



# OVERVIEW OF THE LASSA FEVER SITUATION IN NIGERIA

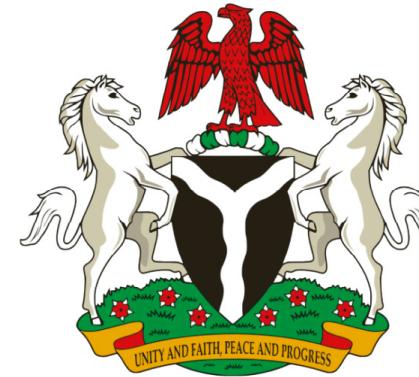
2020-2025



As of 2025, week 8

## DISCLAIMER

- **References:** Nigeria Centre for Disease control (NCDC), see here:



Nigeria Center for Disease Control and Prevention

- **More information:** for a dynamic report of the Lassa fever situation in Nigeria , go to [🔗](#)

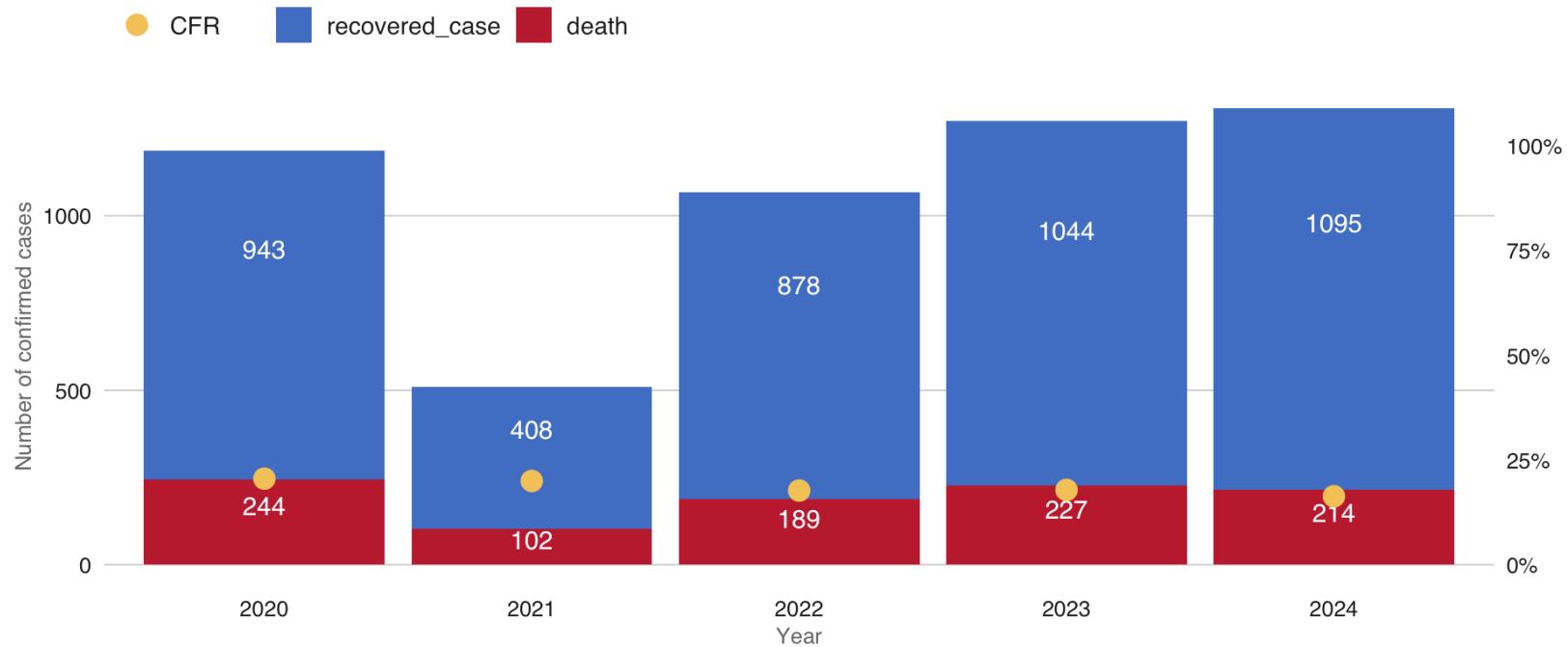
# LASSA FEVER IN NIGERIA - DATA FROM 2020 TO 2024

As of 2025, week 8



# THE OVERALL BURDEN OF LASA FEVER IN NIGERIA

**Cumulative number of confirmed Lassa fever cases and deaths with case fatality ratio (CFR) in Nigeria by year, 2020-2024**



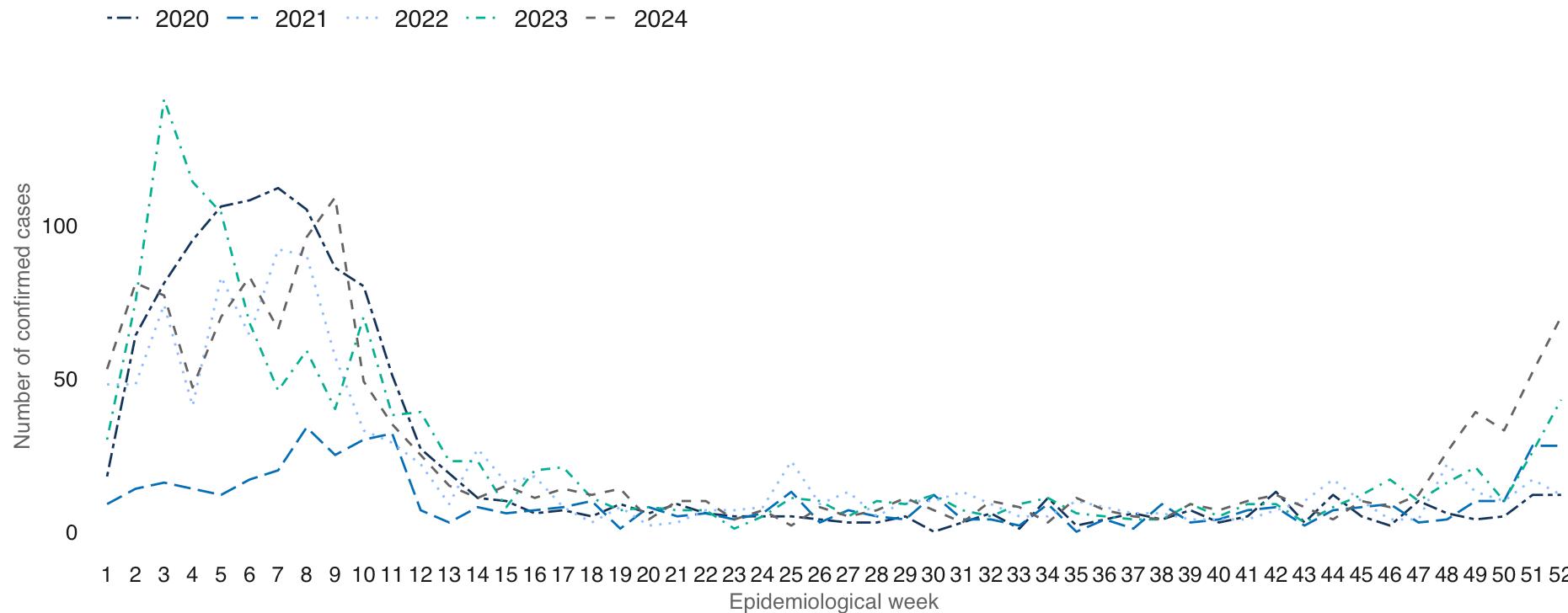
- Nigeria has the highest burden of Lassa fever cases in West Africa.
- Strengthening of capacity for laboratory diagnostics and case management in previous years resulted in greater case detection.
- Major LF outbreaks reported in since 2018, with **5344 confirmed cases** since 2020.

