



**Nigeria Centre for Disease Control**

*Protecting the health of Nigerians*

## Weekly Epidemiological Report

Week 47: 16<sup>th</sup> – 22<sup>nd</sup> November 2020

### Highlight of the Week

#### Optimising sample collection for cerebrospinal meningitis management in Nigeria



Cerebrospinal Meningitis (CSM) is one of the priority epidemic-prone diseases that is reported all year round in Nigeria. Despite its endemicity, CSM has predilection for dry season with peak between January and May. It is characterised by acute severe infection of the central nervous system (CNS) causing inflammation of the meninges with morbidity and mortality. Highest burden occurs in the part of sub-Saharan Africa known as the “Meningitis Belt. In Nigeria, the belt covers all the 19 northern states and the Federal Capital Territory (FCT).

In the last few years, low sample collection rates have been reported resulting in low confirmation rates. In 2019, only 30 (3.9%) of the suspected cases of meningitis were confirmed. The report of the recent After Action Review also corroborates low CSF collection rates as well as poor sample handling. It is against this backdrop that the Nigeria Centre for Disease Control (NCDC) has continued to intensify efforts to optimise sample collection and ensure effective management of confirmed cases.

As part of the preparedness activities for 2020/2021 peak season, the Nigeria Centre for Disease Control (NCDC) has sent alert letters to states to put necessary public health measures in place. We are supporting them in the areas of training and retraining of their public and clinical workforce to ensure they are well equipped with prerequisite knowledge and skill set for timely detection and effective management of cases.

In line with the above, the Nigeria Centre for Disease Control from 24<sup>th</sup> – 26<sup>th</sup> November, 2020 conducted a training on case management, sample and data management for Clinicians as well as Disease Surveillance and Notification Officers in Kebbi State. Other key states had previously being trained in these areas. The objectives of the training were to:

1. Train clinicians on case definition and clinical management of meningitis cases
2. Develop clinicians’ competence and skills in performing the lumbar puncture procedure and CSF sample handling
3. Improve health workers knowledge on packaging and transportation of CSF samples
4. Improve the working relationship between clinicians and their respective LGA DSNOs
5. Raise awareness of the BLoTIMA study proposed to take place in the state: This is an ongoing study to enhance bacterial diagnosis of CSM in five Northern States.

With 21 LGA DSNOs, 26 clinicians and four rapid team members trained, key outputs from the meeting were increased skills in CSF collection and management among the trainees. The NCDC will continue to support the sub-national level to improve CSF collection and data gathering for timely decision making. We are working towards reducing significantly, the morbidity and mortality associated with CSM in Nigeria.

