

Overview of Lassa Fever in Nigeria

From 2020 to Epidemiological Week 22-2025



Lassa
Fever



41,425



6,091



234



1,117



18.3
% CFR



Notes

- Data are based on the available situation reports from **Nigeria Centre for Disease Control and Prevention (NCDC)**.

Key Highlights

- **6091 total cases** in 2020-2025.
- **1117 deaths** in 2020-2025.
- **234 HCWs** in 2020-2025.
- **18% overall CFR** in 2020-2025.

1 Lassa Fever in 2020-2024

Overall Burden of Lassa Fever in Nigeria

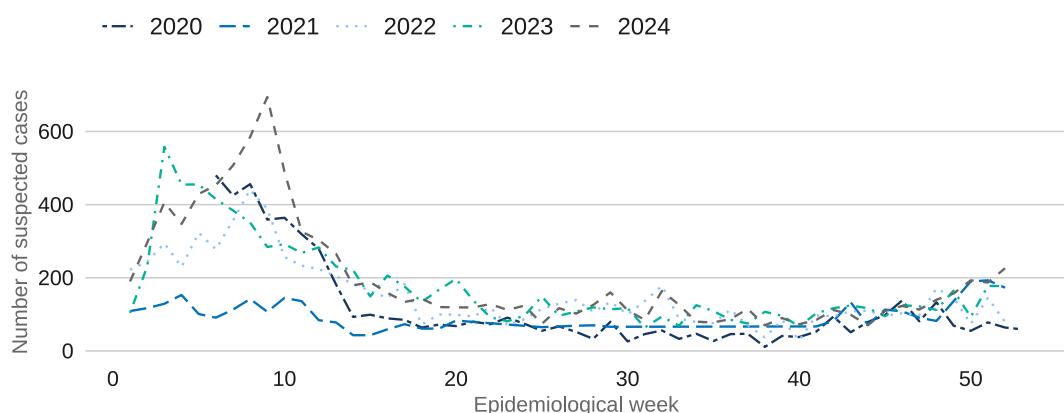


The effect of seasonality on the Lassa fever incidence 2020-2024

Confirmed Cases



Suspected cases

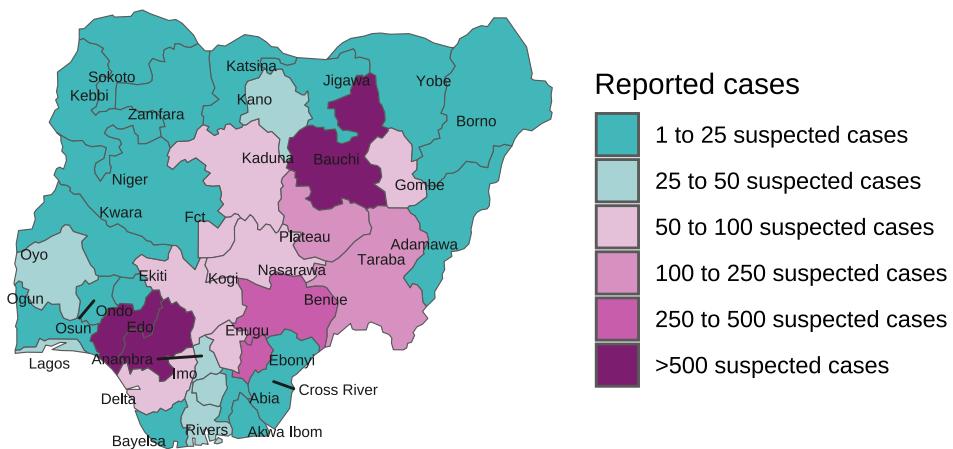




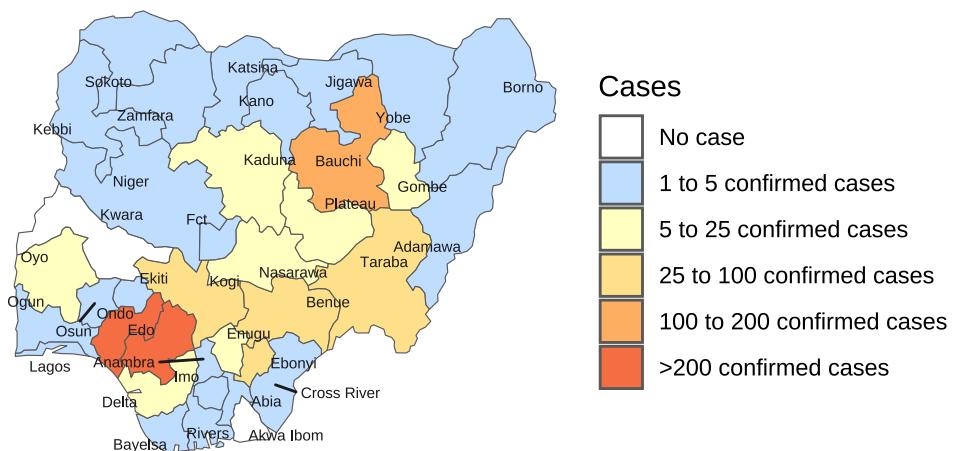
- Strengthening of capacity for lab diagnostics and case management in previous years resulted in greater case detection.
 - Major LF outbreaks reported in since 2018, with **5344 confirmed cases** since 2020.
 - Lassa fever cases in Nigeria by week show a seasonal effect: the number of cases peaks during the **dry season period** (from epi week 47 - week 12).
