

# 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.

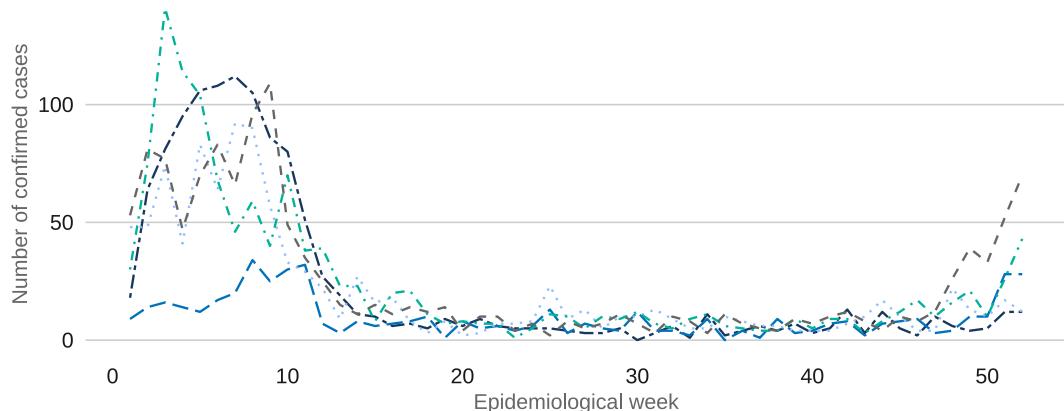
# 1 Lassa Fever in 2020-2024

## Overall Burden of Lassa Fever in Nigeria

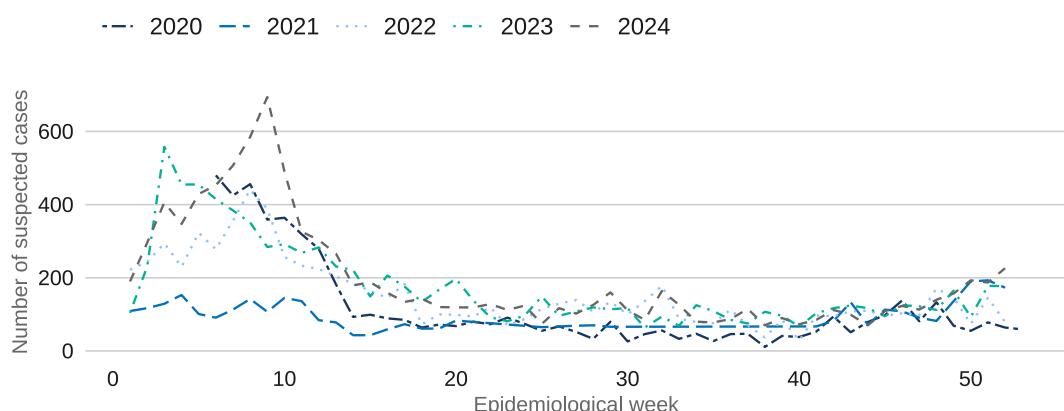


## The effect of seasonality on the Lassa fever incidence 2020-2024

### Confirmed Cases



### Suspected cases

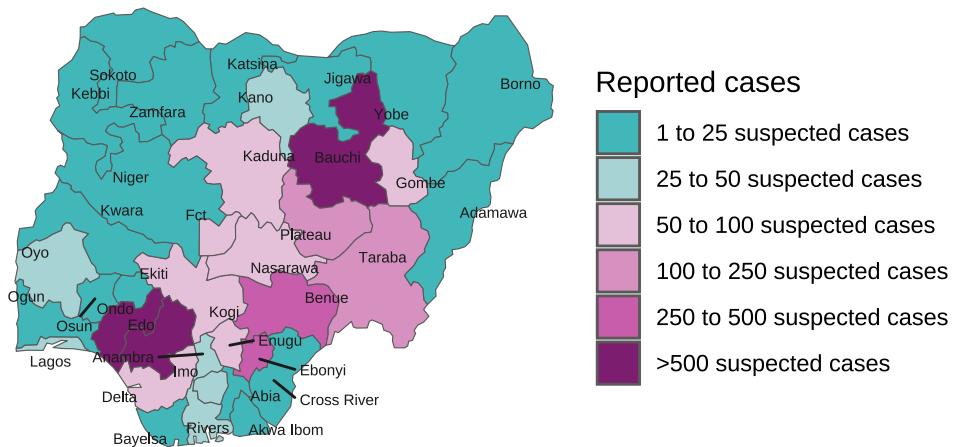




