

# Overview of Lassa Fever in Nigeria

From 2020 to Epidemiological Week 23-2025



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.

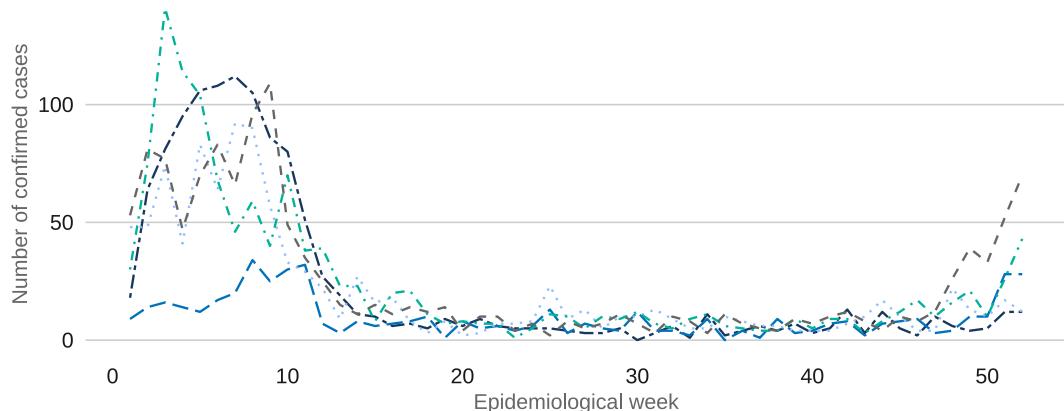
# 1 Lassa Fever in 2020-2024

## Overall Burden of Lassa Fever in Nigeria

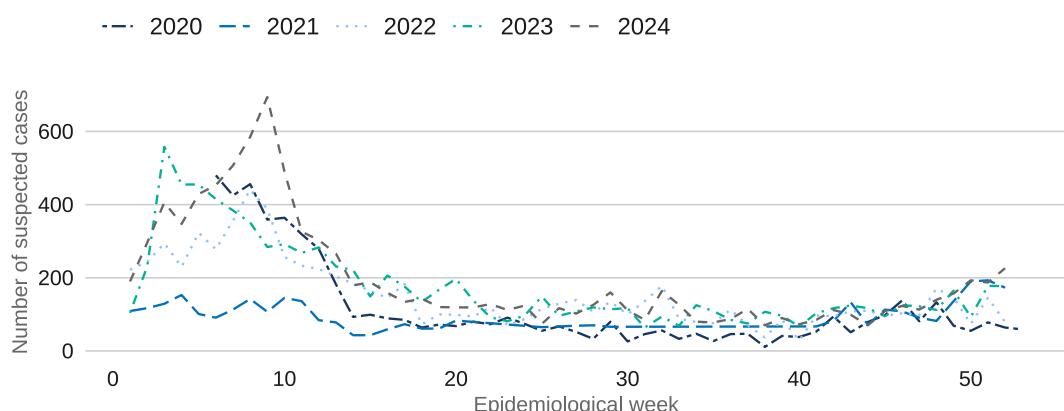


## The effect of seasonality on the Lassa fever incidence 2020-2024

### Confirmed Cases



### Suspected cases

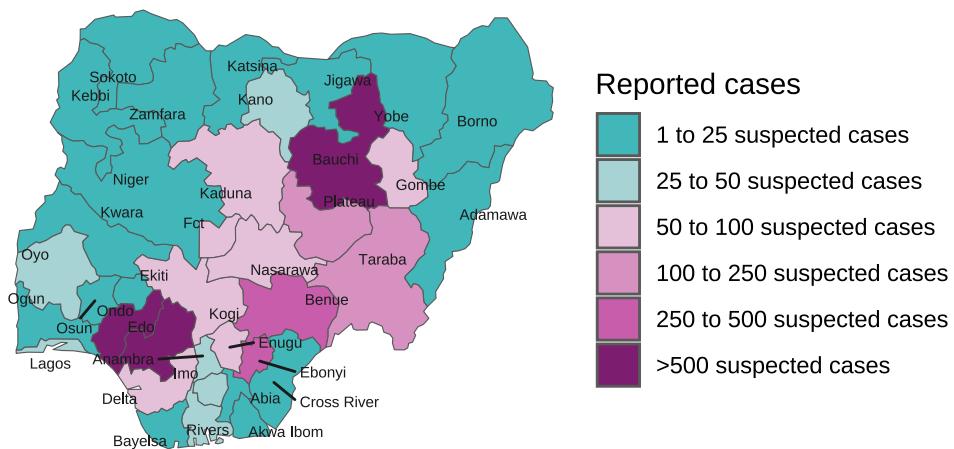




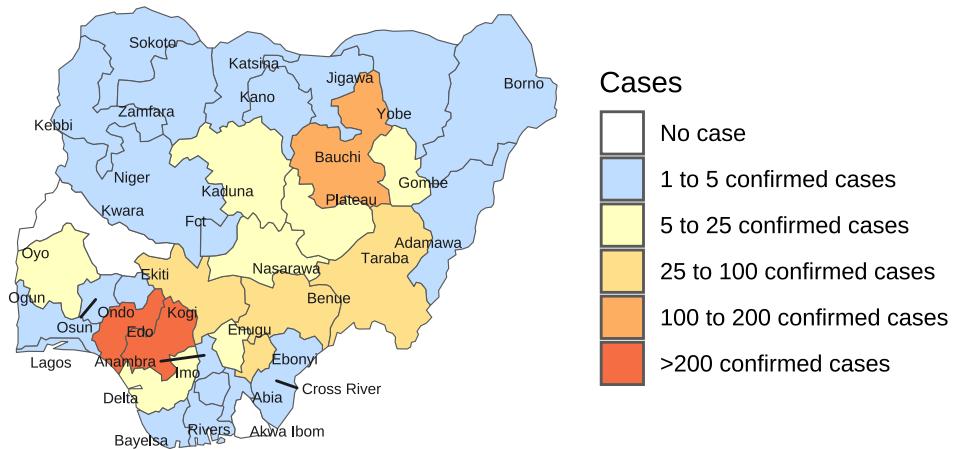
- Strengthening of capacity for lab diagnostics and case management in previous years resulted in greater case detection.
  - Major LF outbreaks reported in since 2018, with **5344 confirmed cases** since 2020.
  - Lassa fever cases in Nigeria by week show a seasonal effect: the number of cases peaks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

