



Weekly Epidemiological Report

Week 16: 19th – 25th April 2021

Highlight of the Week

Building a strong workforce for Public Health Emergency Management in Nigeria



In the last five years, the Nigeria Centre for Disease Control (NCDC) has responded to outbreaks of epidemic prone diseases and other public health threats, adopting effective coordination through Emergency Operations Centres as one of our key strategies. In 2017, a national Public Health Emergency Operation Centre (PHEOC) was established as the NCDC Incident Coordination Centre (ICC) to serve as the national public health intelligence and response coordination hub. Using the principle of the incident management system, the ICC is being operationalised to monitor signals and coordinate outbreak response.

Aside the national ICC, the NCDC has also supported all the 36 states and the Federal Capital Territory in Nigeria to establish and support state-level PHEOCs. We are proud of our state colleagues as they continue to leverage these structures to respond to and control public health emergencies in a timely and coordinated manner. The usefulness of these structures in the overall national and state-wide response to the current coronavirus disease (COVID-19) outbreak cannot be over-emphasised.

In addition, the NCDC has continued to explore diverse opportunities and strategies to build the capacity of the critical mass of the national and sub-national frontline public health workforce. One of these is the public health emergency management (PHEM) basic course (BC) programme recently established through partnership between the NCDC and US-Centres for Disease Control and Prevention (US-CDC). This is a three tiered programme with the PHEM BC level 3 being preceded by online PHEM BC levels 1 and 2. .

In line with the above, the NCDC and US-CDC from 12th -17th April, 2021 conducted a PHEM training for public health workforce drawn from national and subnational institutions. The overall objective of the training was to strengthen the capacity of both national and sub-national frontline responders on PHEM according to minimum common standards and global best practices.

Key outputs from the training were trained public health workforce with mastery of the PHEOC terminologies; appropriate application of the seven-step decision making process; PHEOC modes of operation; basic response management principles, etc.

Expansion and capacity building of the country's public health workforce is an important aspect of disease preparedness activities. Hence, this training has provided additional pool of experts in the area of PHEM.

The NCDC will continue to support capacity building of the national and states' workforce for an effective coordination of outbreak preparedness and response for national health security.

