



Weekly Epidemiological Report

Week 19: 10th - 16th May, 2021

Highlight of the Week

Strengthening Risk Communication Activities for One-Health Approach in Nigeria



Emerging and re-emerging infectious diseases of zoonotic origin have remained a public health burden threatening Nigeria's health security with the country labelled a hotspot for some of them. These diseases have been listed among priority diseases for reporting under the National Integrated Disease Surveillance and Response Strategy. These include Lassa fever, Ebola virus disease, yellow fever, monkeypox and the ongoing coronavirus disease. Aside the negative impact zoonotic diseases pose on socio-economic, educational and political activities, the usually associated high morbidity and mortality remain a cause for concern. Apart from high population density, factors promoting increasing human-animal interface such as human encroachment on ecosystem, rapid urbanization etc, continue to place Nigeria at risk of these highly pathogenic zoonotic diseases.

To address the above and given the human-animal-environment inter-connectedness, the Nigeria Centre for Disease Control (NCDC) has continued to work the Federal Ministry of Agriculture and Rural Development, Federal Ministry of Environment, the World Health Organisation and other relevant development partners to adopt a One-Health (OH) approach in her diverse programme areas. This is a collaborative, multi-sectoral, and transdisciplinary approach recognizing the interactions between humans, animals, and their shared environment.

One key product from the afore-mentioned collaboration was the development in 2018 of a five-year OH strategic plan 2019-2023. This roadmap envisions a nation of healthy people and healthy animals living in balanced ecosystem. The NCDC also provides an oversight for the implementation of the OH-oriented World Bank Regional Disease Surveillance System Enhancement (REDISSE) Project in Nigeria.

Aside coordination of ongoing implementation of activities in the OH plan, the NCDC is currently working closely with Breakthrough Action Nigeria (BAN) of the USAID flagship interventions to promote risk communication activities (BAN) for social and behavioural change, this under the prime implementation of John Hopkins Centre for Communication Programs (JHU-CCP). In line with this, the NCDC and the BAN from 1st – 4th June 2021 organised a training of trainers' workshop on OH Risk Communication (RC) for media and public health communicators. The objectives are to:

1. Adapt and own the JHCCP OH RC training package as a national document.
2. Equip a group of master trainers to effectively deliver the training package designed to strengthen the capacity of public health communicators and media
3. Support OH partners, public health communicators, and media professionals to learn, practice and apply the principles of effective risk communication.
4. Improve confidence and ability of OH partners, public health communicators, and media professionals to effectively respond to the public's needs and concerns regarding prioritized zoonotic diseases (PZDs) and public health emergencies to minimize conflicting information, rumors and misinformation.
5. Explore if PZD media strategy is a priority for the country

With participants drawn from One Health Technical Committee, National Risk Communication Technical Working Group, Media and Global Health Security Agenda/other implementing partners, the workshop provided a unique opportunity to adapt and develop a draft national OH training package on RC and develop the capacity of a pool of trainers in the area of RC.

The critical next step is for the NCDC and partners to adapt, finalise and broadly disseminate training manual for improved RC activities in Nigeria.