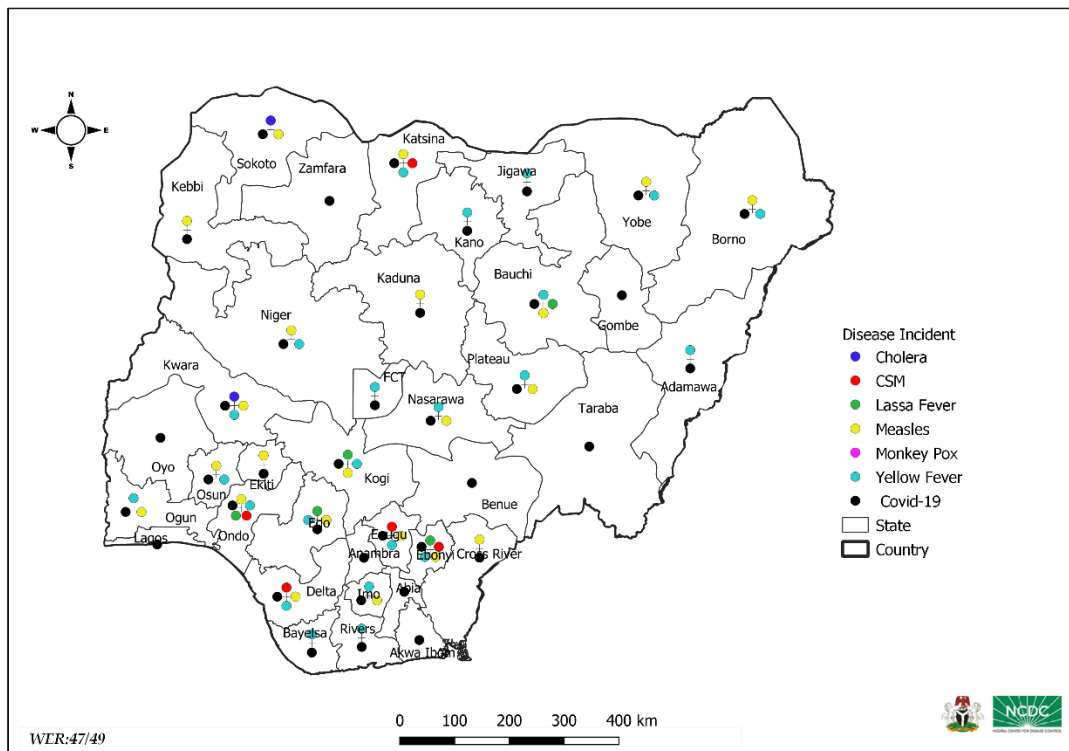
## Summary of Incidents

### Ongoing incidents

2

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

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



## Summary

**Week 47: 16<sup>th</sup> – 22<sup>nd</sup> November 2020 (Coronavirus Disease as at 6<sup>th</sup> December 2020)**

<b>Lassa Fever<sub>1,2</sub></b>	<b>Cerebrospinal Meningitis (CSM)<sub>3,4</sub></b>	<b>Yellow Fever<sub>3,4</sub></b>
81 Suspected case(s)	12 Suspected case(s)	129 Suspected case(s)
10 Confirmed case(s)	1 Confirmed case(s)	1 Confirmed case(s)
2 Death(s)	0 Death(s)	6 Death(s)
<b>Cholera<sub>3,4</sub></b>	<b>Measles<sub>3,4</sub></b>	<b>Monkeypox<sub>1,4</sub></b>
19 Suspected case(s)	122 Suspected case(s)	0 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
0 Death(s)	0 Death(s)	0 Death(s)
<b>Acute Flaccid Paralysis (AFP)<sub>3,4</sub></b>	<b>National Sentinel influenza surveillance<sub>5</sub></b>	<b>Coronavirus Disease as at week 47<sub>2</sub></b>
103 Suspected case(s)	0 Suspected case(s)	812,598 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	69,255 Confirmed case(s)
		1,180 Death(s)

<b>Timeliness of reports<sub>3</sub></b>	<b>Completeness of reports<sub>3</sub></b>
97.3% Last 4 weeks	97.3% Last 4 weeks
92.7% 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 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
81	10	2	State: 5 LGA: 5

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
4681	6333	785	1148	160	237	20.4%	20.6%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Weeks 1 – 47, 2020

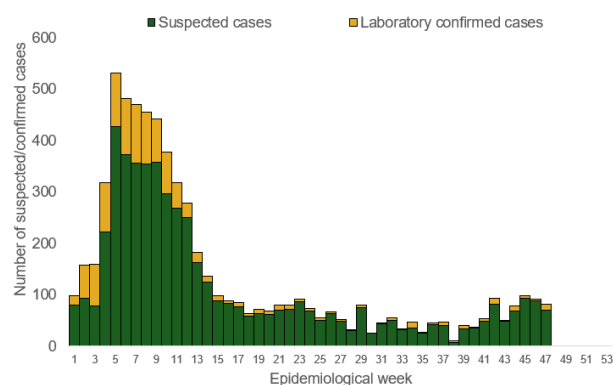
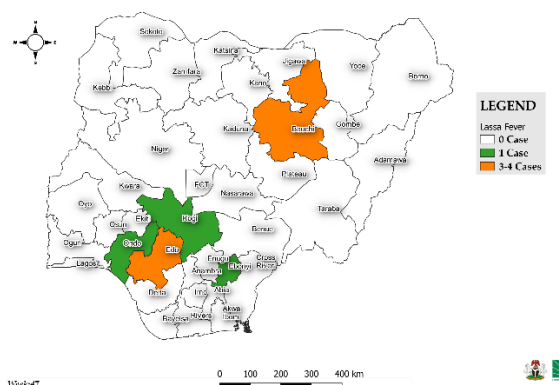


