



OVERVIEW OF THE LASSA FEVER SITUATION IN NIGERIA

2020-2025



As of 2025, week 18

DISCLAIMER

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



Nigeria Center for Disease Control and Prevention

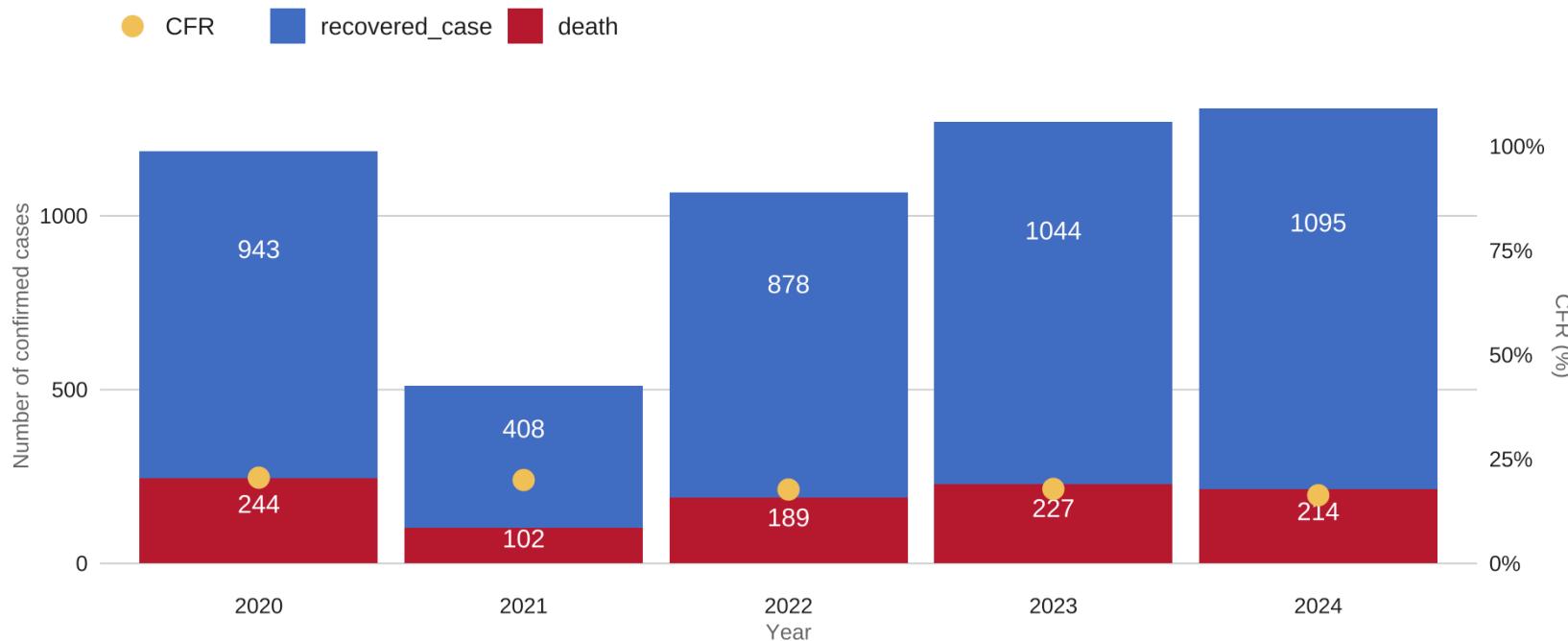
- More information: for a dynamic report of the Lassa fever situation in Nigeria , go to [🔗](#)

LASSA FEVER IN NIGERIA - DATA FROM 2020 TO 2024

As of 2025, week 18

THE OVERALL BURDEN OF LASSA FEVER IN NIGERIA

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



As of 2025, week 18

- 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**.

As of 2025, week 18

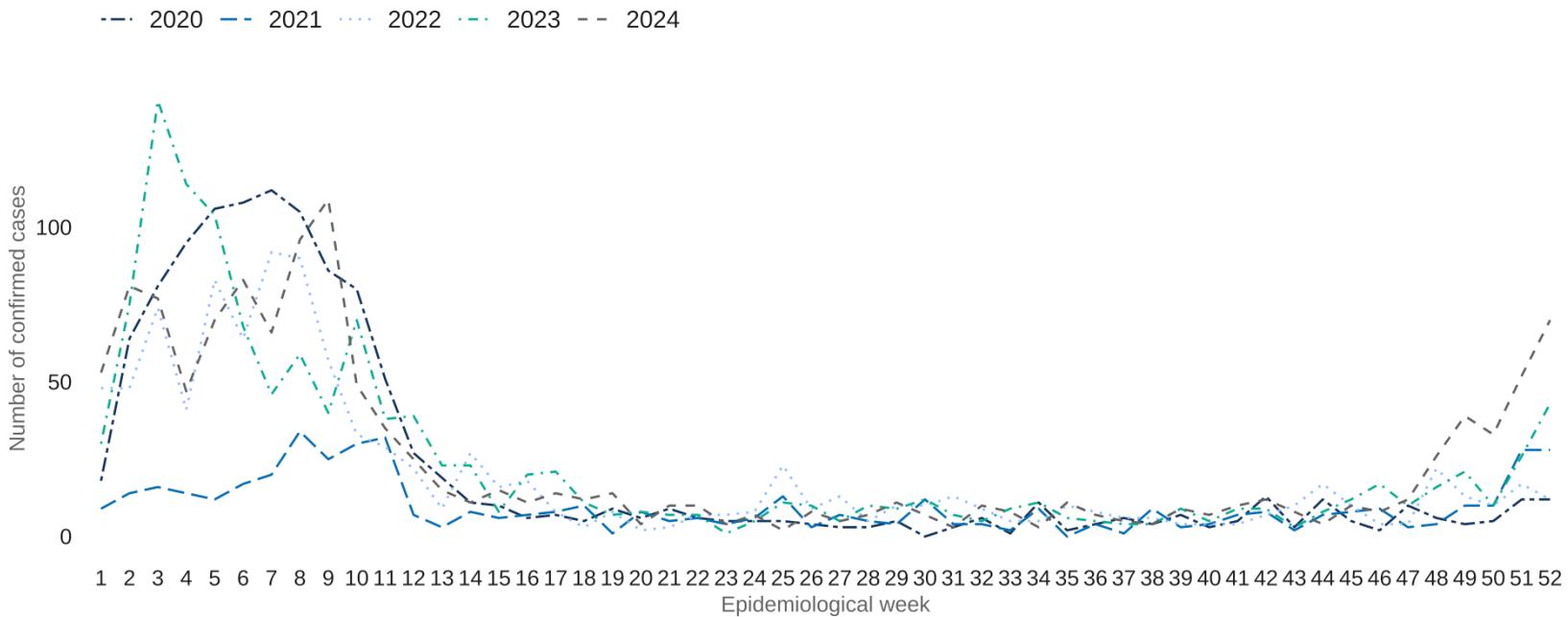


THE EFFECT OF SEASONALITY ON THE LASSA FEVER INCIDENCE

Confirmed cases

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

From 2020 to 2024



As of 2025, week 18

- 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.

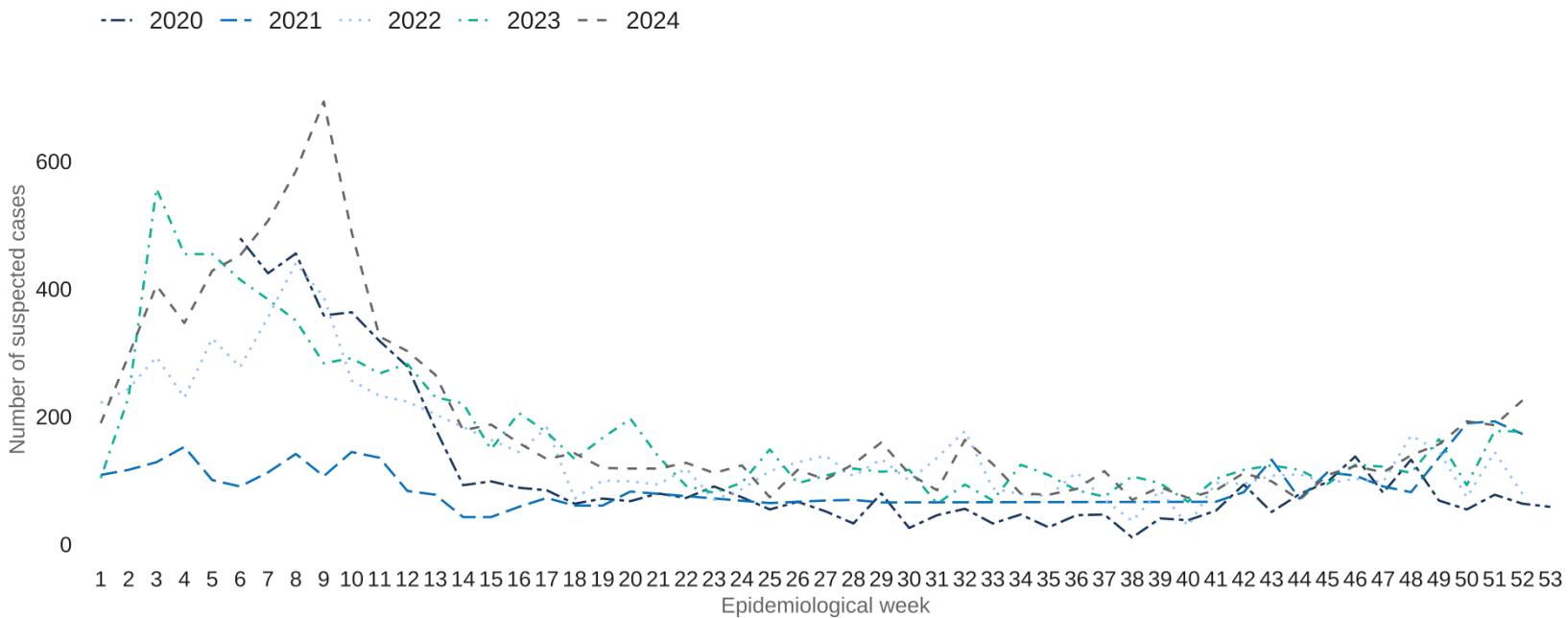
As of 2025, week 18

THE EFFECT OF SEASONALITY ON THE LASSA FEVER INCIDENCE

Suspected cases

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

From 2020 to 2024

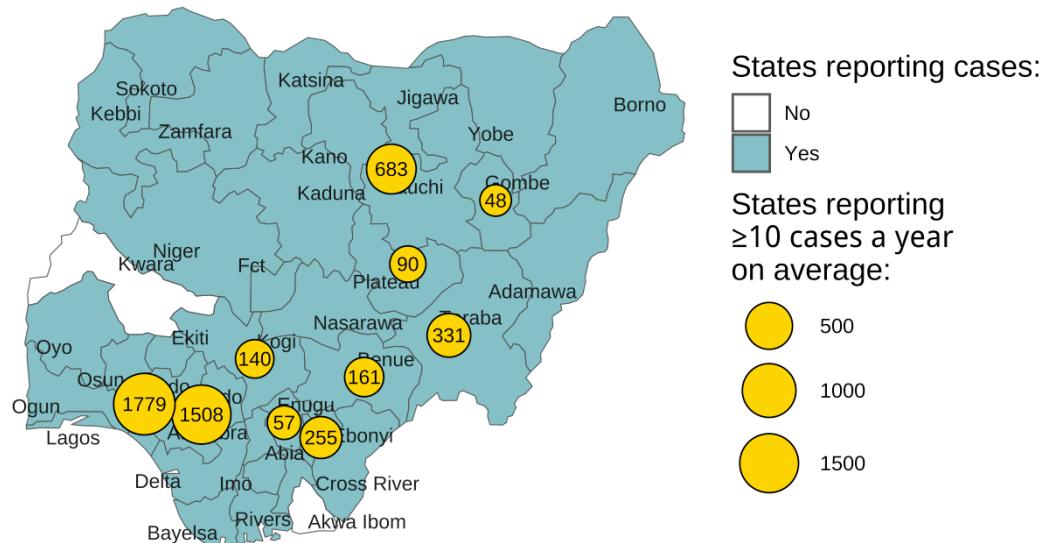


As of 2025, week 18

- 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.