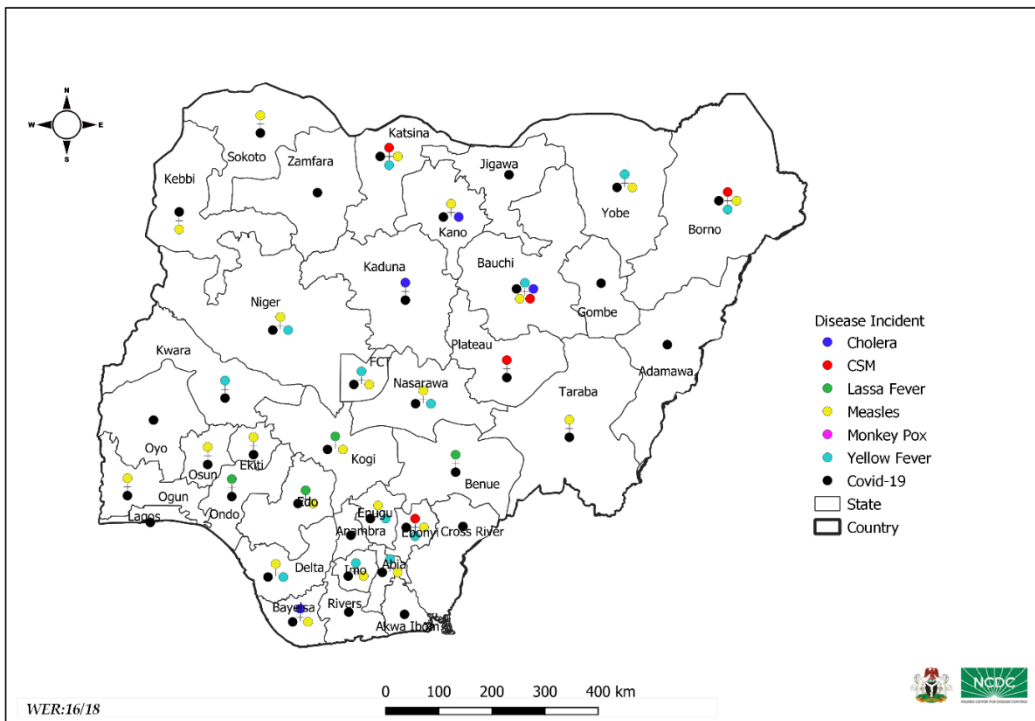
Summary of Incidents

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



Summary

Week 16: 19th – 25th April 2021

Note: Coronavirus Disease is from outbreak onset till week 18 2021: 9th May, 2021)

Lassa Fever _{1,2}	Cerebrospinal Meningitis (CSM) _{3,4}	Yellow Fever _{3,4}
63 Suspected case(s)	14 Suspected case(s)	40 Suspected case(s)
7 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
0 Death(s)	1 Death(s)	0 Death(s)
Cholera _{3,4}	Measles _{3,4}	Monkeypox _{1,4}
235 Suspected case(s)	748 Suspected case(s)	0 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
13 Death(s)	5 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP) _{3,4}	National Sentinel influenza surveillance ₅	Coronavirus Disease as at week 18 ₁
56 Suspected case(s)	0 Suspected case(s)	1,977,479 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	165,419 Confirmed case(s)
		2,065 Death(s)

Timeliness of reports ₃	Completeness of reports ₃
94.6% Last 4 weeks	97.3% Last 4 weeks
96.6% Year to date	98.6% 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 16

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
63	7	0	State: 11 LGA: 24

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
4475	1658	959	254	188	50	19.2%	19.7%

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

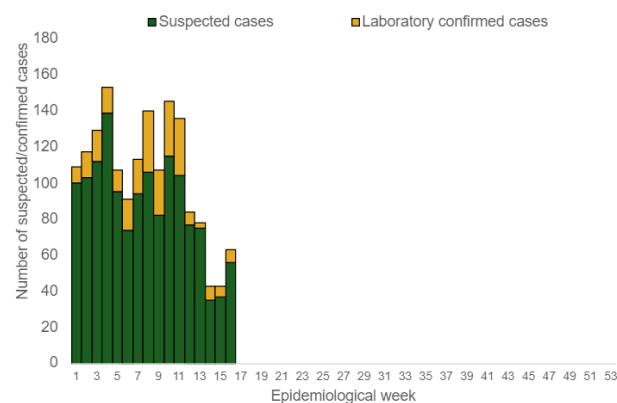
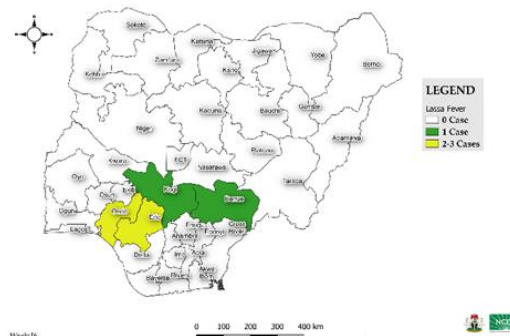


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 16, 2021



Key points

- There were 63 suspected cases, seven were laboratory confirmed and no death was recorded from 24 LGAs in 11 states

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 16

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
14	0	1	State: 4 + FCT LGA: 12