 - The **seasonal increase** of cases during the dry period may be attributed to an increase of the infected rodent population and/or a seasonal behavioural change in the human population resulting in a higher risk of exposure to infected animals and/or to food/household items contaminated with rodent excreta.
- From January 2018 to December 2024, **75% of Lassa fever confirmed cases** were from **Ondo** (33%), **Edo** (31%) and **Bauchi** (11%).
 - Total suspected cases: **41,425**
 - Total confirmed cases: **6,091**
 - Deaths from Confirmed Cases: **1,117**
 - Case Fatality Ratio: **21%**
 - Number of Health Care Workers: **234**

Lassa Fever Suspected cases, Confirmed cases and CFR, Nigeria 2020-2024

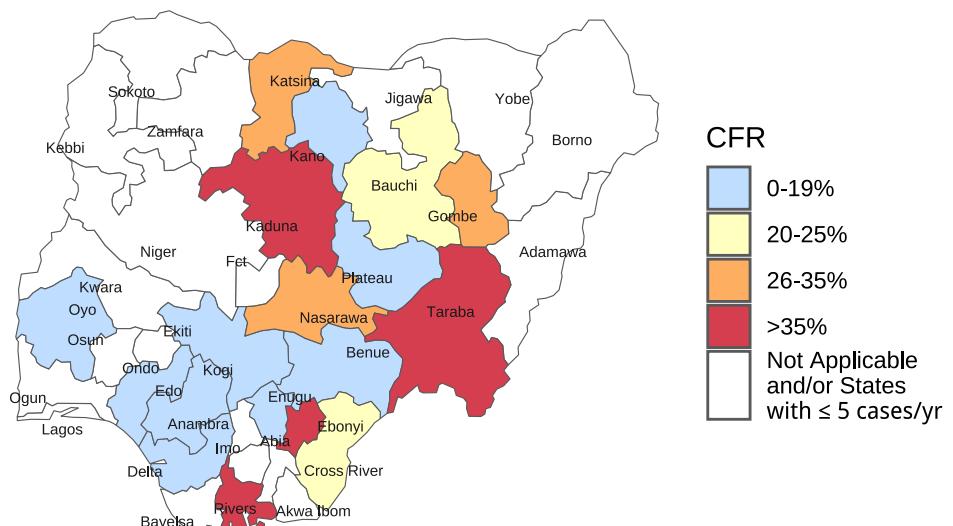
Suspected cases



Confirmed cases



Case Fatality Rate (%)



Suspected cases of Lassa fever 2020-2024



Case Fatality Rate (CFR) among Confirmed Cases of Lassa fever



CFR presented if ≥5 confirmed cases reported.

