



Lassa fever Situation Report

Epi Week 52: 26 December 2022 – 1 January 2023

Key Points

Table 1: Summary of current week (52), cumulative from Epi week 1–52, 2022 and comparison with previous year (2021)

Reporting Period	Suspected cases	Confirmed cases	Probable cases	Deaths (Confirmed cases)	Case Fatality Ratio (CFR)	States and LGAs affected (Confirmed cases)
Current week (week 52)	79	12	0	0	0.0%	State(s): 3 LGA(s): 6
2022 Cumulative (week 52)	8202	1067	37	189	17.7%	State(s): 27 LGA(s): 112
2021 Cumulative (week 52)	4654	511	5	102	20.0%	State(s): 17 LGA(s): 67

Highlights

- In week 52, the number of new confirmed cases decreased from 17 in week 51 2022 to 12 cases. These were reported from Edo, Ebonyi and Benue States (Table 3)
- Cumulatively from week 1 to week 52, 2022, 189 deaths have been reported with a case fatality rate (CFR) of 17.7% which is lower than the CFR for the same period in 2021 (20.0%)
- In total for 2022, 27 States have recorded at least one confirmed case across 112 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 23% were reported from 24 states with confirmed Lassa fever cases. Of the 72% of confirmed cases, Ondo State reported 33%, Edo 25% and Bauchi 14%
- The predominant age group affected is 21-30 years (Range: 1 to 90 years, Median Age: 30 years). The male-to-female ratio for confirmed cases is 1:0.8 (Figure 4)
- The number of suspected cases has increased compared to that reported for the same period in 2021
- No new Healthcare worker was affected in the reporting week 52
- National Lassa fever multi-partner, multi-sectoral Technical Working Group (TWG) continues to coordinate the response activities at all levels