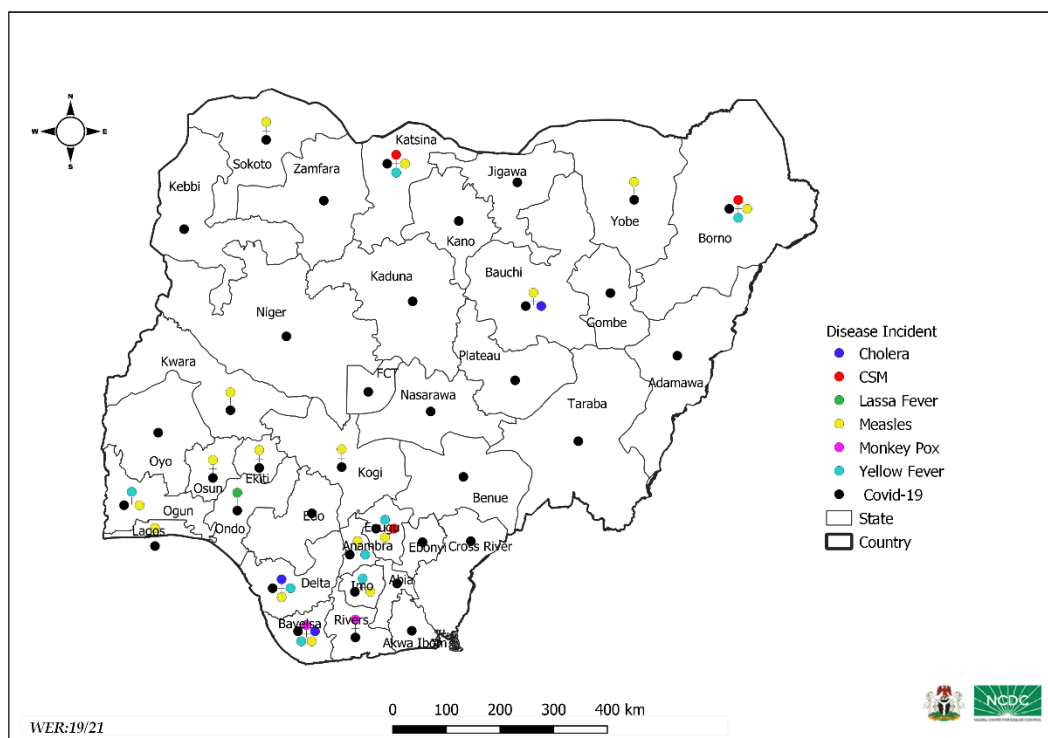
Summary of Incidents

Ongoing incidents

1

Ongoing incidents are defined as confirmed cases where a national EOC or equivalent has been activated (EOC is currently activated for COVID-19)

Other incidents are those with confirmed cases for which EOC is not activated



Data Source: SITAware

Summary

Week 19: 10th - 16th May, 2021

Note: Coronavirus Disease is from outbreak onset till week 21, 2021: 30th May, 2021)

Lassa Fever ^{1,2}	Cerebrospinal Meningitis (CSM) ^{3,4}	Yellow Fever ^{3,4}
61 Suspected case(s)	5 Suspected case(s)	19 Suspected case(s)
1 Confirmed case(s)	1 Confirmed case(s)	0 Confirmed case(s)
1 Death(s)	0 Death(s)	0 Death(s)
Cholera ^{3,4}	Measles ^{3,4}	Monkeypox ^{1,4}
86 Suspected case(s)	518 Suspected case(s)	3 Suspected case(s)
5 Confirmed case(s)	0 Confirmed case(s)	1 Confirmed case(s)
6 Death(s)	6 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP) ^{3,4}	National Sentinel influenza surveillance ⁵	Coronavirus Disease as at week 21 ¹
38 Suspected case(s)	592 Suspected case(s)	2,133,061 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	166,315 Confirmed case(s)
		2,071 Death(s)

Timeliness of reports ₃	Completeness of reports ₃
95.1% Last 4 weeks	97.3% Last 4 weeks
96.4% Year to date	98.4% Year to date

Notes

- Information for this disease was retrieved from the Technical Working Group and Situation Reports
- Case Fatality Rate (CFR) for this disease is reported for confirmed cases only
- Information for this disease was retrieved from IDSR 002 data
- CFR for this disease is reported for total cases i.e. suspected + confirmed
- Information for sentinel influenza was retrieved from the laboratory

Lassa Fever

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
61	1	1	State: 1 LGA: 1

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
4693	1857	1000	273	192	57	19.2%	21.2%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Weeks 1 – 52, 2021