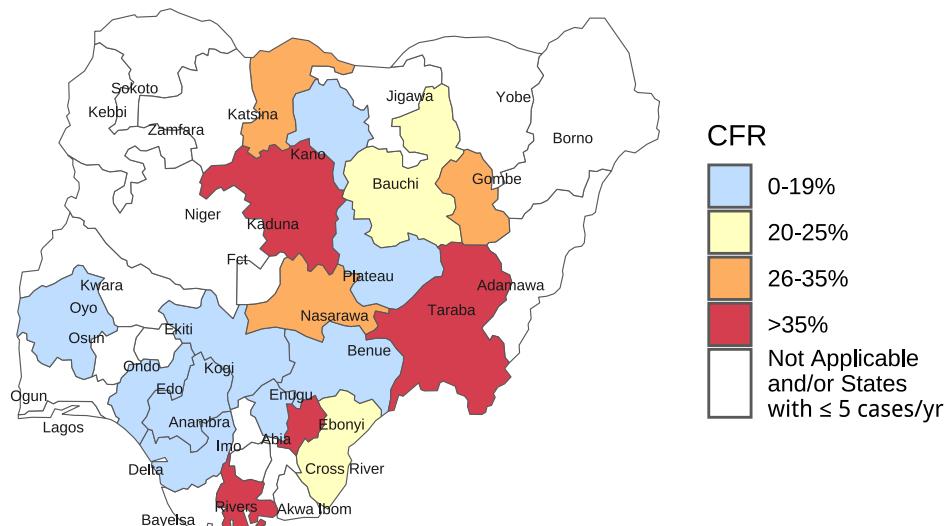
### Suspected cases



### 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

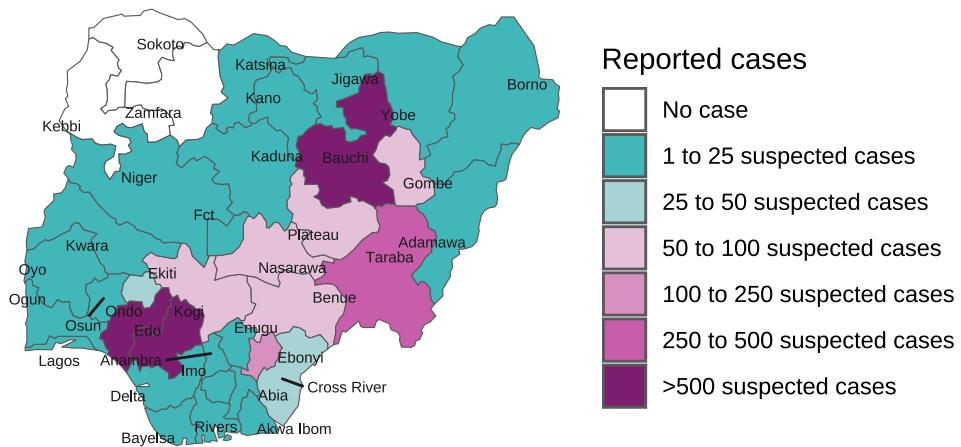
**!** Important

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

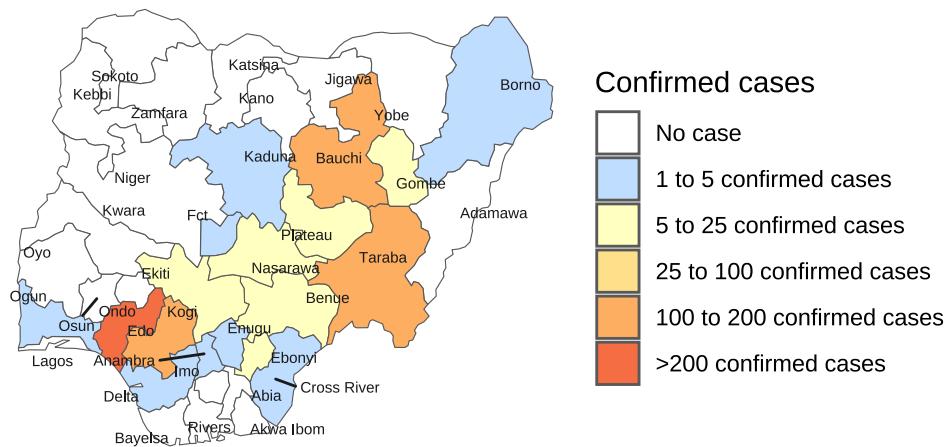
- Total **confirmed cases**: **747**
- Deaths from Confirmed Cases: **141**
- Case Fatality Ratio: **19%**
- Number of **Health Care Workers**: **22**