As of 2025, week 8

# THE EFFECT OF SEASONALITY ON THE LASA FEVER INCIDENCE

## Number of confirmed Lassa fever cases reported in Nigeria by week and year

From 2020 to 2024

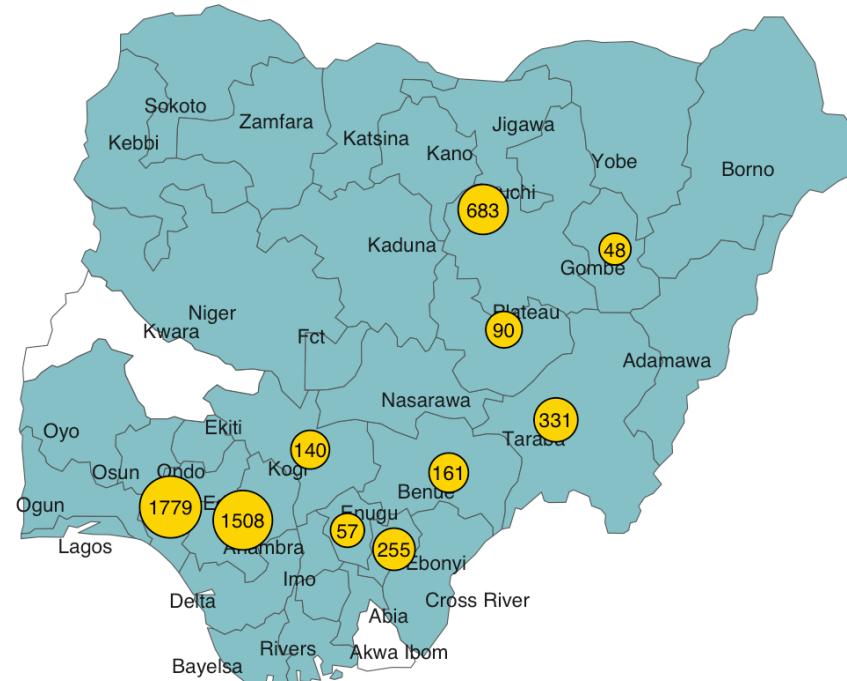


- Lassa fever cases in Nigeria by week show a seasonal effect: the number of cases peaks during the **dry season period** (from epi week 47 - week 12).
- The seasonal increase of Lassa fever cases during the dry period may be attributed to an increase of the infected rodent population, or a seasonal behavioural change in the human population (or a mix of both) resulting in a higher risk of exposure with infected animals and/or to food or household items contaminated with rodent excreta.

As of 2025, week 8

# LASSA FEVER IN NIGERIA: WHERE DO EFFORTS NEED TO FOCUS?

## Lassa fever outbreak – overview from January 2020 to December 2024

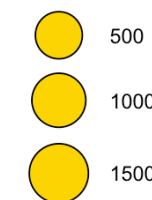


source: Nigeria Center for Disease Control (NCDC)

### States reporting cases:



### States reporting ≥10 cases a year on average:



Cumulatively, from January 2018 to December 2024, 75% of all Lassa fever confirmed cases were from Ondo (33%), Edo (31%) and Bauchi (11%) States.

- Total confirmed cases: 5850
- Deaths from Confirmed Cases: 1071
- Case Fatality Ratio: 20%
- Number of Health Care Workers: 228

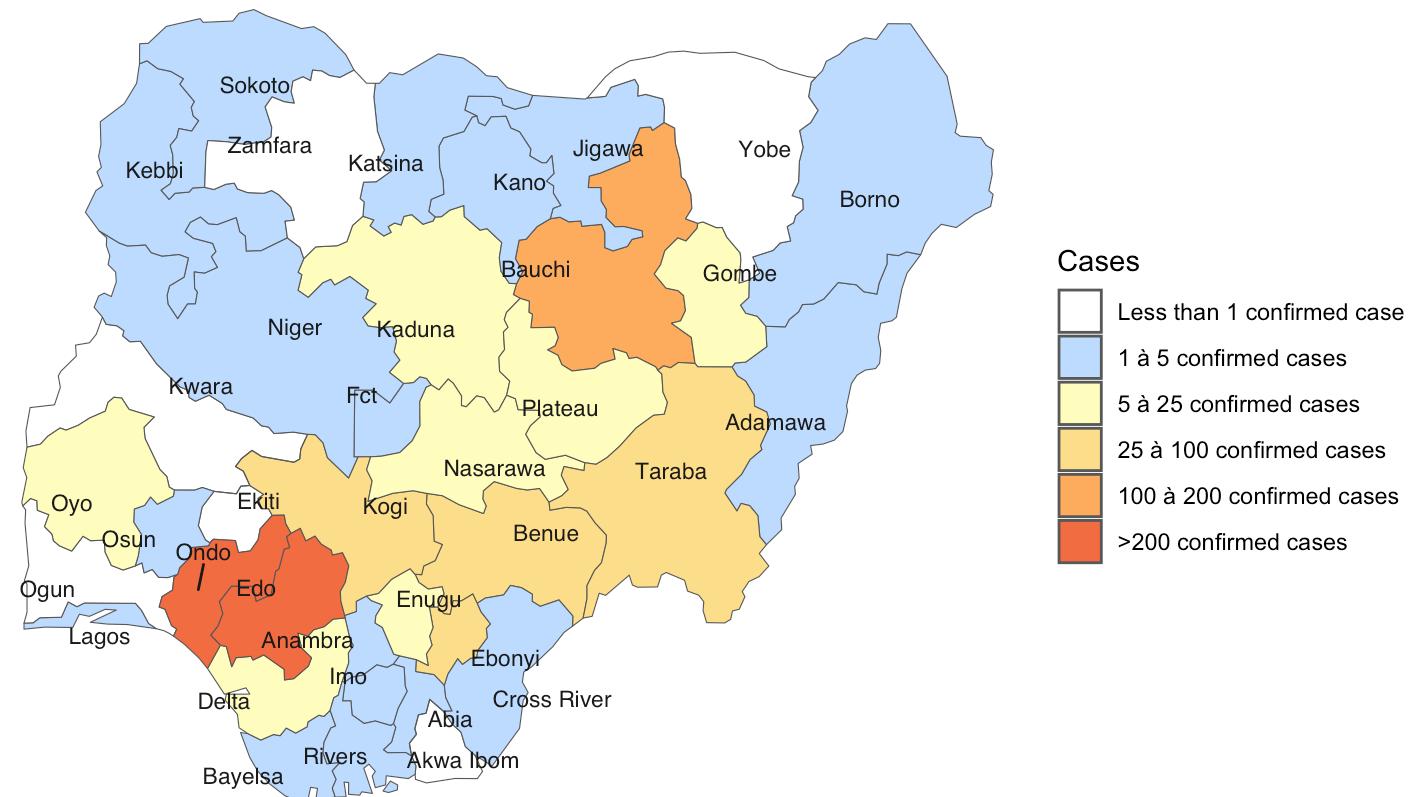
As of 2025, week 8

# LASSA FEVER CONFIRMED CASES AND CFR BY STATE, NIGERIA 2020-2024

Confirmed cases

CFR

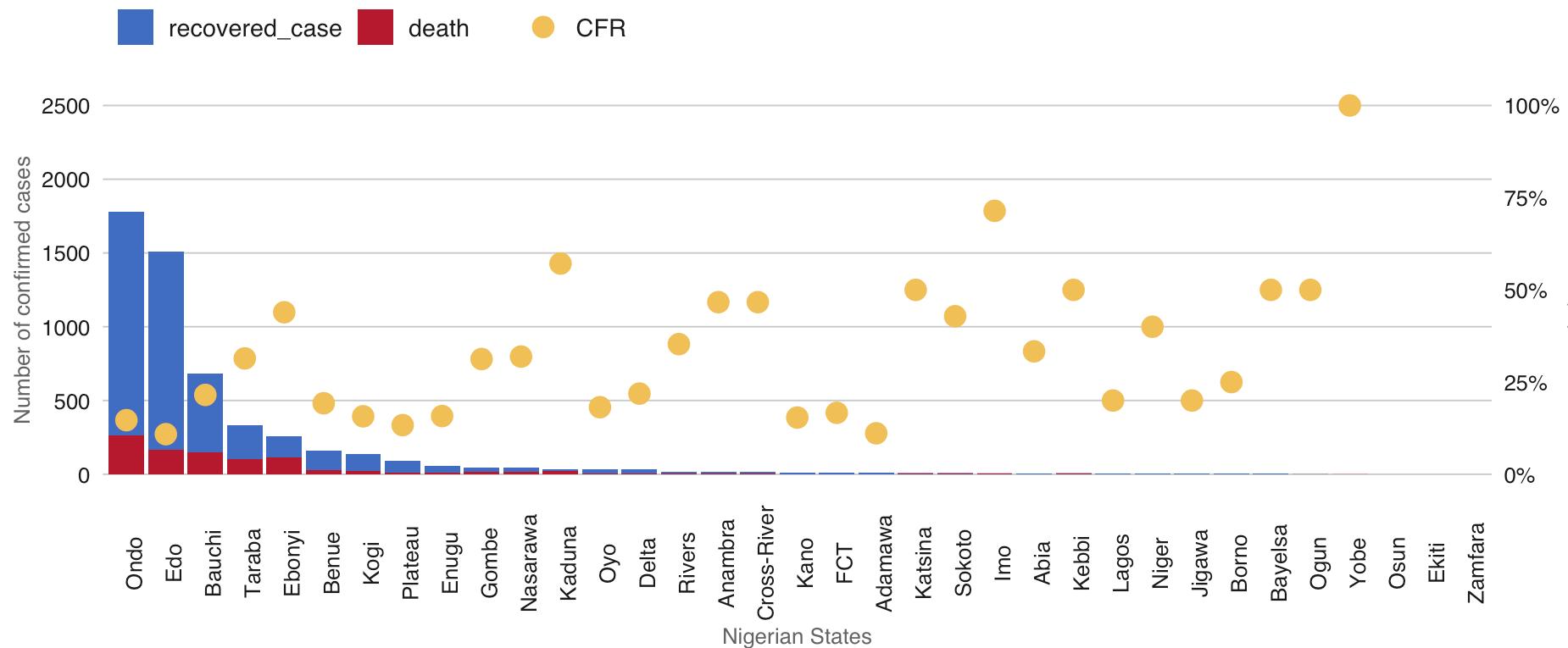
Lassa fever confirmed cases reported per year  
2020-2024 (average per year)