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)

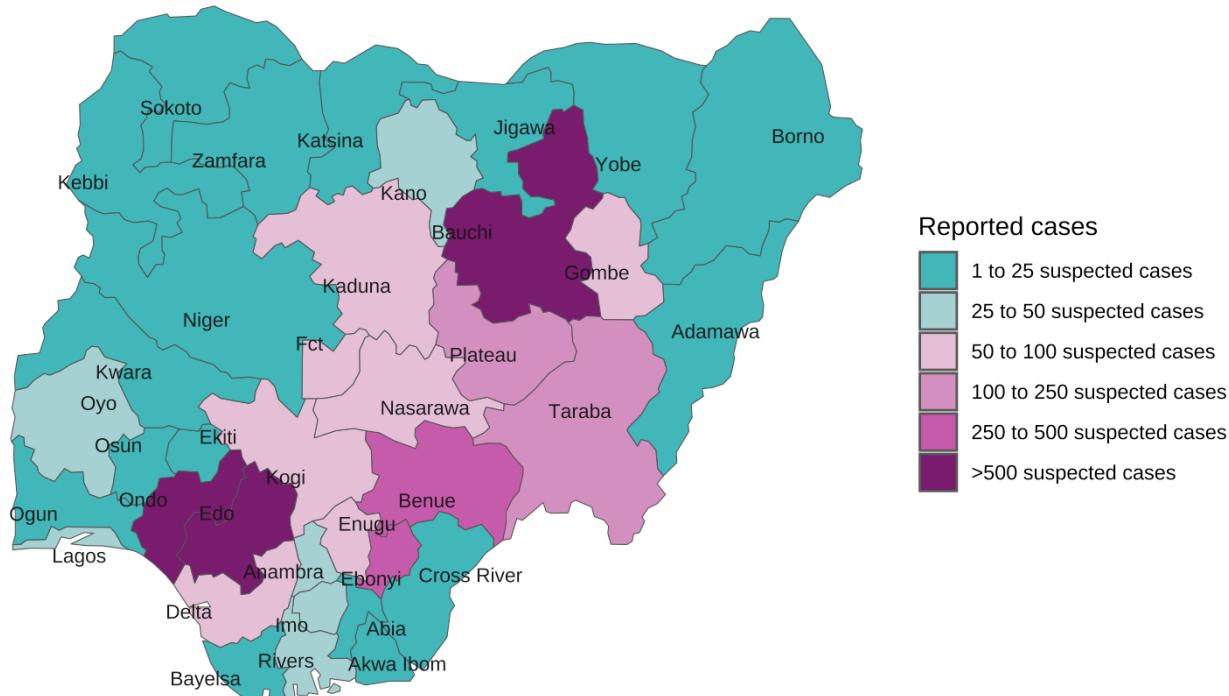
From January 2018 to December 2024, 75% of Lassa fever confirmed cases were from Ondo (33%), Edo (31%) and Bauchi (11%).

As of 2025, week 18

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

Suspected cases

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

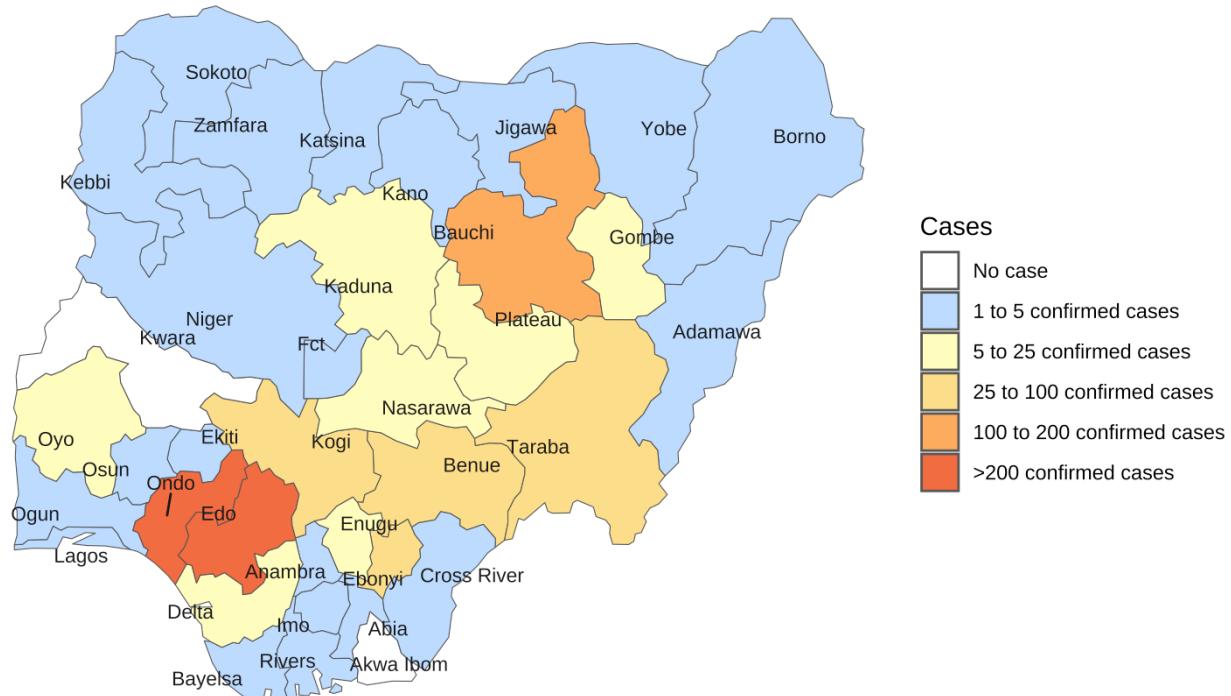


As of 2025, week 18

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

Confirmed cases

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

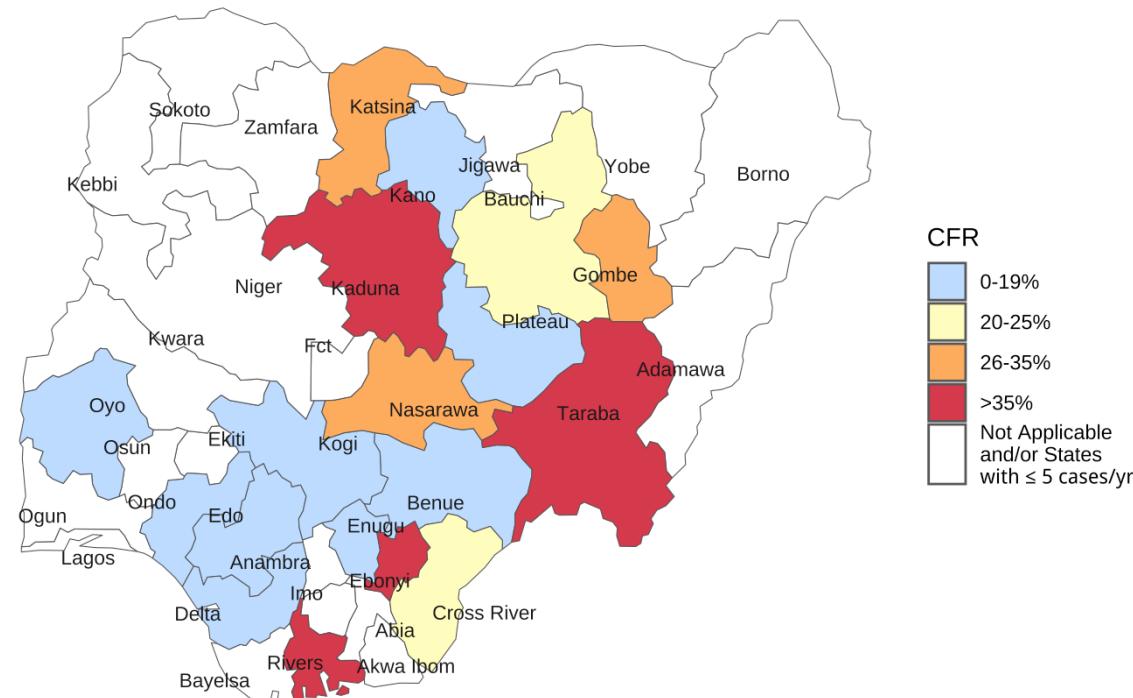


As of 2025, week 18

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

CFR

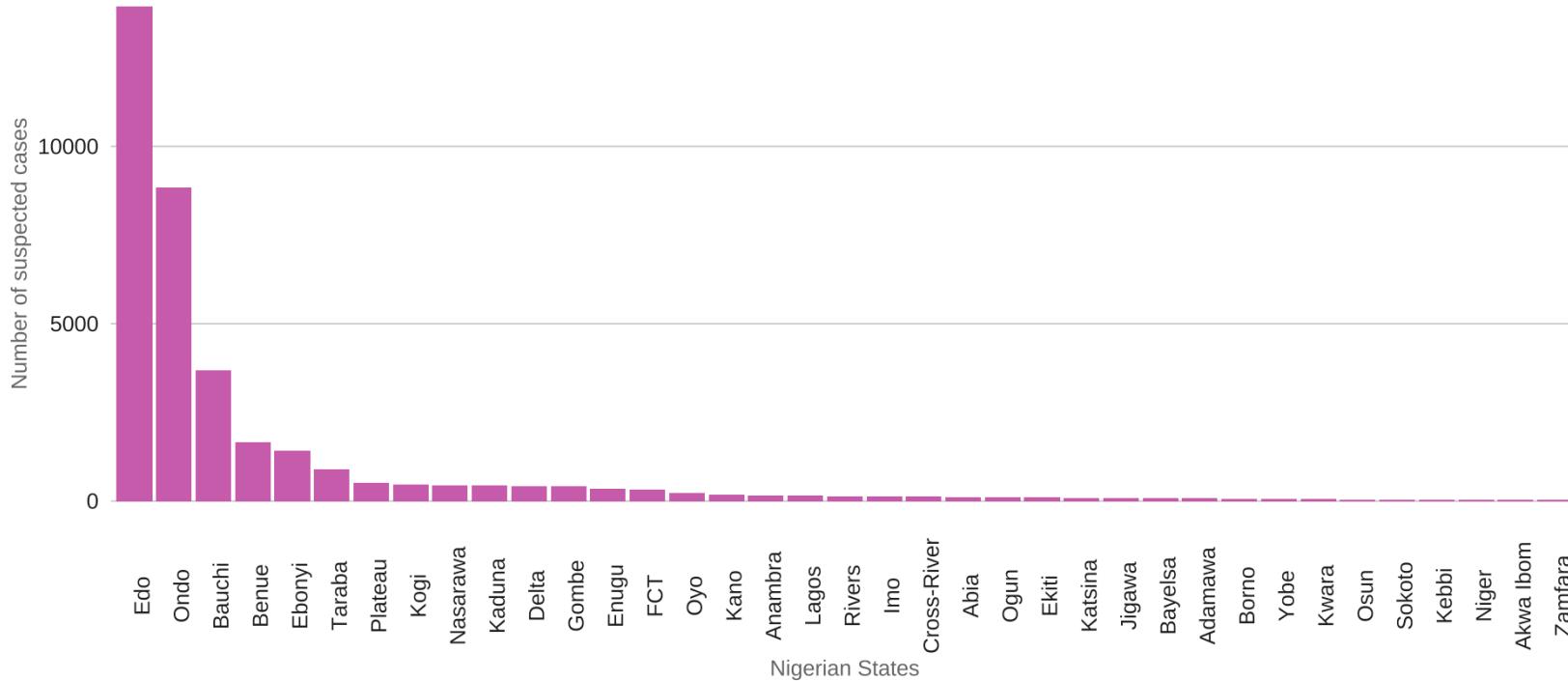
Case Fatality Ratio among Lassa fever cases reported per year
2020-2024 (average per year)