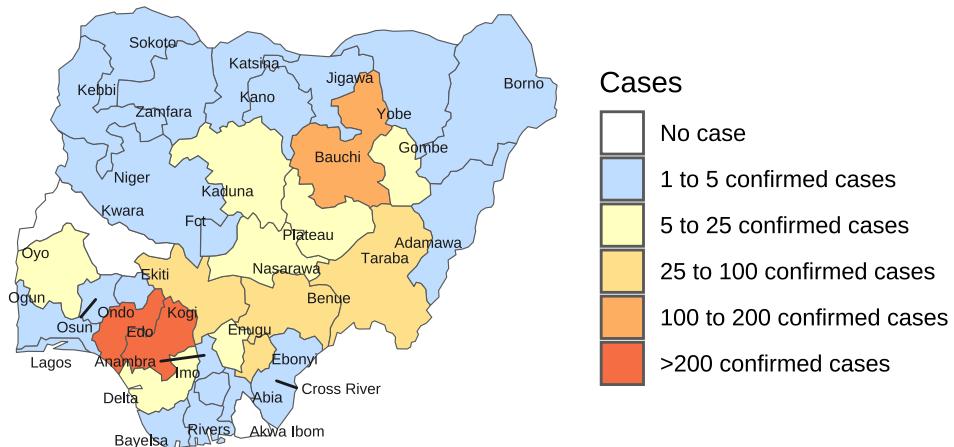
- Strengthening of capacity for lab diagnostics and case management in previous years resulted in greater case detection.
  - Major LF outbreaks reported in since 2018, with **5344 confirmed cases** since 2020.
  - Lassa fever cases in Nigeria by week show a seasonal effect: the number of cases peaks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