As of 2025, week 8

# CASE FATALITY RATE (CFR) AMONG CONFIRMED LASSA FEVER CASES

**Cumulative number of confirmed Lassa fever cases and deaths with case fatality ratio (CFR) in Nigeria by state, 2020-2024**

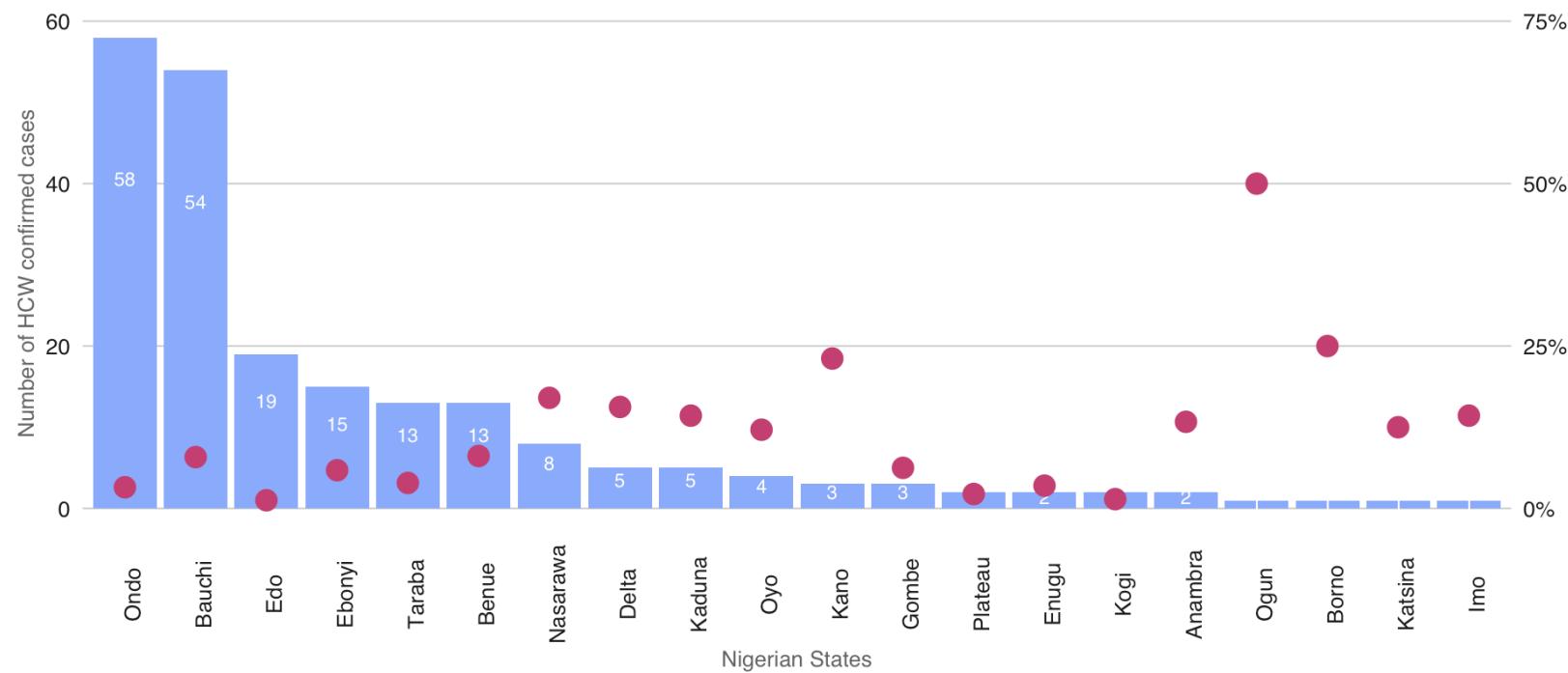


- From 2017-2024, CFR among all laboratory confirmed cases in Nigeria was **between 16-27%** and decreased over the years.
- In 2024, overall **CFR for Nigeria was 16%** and differed greatly by individual State.
- In general, variation of CFR is likely due to late presentation of patients and differences in case management which may indicate a need for improvement.

As of 2025, week 8

# LASSA FEVER INFECTIONS AMONG HEALTHCARE WORKERS

**Cumulative number of confirmed HCW (n=212) by state and % among confirmed cases, 2020-2024**



- From 2020-2024, a total of **212 healthcare workers (HCW)** were reported among confirmed cases, that is **4% of Lassa fever cases**.
- From 2020-2024, **60% of all HCW infections** were from Ondo (26%), Bauchi (20%), Edo (15%) States where 75% of all Lassa fever patients were being cared for. 12% of HCW infections are reported from Ebonyi where 6% of Lassa fever patients were being cared for.
- Higher proportion of HCW** in States with low incidence (10-30%).

As of 2025, week 8

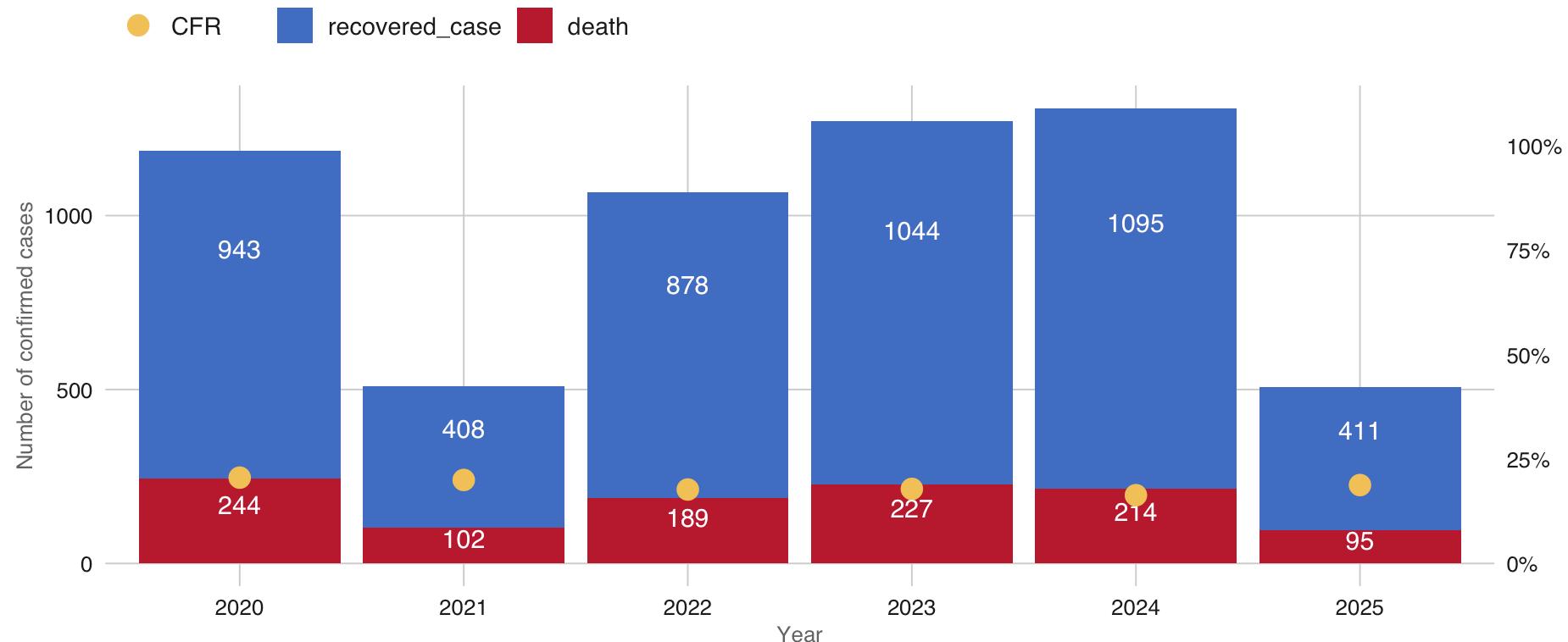
# LASSA FEVER IN 2025 - DATA FROM EPI-WEEK 1 TO EPI-WEEK 8

As of 2025, week 8



## CUMULATIVE NUMBER OF CONFIRMED LASSA FEVER CASES

**Cumulative number of confirmed Lassa fever cases and deaths with case fatality ratio (CFR) in Nigeria by year, 2020-2025, epiweek 8**