As of 2025, week 18

SUSPECTED CASES OF LASSA FEVER

Cumulative number of suspected Lassa fever cases in Nigeria by state, 2020-2024

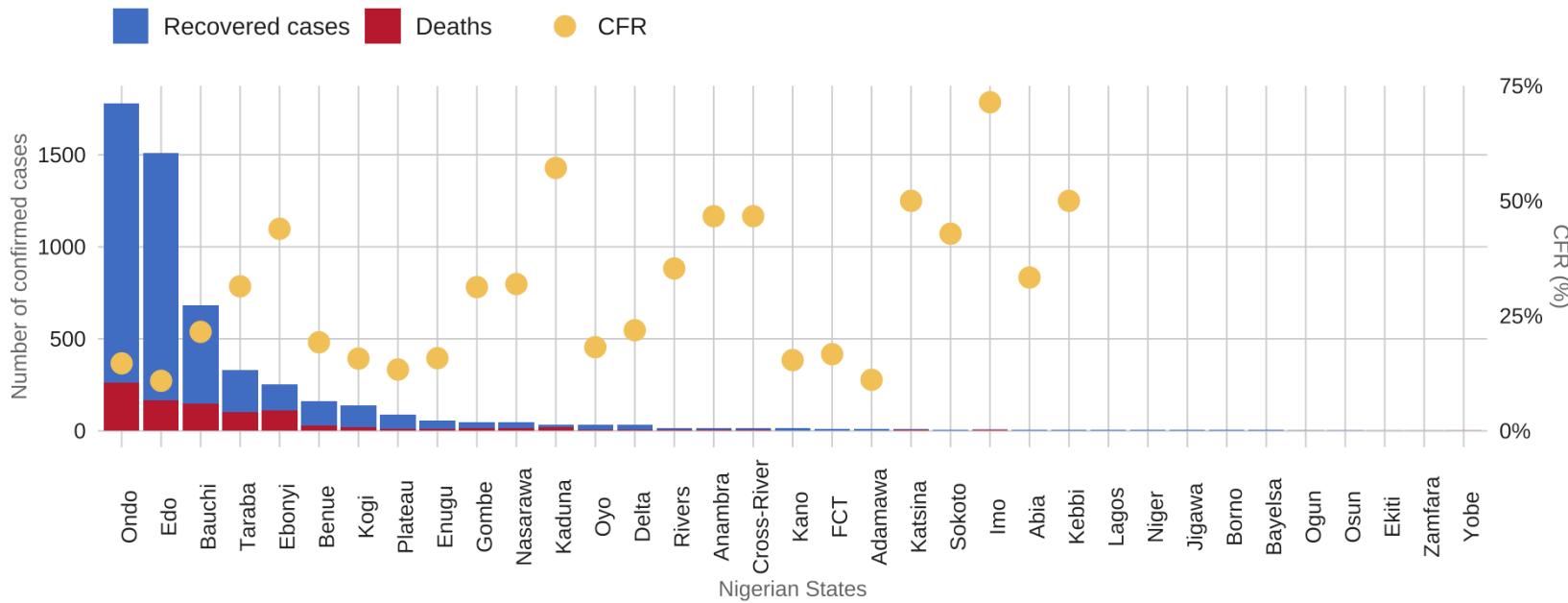


- From 2017-2024, a total of **36,022 suspected cases** were reported from **26** in Zamfara to **13,950** in **Edo**.

As of 2025, week 18

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



CFR presented if ≥5 confirmed cases reported.

As of 2025, week 18

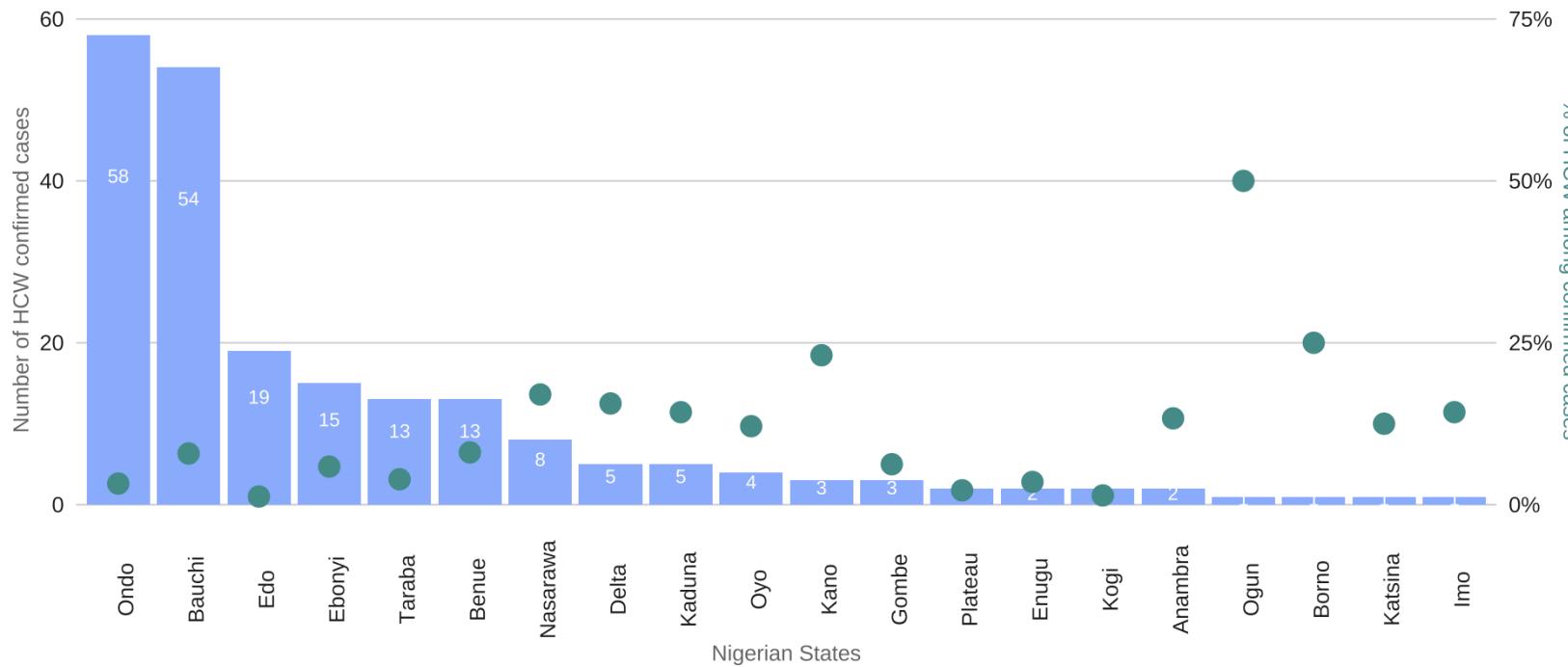
- From 2017-2024, CFR among all lab confirmed cases in Nigeria was **between 16-27%** and **decreased** over time.
- In 2024, overall **CFR for Nigeria was 16%** and differed greatly by individual State.
- The variation in CFR is likely due to late patient presentation and differences in case management, highlighting the need for improvement.

As of 2025, week 18



LASSA FEVER INFECTIONS AMONG HEALTHCARE WORKERS

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



As of 2025, week 18

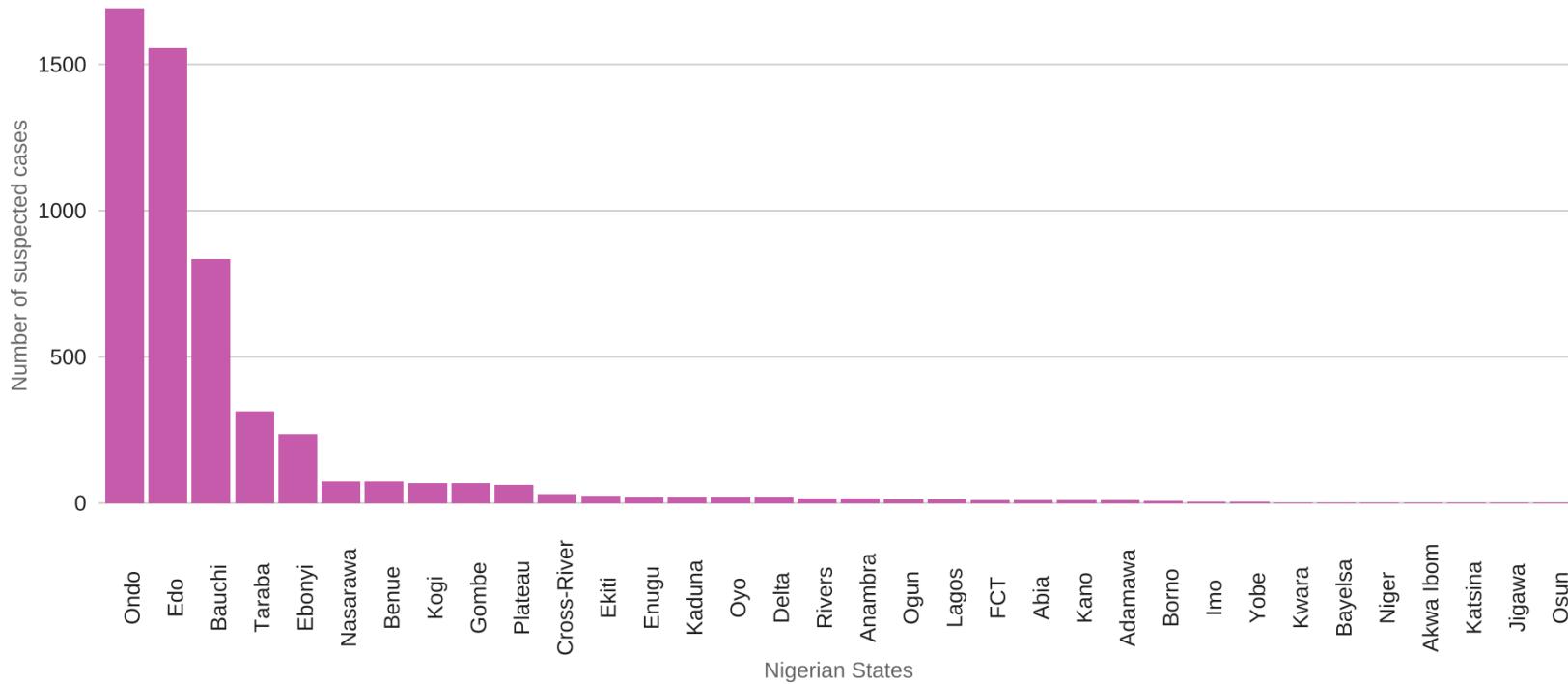
- From 2020-2024, a total of **212 healthcare workers (HCW)** were reported among confirmed cases, that is **4% of Lassa fever cases**.
- From 2020-2024, **60% of all HCW infections were from Ondo (26%), Bauchi (20%), Edo (15%) States** where 75% of all Lassa fever patients were being cared for. 12%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