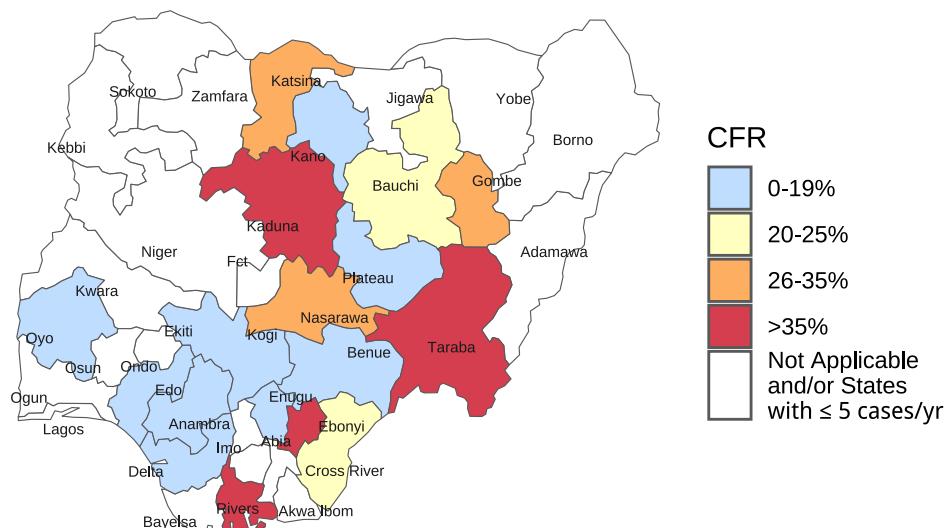
### Suspected cases



### 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

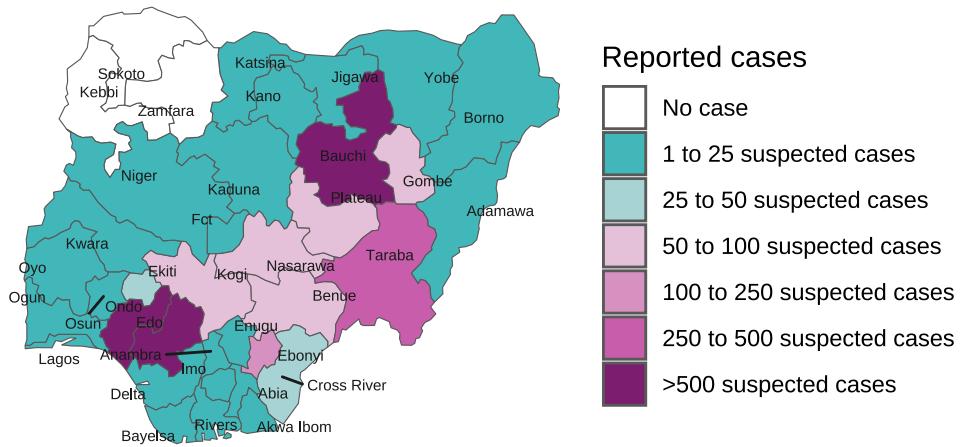
**!** Important

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

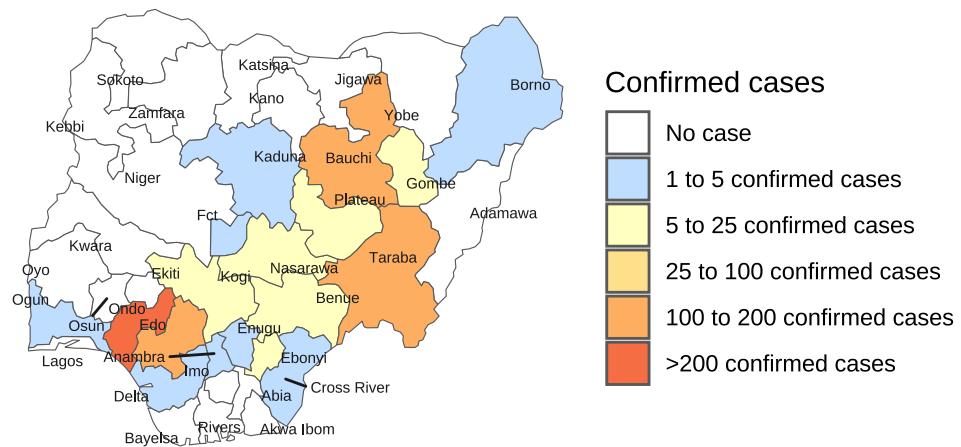
- Total **confirmed cases**: **747**
- Deaths from Confirmed Cases: **141**
- Case Fatality Ratio: **19%**
- Number of **Health Care Workers**: **22**