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
227	107	0	6	3	1	1.3%	0.93%

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

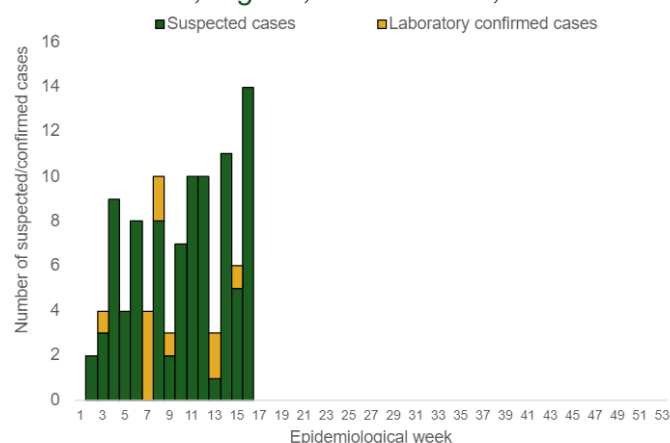
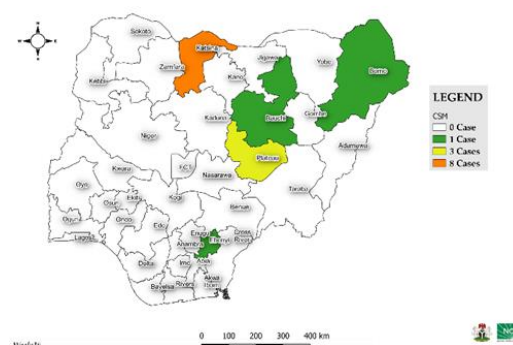


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 16, 2021



Key points

- There were 14 suspected cases of Cerebrospinal Meningitis (CSM) reported from 12 LGAs in five states (Bauchi – 1, Borno – 1, Ebonyi – 1, Katsina – 8 & Plateau - 3). None 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 16

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
40	0	0	State:10 + FCT LGA: 34

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
719	433	6	0	0	1	0%	0%

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

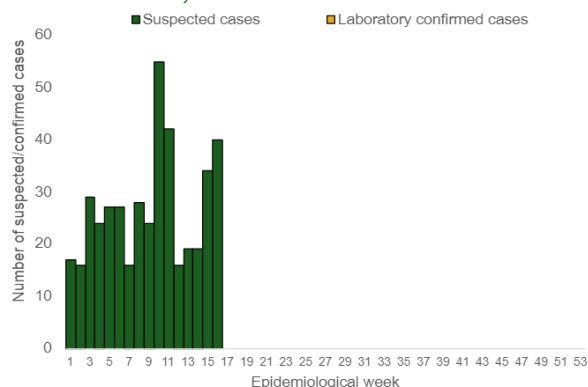
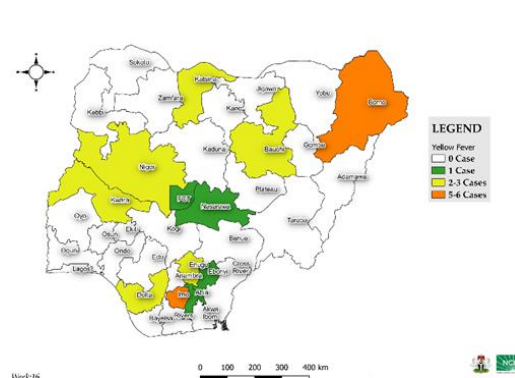


Figure 6: Location of suspected cases of Yellow Fever by States, Nigeria, week 16, 2021



Key points

- There were 40 suspected cases of Yellow Fever (YF) reported from 34 LGAs in 10 states and FCT. 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 16

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
235	0	13	State: 5 LGA: 11

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
749	*3648	0	5	31	*124	4.1%	3.4%