LASSA FEVER IN 2025 - DATA FROM EPI-WEEK 1 TO EPI-WEEK 21

As of 2025, week 18

SUSPECTED CASES OF LASSA FEVER IN 2025

Cumulative number of suspected Lassa fever cases in Nigeria by state, 2025

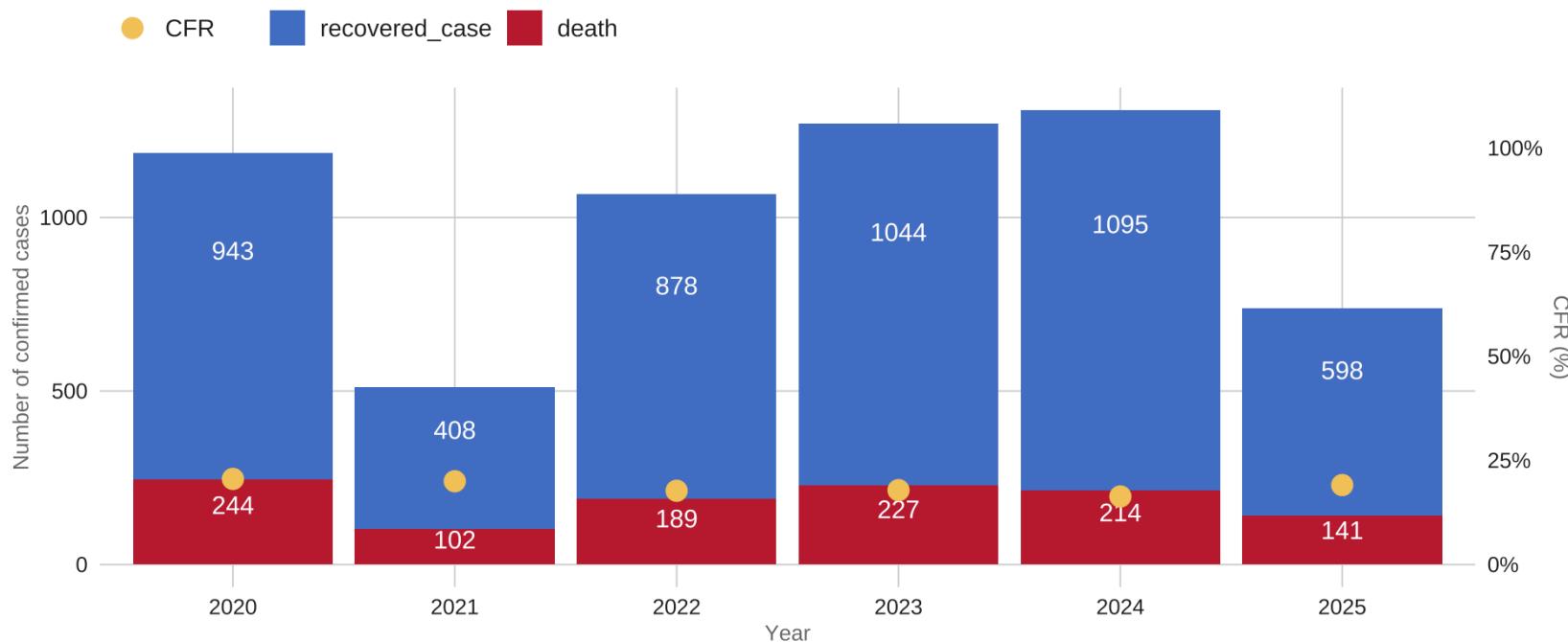


- In 2025, a total of **5,248 suspected cases** were reported from 1 in Jigawa, Osun to **1,692** in Ondo.

As of 2025, week 18

CUMULATIVE NUMBER OF CONFIRMED LASSA FEVER CASES IN 2025

Cumulative number of confirmed Lassa fever cases and deaths with case fatality ratio (CFR) in Nigeria by year, 2020-2025, epiweek 21



As of 2025, week 18

- 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**.

As of 2025, week 18

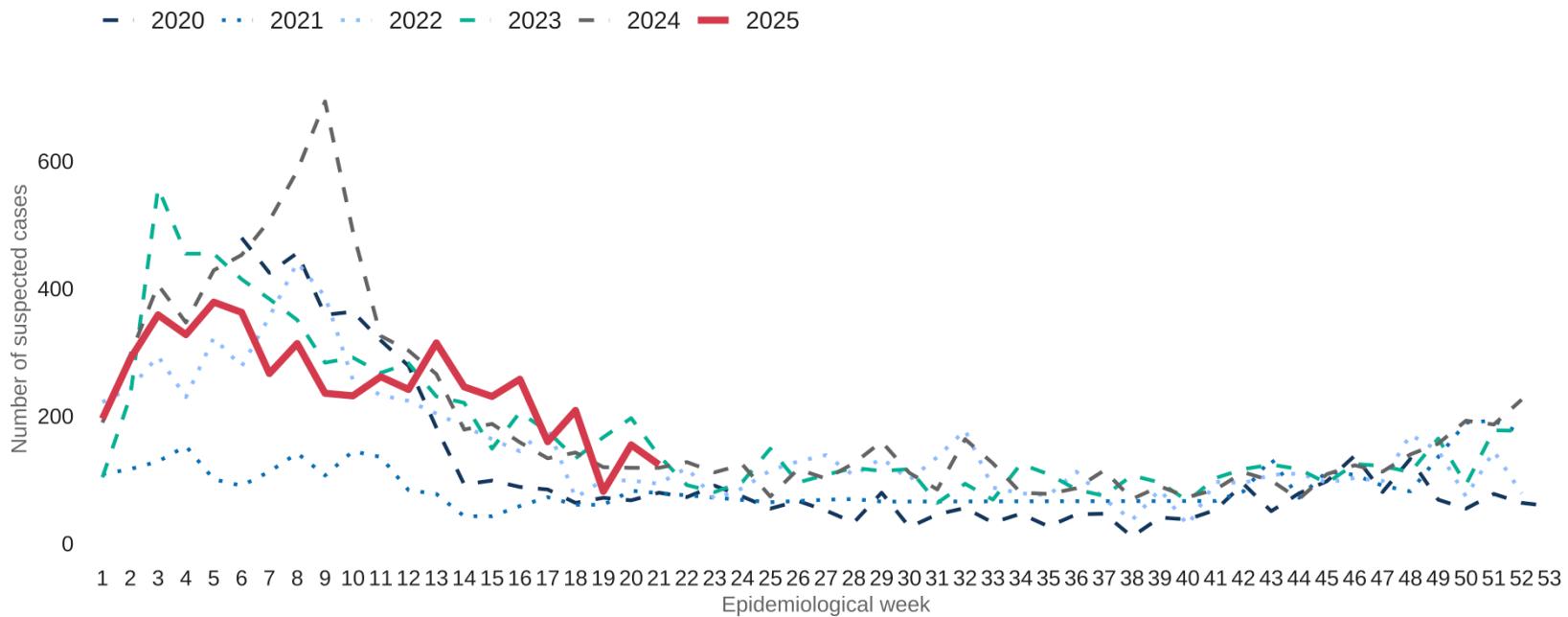


SEASONALITY OF LASA FEVER

Suspected cases

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

From 2020 to 2025, epiweek 21



As of 2025, week 18

- In 2025, similar trend as per previous years confirming a seasonal effect on Lassa fever incidence.
- Compared to 2024, **19% decrease** in the cumulative number of suspected cases reported.

