

Lassa Fever Trends in Nigeria (2019–2023): Insights from Secondary Surveillance Data

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Background

Lassa fever, a viral hemorrhagic zoonotic disease, has become increasingly endemic in Nigeria, with a concerning shift from seasonal to year-round transmission. This study analysed national Lassa fever trends from 2019 to 2023, examining the magnitude and distribution of cases by person, place, and time. The findings will inform public health policy and guide interventions to mitigate the impact of Lassa fever in Nigeria which shares borders with Benin Republic, Niger, Chad and Cameroon.

Methods

Study area: Nigeria, West Africa

Study design: Descriptive epidemiological study

Study population:

Residents suspected for Lassa fever and confirmed by RT-PCR

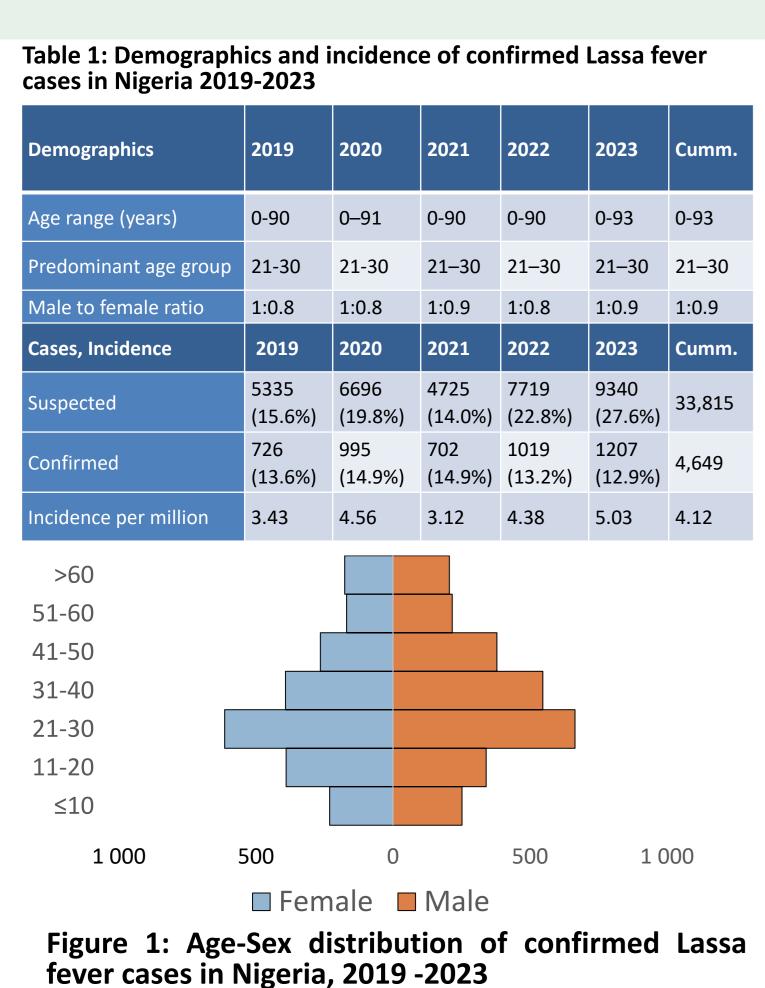
> Study period: 5 years, 2019 -2023

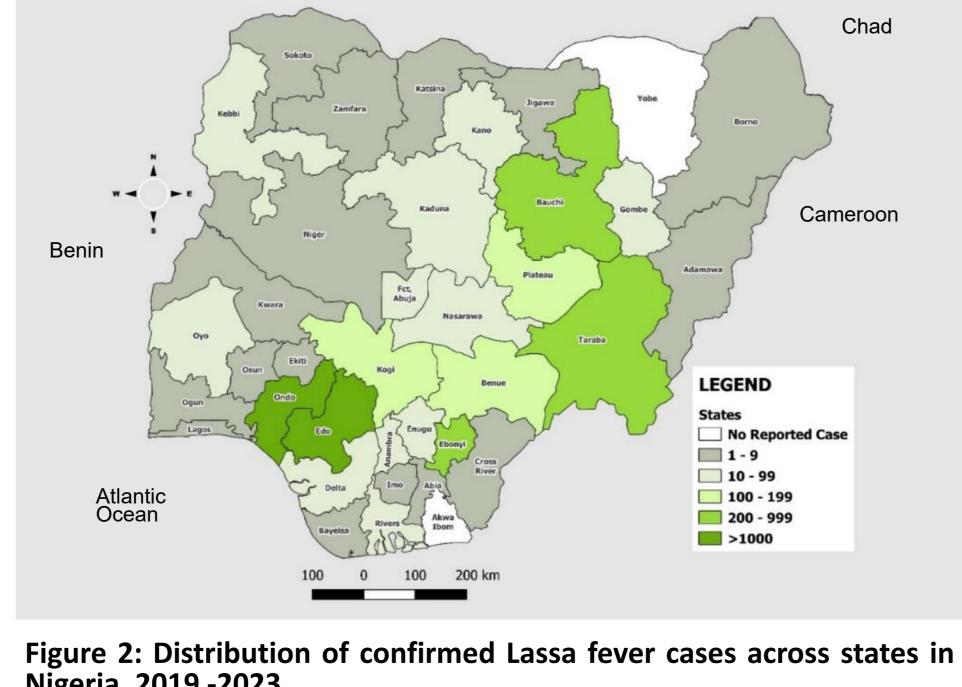
Data Collection:

