



Lassa fever Situation Report

Epi Week 15: 10th April – 16th April 2023

Key Points

Table 1: Summary of current week (15), cumulative Epi week 1- 15, 2023 and comparison with previous year (2022)

| Reporting Period | Suspected cases | Confirmed cases | Probable cases | Deaths (Confirmed cases) | Case Fatality Ratio (CFR) | States and LGAs affected (Confirmed cases) |
|---------------------------------------|-----------------|-----------------|----------------|--------------------------|---------------------------|--|
| Current week (week 15) | 149 | 9 | 0 | 1 | 11.1% | State(s): 3 LGA(s): 4 |
| 2023 Cumulative (week 1-15) | 4702 | 877 | 5 | 152 | 17.3% | State(s): 26 LGA(s): 101 |
| 2022 Cumulative (week 15) | 4127 | 733 | 31 | 139 | 19.0% | State(s):23 LGA(s):94 |

Highlights

- In week 15, the number of new confirmed decreased from 23 in epi week 14 2023 to 9 cases. These were reported from Ondo, Edo, and Bauchi States (Table 3)
- Cumulatively from week 1 to week 15, 2023, 152 deaths have been reported with a case fatality rate (CFR) of 17.3% which is lower than the CFR for the same period in 2022 (19.0%)
- In total for 2023, 26 States have recorded at least one confirmed case across 101 Local Government Areas (Figures 2 and 3)
- Seventy-two (72%) of all confirmed Lassa fever cases were reported from these three states (Ondo, Edo, and Bauchi) while 28% were reported from 23 states with confirmed Lassa fever cases. Of the 72% confirmed cases, Ondo reported 32%, Edo 29%, and Bauchi 11%
- The predominant age group affected is 21-30 years (Range: 1 to 93 years, Median Age: 32 years). The male-to-female ratio for confirmed cases is 1:0.9 (Figure 4)
- The number of suspected cases increased compared to that reported for the same period in 2022.
- No new Healthcare worker was affected in the reporting week 15
- National Lassa fever multi-partner, multi-sectoral Emergency Operations Centre (EOC) activated to coordinate the response activities at all levels

