

# Overview of Lassa Fever in Nigeria

From 2020 to Epidemiological Week 23-2025



Lassa  
Fever



41,425  
Suspected Cases



6,091  
Confirmed Cases



234  
HCWs



1,117  
Total Deaths



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

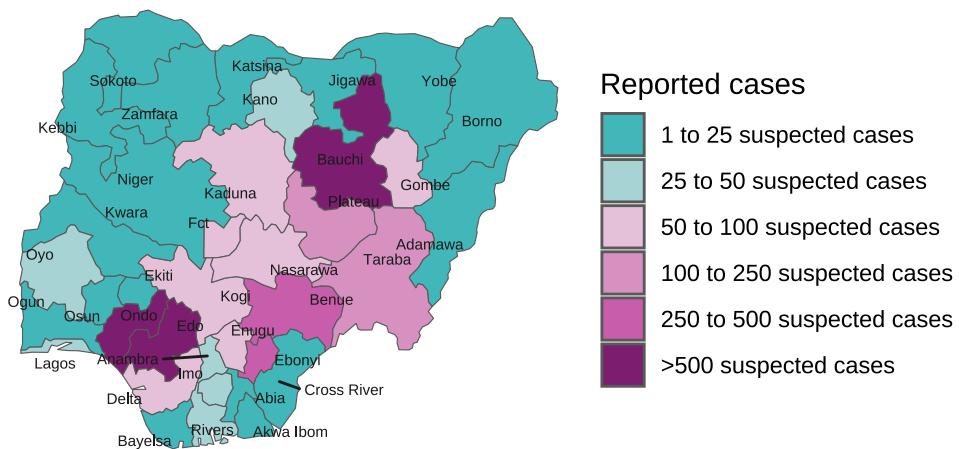




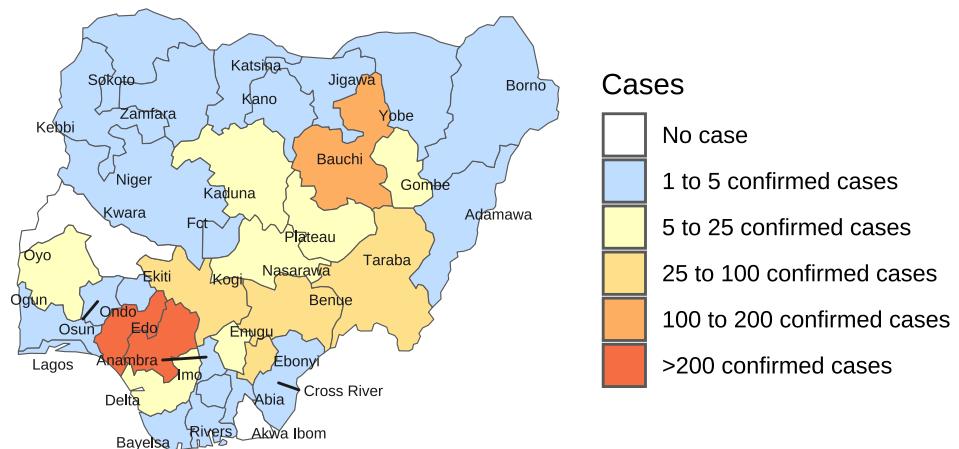
- Strengthening of capacity for lab diagnostics and case management in previous years resulted in greater case detection.
  - Major LF outbreaks reported in since 2018, with **5344 confirmed cases** since 2020.
  - Lassa fever cases in Nigeria by week show a seasonal effect: the number of cases peaks 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