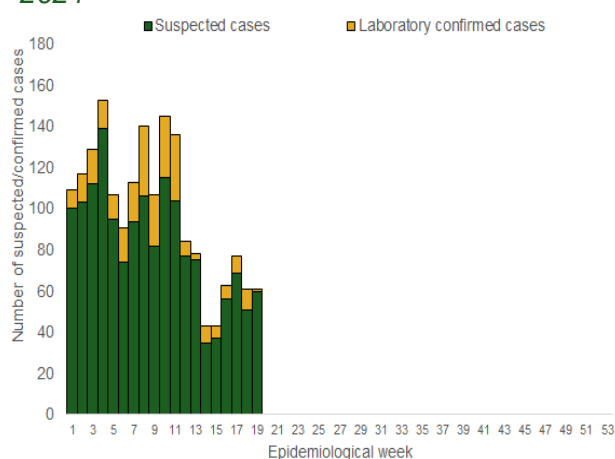
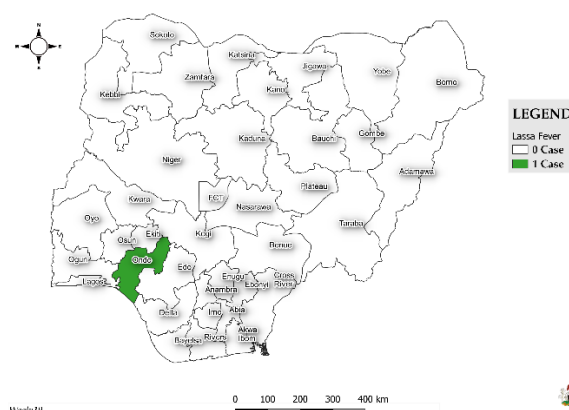


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 19, 2021



Key points

- There were 61 suspected cases, one was laboratory confirmed and one death was recorded from one LGA in Ondo state

Actions

To date:

- Conducted 2021 Lassa fever (LF) high burden states preparedness/response engagement meeting
- Dissemination of reviewed case management and safe burial practices guidelines
- Ensured all five LF molecular laboratories in the NCDC network are working at full capacity for timely testing of samples with reduced turnaround time

Planned:

- Finalise LF five-year strategic plan

Cerebrospinal Meningitis (CSM)

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
5	1	0	State: 3 LGA: 4

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
247	122	0	1	3	1	1.2%	0.8%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, weeks 1 – 52, 2021

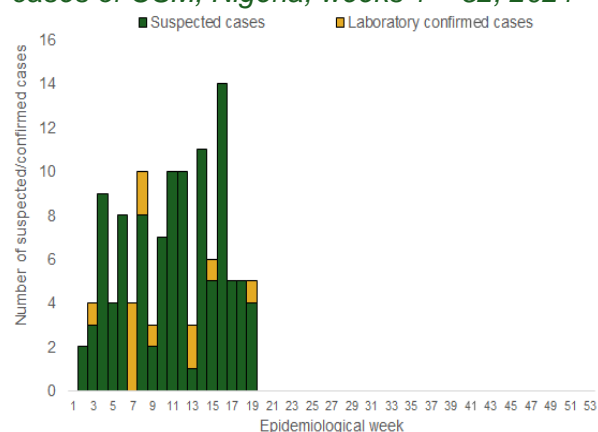
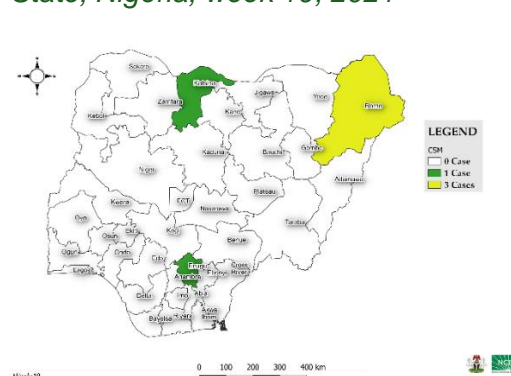


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 19, 2021



Key points

- There were five suspected cases of Cerebrospinal Meningitis (CSM) reported from four LGAs in three states (Borno – 3, Enugu – 1 & Katsina – 1). One was laboratory confirmed and no death was recorded

Actions

To date:

- National CSM TWG meets weekly to review reports from states and plan appropriately
- Enhanced surveillance in all states

Planned:

- Continue harmonisation of the national line list and SORMAS data
- Continue to ensure that states reporting cases send their line lists and collect CSM samples

Yellow Fever

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
19	0	0	State: 8 LGA: 14

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
761	786	6	13	0	1	0%	0.1%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, weeks 1 – 52, 2021