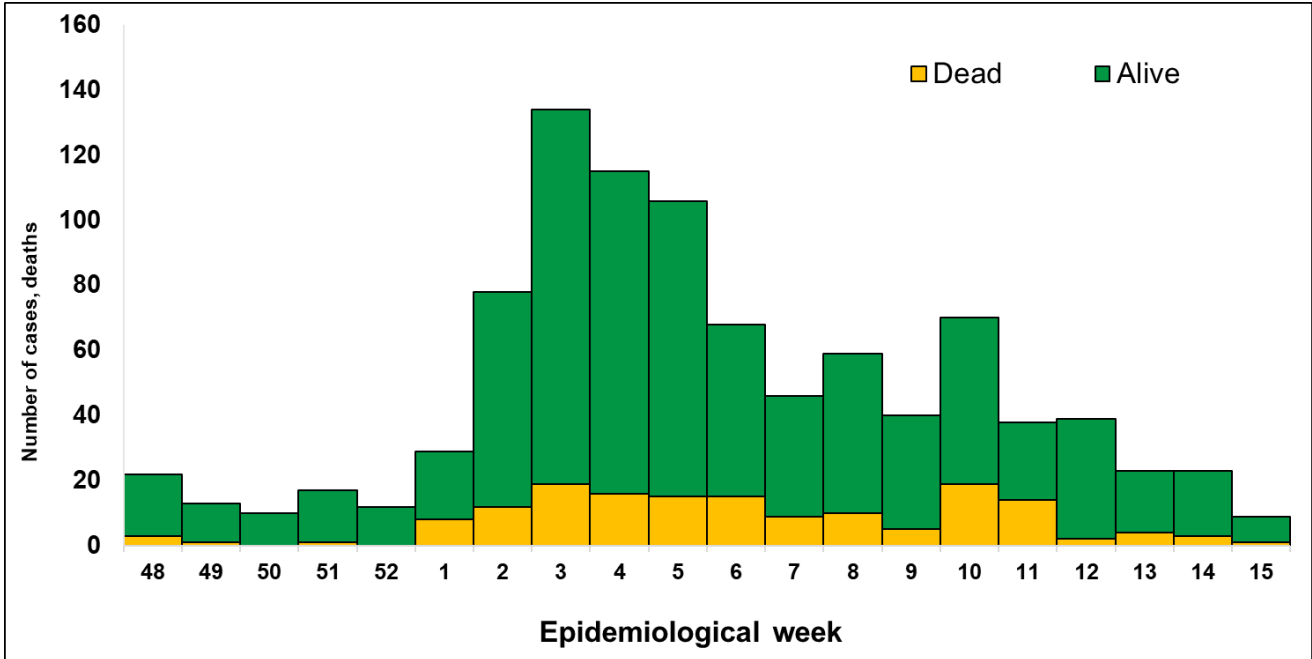


Figure 1. Confirmed Lassa fever cases in Nigeria epidemiological week 48, 2022 to week 15, 2023