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

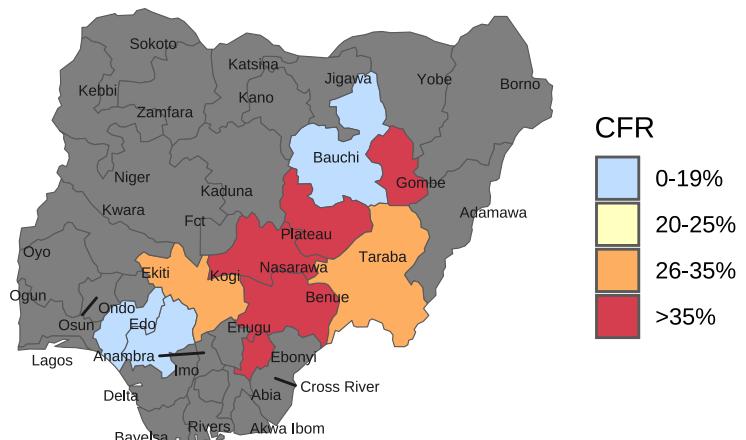
### Suspected cases



### Confirmed cases



### Case Fatality Rate (%)



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



CFR presented if  $\geq 5$  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

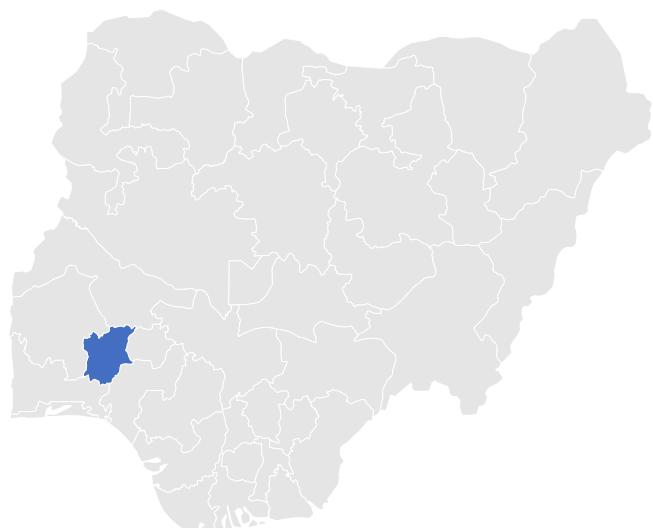


- Top 5 states reporting cases among HCW are Ondo (8), Bauchi (4), Taraba (3), Edo (2), and Gombe (2).**