As of 2025, week 18

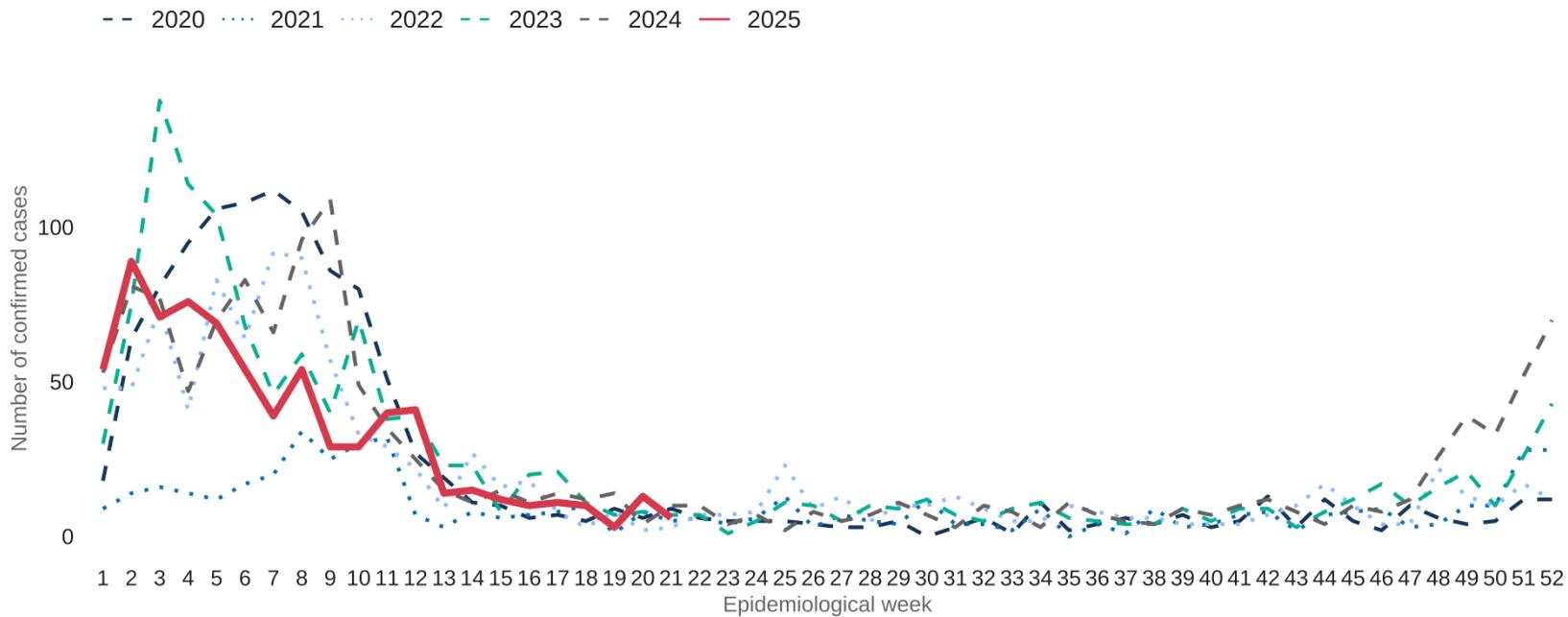


SEASONALITY OF LASSA FEVER

Confirmed cases

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

From 2020 to 2025, epiweek 21



As of 2025, week 18

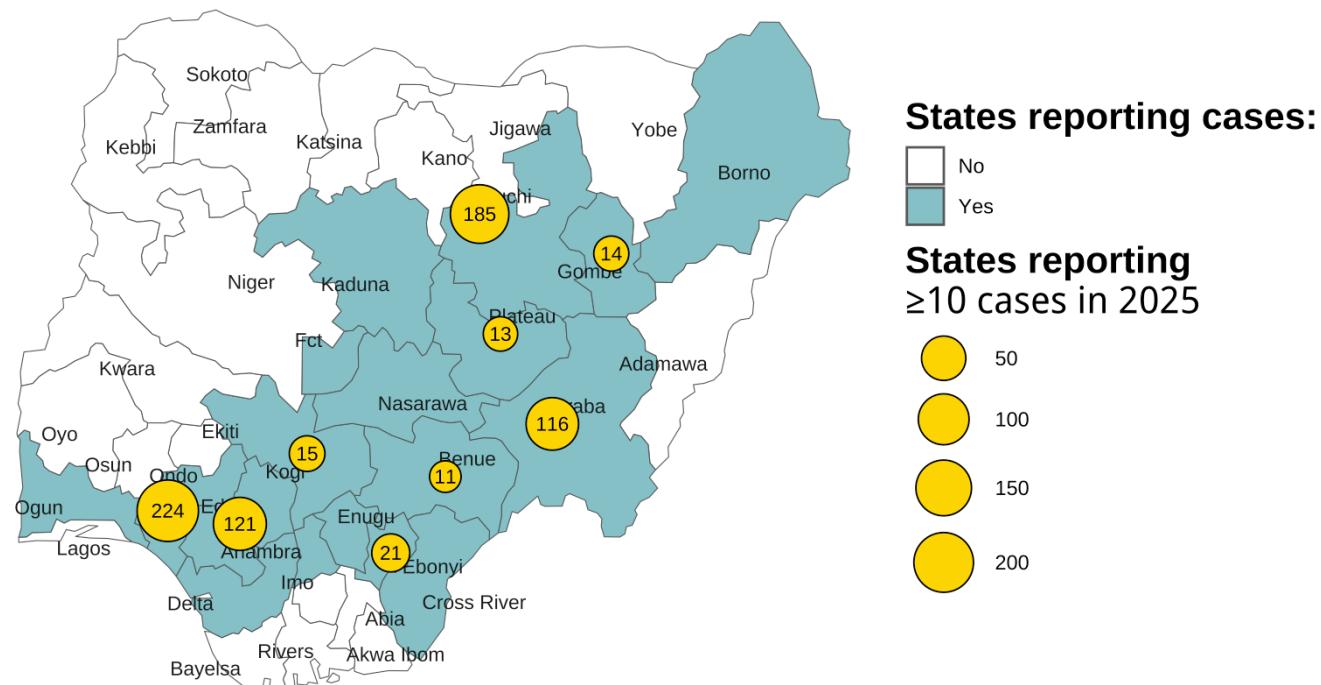
- In 2025, similar trend as per previous years confirming a seasonal effect on Lassa fever incidence.
- Compared to 2024, **18% decrease** in the cumulative number of **confirmed cases** reported.

As of 2025, week 18



STATES REPORTING LASSA FEVER CONFIRMED CASES IN 2025

Lassa fever outbreak 2025, as of epi-week 21



source: Nigeria Center for Disease Control (NCDC)

As of 2025, week 18

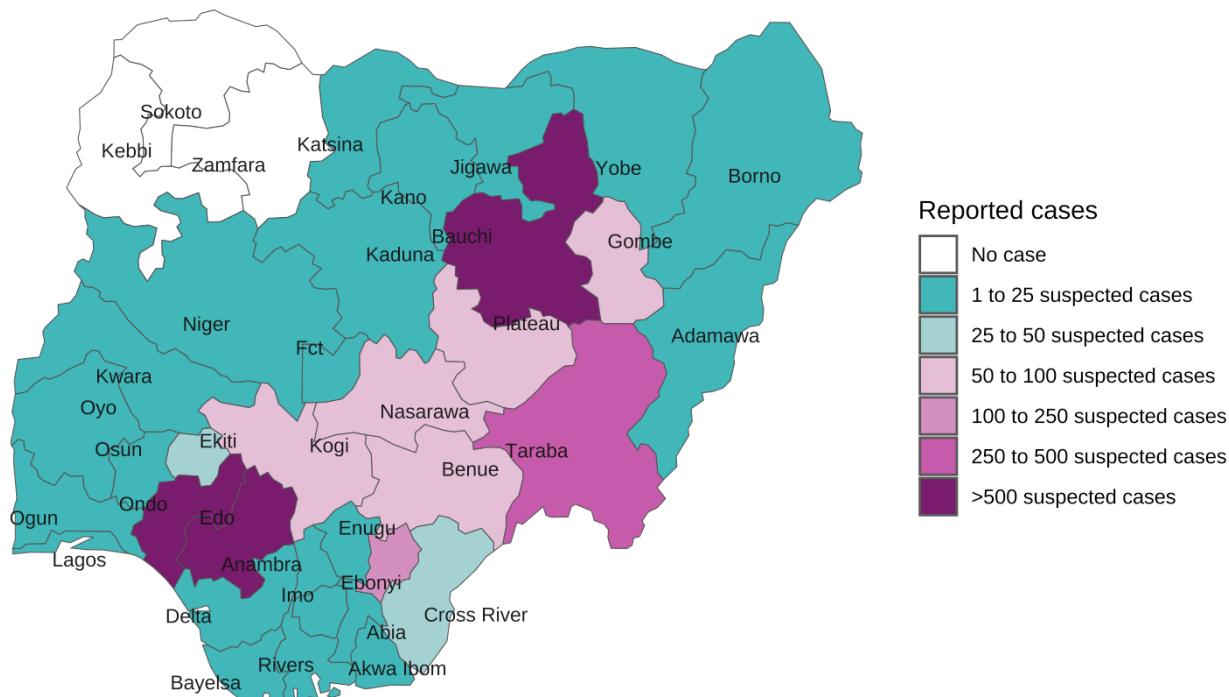
- In 2025, as of epi week 21, 87% of LF cases are from **Ondo** (30%), **Bauchi** (25%), **Edo** (16%), and **Taraba** (16%) States.
- Total confirmed cases: **739**
- Deaths from Confirmed Cases: **141**
- Case Fatality Ratio: **19%**
- Number of Health Care Workers: **22**

