

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

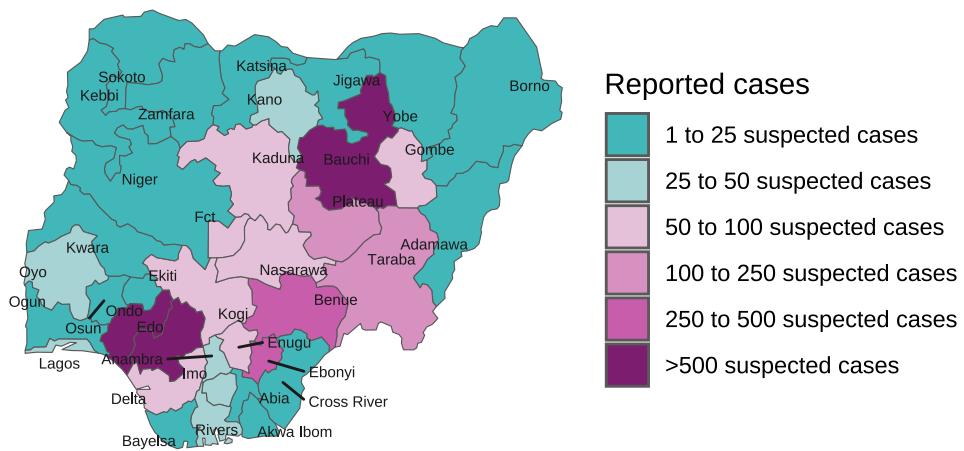




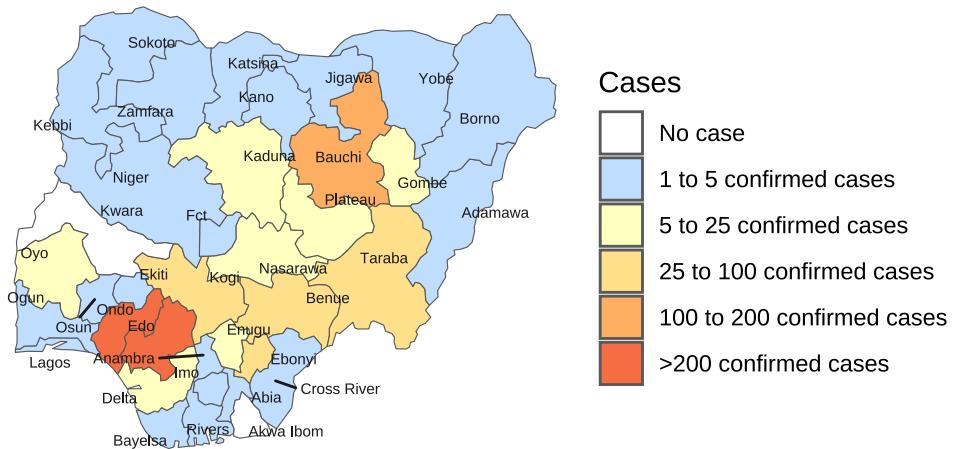
- Strengthening of capacity for lab diagnostics and case management in previous years resulted in greater case detection.
 - Major LF outbreaks reported in since 2018, with **5344 confirmed cases** since 2020.
 - Lassa fever cases in Nigeria by week show a seasonal effect: the number of cases peaks during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