### 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 Osun

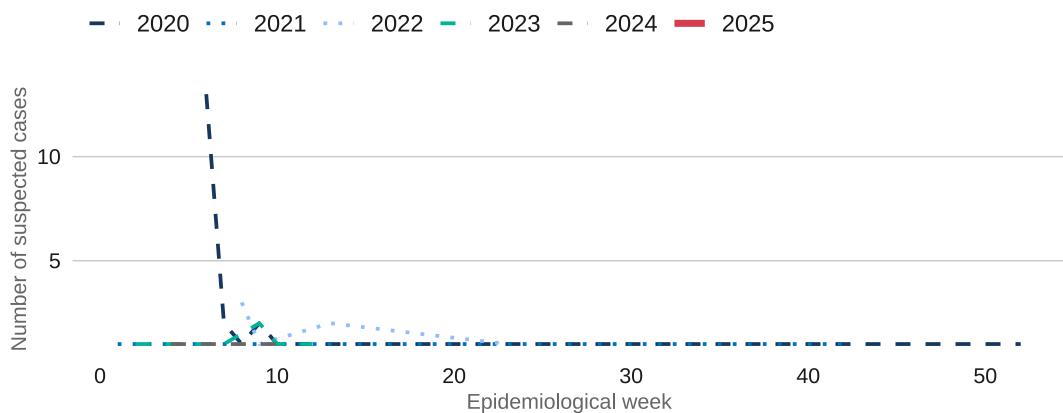


### Overview

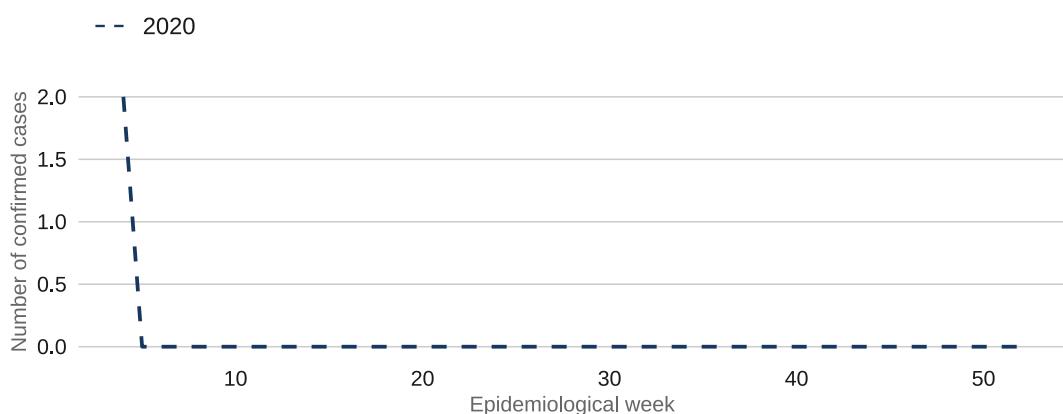
year	Suspected cases	Confirmed cases	Deaths	CFR	Trends
2020	20	2	0	0	
2021	2	0	0	-	
2022	6	0	0	-	
2023	8	0	0	-	
2024	4	0	0	-	
2025	1	0	0	-	

## Seasonality of Lassa Fever in Osun

### Suspected Cases

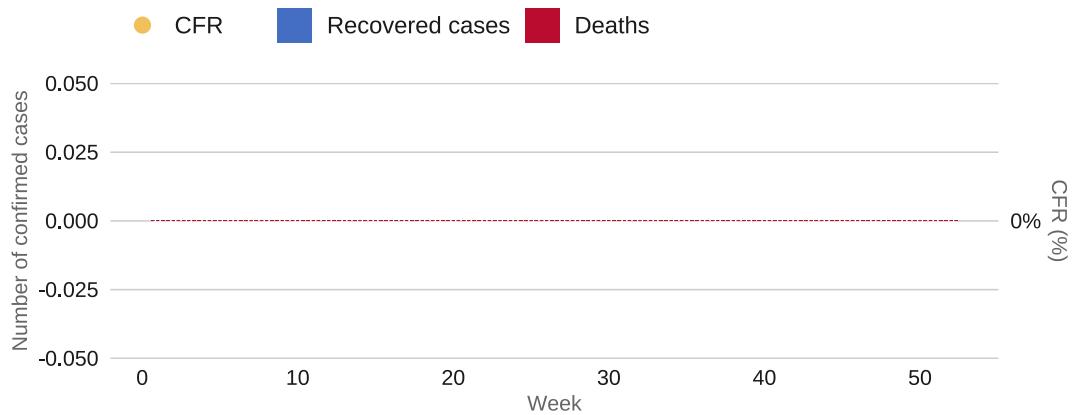


### Confirmed Cases



## Situation in Osun in 2025

### Confirmed Cases in 2025



### Suspected Cases in 2025