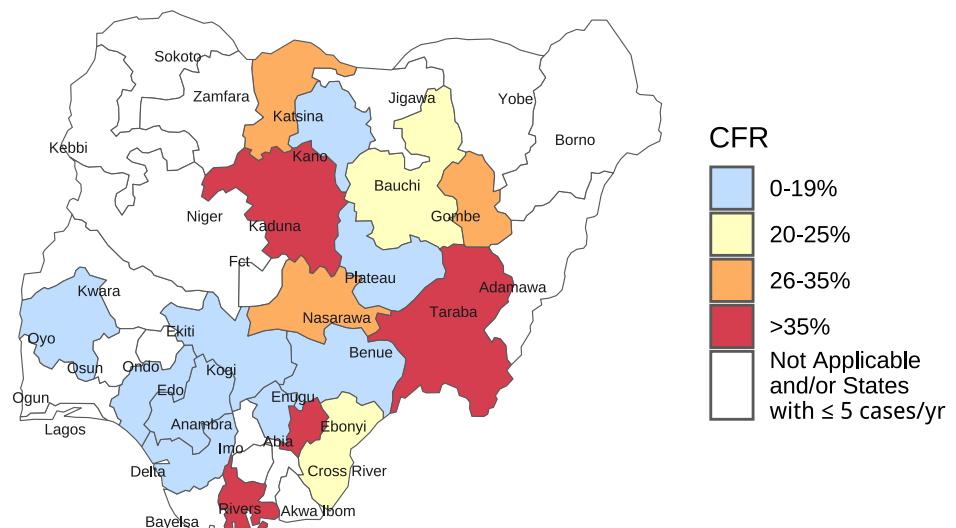
### Suspected cases



### 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

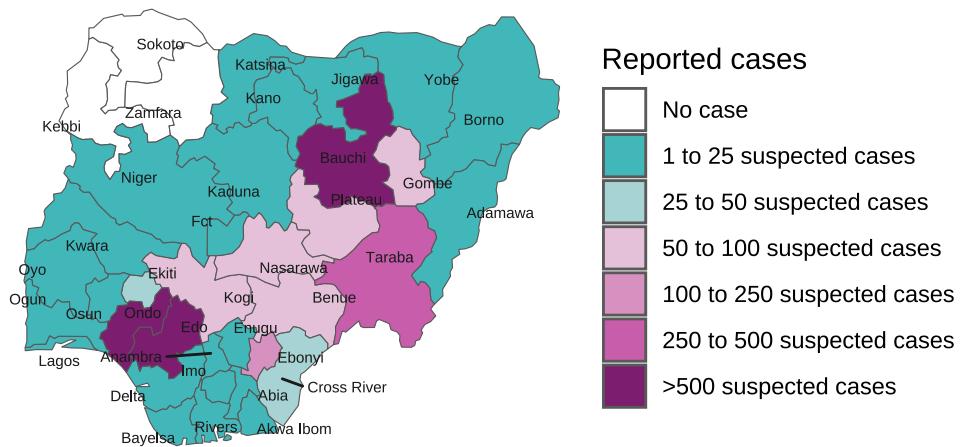
**!** Important

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

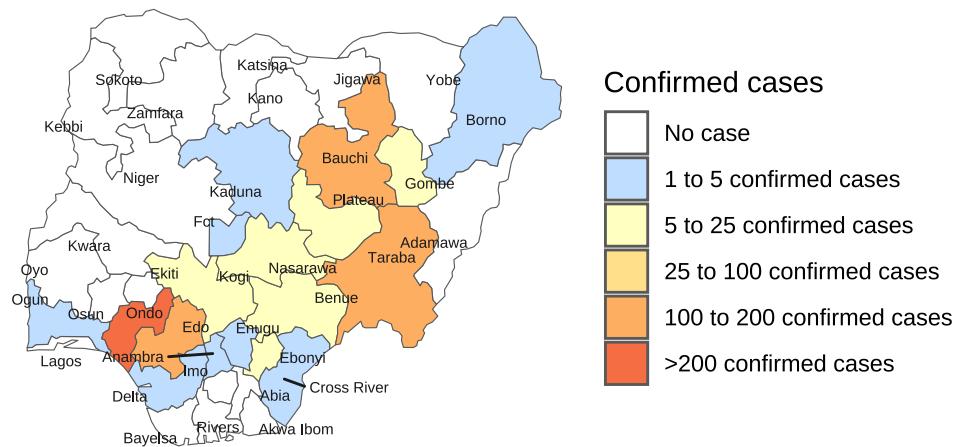
- Total **confirmed cases**: **747**
- Deaths from Confirmed Cases: **141**
- Case Fatality Ratio: **19%**
- Number of **Health Care Workers**: **22**