Lassa fever laboratory line list -MS Excel spreadsheets from Nigeria CDC

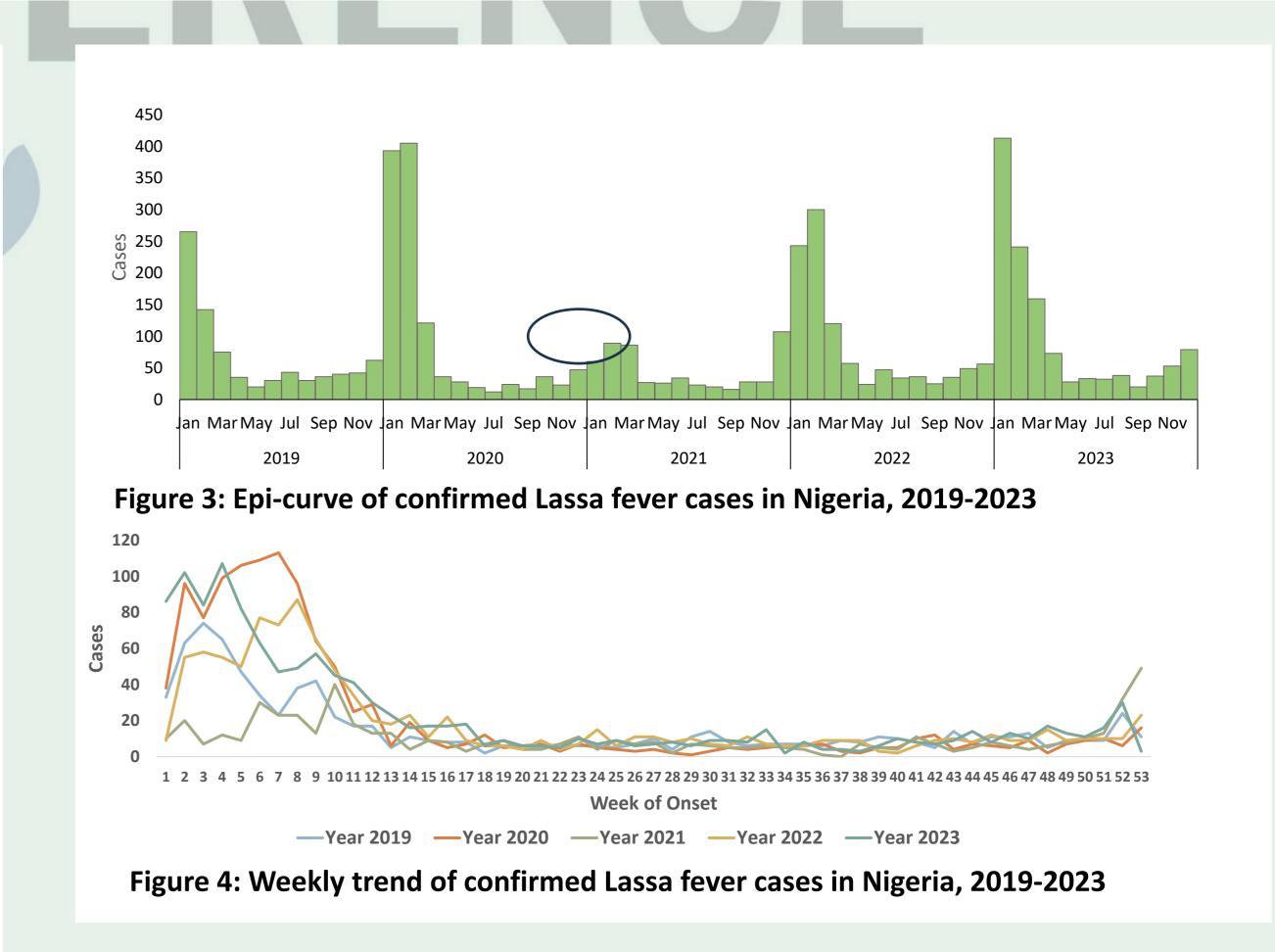
Data analysis: Frequencies, proportions, MS Excel, QGIS

Results





Nigeria, 2019 -2023



Conclusions and Recommendations

- All year-round transmission with seasonality of outbreaks seems to have become the new normal for LF in Nigeria.
- The spread is across almost all states of the federation, affecting both sexes, all ages especially the young and strong age bracket
- Improved sensitisation, community stakeholder engagement, risk communication, detection and preparedness at the national and subnational levels are recommended especially before established outbreak seasons, as well as heightened cross-border surveillance and information sharing which are more important now with almost all border states having reported confirmed cases over the period.

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