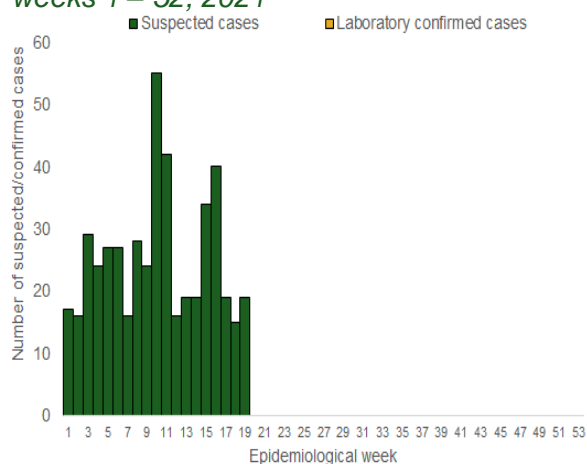
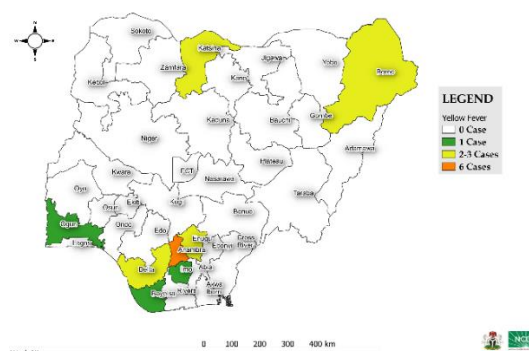


Figure 6: Location of suspected cases of Yellow Fever by States, Nigeria, week 19, 2021



Key points

- There were 19 suspected cases of Yellow Fever (YF) reported from 14 LGAs in eight states. None were laboratory confirmed and no death was recorded

Actions

To date:

- National YF multi-partner Technical Working Group (TWG) continues to coordinate activities across states.
- Daily monitoring and analysis of surveillance data across the country to guide response activities
- Ongoing validation of Mologic rapid test kit for Yellow fever

Planned:

- Continue monitoring and analysis of YF (Yellow fever) data across all states and FCT to guide response
- Continue coordination of prompt transportation samples to the laboratories

Cholera

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
86	5	6	State: 3 LGA: 9

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
847	4647	0	63	45	160	5.3%	3.4%

*Outbreak data added to routine data

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, weeks 1 – 52, 2021

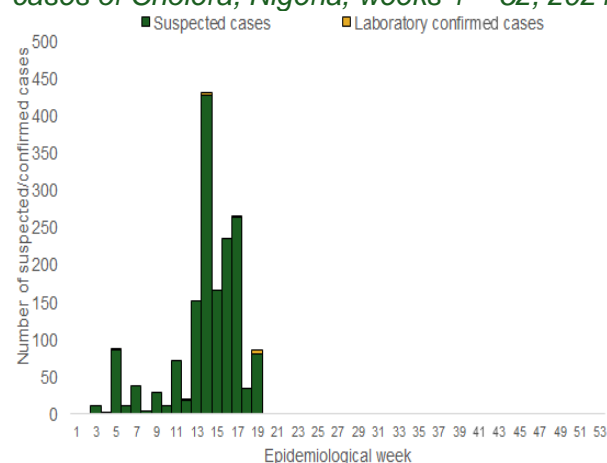
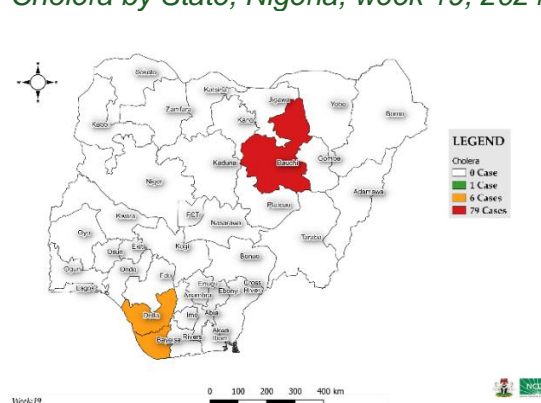


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 19, 2021



Key points

- There were 86 suspected cases of cholera reported from nine LGAs in three states (Bauchi – 79, Bayelsa – 6 & Delta – 1). Five cases were laboratory confirmed and six deaths were recorded