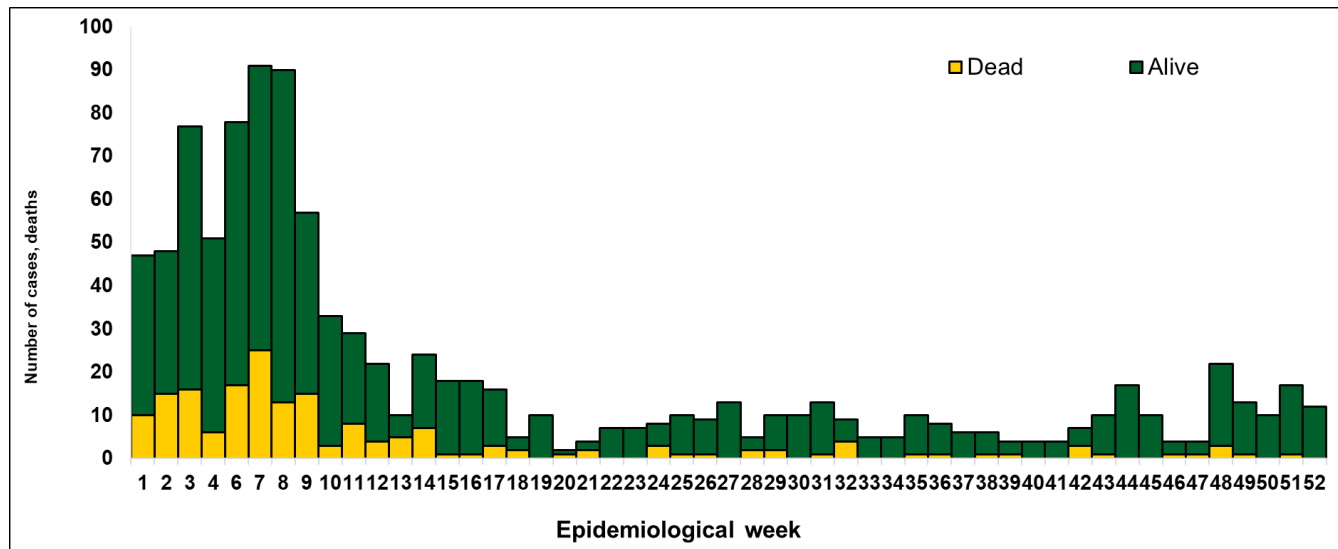


Figure 1. Confirmed Lassa fever cases in Nigeria epidemiological week 1-52, 2022

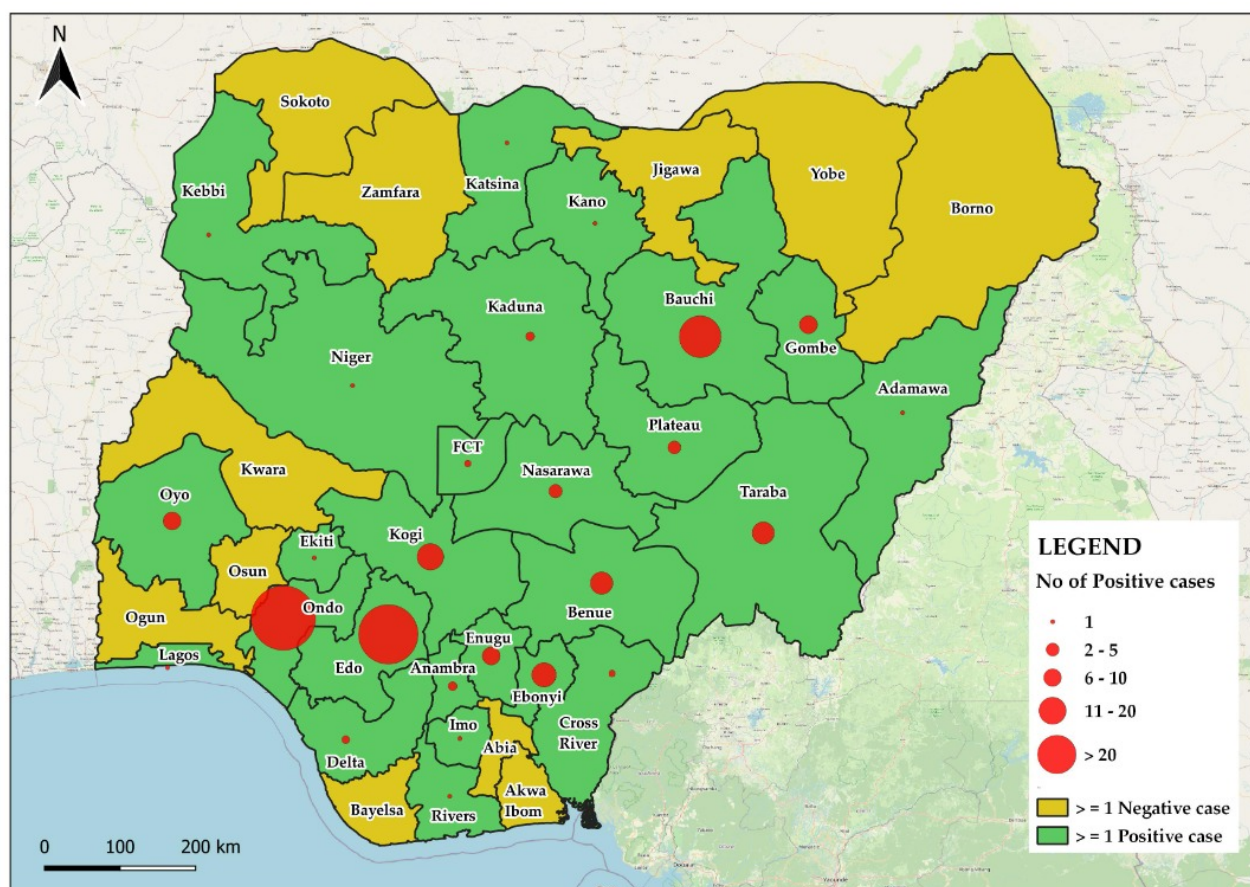


Figure 2. Confirmed Lassa fever cases by States in Nigeria, week 52, 2022

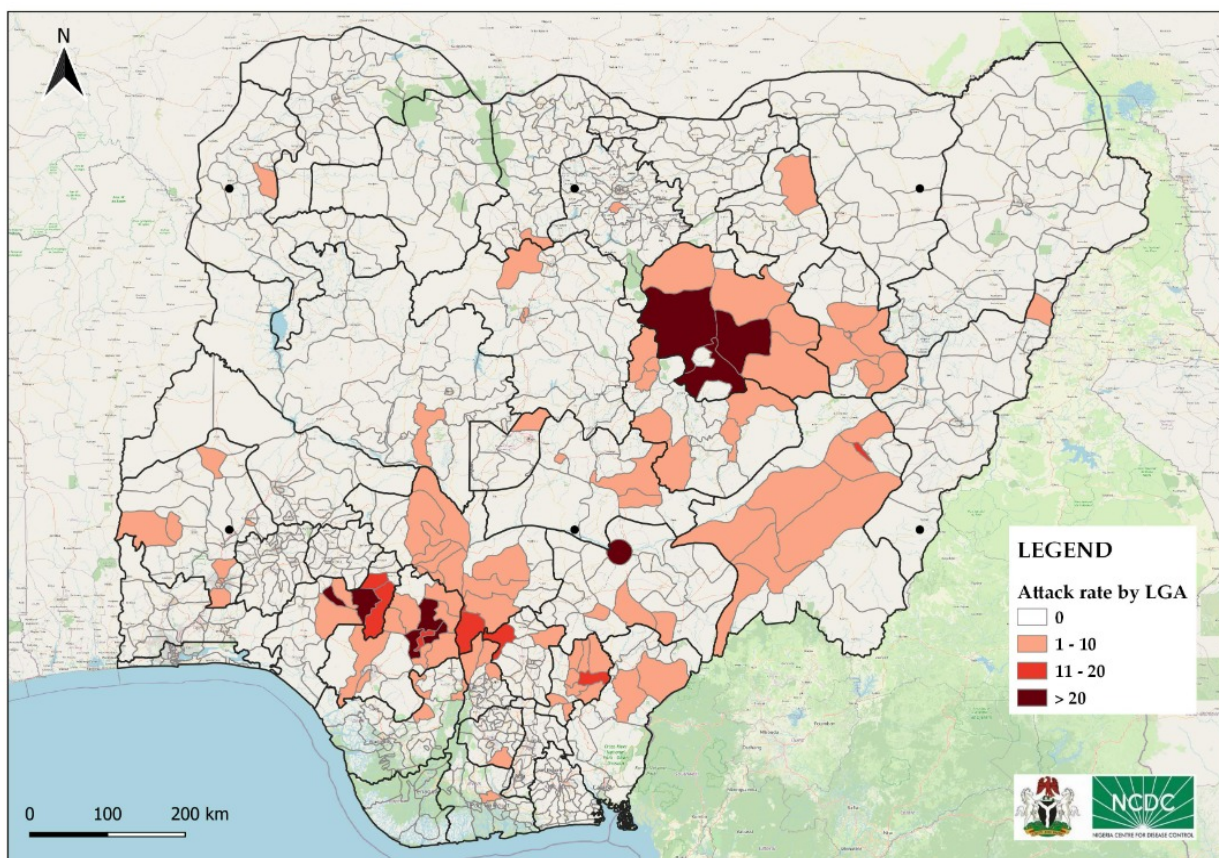


Figure 3. Confirmed Lassa fever rate per 100,000 population for LGAs in Nigeria, week 52, 2022

Table 2: Key indicators for current week 2022 and trend compared to previous week, Nigeria

Symptomatic contacts	Number for current week	Trend from previous week	Cumulative number for 2022
Probable cases	0	↔ ↔	37
Health Care Worker affected	0	↔ ↔	63
Cases managed at the treatment centres	12	↔	967
Contact tracing			
Cumulative contact listed	51	↔	3588
Contacts under follow up	89	↔	89
Contacts completed follow up	17	↔	3439
Symptomatic contacts	0	↔ ↔	101
Positive contacts	0	↔ ↔	49
Contacts lost to follow up	0	↔ ↔	11

Key

- ↑ Increase
- ↓ Decrease
- ↔ No difference

Table 3. Weekly and Cumulative number of suspected and confirmed cases for 2022

States	Current week: (Week 52)					Cumulative (Week 1 - 52)				
