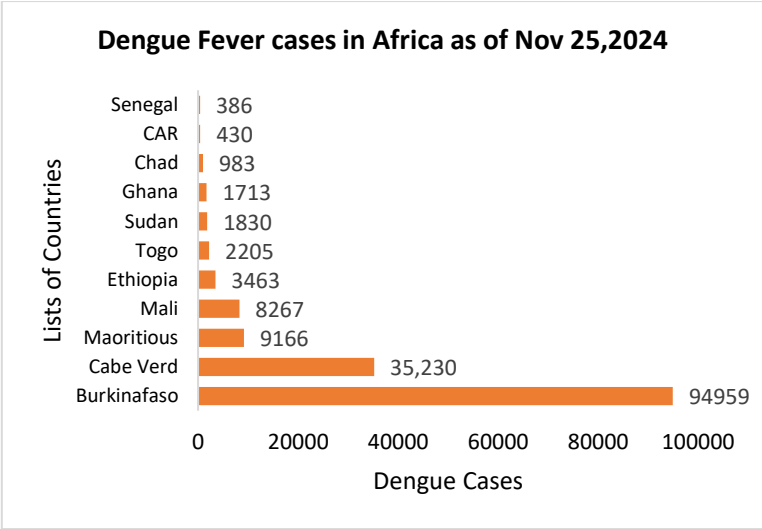


Figure 11: Distribution of Dengue cases as of Nove 25, 2024

6. Diphtheria in Africa, November 25, 2024

- 20,108 cases and 516 deaths of diphtheria with case fatality rate of 5.2% have been reported from six Africa union member state.
- Among cases and deaths due to Diphtheria reported, Nigeria constitutes over 71% of cases and 76% of all reported deaths. Guinea, and Chad accounted 14% and 11% of reported diphtheria cases respectively.

7. Yellow Fever Cases Deaths as of November 25, 2024

- Between epidemiological weeks 1_46, 2024, a total of 1,078 cases and 7 deaths with cases fatality rate of 0.6% Yellow Fever reported from Seven Africa union member state.
- South Sudan and Gabon accounts oved 73% of all reported cases, while, all deaths reported from South Sudan.

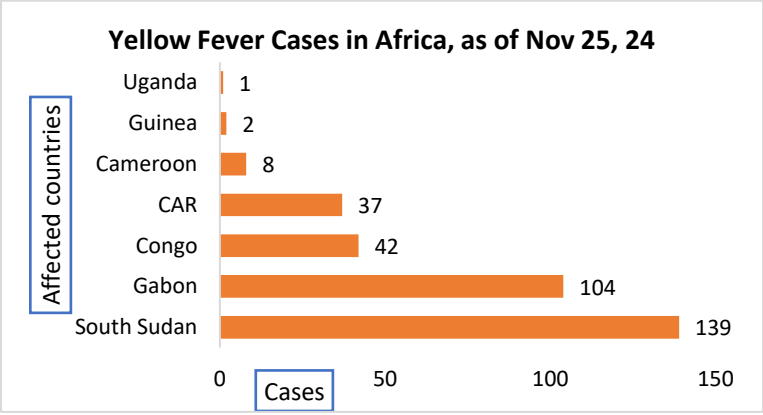


Figure: 12 Distribution of Yellow Fever Cases, as of November 25, 24

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