Actions

To date

- National Cholera Multi-Sectoral Technical Working Group (TWG) is monitoring all states and supporting affected states
- Developed the 2021 Annual Cholera Preparedness and Response Work plan
- Cholera jingles being aired in English and local languages across the country

Planned:

- Continue follow up and monitoring of non-reporting states
- Build capacity for sample collection, transportation, and laboratory diagnosis across states

Measles

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
518	0	6	State: 16 LGA: 65

Year to date (week 1 – 52)

Suspected cases	Confirmed cases	Deaths	CFR
2020 2021	2020 2021	2020 2021	2020 2021
15668 “9760	1629 “280	70 “149	0.4% 1.5%

“Outbreak data added to routine data

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, weeks 1 – 52, 2021

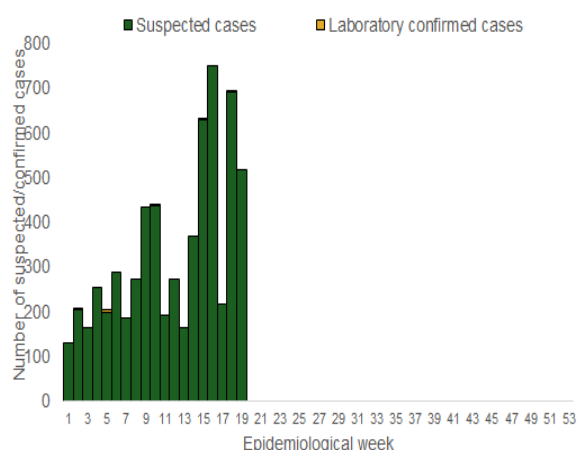
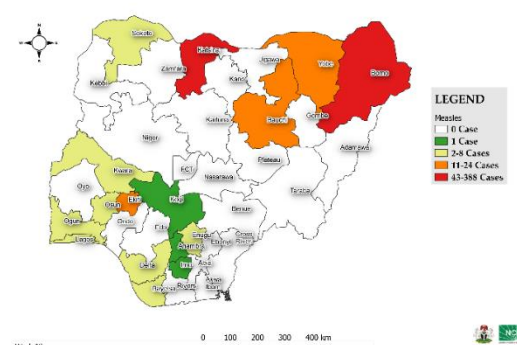


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 19, 2021



Key points

- There were 518 suspected cases of Measles reported from 65 LGAs in 16 states. None was laboratory confirmed and six deaths were recorded

Actions

To date

- National Measles TWG is closely monitoring measles surveillance data and providing feedback to relevant agencies and development partners
- Ongoing weekly surveillance and laboratory data harmonisation

Planned:

- Intensify follow up with states to update and transmit line list
- Continue monthly measles surveillance data review

Monkeypox

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
3	1	0	State: 2 LGA: 2

Year to date (week 1 – 52)

Suspected cases	Confirmed cases	Deaths	CFR
2020 2021	2020 2021	2020 2021	2020 2021
14 29	3 6	0 0	0% 0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, weeks 1 – 52, 2021

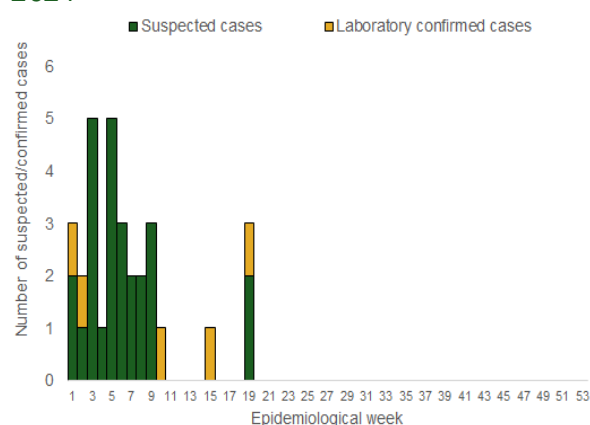
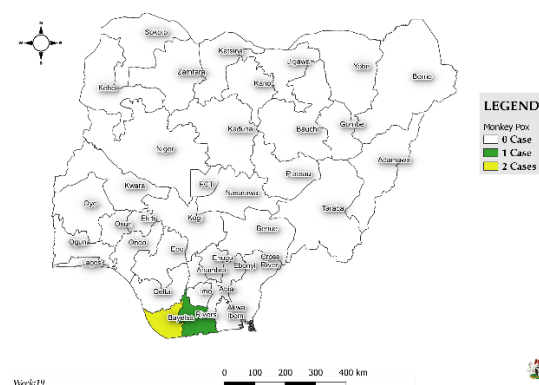