	Cases				Deaths (Confirmed Cases)	Cases				Deaths (Confirmed Cases)
	Suspected	Confirmed	Trend	Probable HCW *		Suspected	Confirmed	Probable	HCW *	
1 Ondo			▼			1683	348		11	54
2 Edo	53	9	▲			3210	273		3	29
3 Bauchi	2		▼			1045	146		34	20
4 Kogi						142	49			9
5 Ebonyi	11	2	▲			314	48	1	3	20
6 Benue	7	1	▲			289	39	2	3	10
7 Taraba			▼			106	37	3	1	15
8 Oyo			▼			130	27	14	4	4
9 Gombe						251	24	8	2	8
10 Enugu						105	22		1	3
11 Nasarawa	2					143	14	5		6
12 Plateau						102	11			
13 Anambra						41	5			1
14 Delta						84	4			
15 Kaduna						94	4	3	1	3
16 Cross River						20	4			4
17 FCT	1					65	2			
18 Sokoto						5	1			
19 Imo						56	1			
20 Ekiti						4	1			
21 Adamawa						19	1			
22 Niger	1					15	1			
23 Kebbi	1					9	1			
24 Lagos	1					52	1			1
25 Kano						41	1			1
26 Katsina						17	1			1
27 Rivers						12	1			
28 Zamfara						5				
29 Akwa Ibom						8				
30 Osun						8		1		
31 Yobe						30				
32 Abia						23				
33 Borno						20				
34 Bayelsa						8				
35 Jigawa						9				
36 Ogun						20				
37 Kwara						16				
Total	79	12	▼	0	0	8201	1067	37	63	189