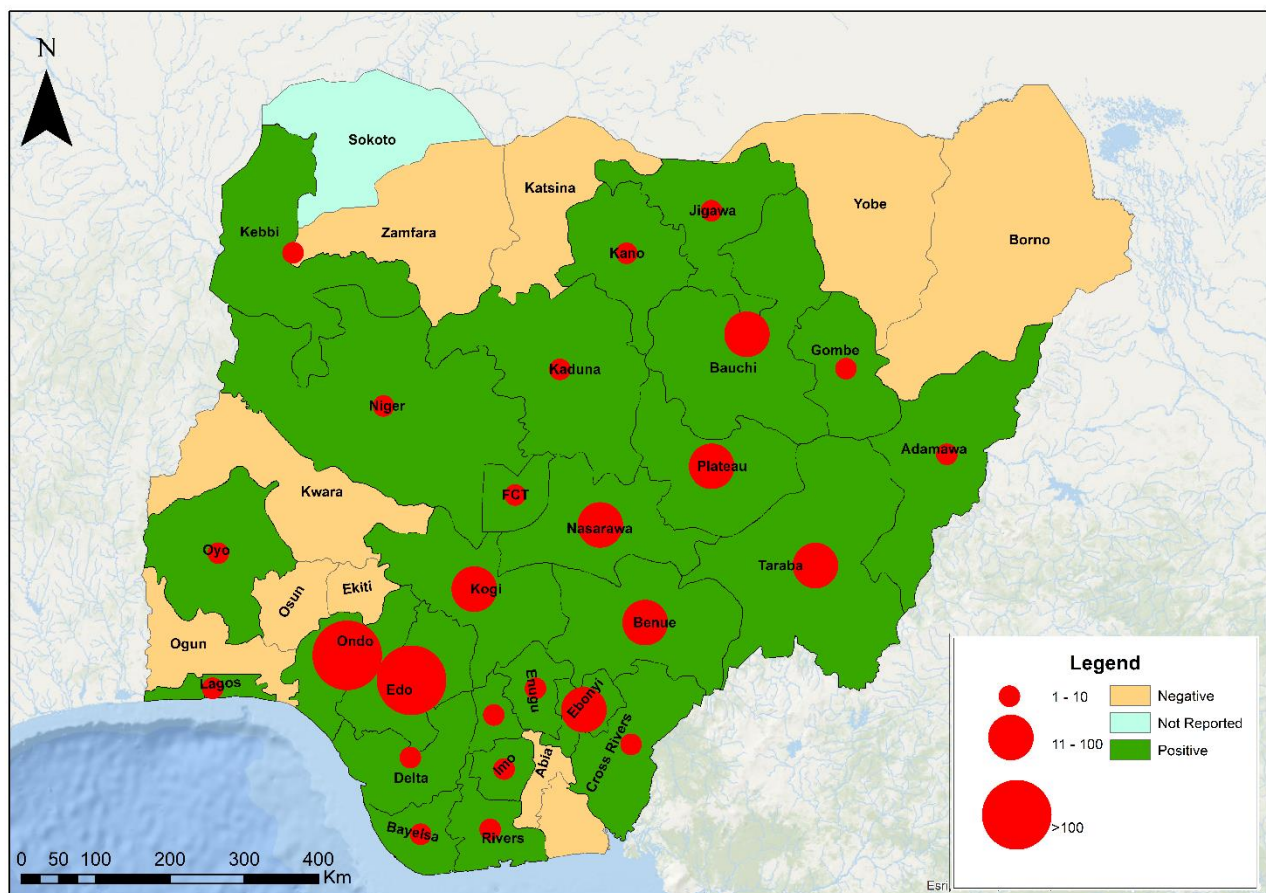


Figure 2. Confirmed Lassa fever cases by States in Nigeria, week 15, 2023

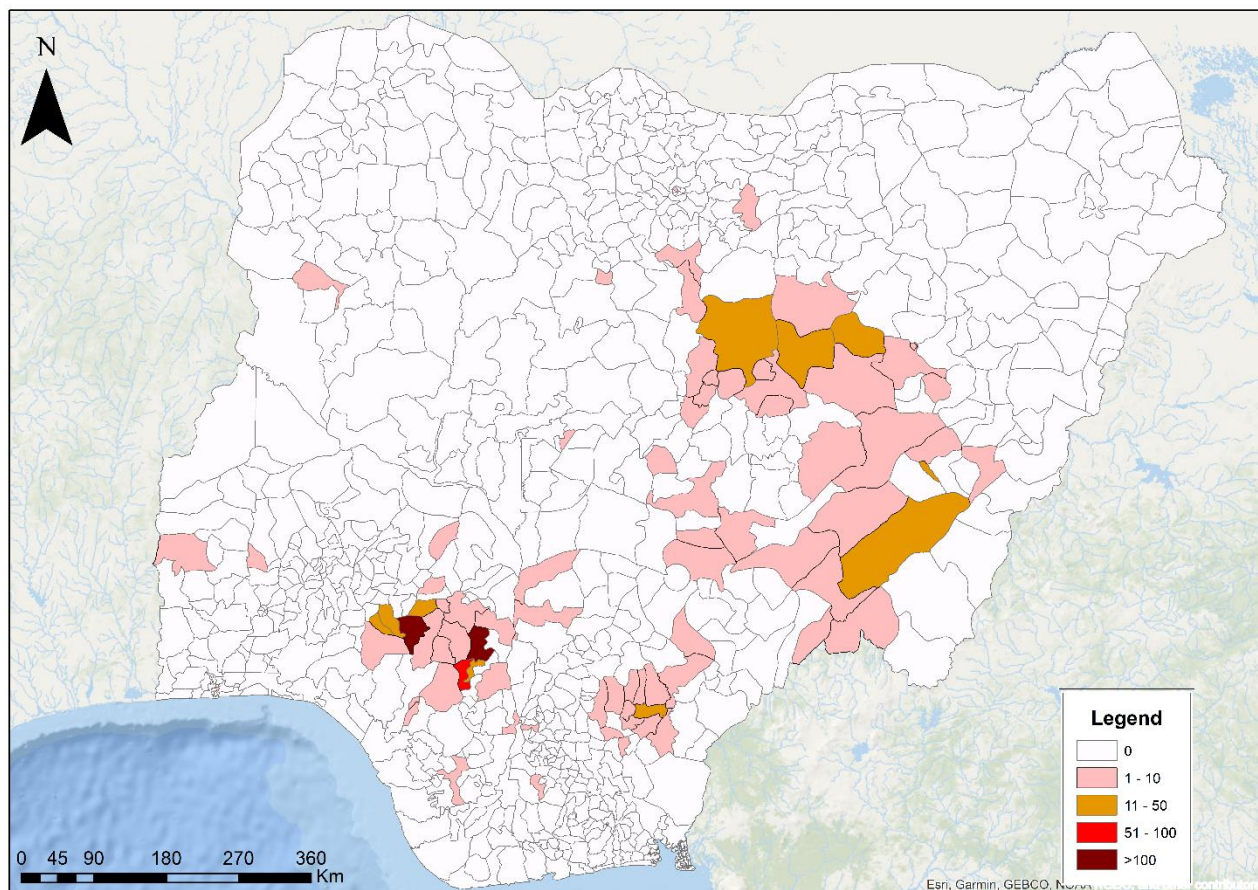


Figure 3. Confirmed Lassa fever rate per 100,000 population for LGAs in Nigeria, week 15, 2023