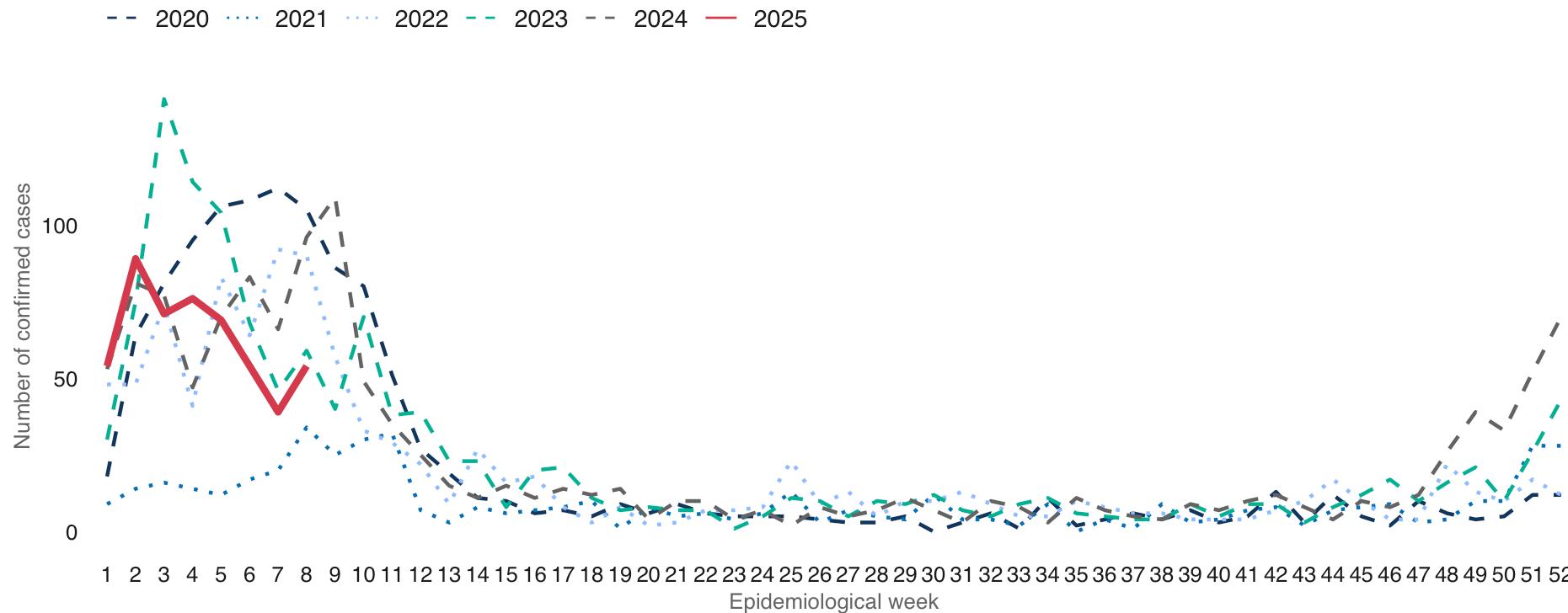
- Nigeria has the highest burden of Lassa fever cases in West Africa.
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- Major LF outbreaks reported in since 2018, with 5344 confirmed cases since 2020.

As of 2025, week 8

# SEASONALITY OF LASSA FEVER

## Number of confirmed Lassa fever cases reported in Nigeria by week and year

From 2020 to 2025, epiweek 8

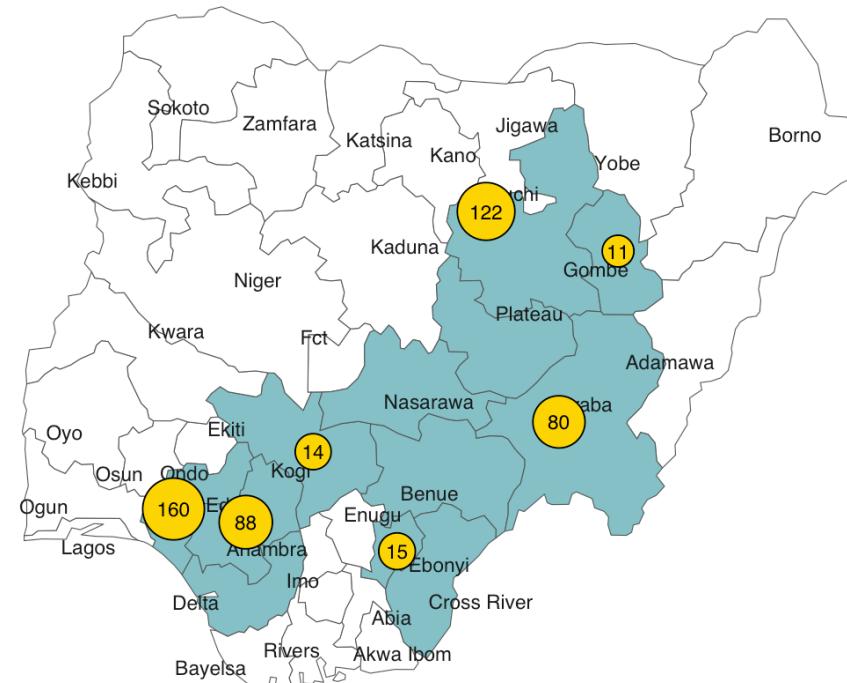


- In 2025, similar trend as per previous years confirming a seasonal effect on Lassa fever incidence.
- Compared to 2024, 12% decrease in the cumulative number of confirmed cases reported.

As of 2025, week 8

# STATES REPORTING LASSA FEVER CONFIRMED CASES IN 2025

## Lassa fever outbreak 2025, as of epi-week 8



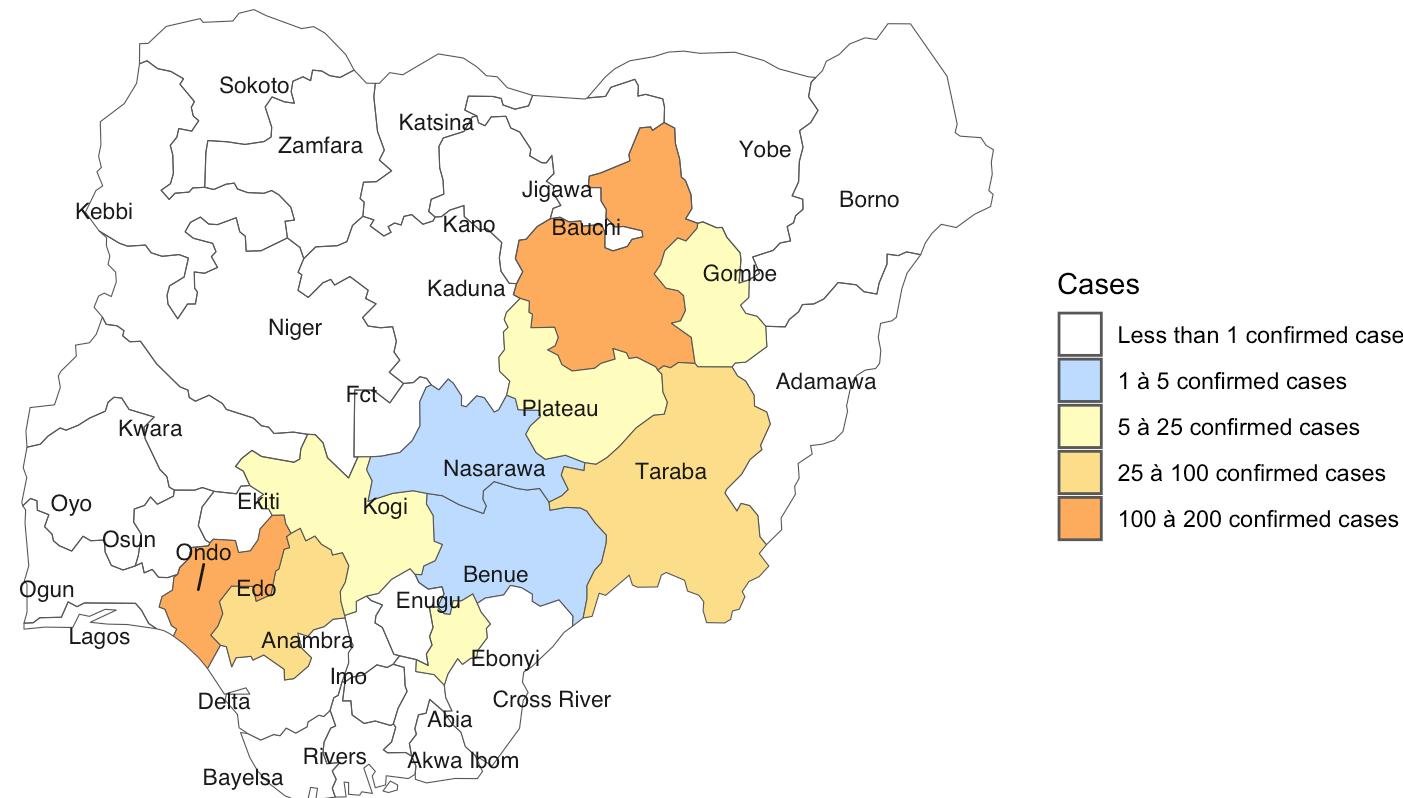
# LASSA FEVER CONFIRMED CASES AND CFR BY STATE IN 2025