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 47, 2020



### Key points

- There were 81 suspected cases, 10 were laboratory confirmed and two deaths were recorded from 5 LGAs in 5 States

### Actions

#### To date:

- National Lassa fever multi-partner, multi-sectoral Technical Working Group (TWG) continues to coordinate the response activities at all levels
- Enhanced surveillance (contact tracing and active case finding) ongoing in affected States
- Response commodities- PPEs, Ribavirin (Injection and tablets), beds, tents, body-bags, thermometers, hypochlorite hand sanitizers, IEC materials, guidelines and SOPs distributed to States and treatment centres

#### Planned:

- Continue mobilisation of resources
- Finalisation of Lassa fever five-year Strategic plan

## Cerebrospinal Meningitis (CSM)

### Week 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
12	1	0	State: 5 LGA: 6

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
2053	615	126	15	103	13	5%	2.1%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, weeks 1 – 47, 2020

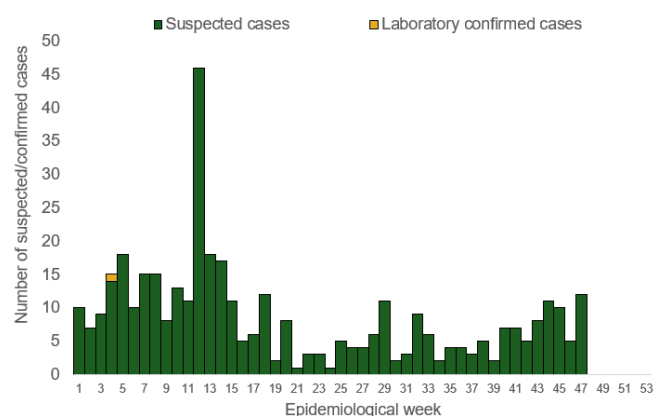
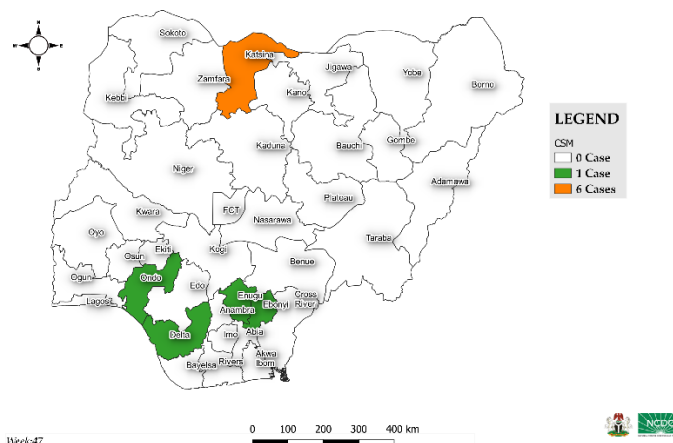


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 47, 2020



### Key points

There were 12 suspected cases of Cerebrospinal Meningitis (CSM) reported from six LGAs in five States (Delta – 1, Ebonyi – 1, Enugu – 1, Katsina – 8 & Ondo – 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 cerebrospinal fluid for testing

## Yellow Fever

### Week 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
129	1	6	State: 21 + FCT LGA: 56

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
3257	2700	10	38	44	9	1.4%	0.3%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, weeks 1 – 47, 2020