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 19, 2021



Key points

- There were three suspected cases of Monkeypox reported from two LGAs in two states (Bayelsa – 2 & Rivers – 1). One case was laboratory confirmed and no death was recorded

Actions

To date

- National Monkeypox Technical Working Group (TWG) is monitoring activities in all states

Planned:

- Enhance surveillance for monkeypox in high burden states
- Continue harmonisation of the national line list and SORMAS data

Acute Flaccid Paralysis (AFP)

Week 19

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
38	0	0	State: 16 + FCT LGA: 35

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
1415	917	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, weeks 1 – 52, 2021

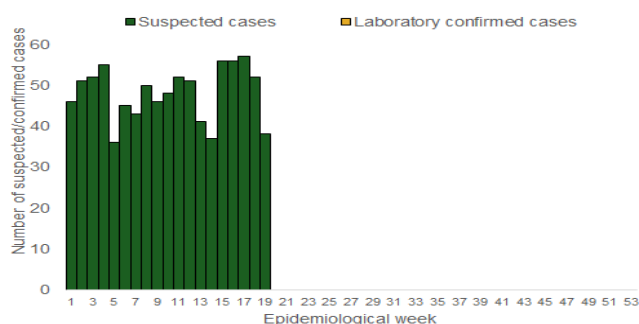
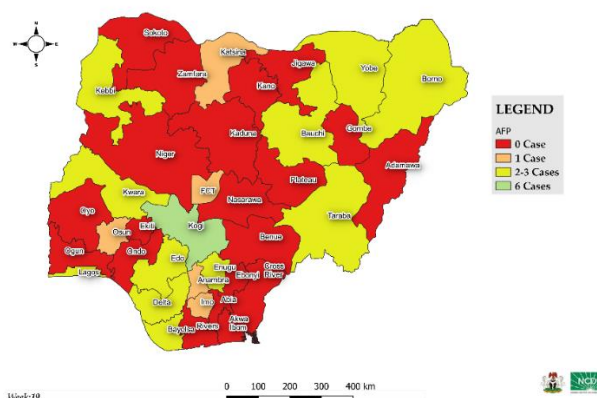


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 19, 2021



Key points

- There were 38 suspected cases of AFP reported from 35 LGAs in 16 states and FCT. None were laboratory confirmed and no death was recorded