Key	
▼	Decrease
▲	Increase

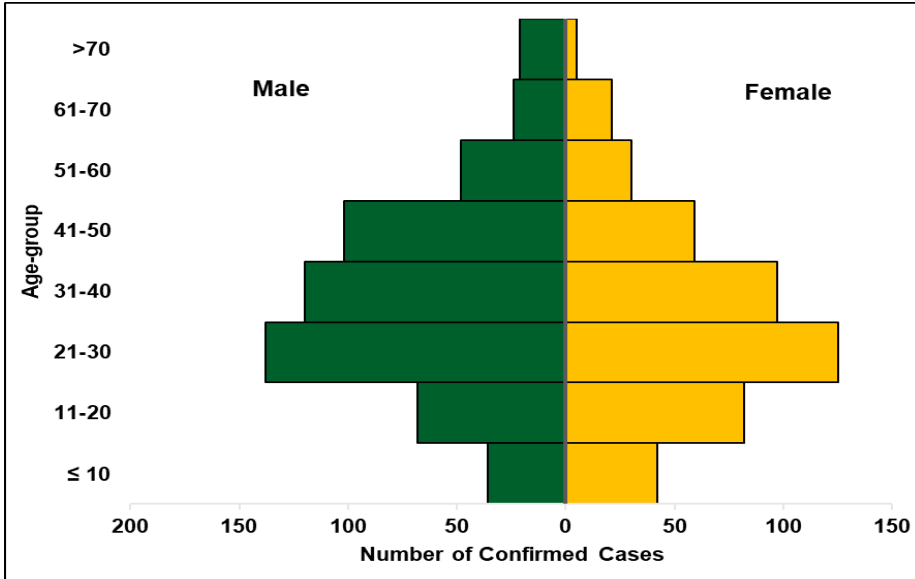


Figure 4. Age and sex pyramid showing the number of confirmed Lassa fever cases for 2022

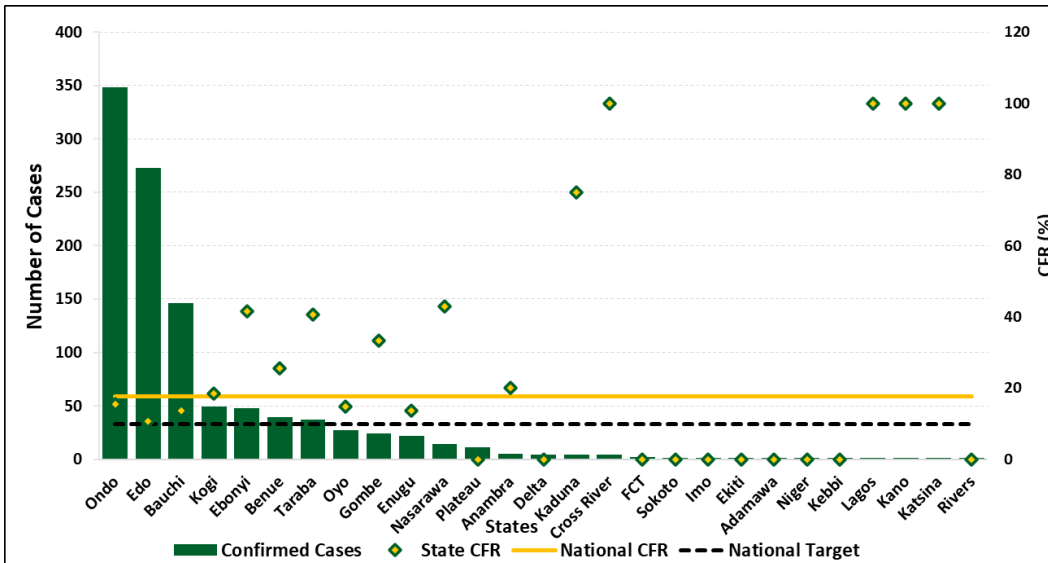


Figure 5: Number of confirmed cases with case fatality rate (CFR) by state week 52, 2022