Table 2: Key indicators for current week 2023 and trend compared to the previous week, Nigeria

| Symptomatic contacts | Number for current week | Trend from previous week | Cumulative number for 2023 |
|--|-------------------------|--------------------------|----------------------------|
| Probable cases | 0 | ↔ | 5 |
| Health Care Worker affected | 0 | ↔ | 42 |
| Cases managed at the treatment centres | 8 | ↓ | 725 |
| Contact tracing | | | |
| Cumulative contact listed | 31 | ↓ | 3811 |
| Contacts under follow up | 447 | ↔ | 447 |
| Contacts completed follow up | 0 | ↔ | 3361 |
| Symptomatic contacts | 0 | ↔ | 98 |
| Positive contacts | 0 | ↔ | 39 |
| Contacts lost to follow up | 0 | ↔ | 0 |

Key

- ↑ Increase
- ↓ Decrease
- ↔ No difference

Table 3. Weekly and Cumulative number of suspected and confirmed cases for 2023

| States | Current week: (Week 15) | | | | | Cumulative (Week 1 - 15) | | | | | |
|----------------|--------------------------|-----------|----------|---------------|-------------------|---------------------------|-------------|---------------|-------------------|-----------|------------|
| | Cases | | | | Deaths | Cases | | | Deaths | | |
| | Suspected | Confirmed | Trend | Probable HCW* | (Confirmed Cases) | Suspected | Confirmed | Probable HCW* | (Confirmed Cases) | | |
| 1 Ondo | 47 | 5 | ▼ | | 1 | 1209 | 283 | 13 | 31 | | |
| 2 Edo | 73 | 3 | ▼ | | | 1682 | 250 | 4 | 31 | | |
| 3 Bauchi | 13 | 1 | ▼ | | | 647 | 98 | 1 | 18 | | |
| 4 Taraba | | | ▼ | | | 229 | 81 | 3 | 28 | | |
| 5 Ebonyi | 5 | | | | | 193 | 50 | 3 | 27 | | |
| 6 Benue | | | | | | 141 | 36 | 2 | 3 | | |
| 7 Plateau | | | | | | 52 | 14 | 1 | 2 | | |
| 8 Nasarawa | | | | | | 123 | 14 | 5 | 2 | | |
| 9 Kogi | 1 | | | | | 37 | 11 | 1 | 1 | | |
| 10 Gombe | 1 | | | | | 32 | 6 | | | | |
| 11 Enugu | 1 | | ▼ | | | 27 | 5 | | 1 | | |
| 12 Kano | | | | | | 34 | 4 | | | | |
| 13 Oyo | | | | | | 21 | 4 | | 1 | | |
| 14 Jigawa | | | | | | 20 | 3 | | | | |
| 15 Bayelsa | | | | | | 35 | 2 | | 1 | | |
| 16 Anambra | | | | | | 29 | 2 | 1 | 2 | | |
| 17 Fct | 1 | | | | | 44 | 2 | | | | |
| 18 Lagos | 1 | | ▼ | | | 11 | 2 | | | | |
| 19 Delta | 2 | | | | | 20 | 2 | 1 | | | |
| 20 Cross River | | | | | | 15 | 2 | | 1 | | |
| 21 Kebbi | | | | | | 2 | 1 | | 1 | | |
| 22 Adamawa | | | | | | 4 | 1 | | | | |
| 23 Niger | | | | | | 4 | 1 | | | | |
| 24 Rivers | 1 | | | | | 7 | 1 | | | | |
| 25 Kaduna | | | | | | 18 | 1 | | | | |
| 26 Imo | | | | | | 14 | 1 | | 2 | | |
| 27 Akwa Ibom | | | | | | 1 | | | | | |
| 28 Borno | | | | | | 1 | | | | | |
| 29 Katsina | | | | | | 1 | | | | | |
| 30 Zamfara | | | | | | 2 | | | | | |
| 31 Abia | 3 | | | | | 9 | | | | | |
| 32 Akwa-Ibom | | | | | | 2 | | | | | |
| 33 Yobe | | | | | | 6 | | | | | |
| 34 Ekiti | | | | | | 4 | | | | | |
| 35 Ogun | | | | | | 11 | | | | | |
| 36 Kwara | | | | | | 6 | | | | | |
| 37 Osun | | | | | | 8 | | | | | |
| Total | 149 | 9 | ▼ | 0 | 0 | 1 | 4701 | 877 | 3 | 42 | 152 |