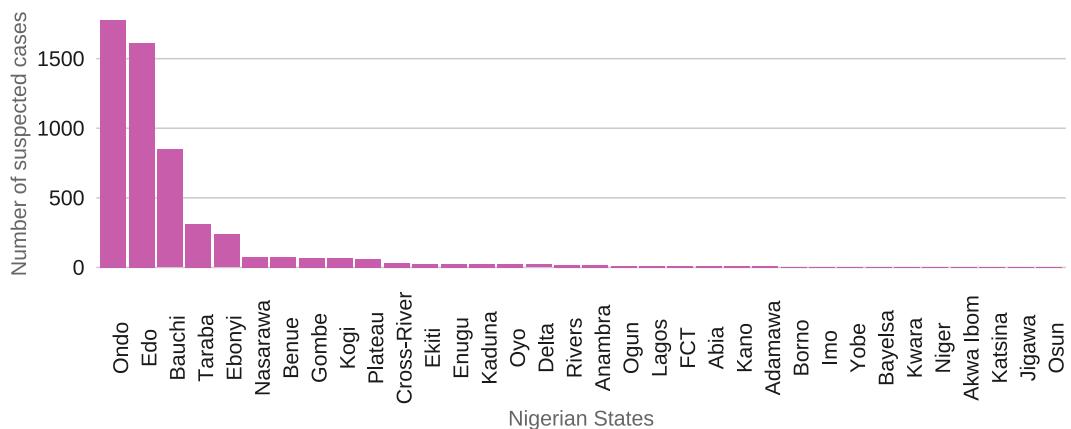
- From 2017-2024, CFR among all lab confirmed cases in Nigeria was **between 16-27% and decreased over time.**
- In 2024, overall **CFR for Nigeria was 16%** and differed greatly by individual State.
- The variation in CFR is likely due to late patient presentation and differences in case management, highlighting the need for improvement.

Lassa Fever Infections among Healthcare Workers (HCW)



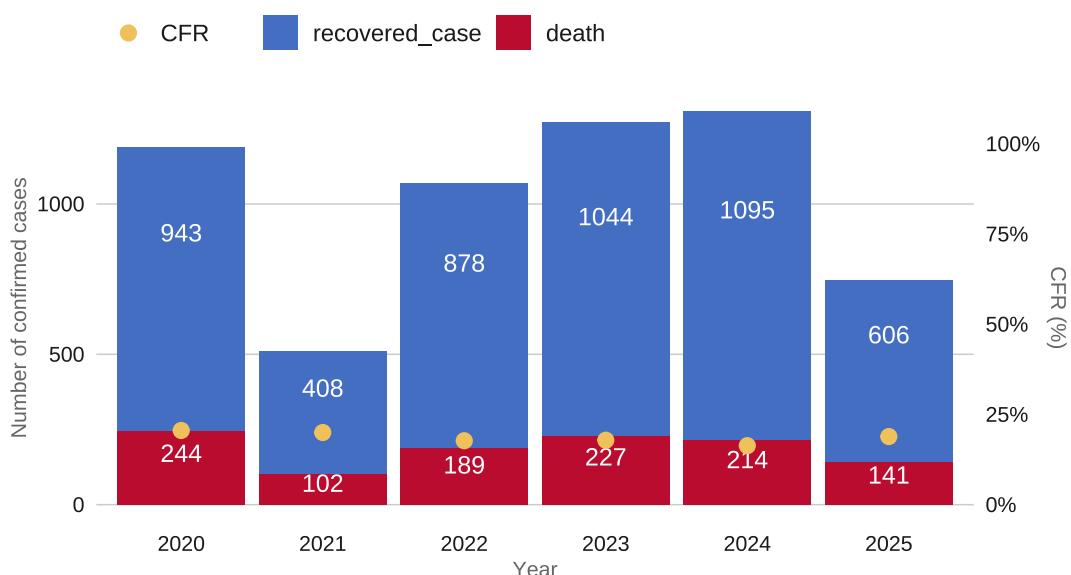
2 Lassa Fever in 2025 - Data from epi-week 1 to epi-week 22