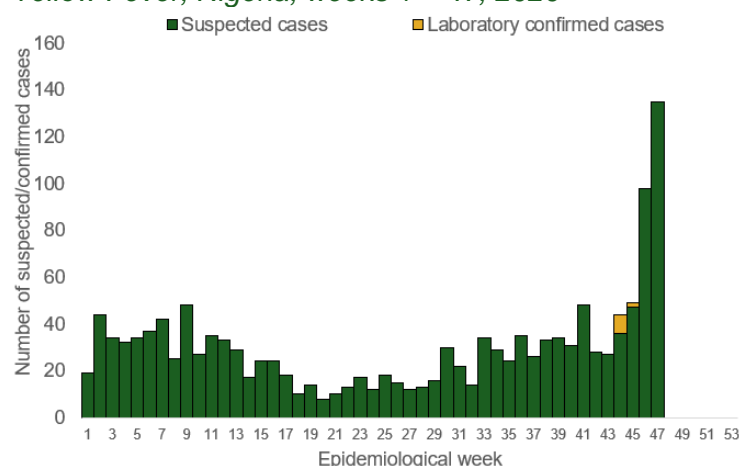
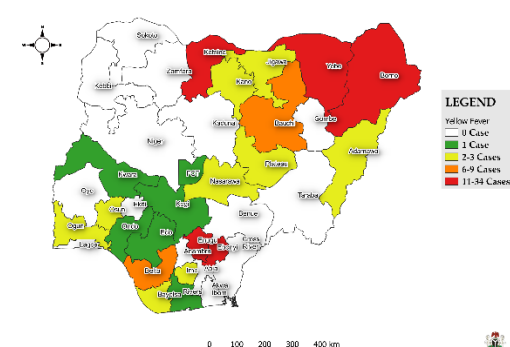


Figure 6: Location of suspected cases of Yellow Fever by States, Nigeria, week 47, 2020



### Key points

- There were 129 suspected cases of Yellow Fever (YF) reported from 56 LGAs in 21 States and FCT. One was laboratory confirmed and no death was recorded

### Actions

#### To date:

- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states

#### Planned:

- Finalise ICG request for reactive mass vaccination in Enugu and Bauchi States
- Print IEC materials and distribute to States to sensitise communities and increase awareness for YF
- Continue to support affected states across all pillars of response
- Continue harmonisation of surveillance and laboratory data ongoing

## Cholera

### Week 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
19	0	0	State: 2 LGA: 3

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
3425	1776	588	55	59	95	1.7%	5.3%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, weeks 1 – 47, 2020

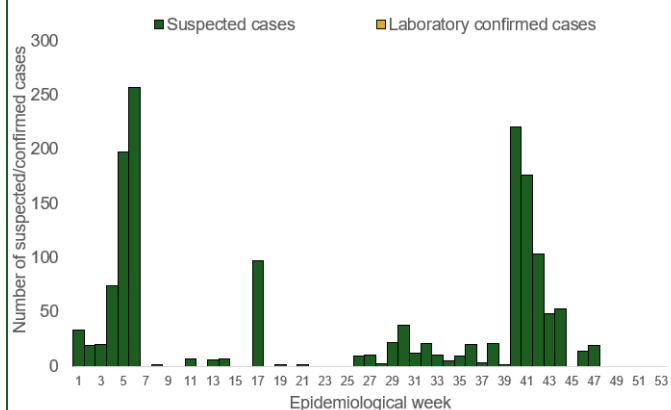
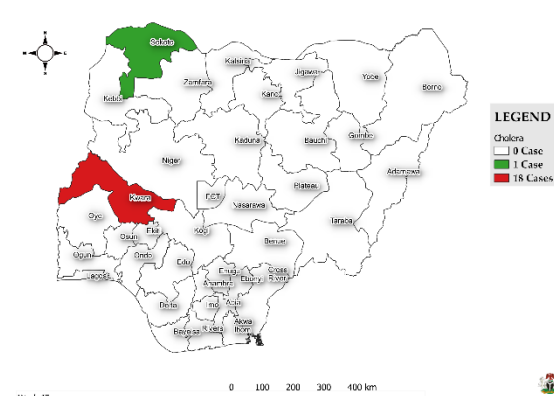


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 47, 2020



### Key points

There were 19 suspected cases of Cholera reported from three LGAs in two States (Kwara – 18 & Sokoto – 1). None was laboratory confirmed and no death was recorded

### Actions

#### To date

- National Cholera Multi-Sectoral Technical Working Group (TWG) is monitoring all States and supporting affected States

#### Planned:

- Continue follow up and monitoring of non-reporting States
- Continue harmonisation of the national line list and SORMAS data