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

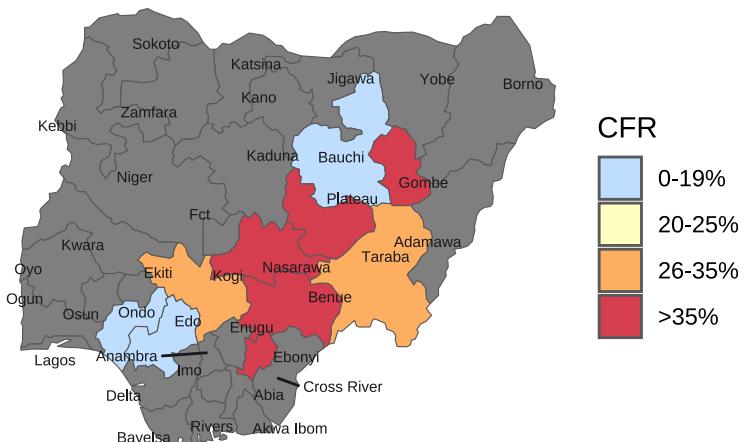
### Suspected cases



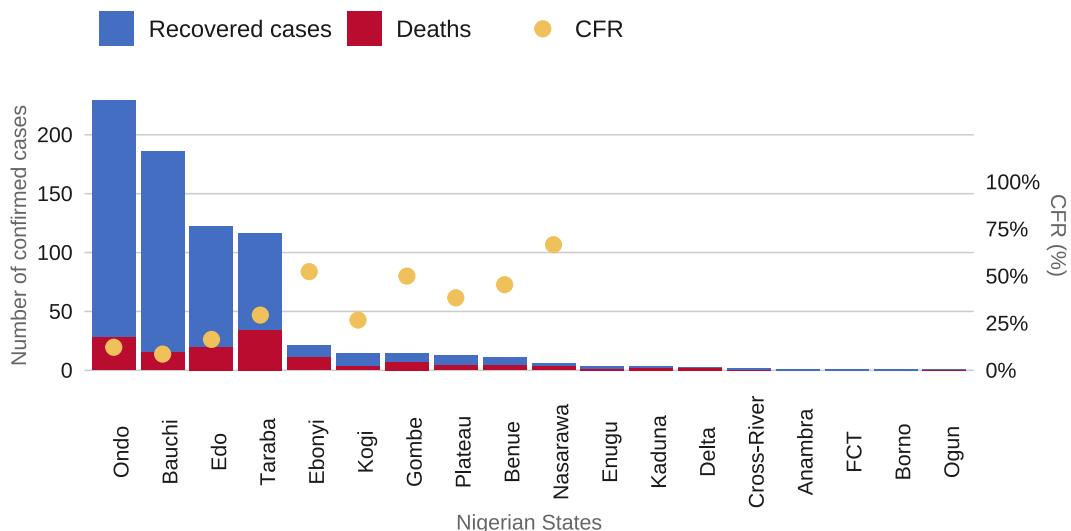
### Confirmed cases



### 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

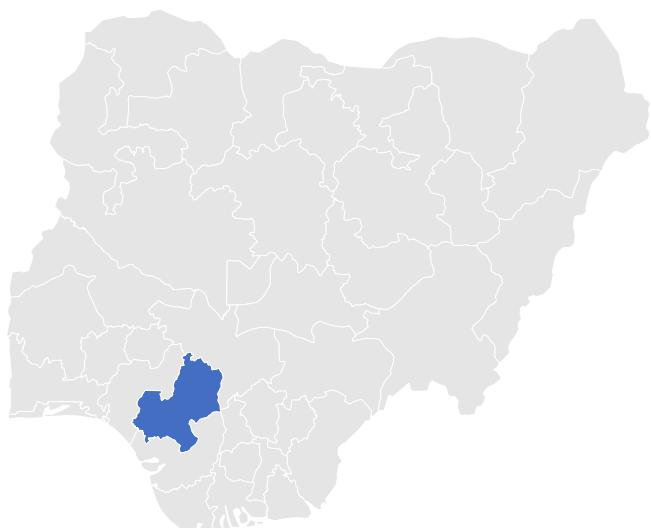


- Top 5 states reporting cases among HCW are Ondo (8), Bauchi (4), Taraba (3), Edo (2), and Gombe (2).**