Lassa Fever Suspected cases, Confirmed cases and CFR by State, Nigeria 2025



- In 2025, a total of **5,403** suspected cases were reported from **1** in **Jigawa, Osun** to **1,775** in **Ondo**.

Cumulative Number of Confirmed Cases of Lassa Fever in 2025



- Nigeria has the highest burden of Lassa fever cases in West Africa.
- Strengthening of capacity for lab diagnostics and case management in previous years resulted in greater case detection.
- Major LF outbreaks reported in since 2018, with **5344 confirmed cases since 2020**.

Seasonality of Lassa Fever

Suspected Cases



Confirmed Cases



- In 2025, similar trend as per previous years confirming a seasonal effect on Lassa fever incidence.
- Compared to 2024, **18% decrease** in the cumulative number of **confirmed cases** reported.

States Reporting Confirmed Cases of Lassa Fever in 2025

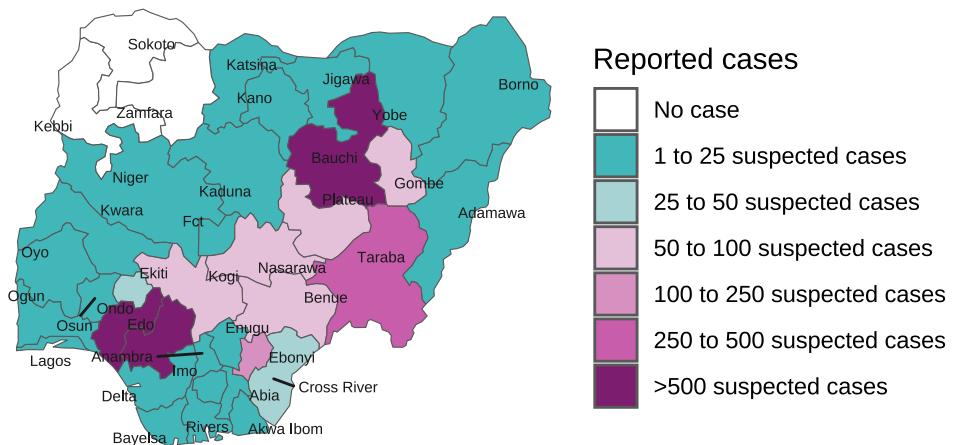
! Important

In 2025, as of epi week 22, **87%** of Lassa Fever cases are from **Ondo** (31%), **Bauchi** (25%), **Edo** (16%), and **Taraba** (16%) States.

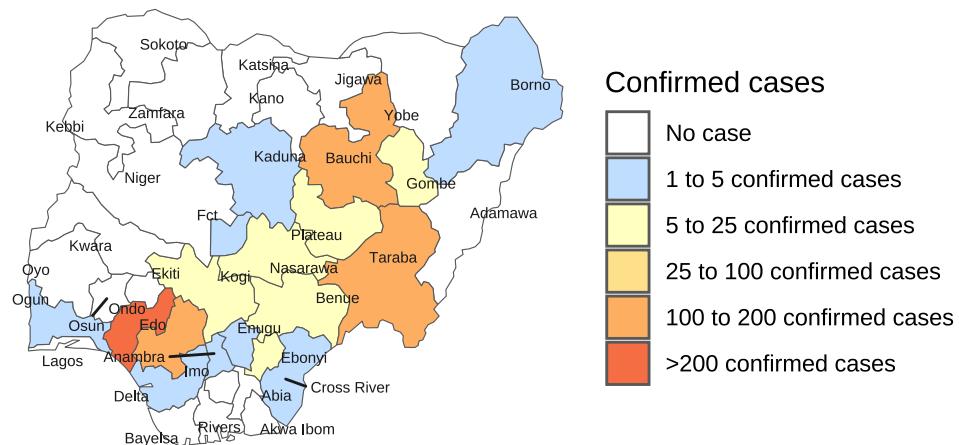
- Total **confirmed cases**: **747**
- Deaths** from Confirmed Cases: **141**
- Case Fatality Ratio**: **19%**
- Number of **Health Care Workers**: **22**