## Measles

### Week 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
122	0	0	State: 20 LGA: 63

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
58580	25025	1881	2428	288	132	0.5%	0.5%

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, weeks 1 – 47, 2020

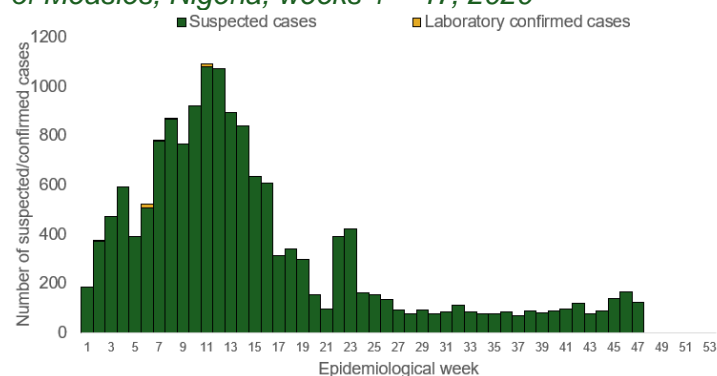
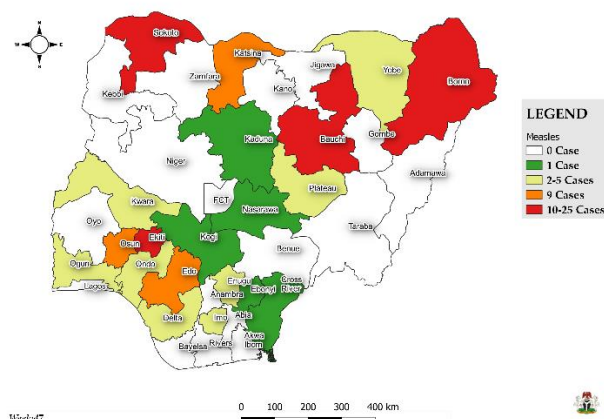


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 47, 2020



### Key points

- There were 122 suspected cases of measles reported from 63 LGAs in 20 States. None was laboratory confirmed and no death was recorded

### Actions

#### To date

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

#### Planned:

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



## Monkeypox

### Week 47

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

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
102	31	43	6	2	0	2%	0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, weeks 1 – 47, 2020

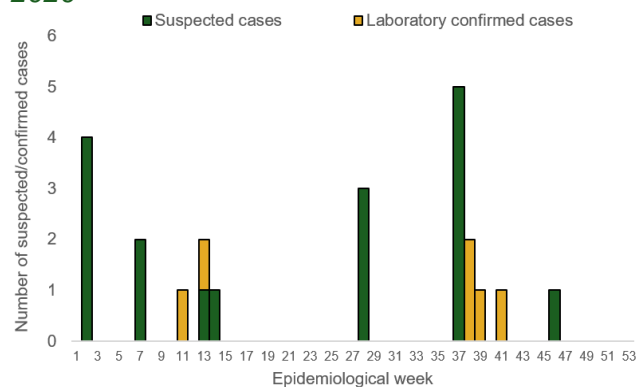
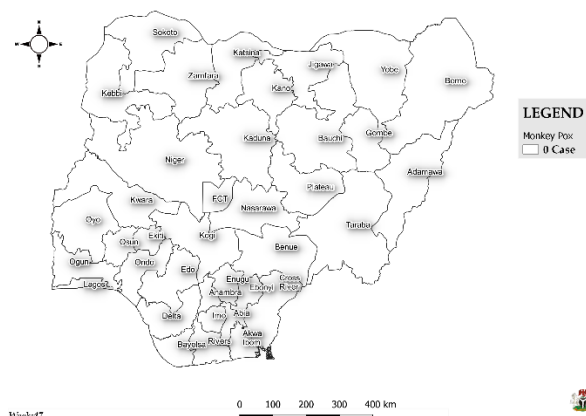


Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 47, 2020



### Key points

- There was no suspected case of Monkeypox in the reporting 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 47

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
103	0	0	State: 28 + FCT LGA: 87