| Key | |
|-----|----------|
| ▼ | Decrease |
| ▲ | Increase |

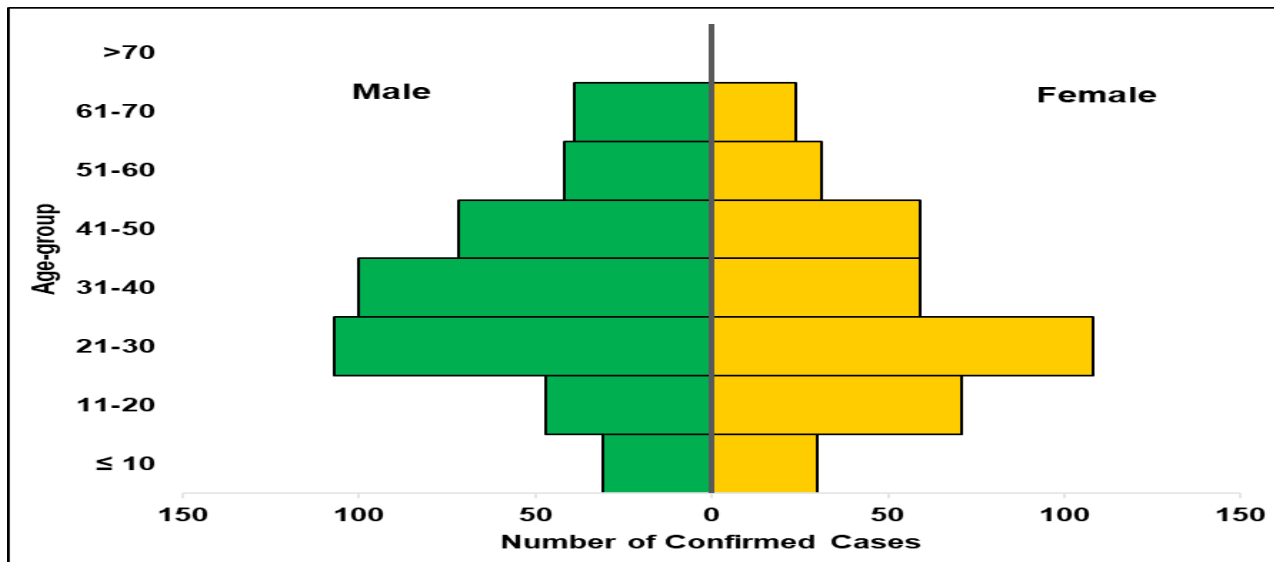


Figure 4. Age and sex pyramid showing the number of confirmed Lassa fever cases for 2023