*Outbreak data added to routine data

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

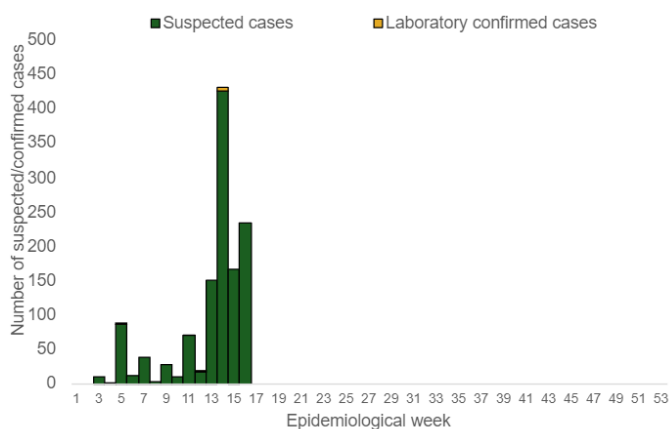
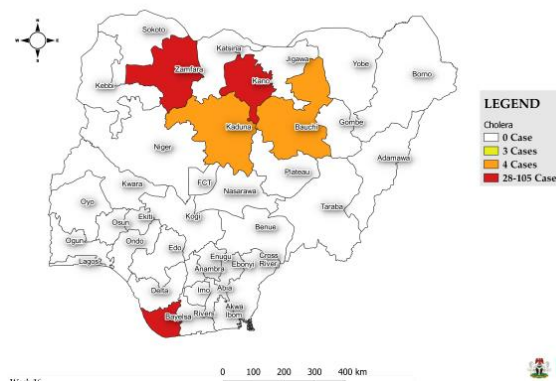


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 16, 2021



Key points

- There were 235 suspected cases of cholera reported from 11 LGAs in five states (Bauchi – 4, Bayelsa – 28, Kaduna – 3, Kano – 105 & Zamfara - 95). None were laboratory confirmed and thirteen 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 16

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
748	0	5	State: 22 + FCT LGA: 109

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
12180	7578	636	64	52	23	0.4%	0.4%

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

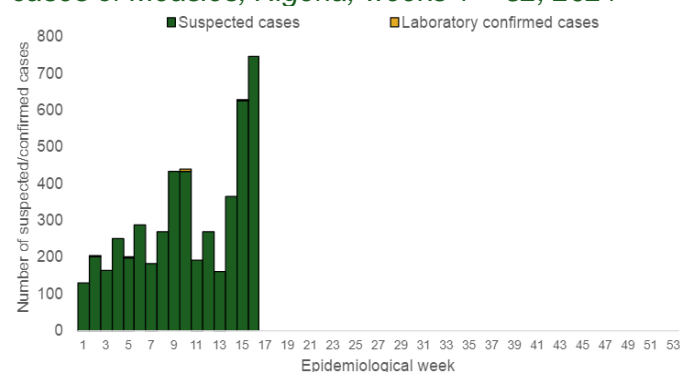
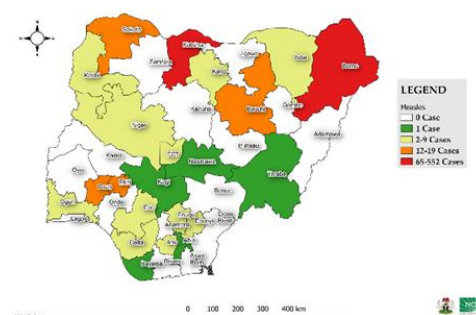


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 16, 2021



Key points

- There were 748 suspected cases of measles reported from 109 LGAs in 22 states and FCT. None were laboratory confirmed and five 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 16