### Year to date (week 1 – 47)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
5883	4139	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, weeks 1 – 47, 2020

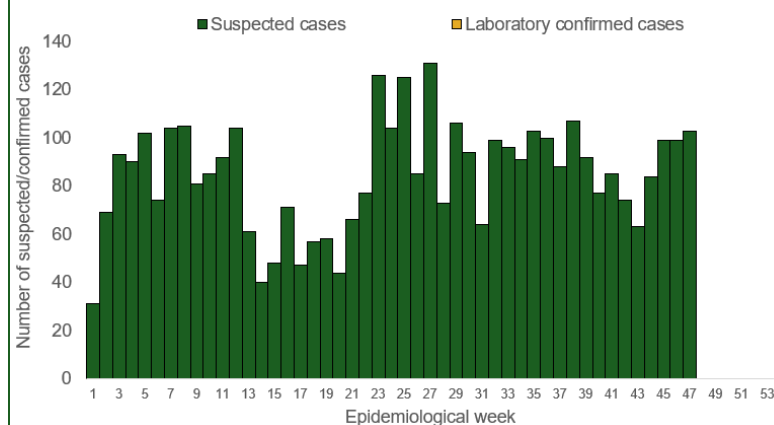
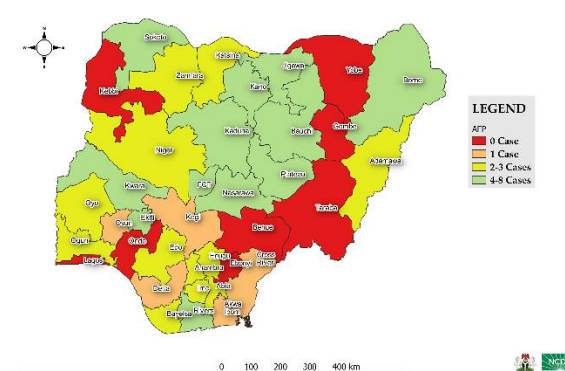


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 47, 2020



### Key points

- There were 103 suspected cases of AFP reported from 87 LGAs in 28 States and FCT. None was laboratory confirmed and no death was recorded

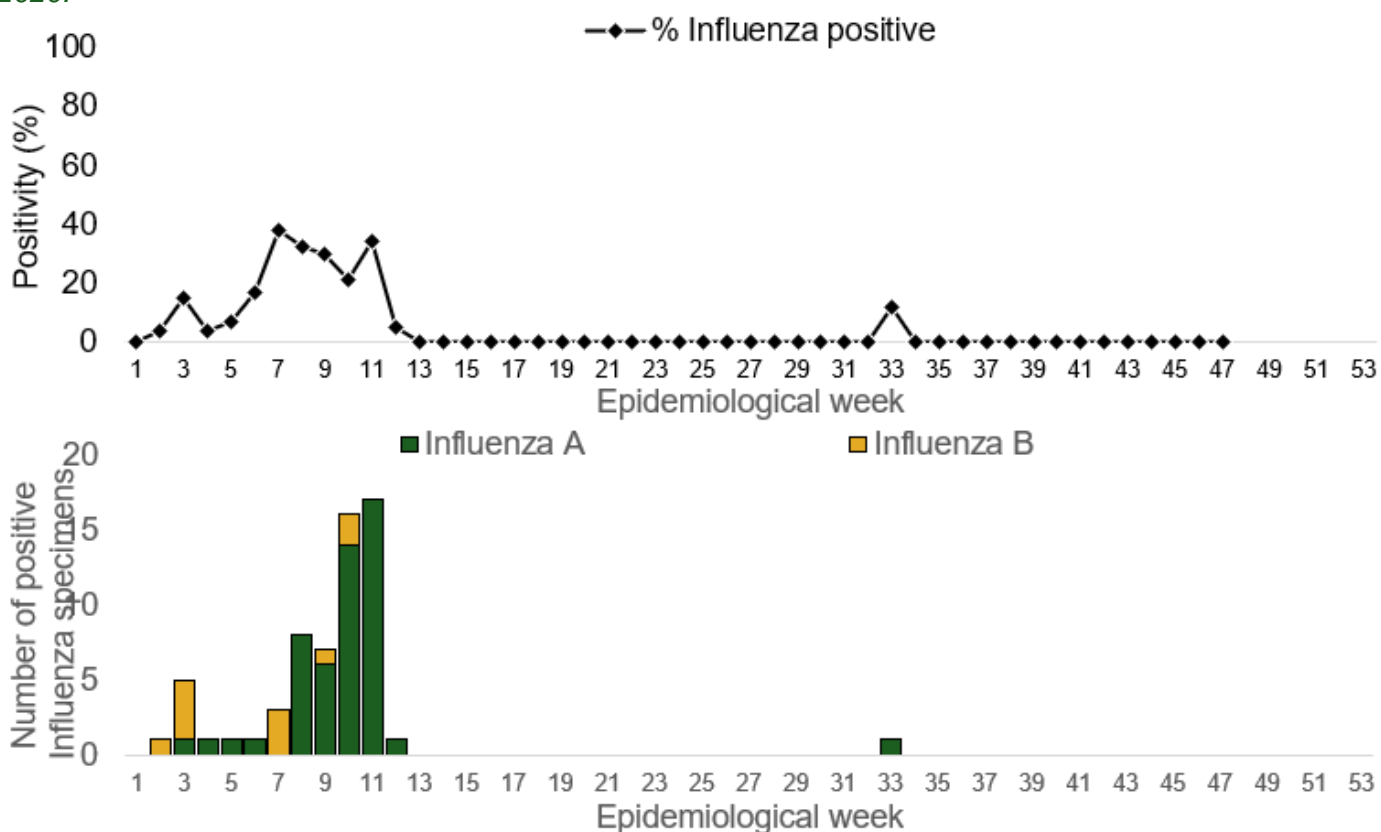
## National Influenza Sentinel Surveillance