As of 2025, week 18

LASSA FEVER SUSPECTED CASES, CONFIRMED CASES AND CFR BY STATE IN 2025

Suspected cases

Lassa fever suspected cases reported per year
2025, as of epiweek 21

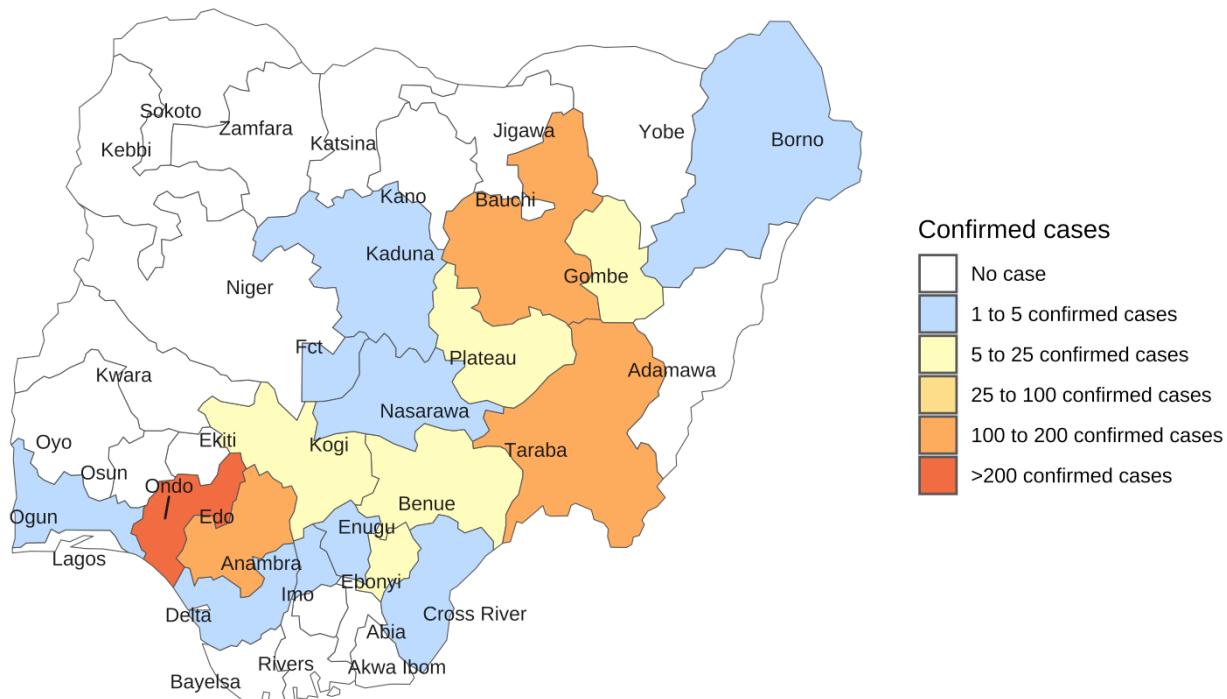


As of 2025, week 18

LASSA FEVER SUSPECTED CASES, CONFIRMED CASES AND CFR BY STATE IN 2025

Confirmed cases

Lassa fever confirmed cases reported
2025, as of epiweek 21

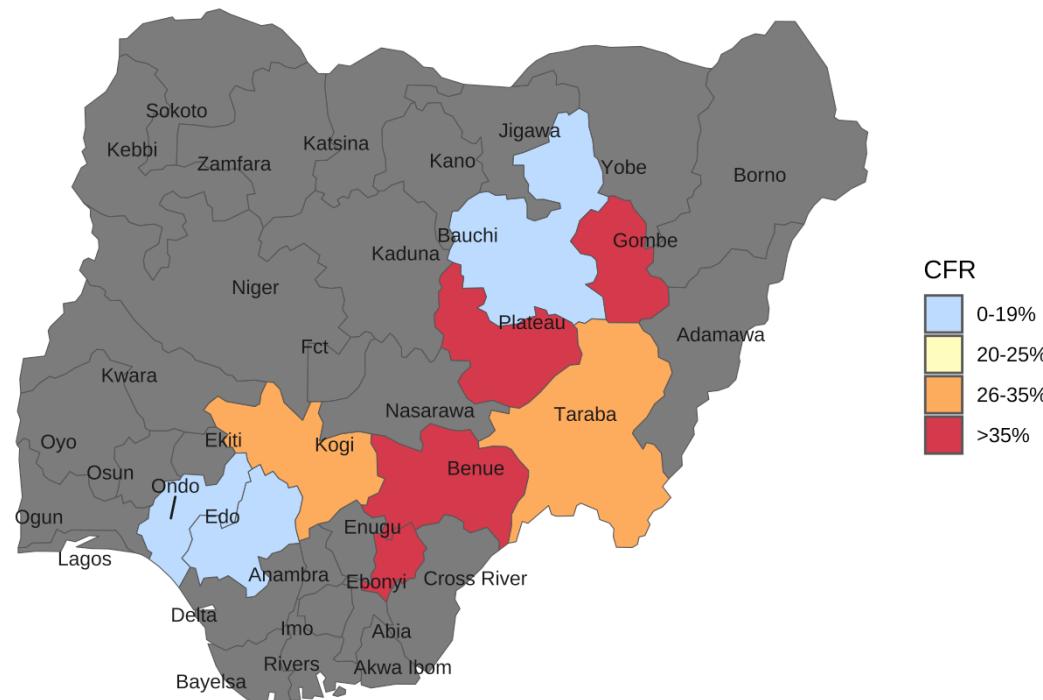


As of 2025, week 18

LASSA FEVER SUSPECTED CASES, CONFIRMED CASES AND CFR BY STATE IN 2025

CFR

Case Fatality Ratio among Lassa fever cases reported
2025, as of epiweek 21

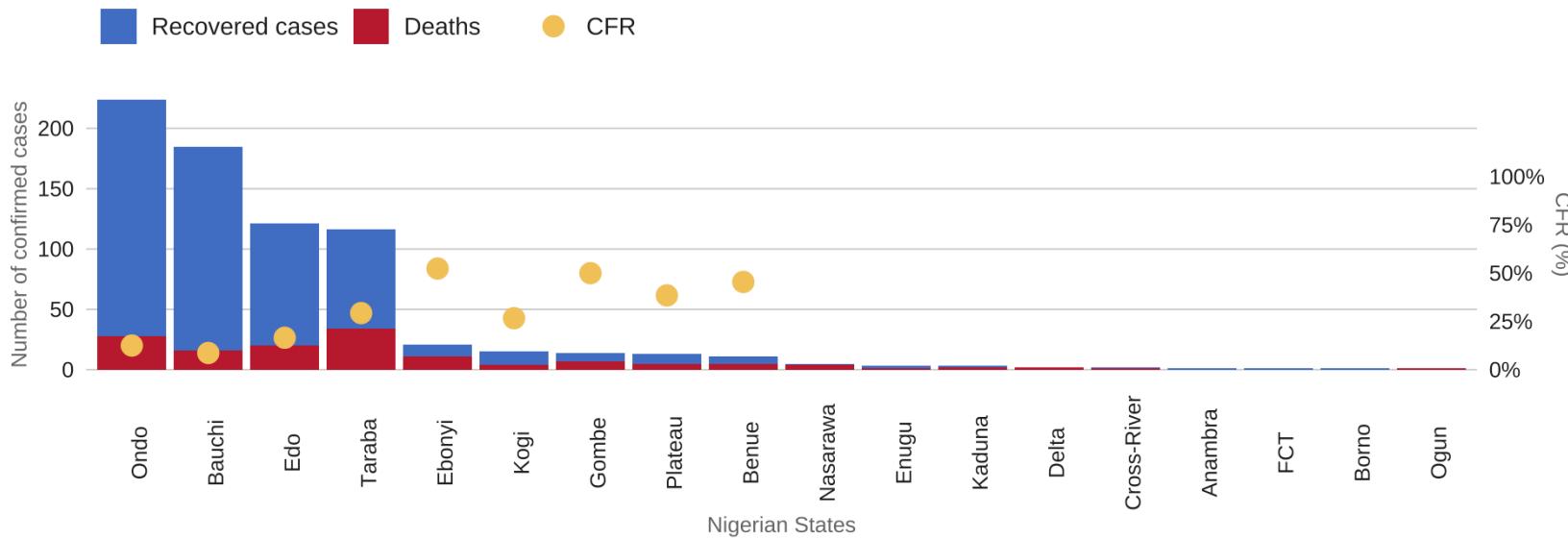


As of 2025, week 18

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 21



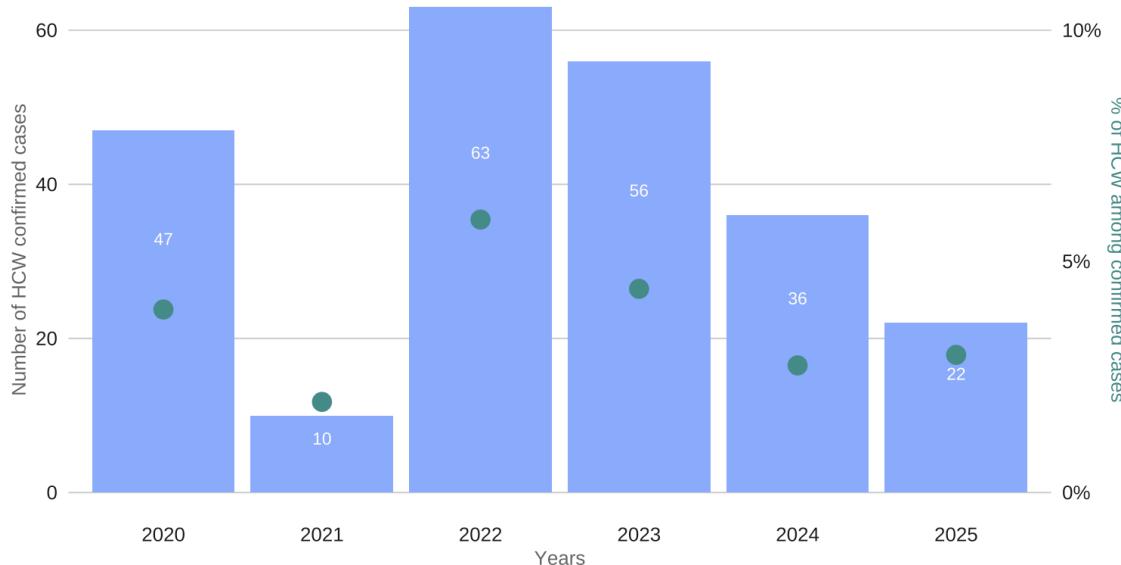
CFR presented if ≥5 confirmed cases reported.

As of 2025, week 18

- As of epi week 21 2025, cumulatively **739 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 **19% 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.
 - **28 States** had reported at least one confirmed case versus **18 States** in 2025 to date.

HEALTH CARE WORKER INFECTIONS 2020-2025 EPIWEEK 21

Number and % of confirmed cases among HCW (n=234) by state, 2020-2025



- As of epi week 21 of 2025, there has been **22 healthcare workers** infected, that is **3% of confirmed cases**.

- Top 5 states:**
 - 8 HCW infections in **Ondo**
 - 4 HCW infections in **Bauchi**
 - 3 HCW infections in **Taraba**
 - 2 HCW infections in **Edo**
 - 2 HCW infections in **Gombe**.

As of 2025, week 18

LASSA FEVER IN MOST AFFECTED STATES - DATA FROM 2020 TO 2025 (AS OF EPI-WEEK 21)

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Ondo as of week 21:

Years	Suspected cases	Confirmed cases	Deaths	CFR
2025	1692	224	28	12%
2024	1410	226	16	7%
2023	1578	308	33	11%
2022	813	219	40	18%
2021	375	84	24	29%
2020	645	332	52	16%

Source: NCDC

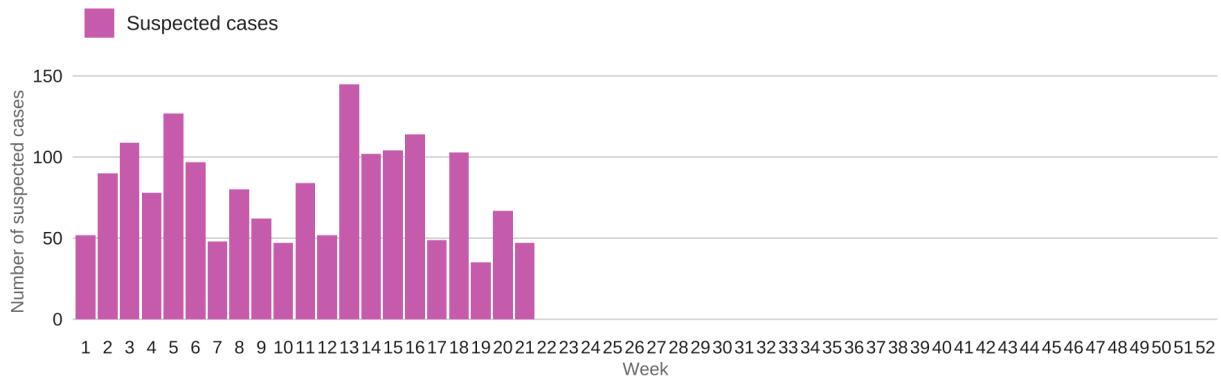
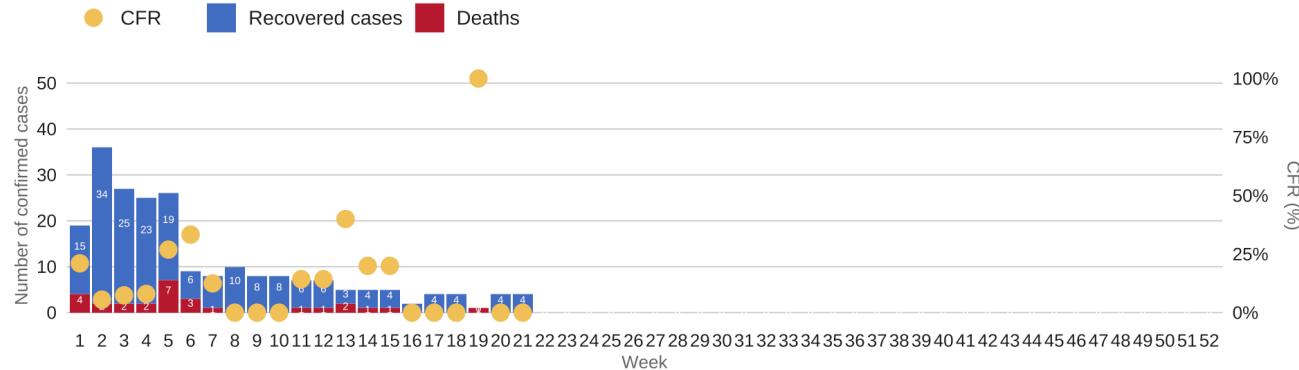
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

2025

As of 2025, week 18



- In 2025 only, Ondo State reported **224 confirmed cases** including **28 deaths** (CFR 12%).
- Compared to same period 2024, this represents:
 - **20% increase** in the number of suspected cases.
 - **1% decrease** in the

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

2021

As of 2025, week 18

LASSA FEVER IN ONDO STATE, 2020-2025

2020

As of 2025, week 18



LASSA FEVER IN BAUCHI STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Bauchi as of week 21:

Years	Suspected cases	Confirmed cases	Deaths	CFR
2025	835	185	16	9%
2024	781	157	29	18%
2023	697	106	20	19%
2022	677	115	12	10%
2021	61	10	2	20%
2020	282	44	20	45%

Source: NCDC

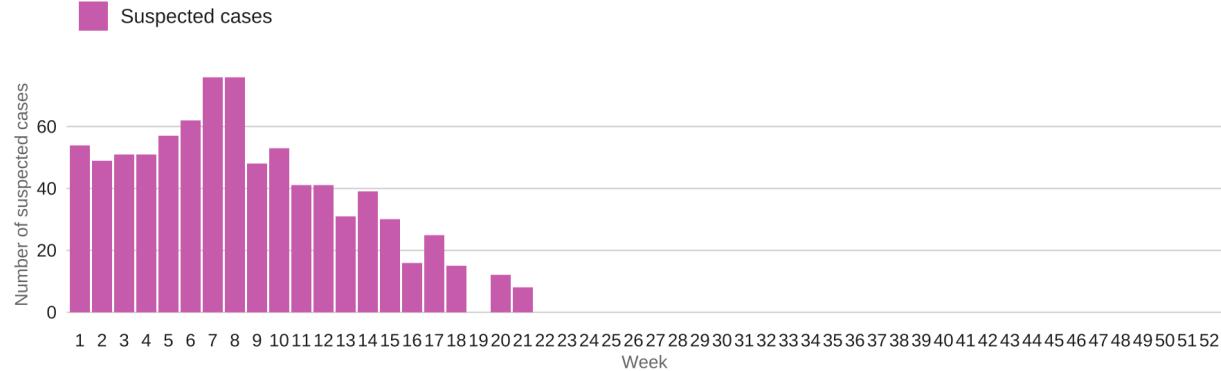
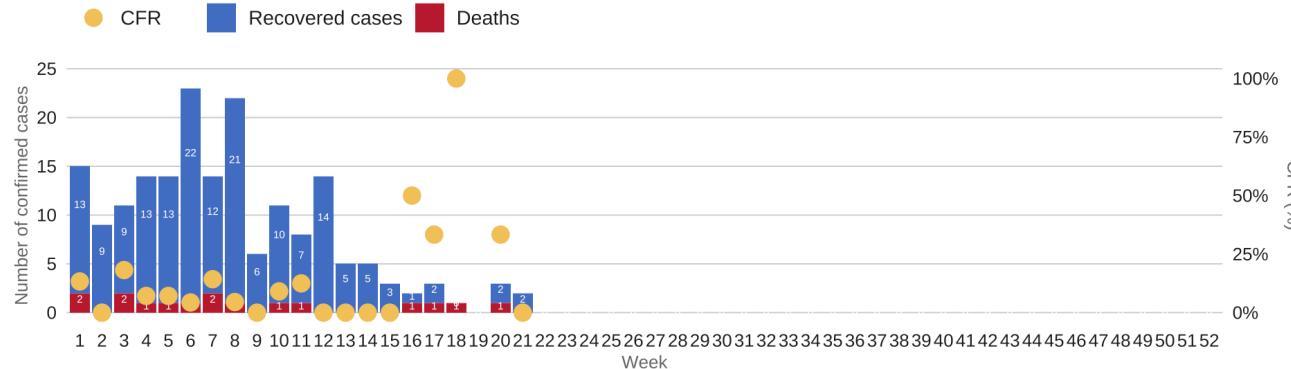
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN BAUCHI STATE, 2020-2025

2025

As of 2025, week 18



As of 2025, week 18

- In 2025 only, Bauchi State reported **185 confirmed cases** including **16 deaths** (CFR 9%).