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

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
14	26	3	5	0	0	0%	0%

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

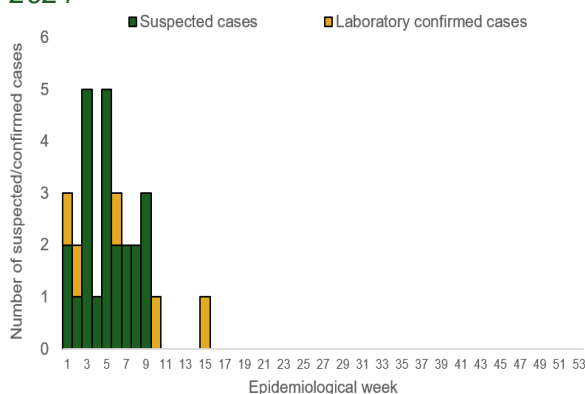
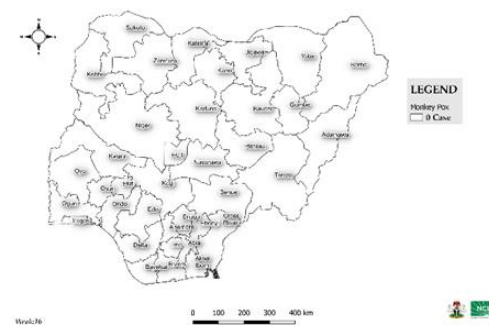


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 16, 2021



Key points

- There was no case of monkeypox recorded for this week

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 16

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
56	0	0	State: 18 LGA: 49

Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2020	2021	2020	2021	2020	2021	2020	2021
1253	770	0	0	0	0	0%	0%

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

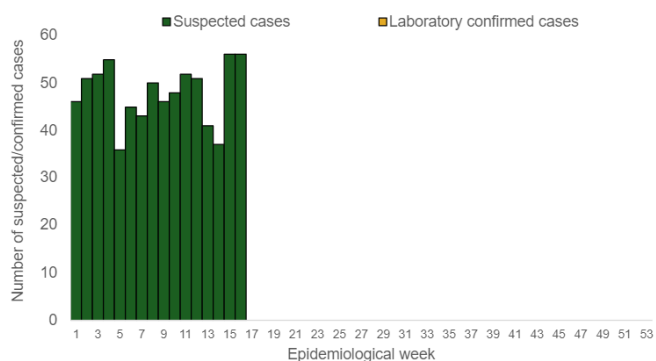
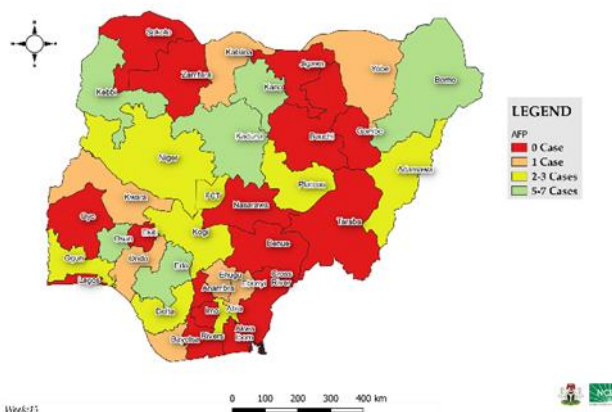


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 16, 2021



Key points

- There were 56 suspected cases of AFP reported from 49 LGAs in 18 states. None were laboratory confirmed and no death was recorded