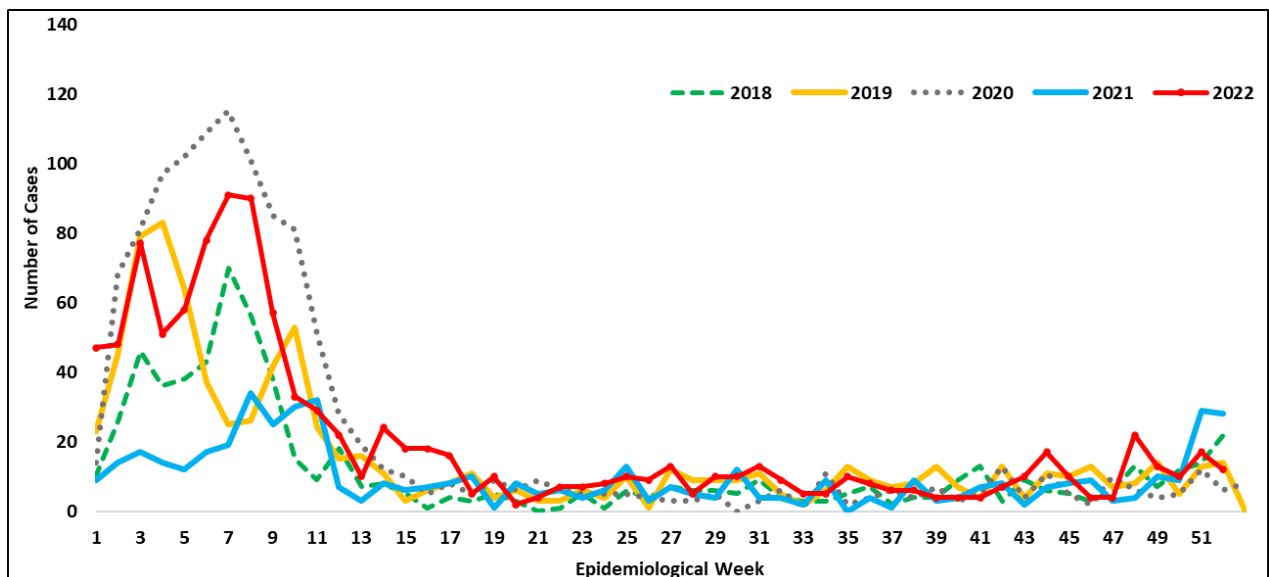


Figure 6: Trend of confirmed cases by epidemiological week, 2018– 2022, Nigeria

- Conducted Lassa fever testing laboratories network 2022 Action Review meeting
- Conducted the finalization and validation of the Lassa fever 5-year strategic plan
- Collaborated with World Health Organization (WHO), and other West Africa countries in an International Consultation Meeting for development of Global Lassa Fever Clinical Case Management Training Package
- Collaborated with WHO, Coalition for Epidemic Preparedness Innovation (CEPI), and Africa Centre for Disease Control (ACDC) in a workshop towards accelerating the licensure of Lassa fever Vaccines
- Implementation of Nigeria Lassa fever epidemiological Study supported by CEPI
- Implementation of human centred design risk communication activities in most affected States
- Supported Federal Ministry of Health and Irrua Specialist Teaching Hospital Edo State on training of health care workers for clinical management of Lassa fever
- Conducted sub-national Lassa fever surveillance and response intensive workshop
- Deployed of National Rapid Respond Teams (NRRT) to Nasarawa, FCT, Edo, Ondo, Bauchi, Ebonyi, Oyo, Taraba, and Benue to support the response to Lassa fever during the emergency phase
- Supported Lassa fever treatment centre with the engagement of adhoc data clerks to upload case management data on SORMAS
- Continuous distribution of medical response commodities to states and treatment centres across Nigeria
- Risk communications and community engagement activities have been scaled up across states using television, radio, print, social media, and other strategies
- Implementation of Lassa fever environmental response campaign in high burden states by Federal Ministry of Environment
- State Public Health Emergency Operations Centre activated in affected States
- The Eight Lassa fever molecular laboratories in the NCDC network are working full capacity to ensure that all samples are tested, and results provided within the shortest turnaround time
- Confirmed cases are treated at designated treatment centres across the states
- Dissemination of reviewed case management and safe burial practices guidelines
- Dissemination of reviewed Infection Prevention and Control (IPC) guideline and health facility IPC advisory
- The 2022 National Emergency Operations Centre response mode was activated in January 2022 and de-escalated in May 2022
- Lassa fever TWG continues to provide effective multi-sectoral, multi-disciplinary coordination of Lassa fever response
- Lassa fever preparedness assessment carried out for 36 States and FCT at the onset of the outbreak
- Lassa fever alert letters sent to States at the onset of outbreak towards preparedness for the outbreak

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