Confirmed cases

CFR

Lassa fever confirmed cases reported

2025, as of epiweek 8

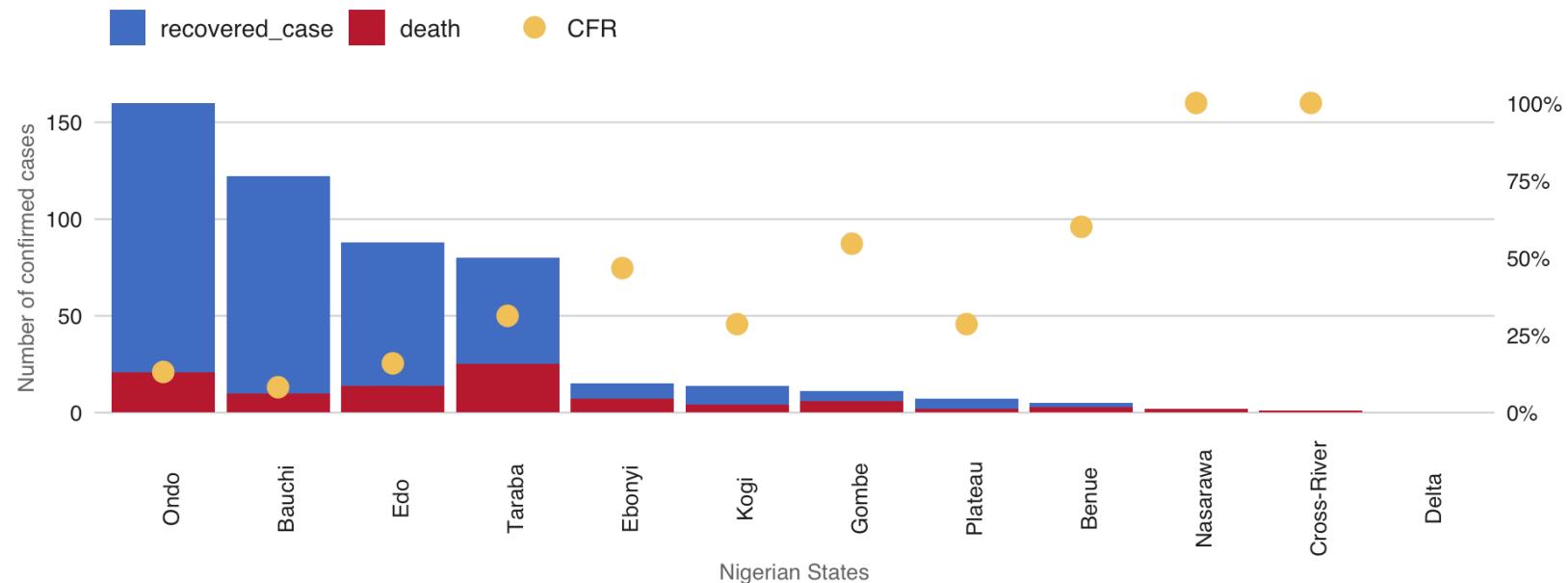


As of 2025, week 8

# CASE FATALITY RATIO AMONG CONFIRMED LASSA FEVER CASES BY STATE IN 2025

## Cumulative number of confirmed Lassa fever cases and deaths with case fatality ratio (CFR) in Nigeria by state

2025, as of epiweek 8

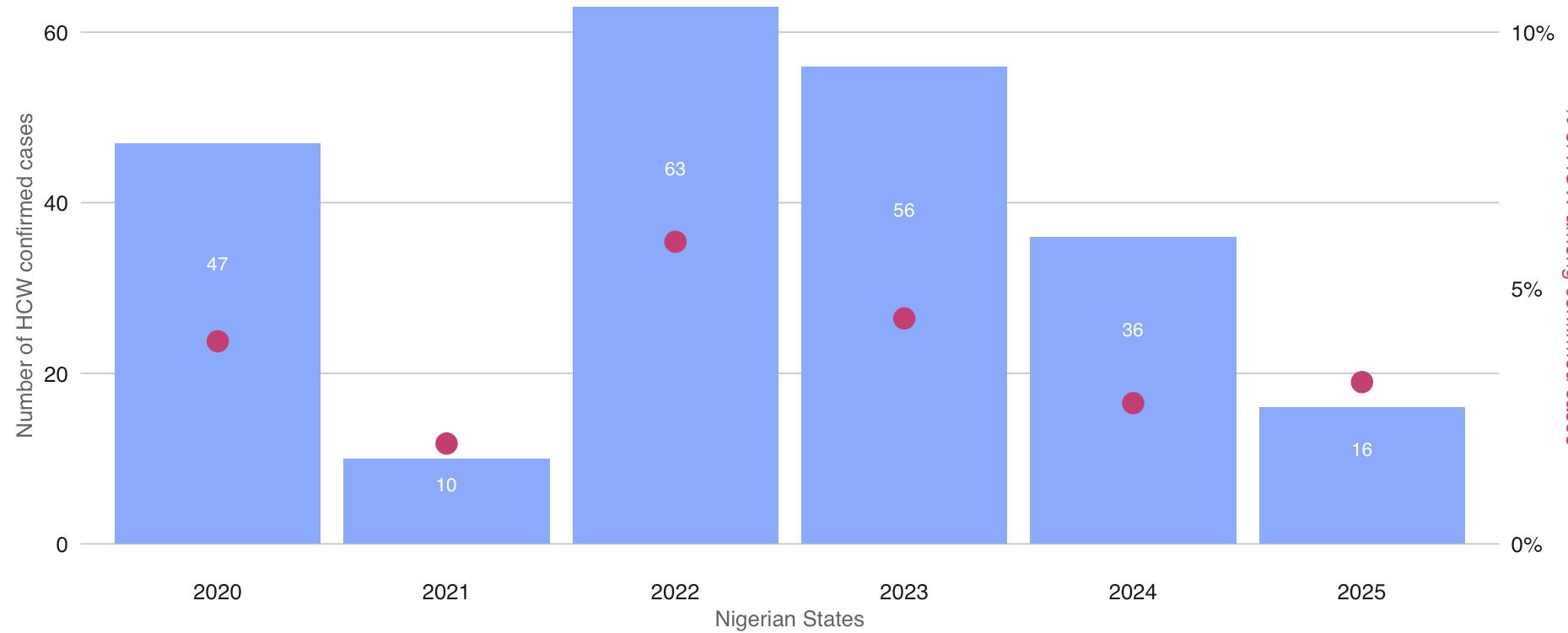


- As of epi week 8 2025, cumulatively 506 cases and 95 deaths (CFR=19%) across 12 States have been reported
- At same period 2024, a total of 24 States reported at least one confirmed cases.
- There is a 13% decrease in the number of suspected cases reported in 2025 compared to 2024.
- In 2024, 24 States had reported at least one suspected case versus 12 in 2025 to date.

As of 2025, week 8

# HEALTH CARE WORKER INFECTIONS 2020-2025 EPIWEEK 8

**Cumulative number of confirmed HCW (n=228) by state and % among confirmed cases,  
2020-2025**



- As of epi week 8 of 2025, there has been 16 healthcare workers infected, that is 3% of confirmed cases.
- 8 HCW infections in Ondo, 4 in Bauchi, 2 in Gombe, 1 in Edo and 1 in Taraba.