National Influenza Sentinel Surveillance

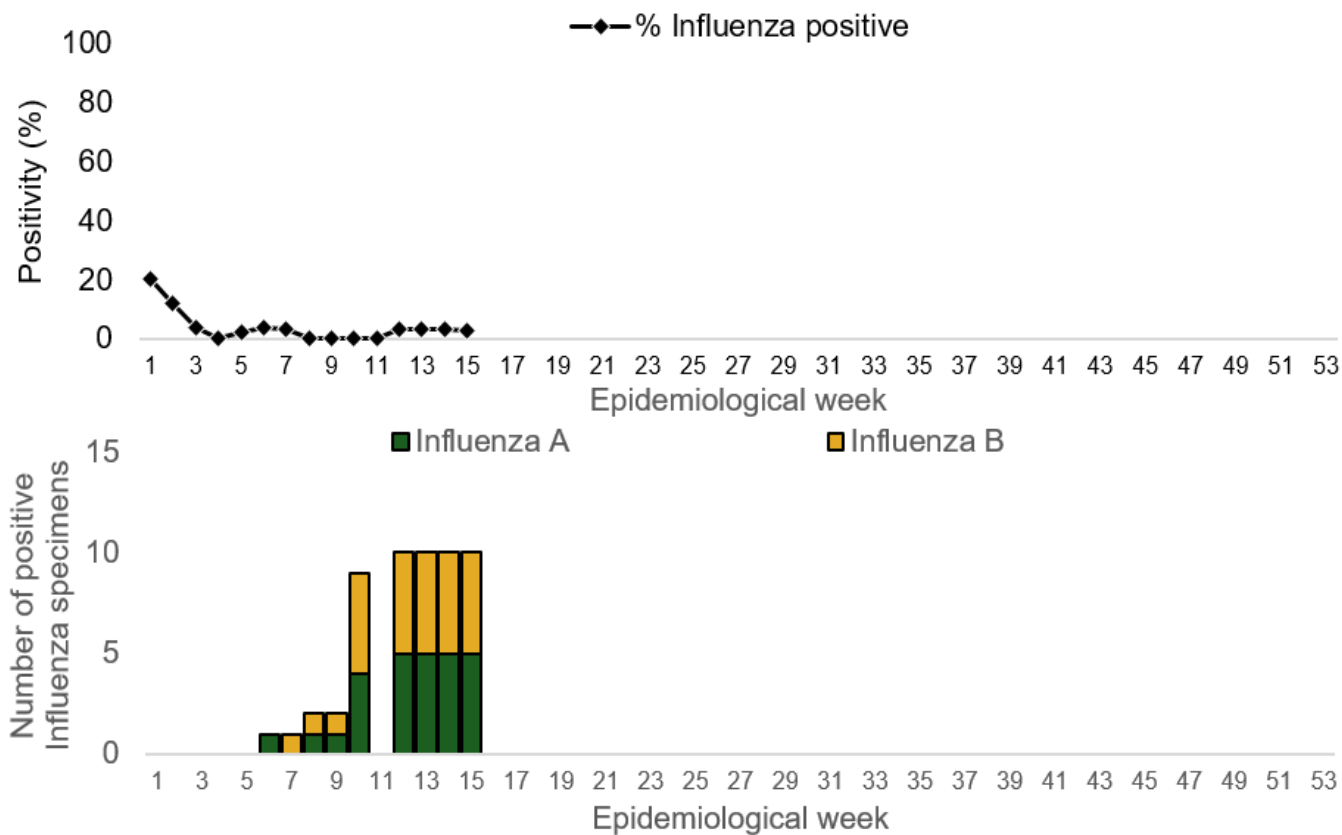
Year to date (week 1 – 16)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	504	433 (86%)	71 (14%)

Week 15

	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 18 2021

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
1,977,479	165,419	2,065	State: LGA:

Figure 16: Epidemic curve of confirmed cases of COVID-19, Nigeria, week 1, 2020 – 18, 2021