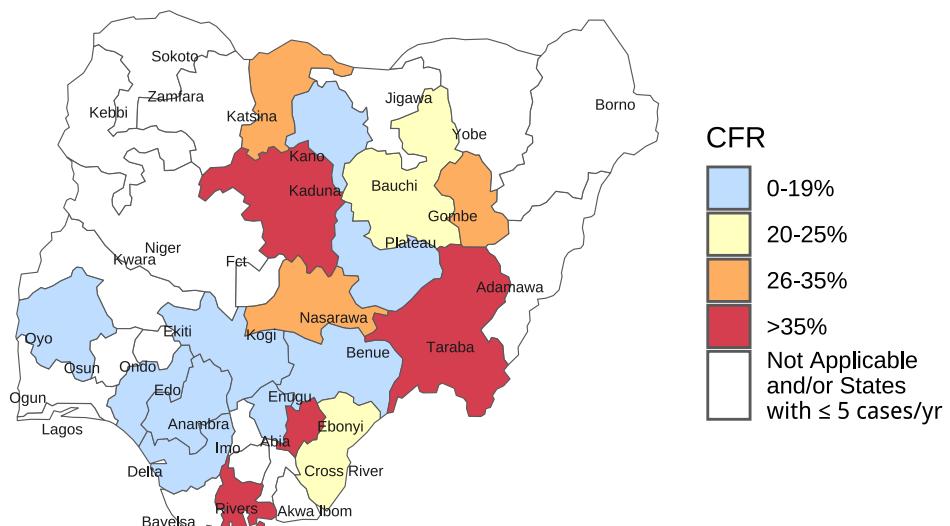
Suspected cases



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

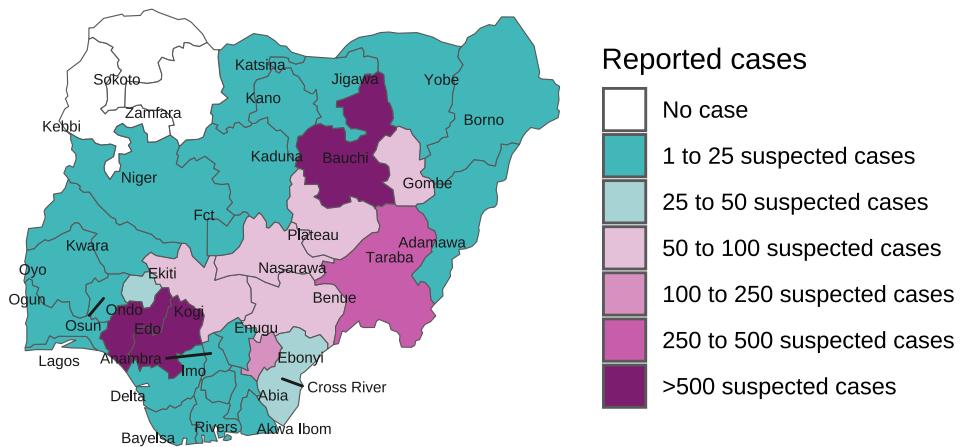
! Important

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

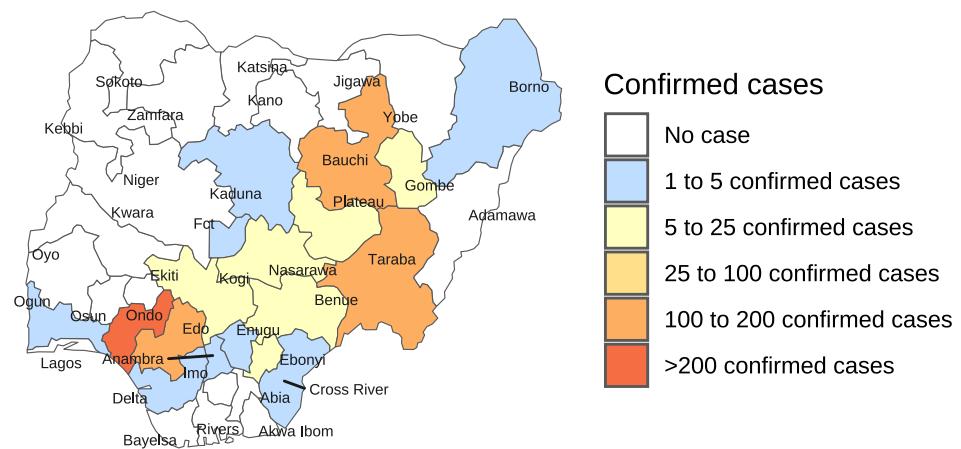
- Total **confirmed cases**: **747**
- Deaths from Confirmed Cases: **141**
- Case Fatality Ratio: **19%**
- Number of **Health Care Workers**: **22**