As of 2025, week 8

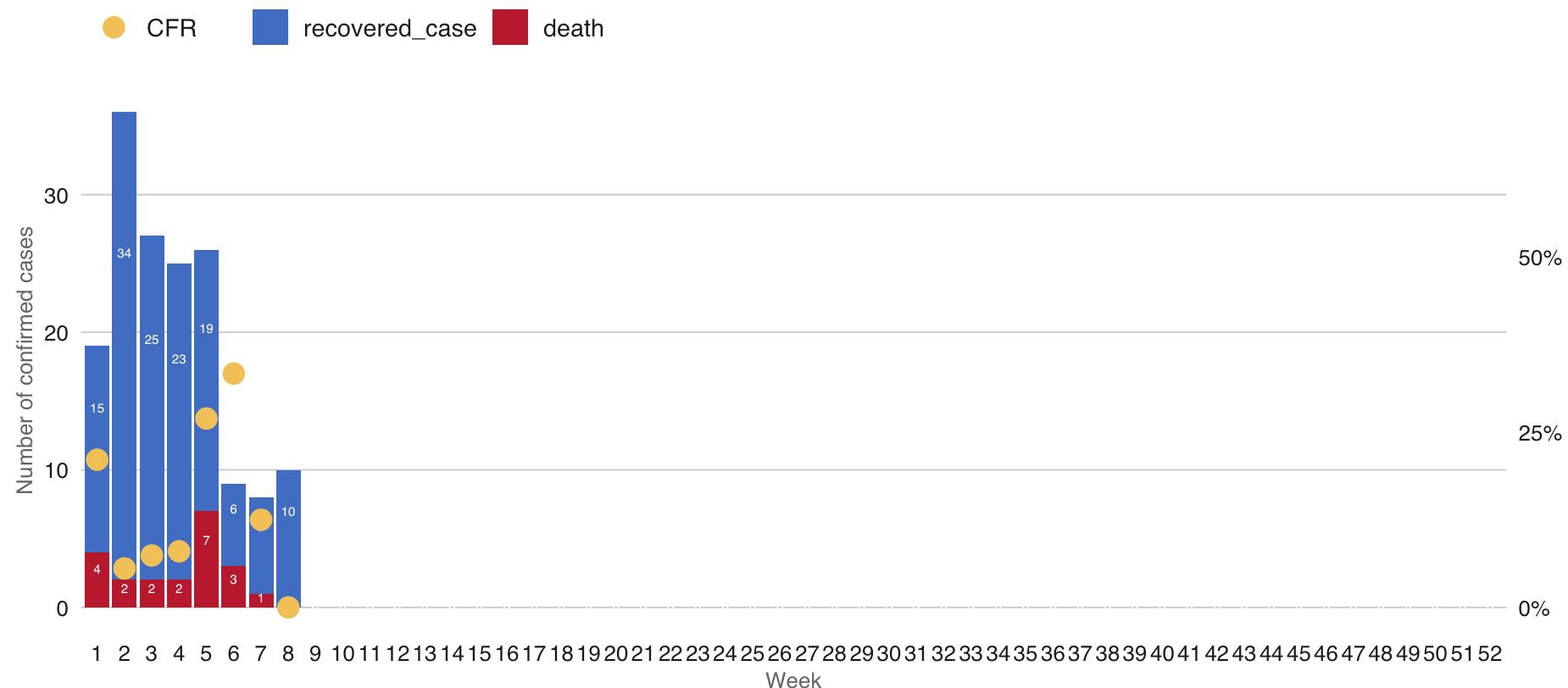
## LASSA FEVER IN MOST AFFECTED STATES - DATA FROM 2020 TO 2025 (AS OF EPI-WEEK 8)

As of 2025, week 8

# LASSA FEVER IN ONDO STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Ondo, 2025



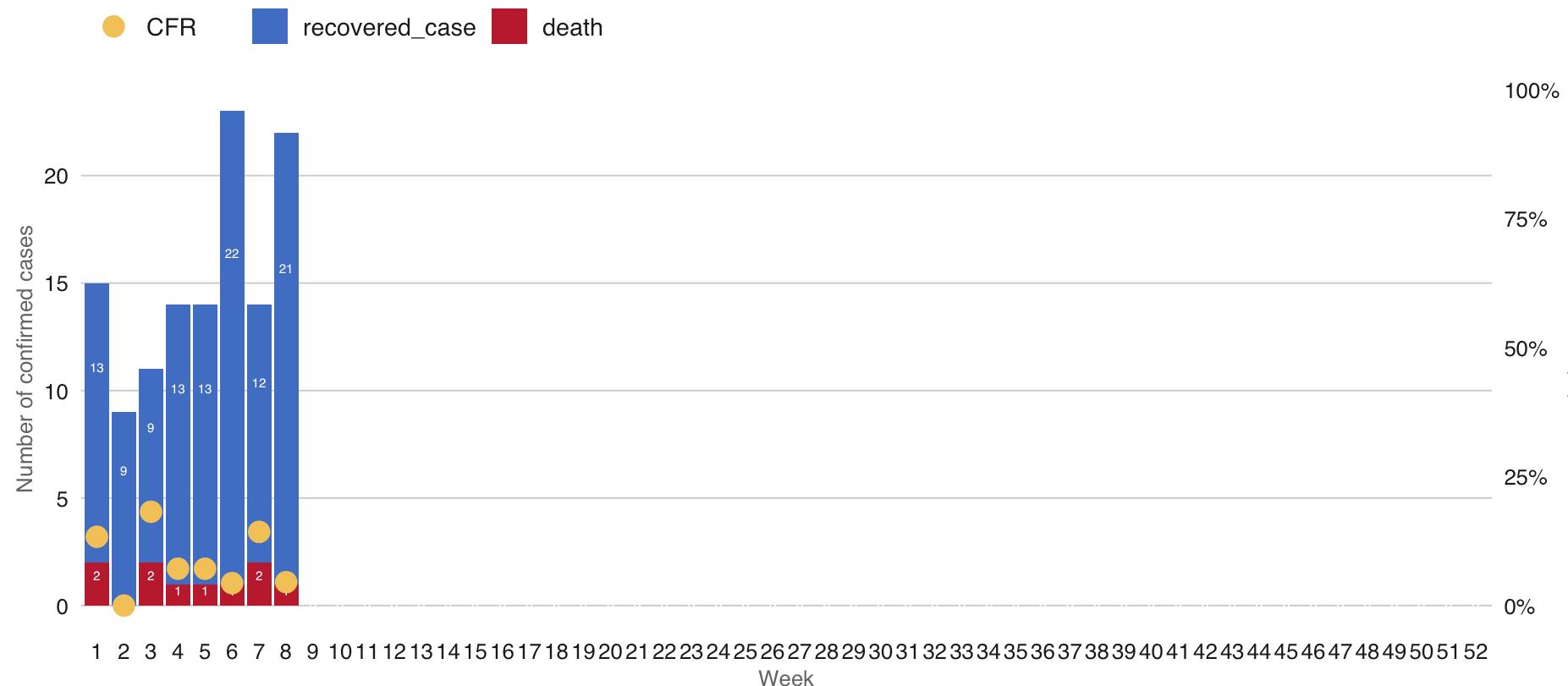
- As of week 8, 2025, Ondo State reported **1939 confirmed cases** including **282 deaths** (CFR 15%).
- In 2025 only, Ondo State reported **160 confirmed cases** including **21 deaths** (CFR 13%).
- Compared to same period 2024, this represents a **24% increase** in the number of confirmed cases and a **69% increase** in CFR.

As of 2025, week 8

# LASSA FEVER IN BAUCHI STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Bauchi, 2025



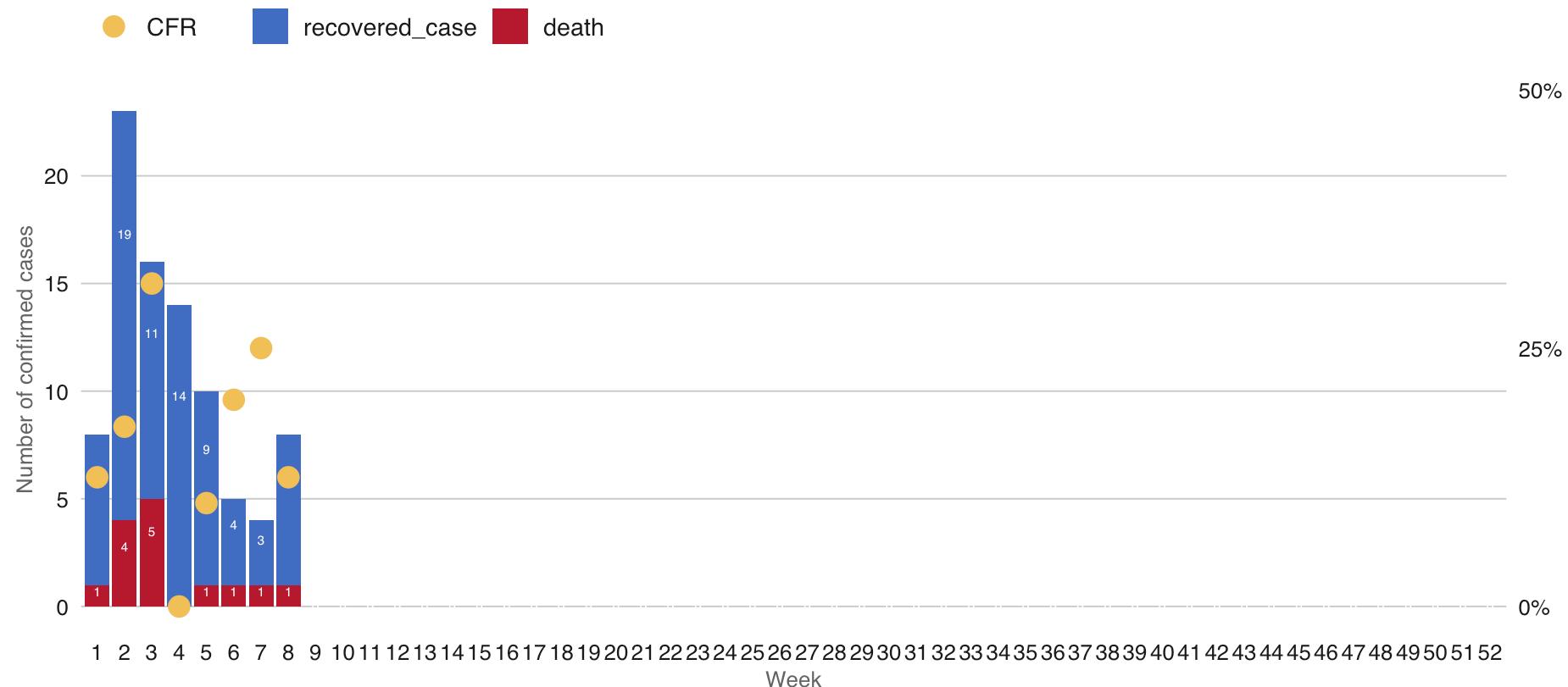
- As of week 8, 2025, Bauchi State reported **805 confirmed cases** including **157 deaths** (CFR 20%).
- In 2025 only, Bauchi State reported **122 confirmed cases** including **10 deaths** (CFR 8%).
- Compared to same period 2024, this represents a **42% increase** in the number of confirmed cases and a **65% decrease** in CFR.