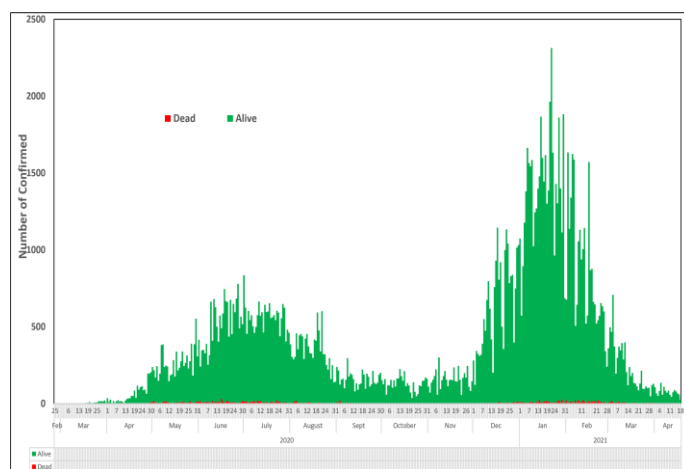
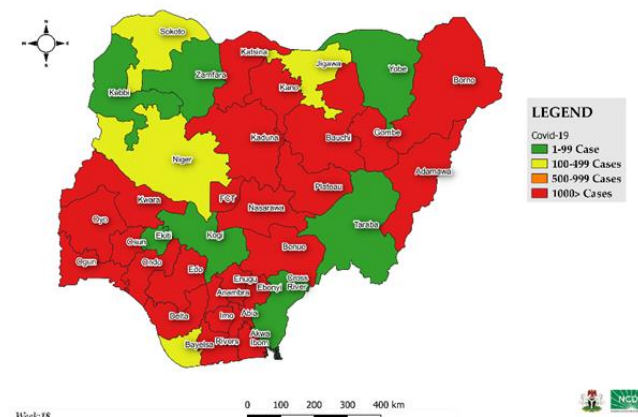


Figure 17: Location of confirmed cases of COVID-19 by State, Nigeria, as at week 18, 2021



Actions

To date:

- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states
- Continued tracking and collation of data from States for strategic coordination
- Finalised plans to commence screening and triage training in tertiary health facilities
- Supported the deployment of Ag-RDT in Internally Displaced Persons' (IDPs) Camp in Abuja

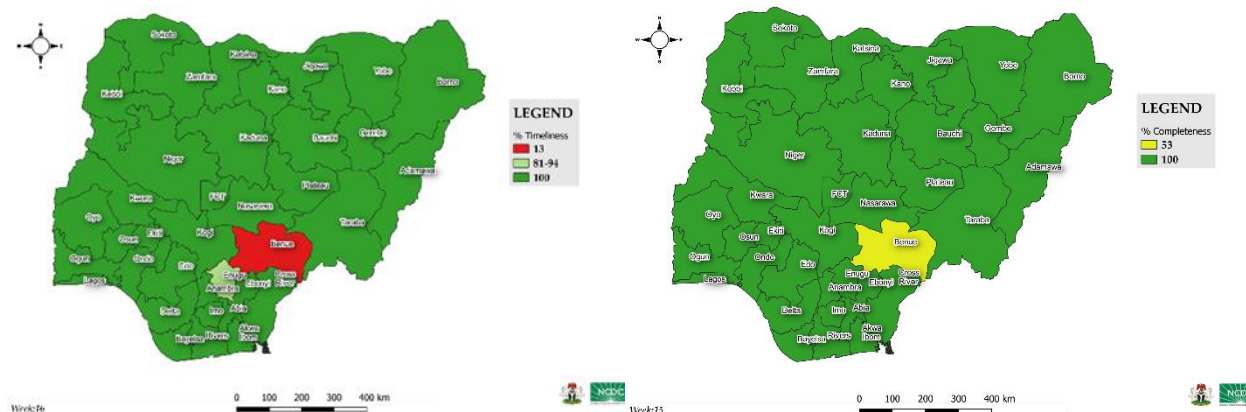
Planned:

- 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 16

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 16, 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 13 – 16	Year to date Week 1 – 52
Reports sent on time	140	572
Reports sent late	4	12
Reports not received	4	8
Timeliness	94.6%	96.6%
Completeness	97.3%	98.6%

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

Timeliness and Completeness of Reports by State

Year to date (week 1 – 52)

State	Timeliness (%)	Completeness (%)
Abia	94	100
Adamawa	100	100
Akwa Ibom	100	100
Anambra	100	100
Bauchi	100	100
Bayelsa	100	100
Benue	13	50
Borno	94	100
Cross River	100	100
Delta	100	100
Ebonyi	100	100
Edo	100	100
Ekiti	100	100
Enugu	81	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	94	100
Rivers	100	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	100	100