## Lassa Fever Suspected cases, Confirmed cases and CFR in 2025

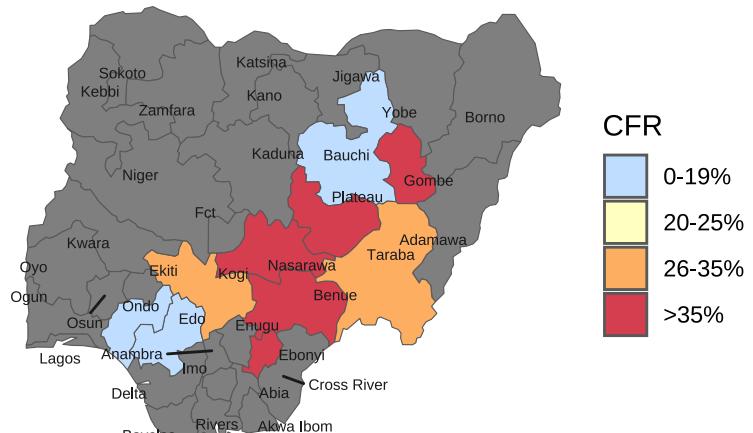
### Suspected cases



### Confirmed cases



### Case Fatality Rate (%)



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



CFR presented if  $\geq 5$  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

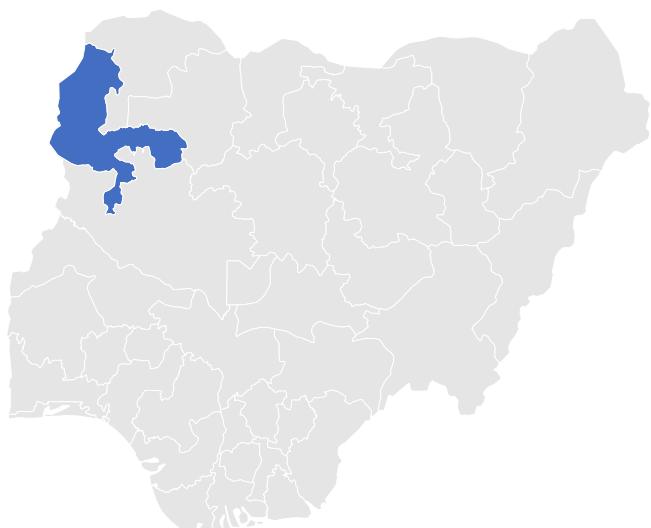


- Top 5 states reporting cases among HCW are Ondo (8), Bauchi (4), Taraba (3), Edo (2), and Gombe (2).**