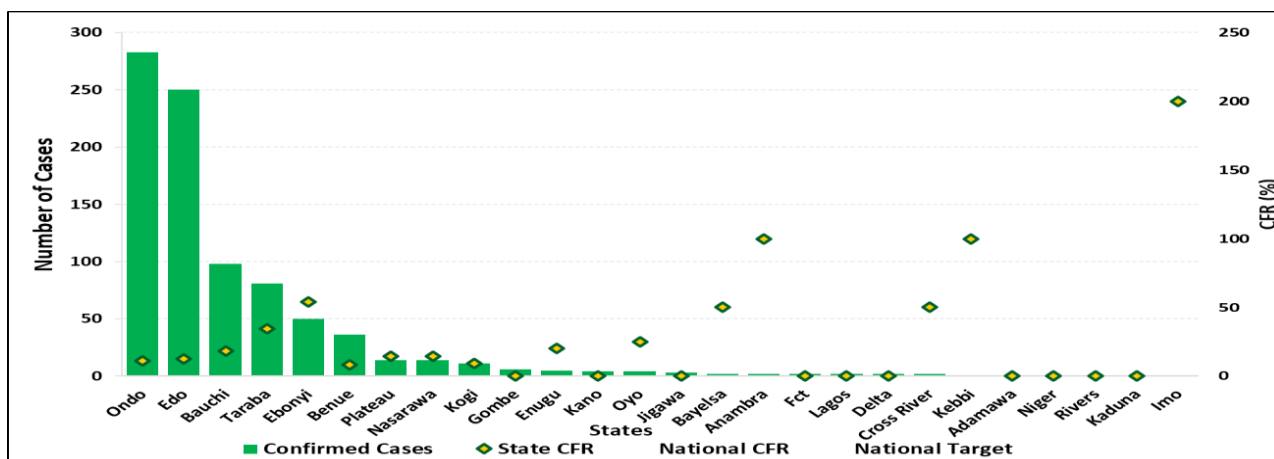


Figure 5: Number of confirmed cases with case fatality rate (CFR) by state week 15, 2023