As of 2025, week 8

# LASSA FEVER IN EDO STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Edo, 2025



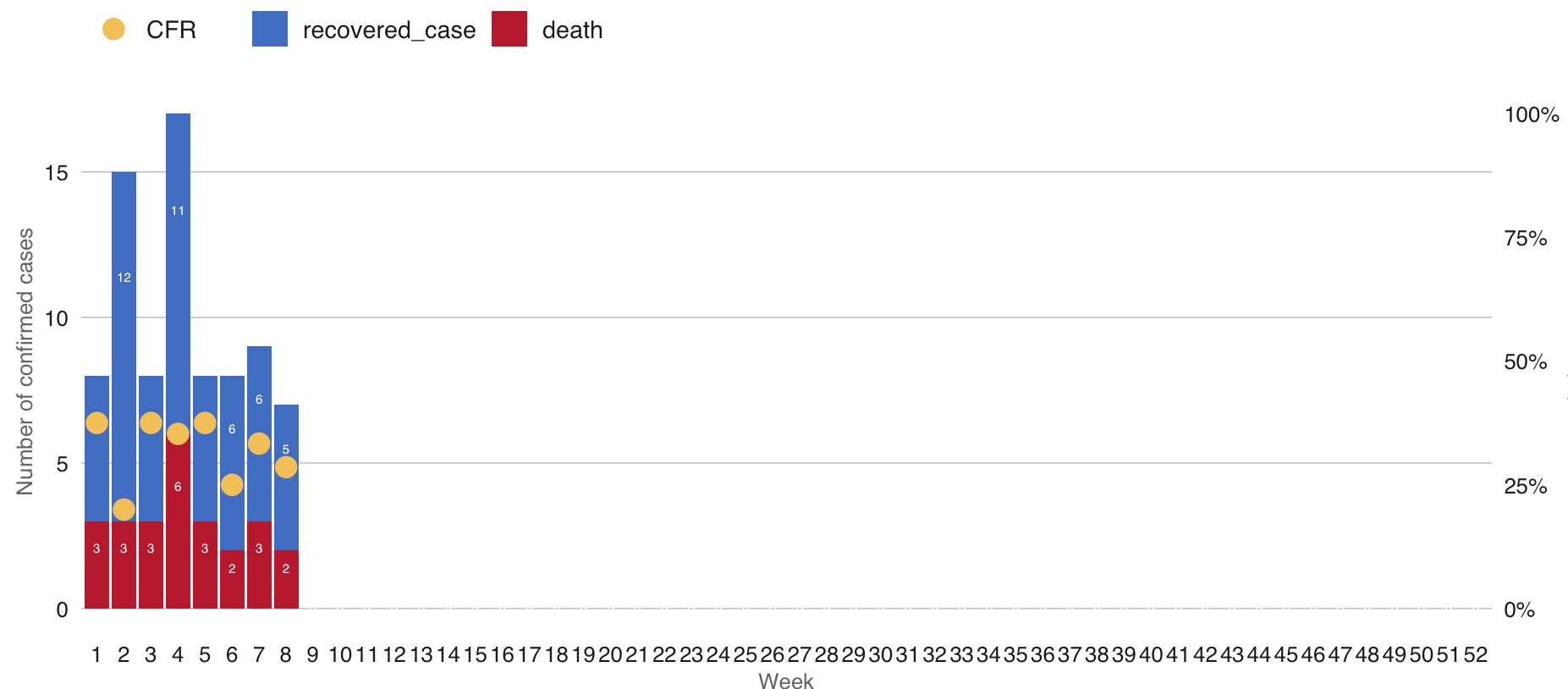
- As of week 8, 2025, Edo State reported **1596 confirmed cases** including **178 deaths** (CFR 11%).
- In 2025 only, Edo State reported **88 confirmed cases** including **14 deaths** (CFR 16%).
- Compared to same period 2024, this represents a **41% decrease** in the number of confirmed cases and a **31% increase** in CFR.

As of 2025, week 8

# LASSA FEVER IN TARABA STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Taraba, 2025



- As of week 8, 2025, Taraba State reported **411 confirmed cases** including **129 deaths** (CFR 31%).
- In 2025 only, Taraba State reported **80 confirmed cases** including **25 deaths** (CFR 31%).
- Compared to same period 2024, this represents a **16% increase** in the number of confirmed cases and a **27% increase** in CFR.

As of 2025, week 8

# LASSA FEVER IN EBONYI STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Ebonyi, 2025



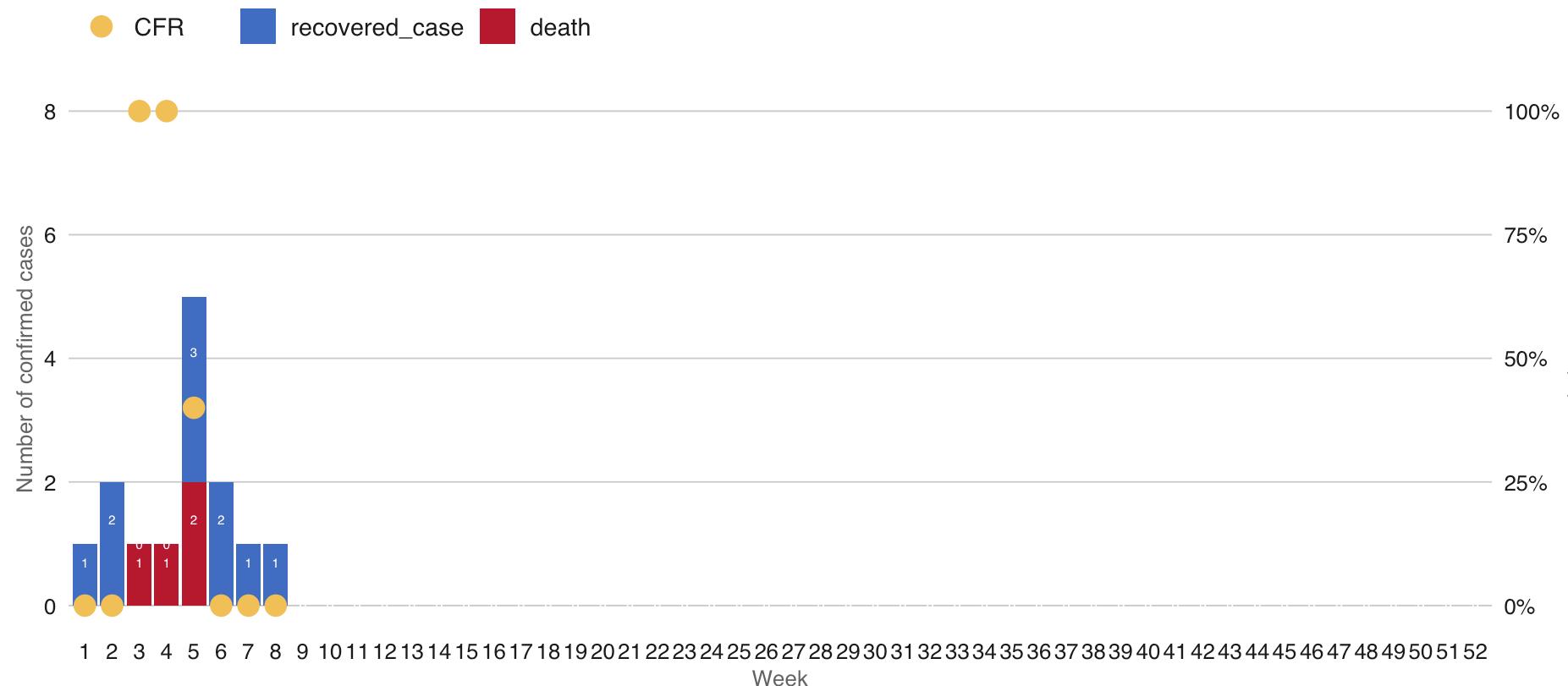
- As of week 8, 2025, Ebonyi State reported **270 confirmed cases** including **119 deaths** (CFR 44%).
- In 2025 only, Ebonyi State reported **15 confirmed cases** including **7 deaths** (CFR 47%).
- Compared to same period 2024, this represents a **50% decrease** in the number of confirmed cases and a **12% decrease** in CFR.