Lassa Fever Suspected cases, Confirmed cases and CFR in 2025

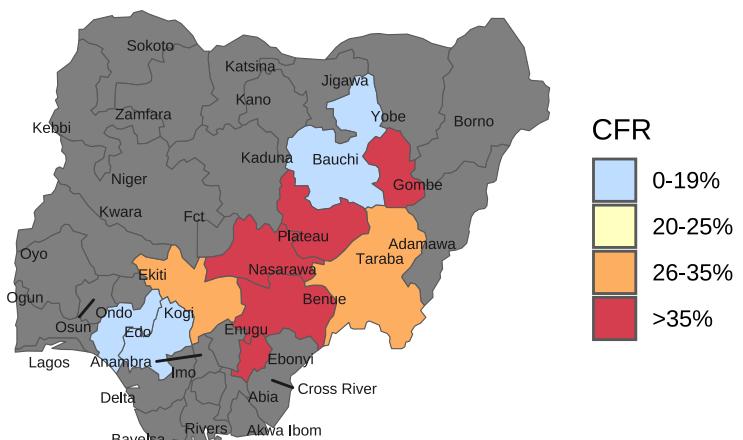
Suspected cases



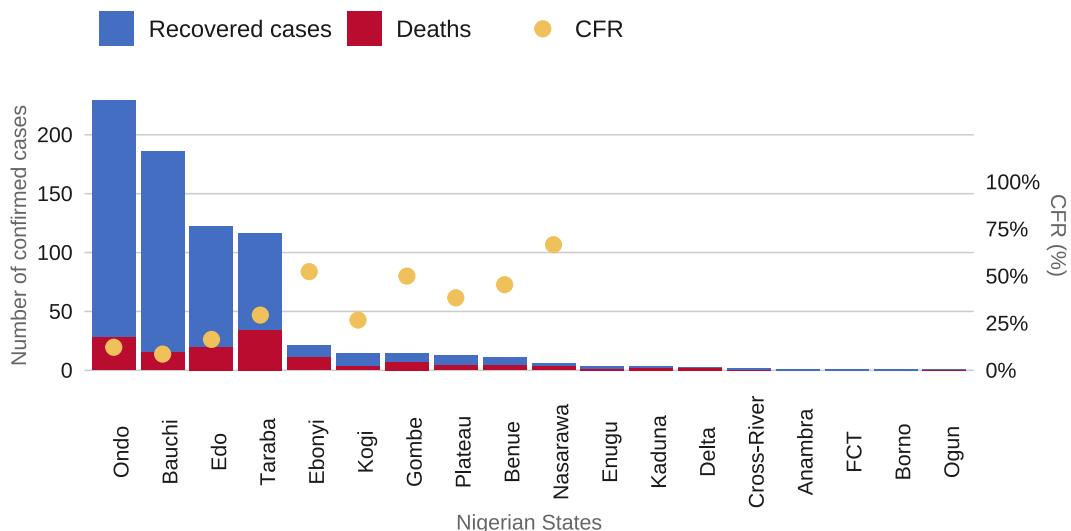
Confirmed cases



Case Fatality Rate (%)



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



CFR presented if ≥ 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.
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- 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

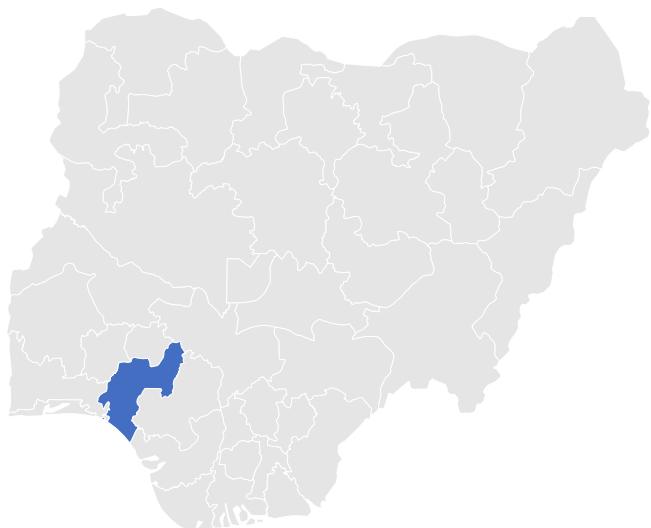


- Top 5 states reporting cases among HCW are Ondo (8), Bauchi (4), Taraba (3), Edo (2), and Gombe (2).**