- Compared to same period 2024, this represents:

- **7% increase** in the number of suspected cases.

- **18% increase** in the number

LASSA FEVER IN BAUCHI STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN BAUCHI STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN BAUCHI STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN BAUCHI STATE, 2020-2025

2021

As of 2025, week 18

LASSA FEVER IN BAUCHI STATE, 2020-2025

2020

As of 2025, week 18

LASSA FEVER IN EDO STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Edo as of week 21:

Years	Suspected cases	Confirmed cases	Deaths	CFR
2025	1556	121	20	17%
2024	1669	196	26	13%
2023	2106	274	35	13%
2022	1558	193	27	14%
2021	1137	125	14	11%
2020	1305	328	39	12%

Source: NCDC

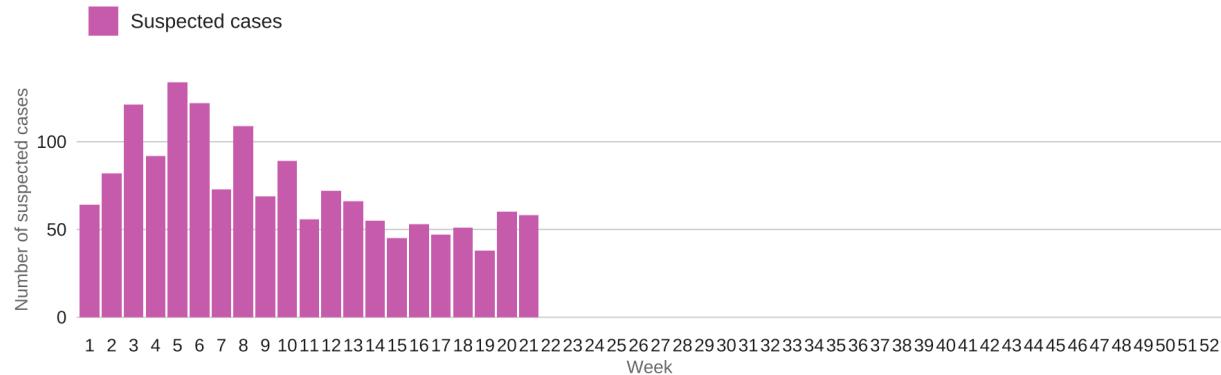
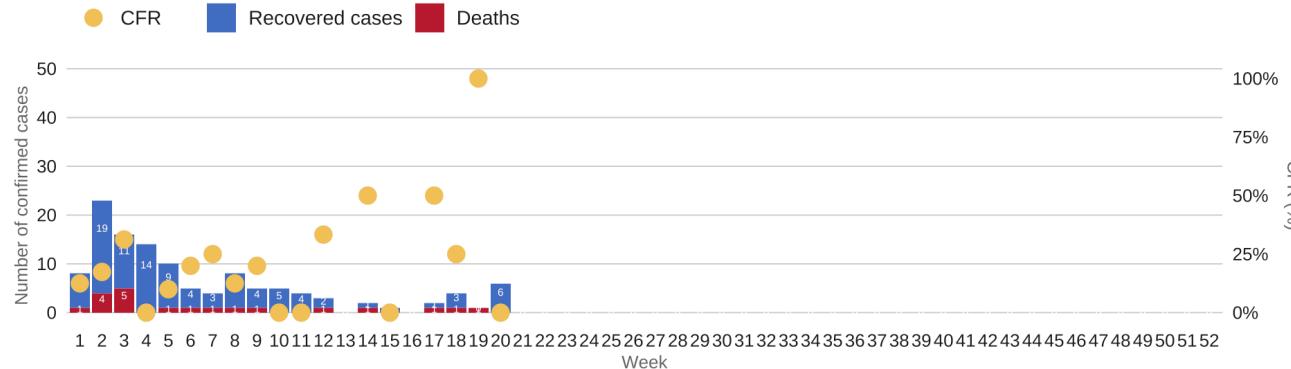
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN EDO STATE, 2020-2025

2025

As of 2025, week 18



As of 2025, week 18

- In 2025 only, Edo State reported **121 confirmed cases** including **20 deaths** (CFR 17%).

- Compared to same period 2024, this represents:

- **7% decrease** in the number of suspected cases.

- **38% decrease** in the number

LASSA FEVER IN EDO STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN EDO STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN EDO STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN EDO STATE, 2020-2025

2021

As of 2025, week 18



LASSA FEVER IN EDO STATE, 2020-2025

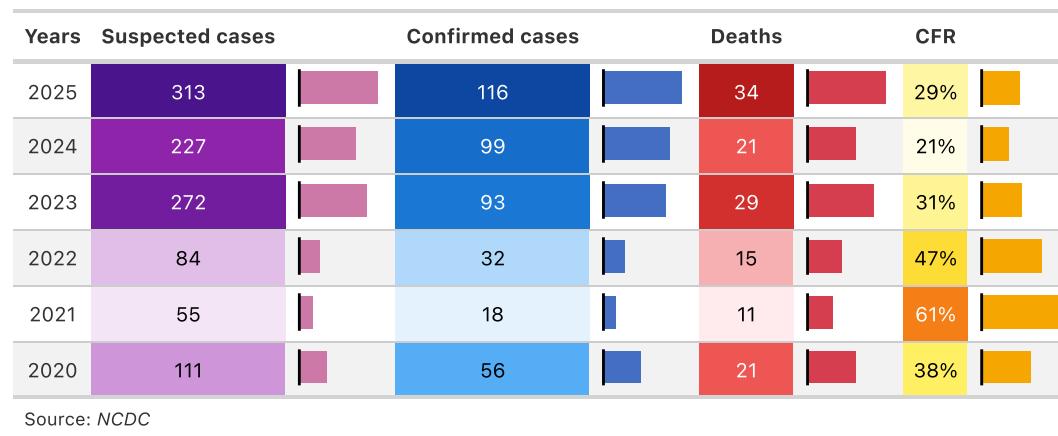
2020

As of 2025, week 18

LASSA FEVER IN TARABA STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Taraba as of week 21:



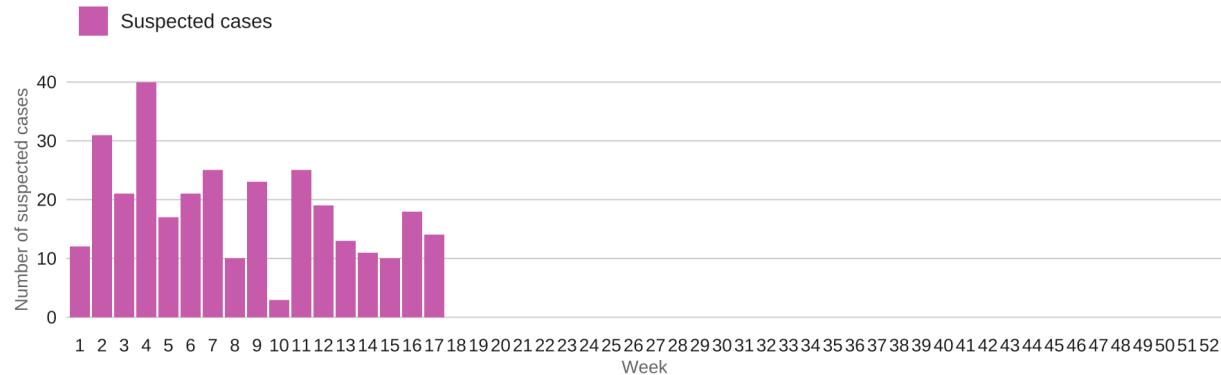
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN TARABA STATE, 2020-2025

2025

As of 2025, week 18



As of 2025, week 18

- In 2025 only, Taraba State reported **116 confirmed cases** including **34 deaths** (CFR 29%).

- Compared to same period 2024, this represents:

■ **38% increase in the number of suspected cases.**

■ **17% increase in the number of confirmed cases.**

LASSA FEVER IN TARABA STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN TARABA STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN TARABA STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN TARABA STATE, 2020-2025

2021

As of 2025, week 18

LASSA FEVER IN TARABA STATE, 2020-2025

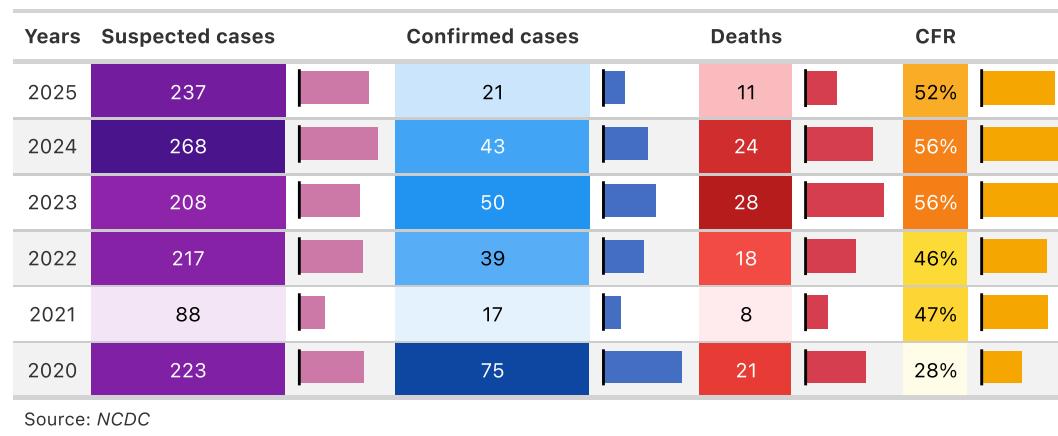
2020

As of 2025, week 18

LASSA FEVER IN EBONYI STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Ebonyi as of week 21:



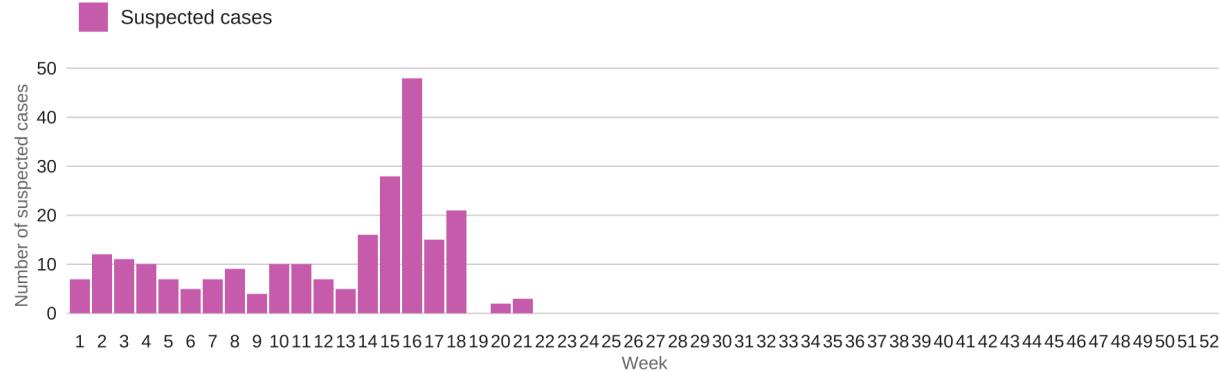
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN EBONYI STATE, 2020-2025

2025

As of 2025, week 18



As of 2025, week 18

- In 2025 only, Ebonyi State reported **21 confirmed cases** including **11 deaths** (CFR 52%).