As of 2025, week 8

# LASSA FEVER IN KOGI STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Kogi, 2025



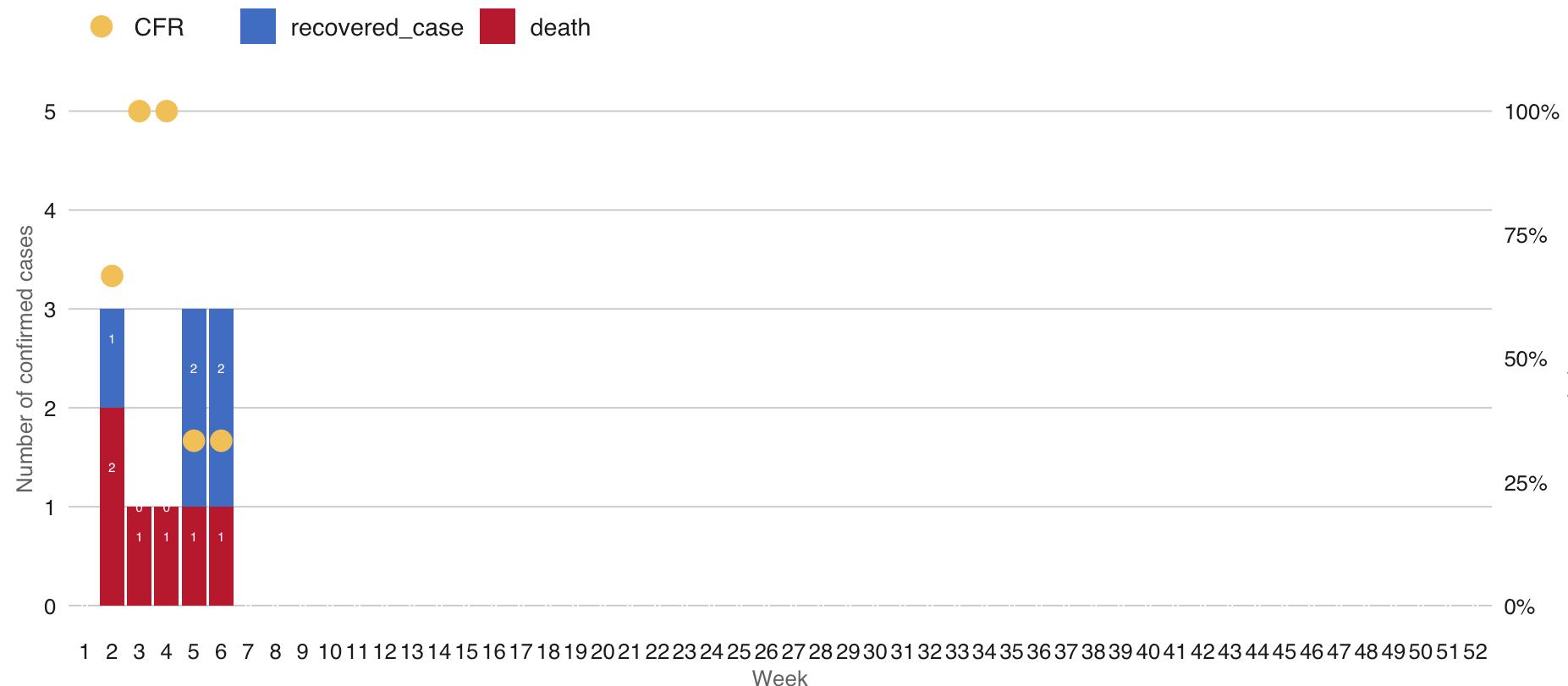
- As of week 8, 2025, Kogi State reported **154 confirmed cases** including **26 deaths** (CFR 17%).
- In 2025 only, Kogi State reported **14 confirmed cases** including **4 deaths** (CFR 29%).
- Compared to same period 2024, this represents a **26% decrease** in the number of confirmed cases and a **443% increase** in CFR.

As of 2025, week 8

# LASSA FEVER IN GOMBE STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Gombe, 2025



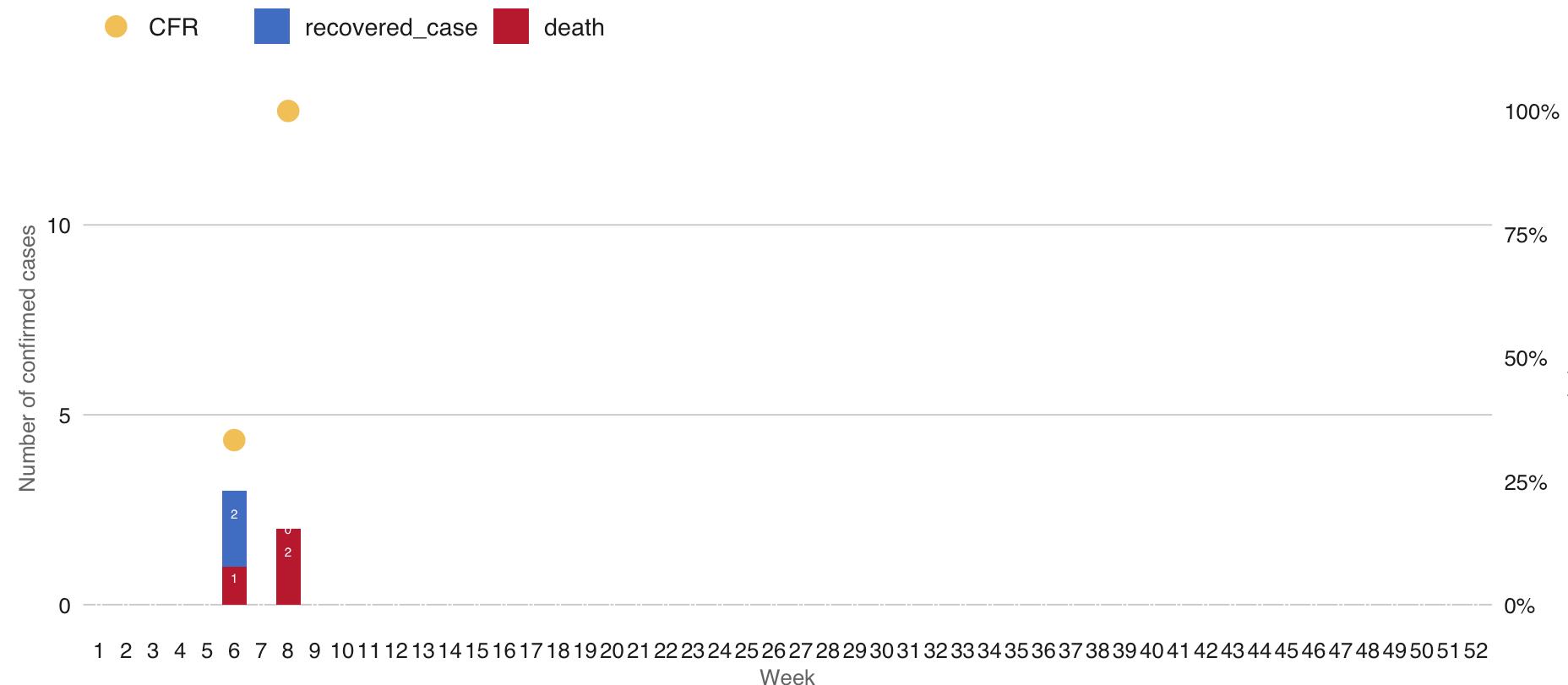
- As of week 8, 2025, Gombe State reported **59 confirmed cases** including **21 deaths** (CFR 36%).
- In 2025 only, Gombe State reported **11 confirmed cases** including **6 deaths** (CFR 55%).
- Compared to same period 2024, this represents a **267% increase** in the number of confirmed cases and a **64% increase** in CFR.

As of 2025, week 8

# LASSA FEVER IN BENUE STATE, 2020-2025

2025    2024    2023    2022    2021    2020

## Benue, 2025



As of 2025, week 8

- As of week 8, 2025, Benue State reported **166 confirmed cases** including **34 deaths** (CFR 20%).
- In 2025 only, Benue State reported **5 confirmed cases** including **3 deaths** (CFR 60%).
- Compared to same period 2024, this represents a **88% decrease** in the number of confirmed cases and a **260% increase** in CFR.

# THANK YOU

Any questions or suggestions? Contact us: [Anaïs Legand](#) and [Antoine Chaillon](#)