### 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 Edo

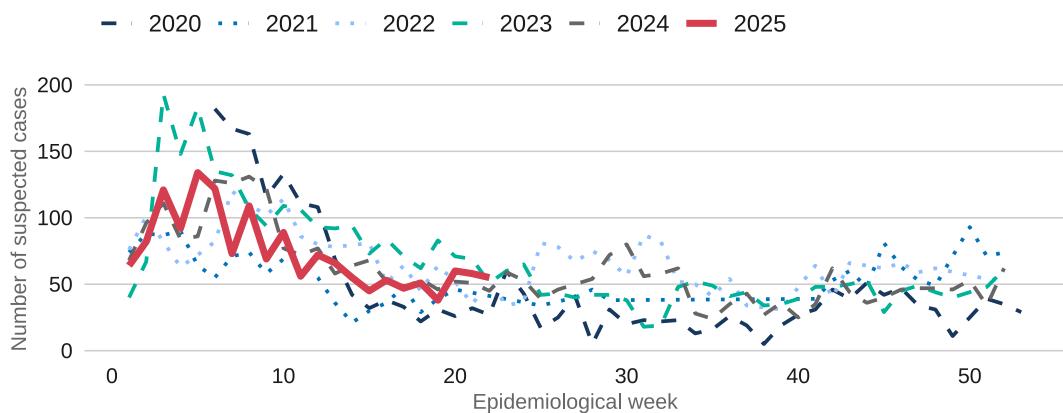


### Overview

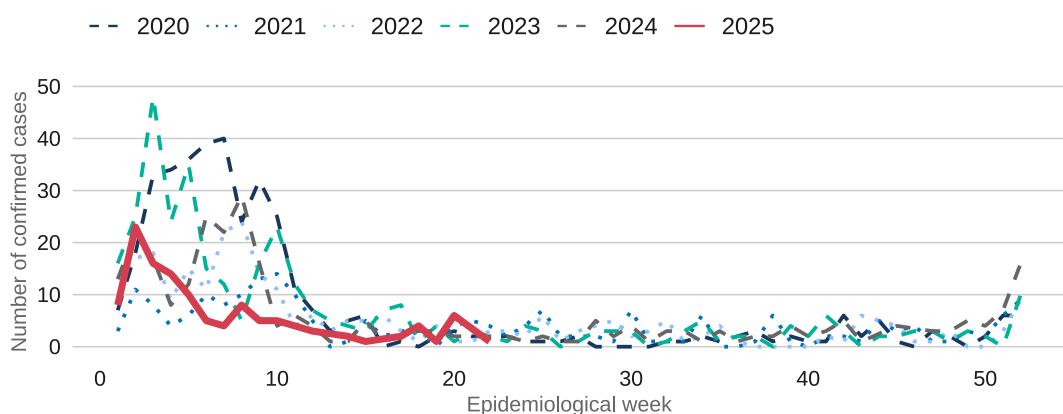
year	Suspected cases	Confirmed cases	Deaths	CFR	Trends
2020	1332	330	39	10	
2021	1137	129	14	10	
2022	1610	196	27	10	
2023	2157	276	36	10	
2024	1714	198	26	10	
2025	1611	122	20	20	

## Seasonality of Lassa Fever in Edo

### Suspected Cases



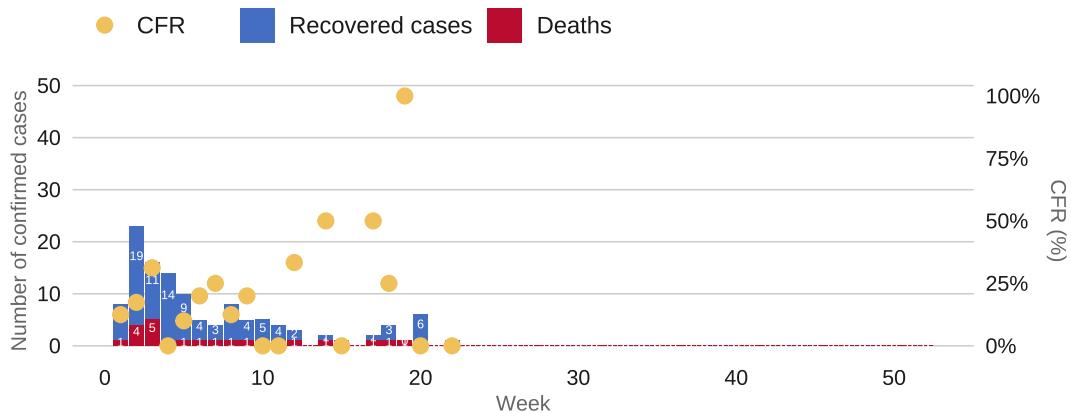
### Confirmed Cases





## Situation in Edo in 2025

### Confirmed Cases in 2025



### Suspected Cases in 2025