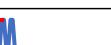
### 3 Trends by state at a glance

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

## 4 Lassa Fever Situation in Kebbi

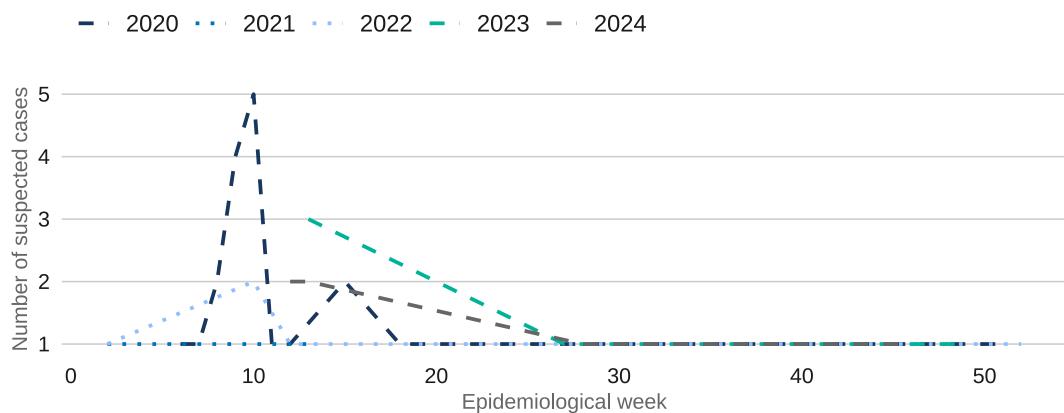


### Overview

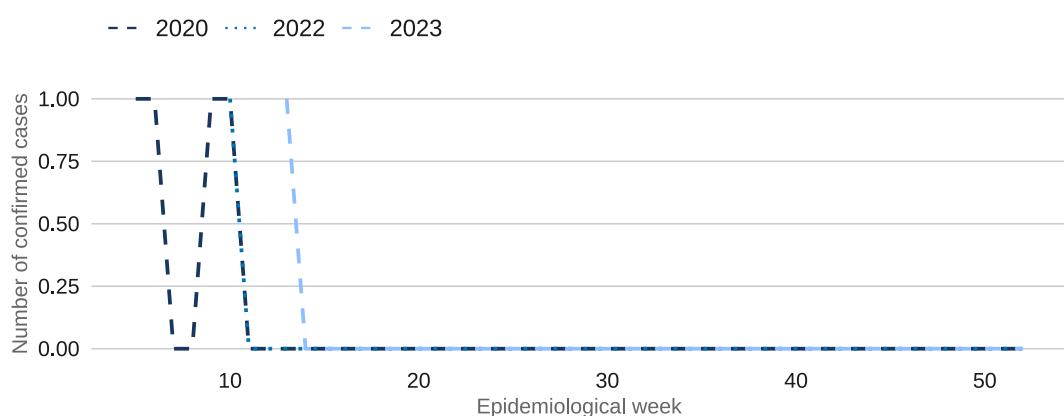
| year | Suspected cases | Confirmed cases | Deaths | CFR | Trends   |
|------|-----------------|-----------------|--------|-----|--|
| 2020 | 18              | 4               | 2      | 50  |  |
| 2021 | 2               | 0               | 0      | -   |  |
| 2022 | 4               | 1               | 0      | 0   |  |
| 2023 | 3               | 1               | 1      | 100 |  |
| 2024 | 4               | 0               | 0      | -   |  |
| 2025 | 0               | 0               | 0      | -   |  |

## Seasonality of Lassa Fever in Kebbi

### Suspected Cases

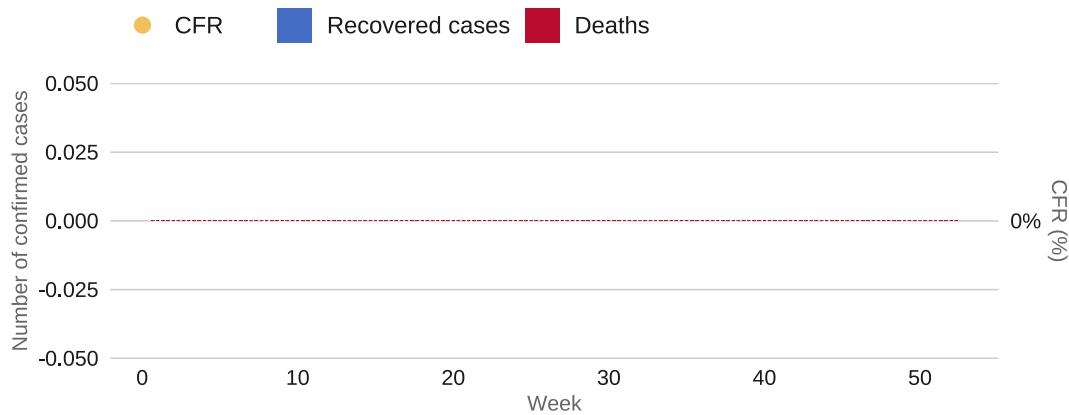


### Confirmed Cases



## Situation in Kebbi in 2025

### Confirmed Cases in 2025



### Suspected Cases in 2025