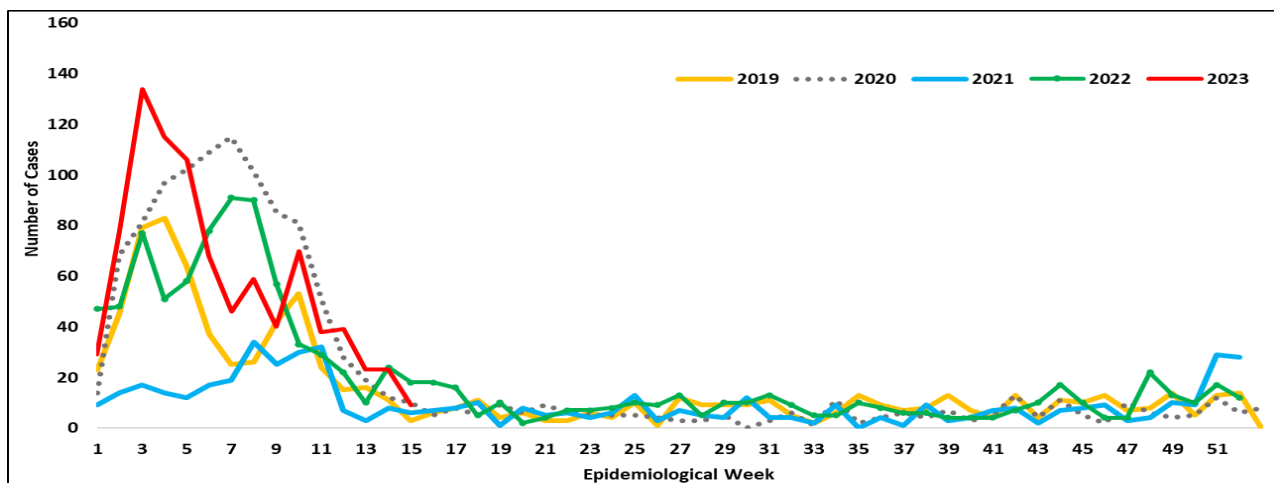


Figure 6: Trend of confirmed cases by epidemiological week, 2019– 2023, Nigeria

Response activities

- Updating IPC focal persons database
- Engagement of surge staff at treatment centres
- Identification and Assessment of treatment centres
- Intensive response activities through a one-health approach in affected LGAs
- Designed a tool to collect geo-points for all Lassa fever confirmed cases in the States
- Update of VHF Case Investigation Form (CIF) database
- Enhanced surveillance (contact tracing and active case finding) in affected states.
- Monitoring of outbreak emergency composite indicators to guide action
- Implementation of targeted risk communication activities in most affected States
- Diagnosis of all samples in the Eight Lassa fever testing laboratories across the country
- External Quality Assurance (EQA) panel preparation for all testing laboratories ongoing
- Dissemination of reviewed IPC guideline, health facility IPC advisory and healthcare worker advisories
- Deployed NRRT to 6 states – Bauchi, Benue, Ebonyi, Edo, Ondo & Taraba
- Periodic implementation of vector control measures in Edo and Ondo States
- Sent Lassa fever alert letters to Governors' forum, State Ministries of Health, professional bodies (NMA, MDCAN, NARD, NDA, MWAN, AGPMPN, AMLSN, NANNM) etc.
- Conducted Lassa fever risk assessment
- Confirmed cases are treated at identified treatment centres across the states.
- Dissemination of reviewed case management and safe burial practices guidelines
- 1st Draft of protocol for identification and management of LF in pregnant women completed
- Mortality review of Lassa fever deaths
- In-depth investigation of healthcare worker infections
- External Quality Assurance (EQA) panel preparation for all testing laboratories ongoing
- Distribution of response commodities -PPEs, Ribavirin (injection and tablets) body-bags, thermometers, hypochlorite hand sanitizers, IEC materials distributed to states and treatment centres.
- Implementation of Nigeria Lassa fever epidemiological Study supported by CEPI
- Multi-sectoral Public Health Emergency Operation Centres (PHEOC) activated at the National and affected States

Challenges

- Late presentation of cases leading to an increase in CFR
- Lack of funding of preparedness and response activities in most states
- Poor health-seeking behaviour due to the high cost of treatment and clinical management of Lassa fever
- Poor environmental sanitation conditions observed in high-burden communities
- Poor awareness observed in high-burden communities

Notes on this report

Data Source

Information for this disease was case-based data retrieved from the National Lassa fever Emergency Operations Centre.

Case definitions

- **Suspected case:** any individual presenting with one or more of the following: malaise, fever, headache, sore throat, cough, nausea, vomiting, diarrhoea, myalgia, chest pain, hearing loss and either a. History of contact with excreta or urine of rodents b. History of contact with a probable or confirmed Lassa fever case within a period of 21 days of onset of symptoms OR Any person with inexplicable bleeding/hemorrhagia.

- **Confirmed case:** any suspected case with laboratory confirmation (positive IgM antibody, PCR or virus isolation)
- **Probable case:** any suspected case (see definition above) who died or absconded without collection of specimen for laboratory testing
- **Contact:** Anyone who has been exposed to an infected person, or to an infected person's secretions, excretions, or tissues within three weeks of last contact with a confirmed or probable case of Lassa fever

Calculations

- Case Fatality Rate (CFR) for this disease is reported for confirmed cases only

VIRAL HAEMORRHAGIC FEVER QUICK REFERENCE GUIDE

For social mobilization https://ncdc.gov.ng/themes/common/docs/vhfs/83_1517222929.pdf

For LGA Rapid Response Team https://ncdc.gov.ng/themes/common/docs/vhfs/82_1517222811.pdf

Healthcare worker laboratory https://ncdc.gov.ng/themes/common/docs/vhfs/81_1517222763.pdf

For healthcare workers https://ncdc.gov.ng/themes/common/docs/vhfs/80_1517222586.pdf

For community informant https://ncdc.gov.ng/themes/common/docs/vhfs/79_1517222512.pdf

NATIONAL GUIDELINES FOR LASSA FEVER CASE MANAGEMENT

https://ncdc.gov.ng/themes/common/docs/protocols/92_1547068532.pdf

VIRAL HAEMORRHAGIC FEVER AND RESPONSE PLAN

https://ncdc.gov.ng/themes/common/docs/protocols/24_1502192155.pdf

NATIONAL GUIDELINE FOR INFECTION, PREVENTION AND CONTROL FOR VIRAL HAEMORRHAGIC FEVER

https://ncdc.gov.ng/themes/common/docs/protocols/24_1502192155.pdf

INFORMATION RESOURCE

Nigeria Centre for Disease Control: www.ncdc.gov.ng