Lassa Fever Suspected cases, Confirmed cases and CFR in 2025

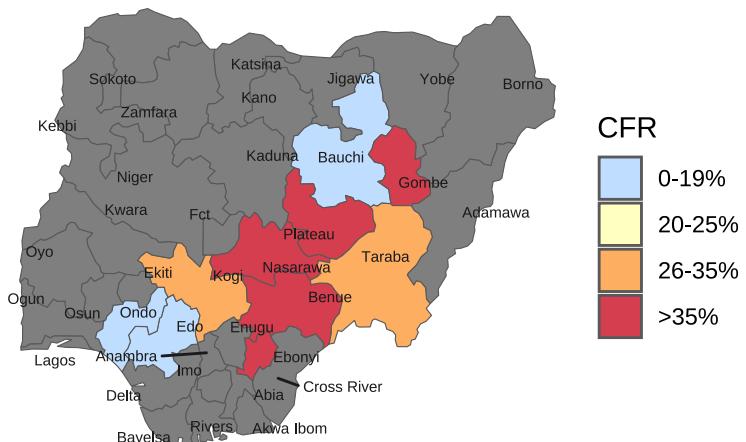
Suspected cases



Confirmed cases



Case Fatality Rate (%)



Case Fatality Rate (CFR) among Confirmed Cases of Lassa fever in 2025



CFR presented if ≥ 5 confirmed cases reported.

- As of epi week 22 2025, **cumulatively 747 cases and 141 deaths (CFR=19%) across 18 States** have been reported.
- At same period 2024, a total of **28 States** reported at least one confirmed cases.
- There is a **18% decrease in the number of suspected cases reported in 2025** compared to 2024.
- There is a **18% decrease in the number of confirmed cases reported in 2025** compared to 2024.
- In 2024, **37 States** had reported at least one suspected case versus **34 States** in 2025 to date.
- In 2024, **28 States** had reported at least one confirmed case versus **18 States** in 2025 to date.

Lassa Fever Infections among Healthcare Workers (HCW) in 2025

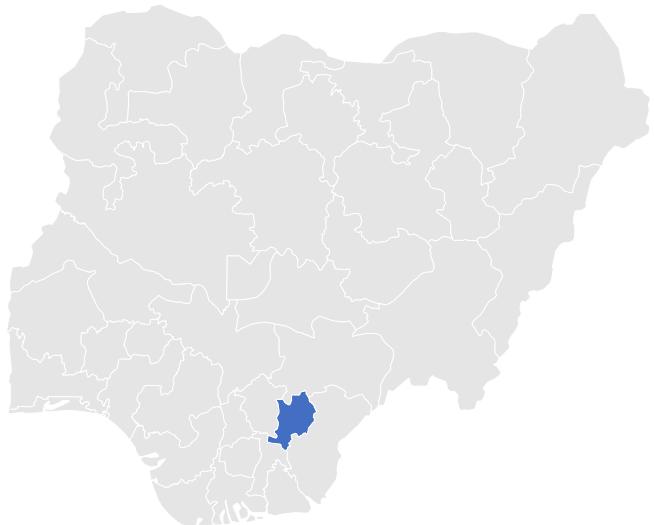


- Top 5 states reporting cases among HCW are Ondo (8), Bauchi (4), Taraba (3), Edo (2), and Gombe (2).**