National Influenza Sentinel Surveillance

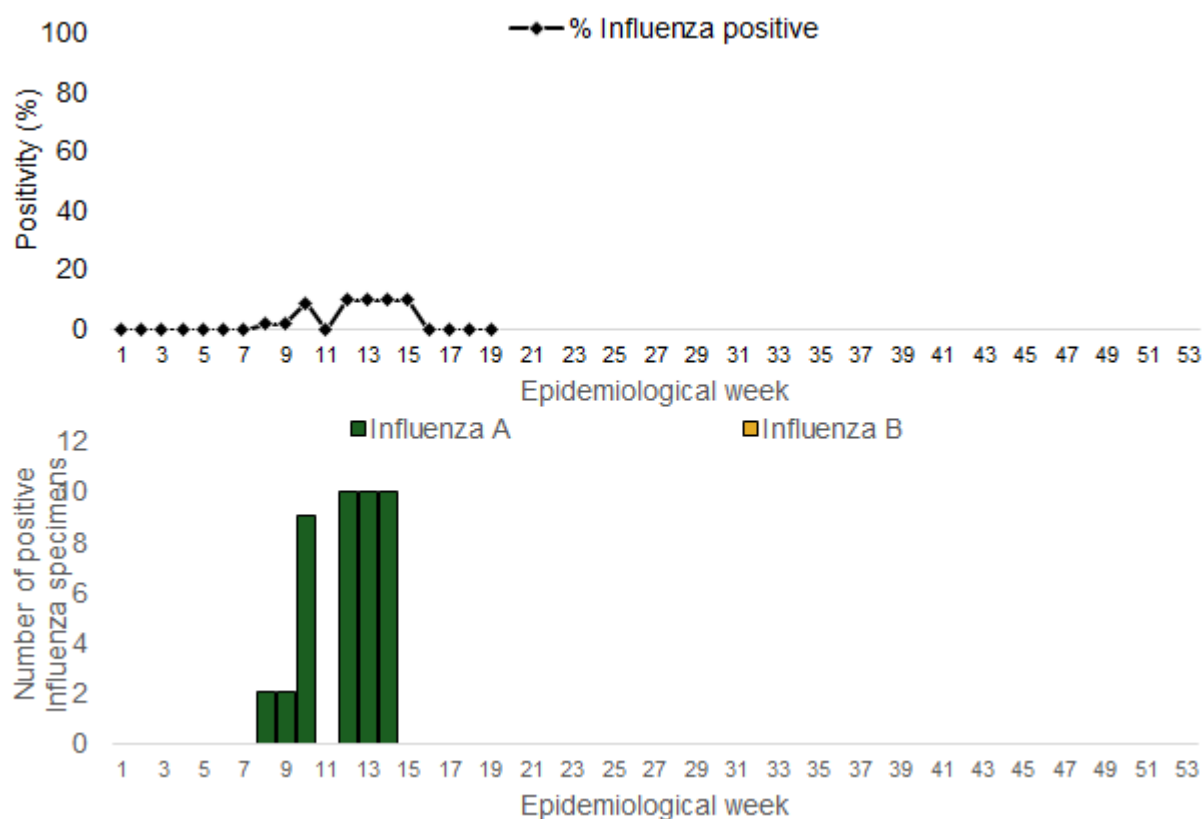
Year to date (week 1 – 19)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	592	503 (85%)	89 (15%)

Week 19

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenz a A	Influenz a B	Influenz a A	Influenz a B	Influenz a A	Influenz a B
Number	0	0	0	0	0	0
Positivity (%)	0%	0%	0%	0%	0%	0%

Figure 15: Number of influenza positive specimens by type and percent positive by epidemiological week, 2021.



Coronavirus Disease (COVID-19)

From outbreak onset (Feb 27 2020) to epi-week 21 2021

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
2,133,061	166,315	2,071	State: LGA:

Figure 16: Epidemic curve of confirmed cases of COVID-19, Nigeria, week 1, 2020 – 21, 2021

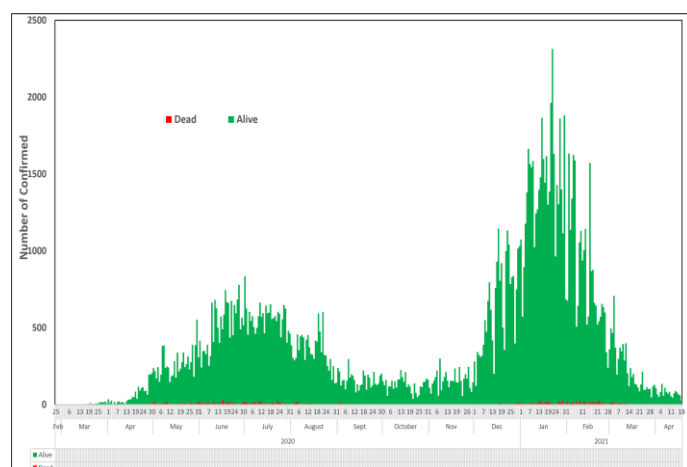
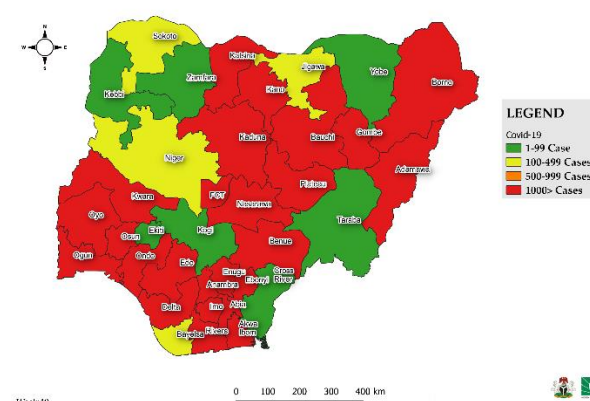