- Compared to same period 2024, this represents:
 - **12% decrease in the number of suspected cases.**
 - **51% decrease in the number of confirmed cases.**

LASSA FEVER IN EBONYI STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN EBONYI STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN EBONYI STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN EBONYI STATE, 2020-2025

2021

As of 2025, week 18

LASSA FEVER IN EBONYI STATE, 2020-2025

2020

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Kogi as of week 21:

Years	Suspected cases	Confirmed cases	Deaths	CFR
2025	69	15	4	27%
2024	119	29	3	10%
2023	39	11	1	9%
2022	116	44	7	16%
2021	7	2	0	0%
2020	91	38	8	21%

Source: NCDC

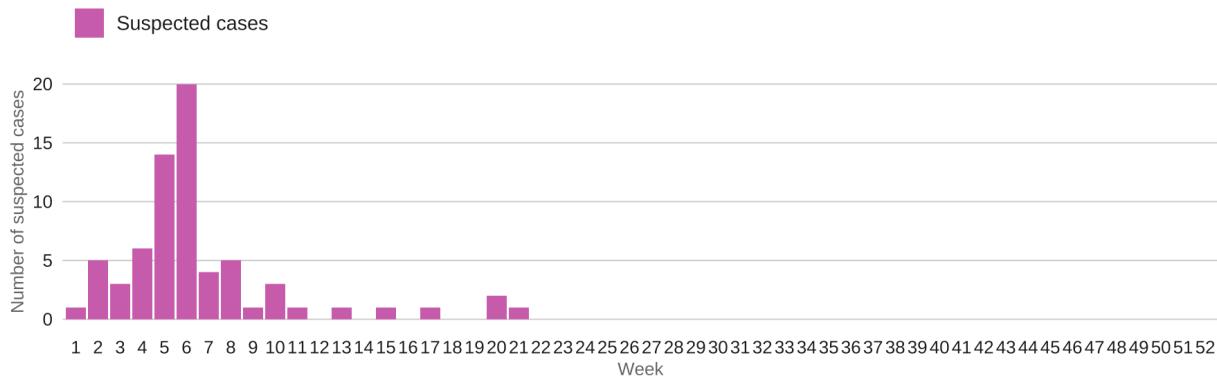
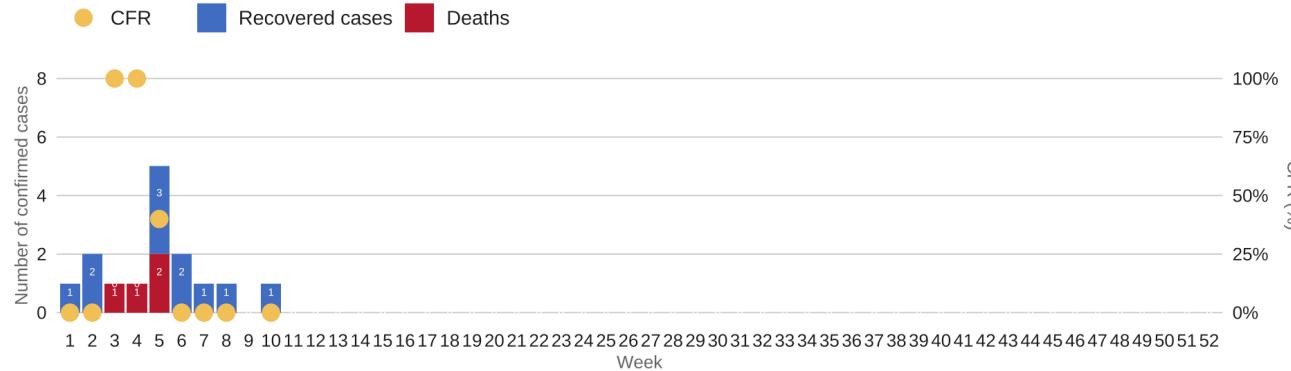
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

2025

As of 2025, week 18



- In 2025 only, Kogi State reported **15 confirmed cases** including **4 deaths** (CFR 27%).

- Compared to same period 2024, this represents:

■ **42%** decrease in the number of suspected cases.

■ **48%** decrease in the number

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

2021

As of 2025, week 18

LASSA FEVER IN KOGI STATE, 2020-2025

2020

As of 2025, week 18

LASSA FEVER IN GOMBE STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Gombe as of week 21:

Years	Suspected cases	Confirmed cases	Deaths	CFR
2025	69	14	7	50%
2024	29	4	2	50%
2023	38	8	2	25%
2022	189	20	8	40%
2021	6	0	0	-
2020	34	9	2	22%

Source: NCDC

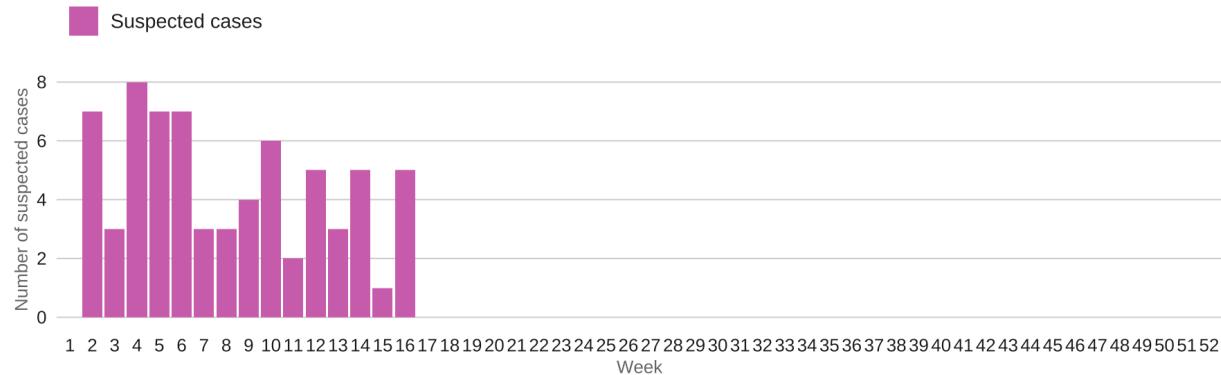
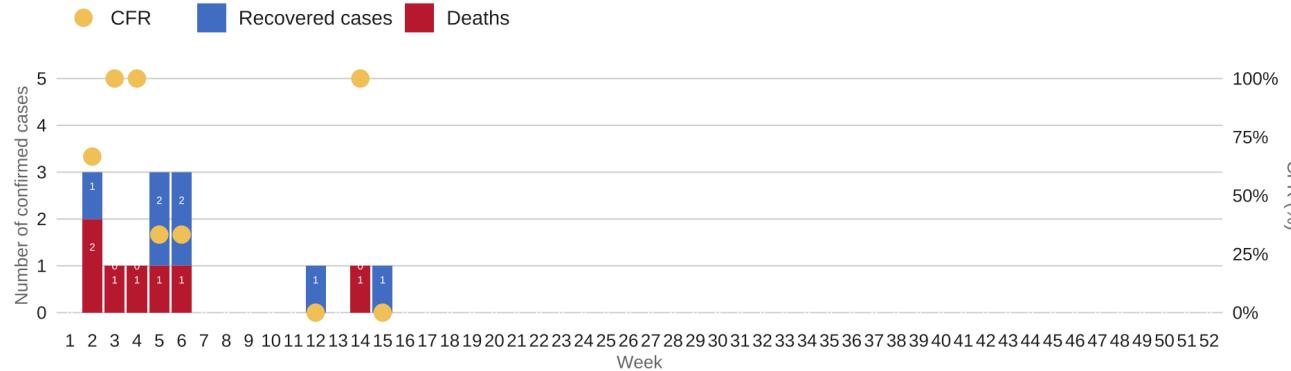
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN GOMBE STATE, 2020-2025

2025

As of 2025, week 18



As of 2025, week 18

- In 2025 only, Gombe State reported **14 confirmed cases** including **7 deaths** (CFR 50%).
- Compared to same period 2024, this represents:
 - **138% increase in the number of suspected cases.**
 - **250% increase in the number of confirmed cases.**

LASSA FEVER IN GOMBE STATE, 2020-2025

2024

As of 2025, week 18

LASSA FEVER IN GOMBE STATE, 2020-2025

2023

As of 2025, week 18

LASSA FEVER IN GOMBE STATE, 2020-2025

2022

As of 2025, week 18

LASSA FEVER IN GOMBE STATE, 2020-2025

2021

As of 2025, week 18

LASSA FEVER IN GOMBE STATE, 2020-2025

2020

As of 2025, week 18

LASSA FEVER IN BENUE STATE, 2020-2025

Overview

- Below is an overview of Lassa fever suspected cases, confirmed cases, deaths and average CFR in Benue as of week 21:

Years	Suspected cases	Confirmed cases	Deaths	CFR
2025	74	11	5	45%
2024	1046	62	11	18%
2023	149	36	3	8%
2022	195	32	8	25%
2021	21	6	0	0%
2020	34	9	4	44%

Source: NCDC

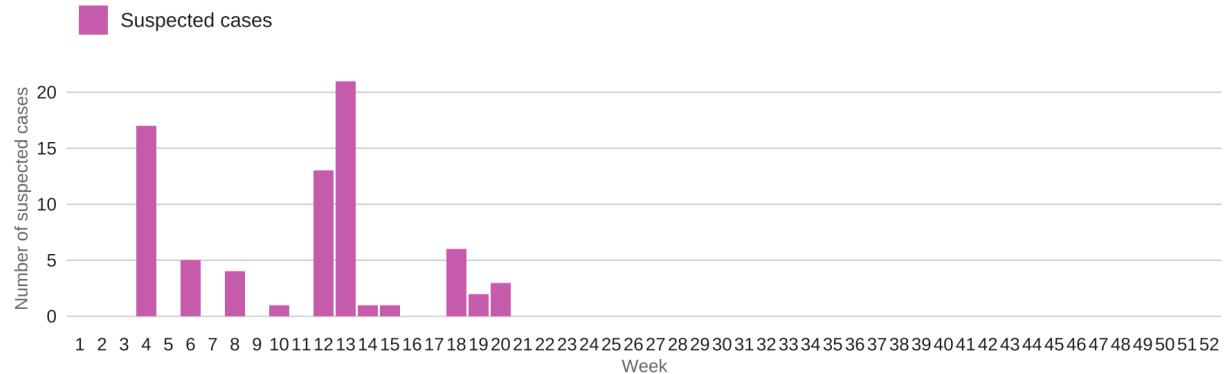
- See other tabs for yearly data

As of 2025, week 18

LASSA FEVER IN BENUE STATE, 2020-2025

2025

As of 2025, week 18



As of 2025, week 18

- In 2025 only, Benue State reported **11 confirmed cases** including **5 deaths** (CFR 45%).

- Compared to same period 2024, this represents:
 - **93% decrease in the number of suspected cases.**
 - **82% decrease in the number of confirmed cases.**

LASSA FEVER IN BENUE STATE, 2020-2025

2024

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2023

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2022

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2021

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LASSA FEVER IN BENUE STATE, 2020-2025

2020

As of 2025, week 18

THANK YOU

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

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