3 Trends by state at a glance

| location | Suspected cases | Confirmed cases | Deaths | CFR | Trends |
|--------------------|-----------------|-----------------|--------|-----|--|
| Abia | 98 | 6 | 2 | 30 |  |
| Adamawa | 58 | 8 | 1 | 10 |  |
| Akwa Ibom | 26 | 0 | 0 | - |  |
| Anambra | 120 | 12 | 7 | 60 |  |
| Bauchi | 3363 | 624 | 99 | 20 |  |
| Bayelsa | 67 | 4 | 2 | 50 |  |
| Benue | 1525 | 156 | 31 | 20 |  |
| Borno | 55 | 5 | 1 | 20 |  |
| Cross-River | 121 | 14 | 5 | 40 |  |
| Delta | 295 | 29 | 7 | 20 |  |
| Ebonyi | 1261 | 246 | 111 | 50 |  |
| Edo | 9561 | 1251 | 162 | 10 |  |
| Ekiti | 52 | 0 | 0 | - |  |
| Enugu | 273 | 50 | 8 | 20 |  |
| FCT | 218 | 10 | 2 | 20 |  |
| Gombe | 369 | 56 | 21 | 40 |  |
| Imo | 76 | 5 | 5 | 100 |  |
| Jigawa | 76 | 5 | 1 | 20 |  |
| Kaduna | 371 | 36 | 22 | 60 |  |
| Kano | 128 | 11 | 2 | 20 |  |
| Katsina | 79 | 8 | 4 | 50 |  |
| Kebbi | 31 | 6 | 3 | 50 |  |
| Kogi | 450 | 141 | 23 | 20 |  |
| Kwara | 38 | 0 | 0 | - |  |
| Lagos | 116 | 5 | 1 | 20 |  |
| Nasarawa | 377 | 47 | 19 | 40 |  |
| Niger | 29 | 5 | 2 | 40 |  |
| Ogun | 90 | 3 | 2 | 70 |  |
| Ondo | 6729 | 1410 | 196 | 10 |  |
| Osun | 41 | 2 | 0 | 0 |  |
| Oyo | 204 | 27 | 6 | 20 |  |
| Plateau | 374 | 88 | 15 | 20 |  |
| Rivers | 110 | 16 | 6 | 40 |  |
| Sokoto | 30 | 6 | 3 | 50 |  |
| Taraba | 1063 | 414 | 131 | 30 | |
| Yobe | 62 | 1 | 1 | 100 | |
| Zamfara | 24 | 1 | 0 | 0 | |