### Year to date (week 1 – 47)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	407	326 (80.1%)	81 (19.9%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	54	11	44	8	9	3
Positivity (%)	83.1%	16.9%	13.5%	2.5%	11.1%	3.7%

Figure 15: Number of influenza positive specimens by type and percent positive by epidemiological week, 2020.



### Key points

- The subtypes A seasonal H3, 2009A/H1N1 and A/not subtyped account for 0(0.0%), 17(31.5%) and 37(68.5%) of the total influenza A positive samples respectively. The subtypes B VICTORIA, B Not subtyped and B Yamagata account for 3(27.3%), 8(72.7%) and 0(0.0%) of the total Influenza B positive samples respectively
- The percentage Influenza positive was highest in week 7 with 37.5%.

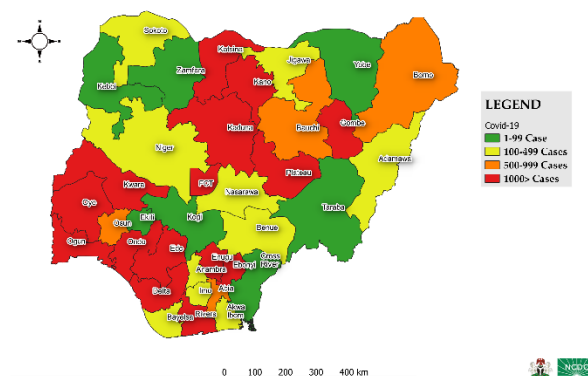
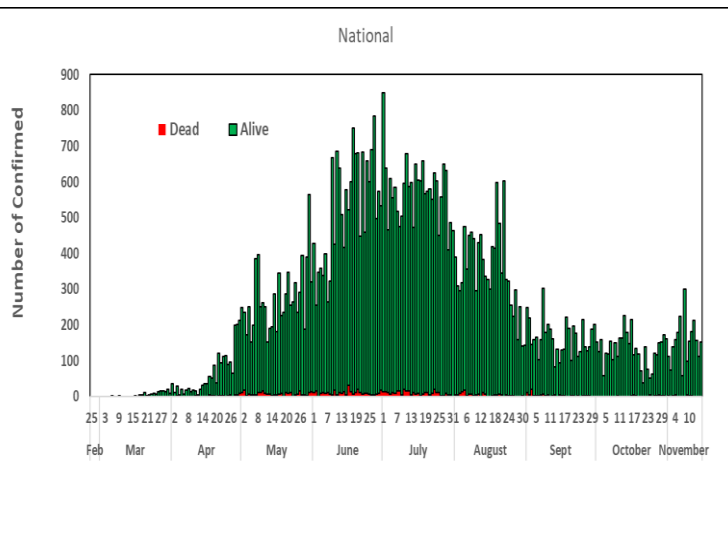
**Coronavirus Disease (COVID-19)**