Figure 17: Location of **confirmed** cases of COVID-19 by State, Nigeria, as at week 21, 2021



Actions

To date:

- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states
- Held virtual strategic coordination meeting with state team on increasing sample collection and testing in states
- Commenced the implementation and tracking of the updated national Incident Action Plan (IAP)
- Rolled out of Surveillance Outbreak Response Management and Analysis System (SORMAS) platform to treatment facilities

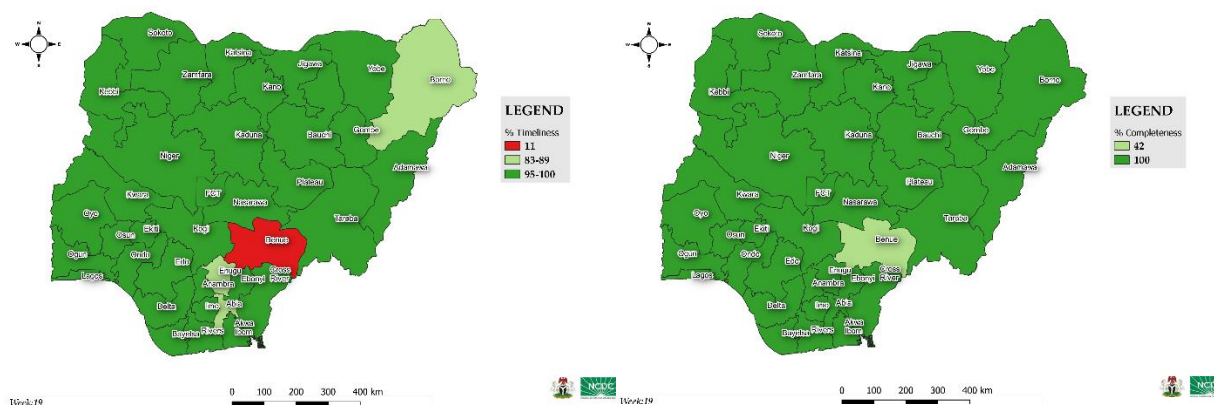
Planned:

- Deploy antigen-based rapid diagnostic test (Ag-RDT) kits and sample collection materials to the selected states
- Intensify genomic surveillance activities
- Conduct WASH (Water, Sanitation and Hygiene) assessment across all health facilities
- Finalise Local Government Area (LGA) / State transmission categorisation

Timeliness and Completeness of Reports

Week 19

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 19, 2021



Number of reports received on time, late or not received, the percentage timeliness and completeness, in the last 4 weeks and year to date

Nigeria Total Reports	Last 4 Weeks Week 16 – 19	Year to date Week 1 – 52
Reports sent on time	141	678
Reports sent late	3	14
Reports not received	4	11
Timeliness	95.1%	96.4%
Completeness	97.3%	98.4%

States with reports not received in 2021 (week 1 – 52)

State	Week(s) report not received
Benue	7, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19

Timeliness and Completeness of Reports by State

Year to date (week 1 – 52)

State	Timeliness (%)	Completeness (%)
Abia	89	100
Adamawa	100	100
Akwa Ibom	100	100
Anambra	100	100
Bauchi	100	100
Bayelsa	100	100
Benue	11	42
Borno	89	100
Cross River	100	100
Delta	100	100
Ebonyi	100	100
Edo	100	100
Ekiti	100	100
Enugu	83	100
FCT	100	100
Gombe	100	100
Imo	100	100
Jigawa	100	100
Kaduna	100	100
Kano	100	100
Katsina	100	100
Kebbi	100	100
Kogi	100	100
Kwara	100	100
Lagos	100	100
Nasarawa	100	100
Niger	100	100
Ogun	100	100
Ondo	100	100
Osun	100	100
Oyo	100	100
Plateau	95	100
Rivers	100	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	100	100