4 Lassa Fever Situation in Ebonyi

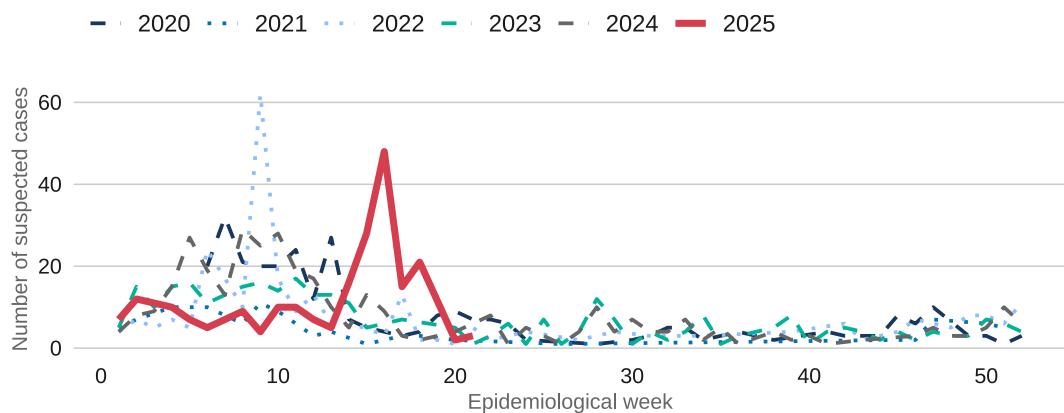


Overview

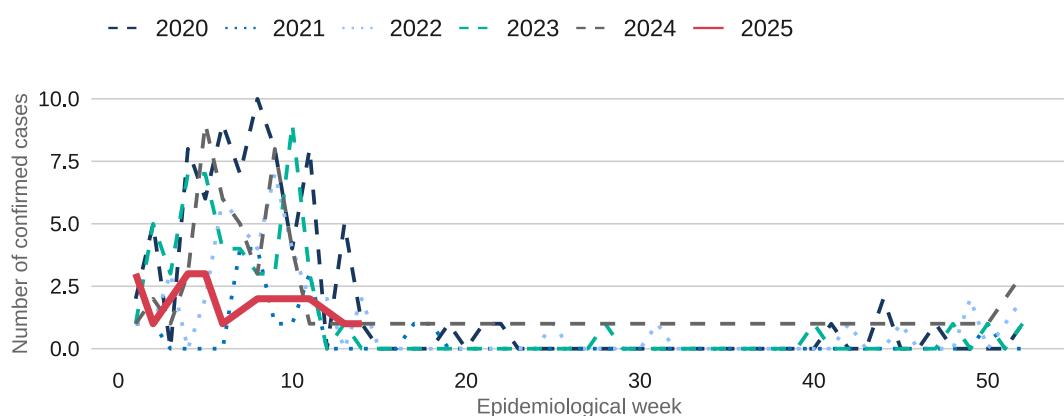
| year | Suspected cases | Confirmed cases | Deaths | CFR | Trends |
|------|-----------------|-----------------|--------|-----|--|
| 2020 | 230 | 76 | 22 | 30 |  |
| 2021 | 88 | 17 | 8 | 50 |  |
| 2022 | 219 | 39 | 18 | 50 |  |
| 2023 | 211 | 50 | 28 | 60 |  |
| 2024 | 276 | 43 | 24 | 60 |  |
| 2025 | 237 | 21 | 11 | 50 |  |

Seasonality of Lassa Fever in Ebonyi

Suspected Cases

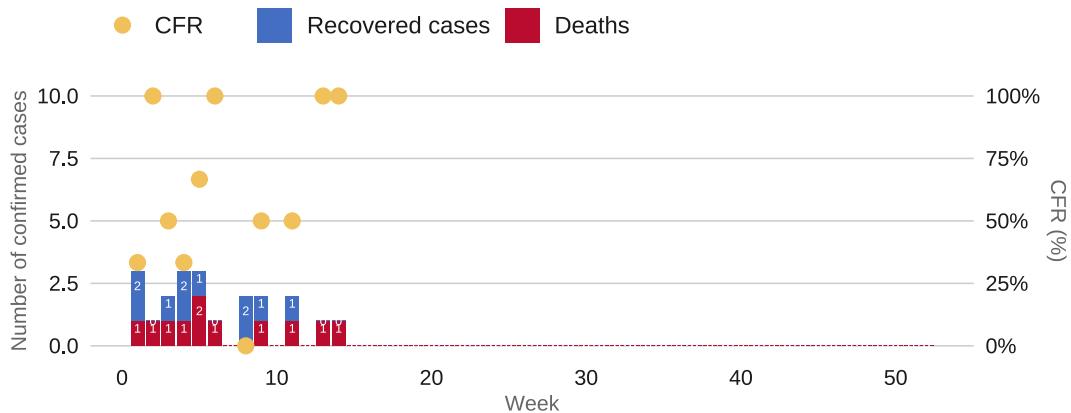


Confirmed Cases



Situation in Ebonyi in 2025

Confirmed Cases in 2025



Suspected Cases in 2025