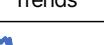
3 Trends by state at a glance

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 Ondo

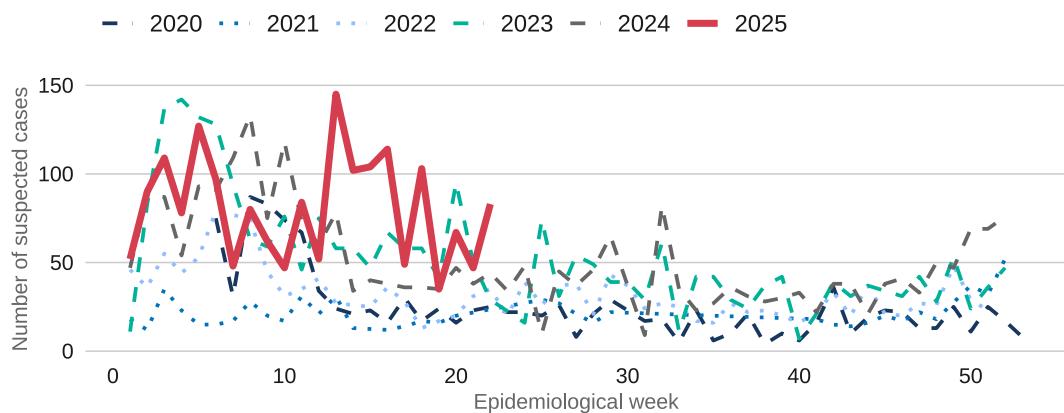


Overview

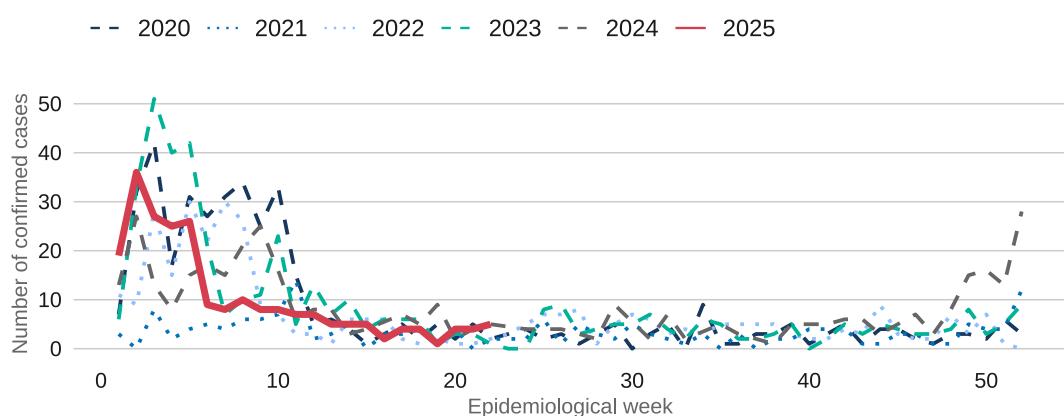
year	Suspected cases	Confirmed cases	Deaths	CFR	Trends
2020	670	334	54	20	
2021	375	86	25	30	
2022	848	221	40	20	
2023	1607	309	33	10	
2024	1454	231	16	10	
2025	1775	229	28	10	

Seasonality of Lassa Fever in Ondo

Suspected Cases

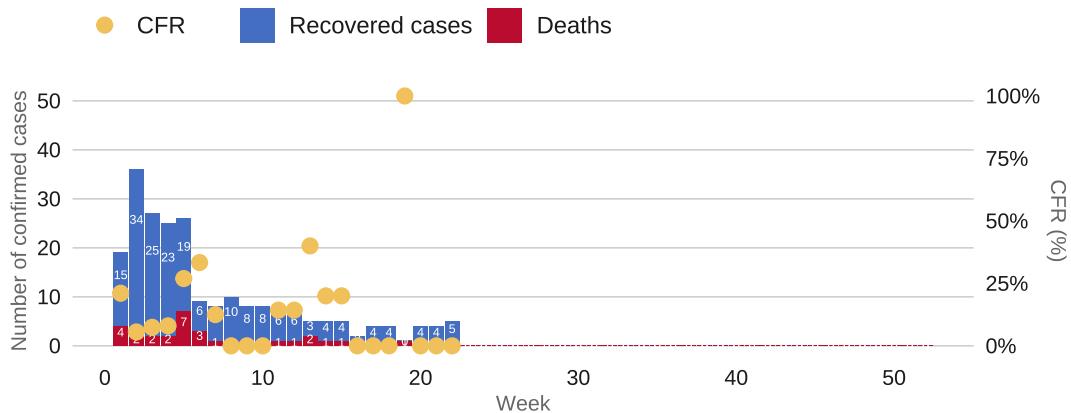


Confirmed Cases



Situation in Ondo in 2025

Confirmed Cases in 2025



Suspected Cases in 2025