**As at week 49**

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
812,598	69,255	1,180	State: LGA:

Figure 15: Epidemic curve of confirmed cases of COVID-19, Nigeria, week 1 – 48, 2020

Figure 16: Location of **confirmed** cases of COVID-19 by State, Nigeria, as at week 48, 2020



**Actions**

**To date:**

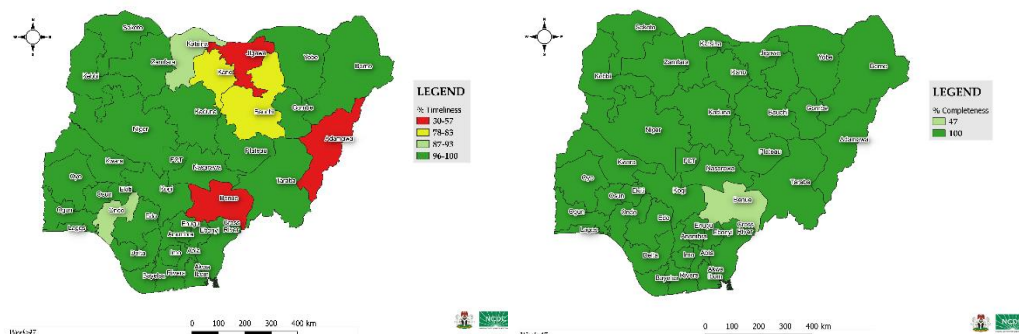
- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states
- Ongoing monitoring and tracking of the implementation of State Incident Action Plan (IAP) activities for COVID-19
- Ongoing support for the NYSC stream testing as part of camp screening procedures
- Organised and supervised weekly data analysis meeting for private laboratories testing inbound travels

**Planned:**

- Finalise plans with PTF on testing 450 persons per Local Government Area (LGA) in a survey
- Conduct e-fresher courses training for IPC trainers
- Develop plan routine testing for COVID-19
- Follow up with assessment of hand hygiene facilities under the Orange Network programme
- Finalise laboratory quality assurance plan

**Last 4 weeks (44 – 47, 2020)**

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), weeks 44 - 47, 2020



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

<b>Nigeria Total Reports</b>	<b>Last 4 weeks Week 44 – 47</b>	<b>Year to date Week 1 – 47</b>
Reports sent on time	144	1612
Reports sent late	0	102
Reports not received	4	25
Timeliness	97.3%	92.7%
Completeness	97.3%	98.6%

**States with reports not received in 2020 (week 1 – 47)**

<b>State</b>	<b>Week(s) report not received</b>
Benue	21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46 & 47

**Year to date (week 1 – 47)**

<b>State</b>	<b>Timeliness (%)</b>	<b>Completeness (%)</b>
Abia	98	100
Adamawa	57	100
Akwa Ibom	98	100
Anambra	98	100
Bauchi	83	100
Bayelsa	100	100
Benue	30	47
Borno	98	100
Cross River	96	100
Delta	100	100
Ebonyi	98	100
Edo	100	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	94	100
Imo	100	100
Jigawa	57	100
Kaduna	94	100
Kano	79	100
Katsina	91	100
Kebbi	100	100
Kogi	100	100
Kwara	98	100
Lagos	96	100
Nasarawa	100	100
Niger	100	100
Ogun	96	100
Ondo	87	100
Osun	96	100
Oyo	98	100
Plateau	100	100
Rivers	100	100
Sokoto	98	100
Taraba	94	100
Yobe	100	100
Zamfara	98	100