



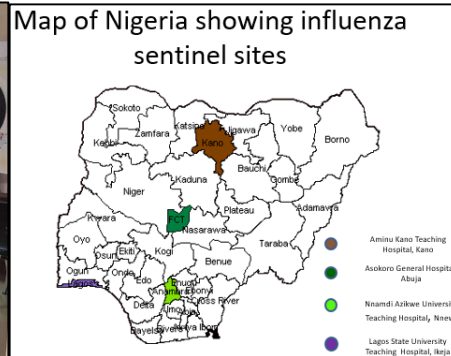
**Nigeria Centre for Disease Control**  
*Protecting the health of Nigerians*

## Weekly Epidemiological Report

Week 52: 21<sup>st</sup> – 27<sup>th</sup> December 2020

### Highlight of the Week

#### Strengthening Influenza and COVID-19 surveillance in Nigeria



Globally, viruses have led to large scale public health events such as pandemics. Besides the associated morbidity and mortality, they also cause huge socio-economic, educational and political disruption with almost all facets of lives affected. In the past, the world has witnessed pandemics like Spanish flu (1918), Swine flu (2009), Severe Acute Respiratory Syndrome (2002) and Middle East Respiratory Syndrome (2012). The ongoing coronavirus disease (COVID-19) pandemic is not an exception.

The Nigeria Centre for Disease Control (NCDC) has continued to work closely with relevant stakeholders to strengthen national preparedness and response capacities for global influenza outbreaks. We are currently working towards establishing an effective and sensitive in-country surveillance system capable of timely detecting all cases presenting with clinical signs and symptoms that may be indicative of influenza or COVID-19. This will be streamlined into the National Integrated Disease Surveillance and Response Strategy.

In line with the above, the NCDC is supporting states to strengthen existing National Influenza Sentinel Sites (NISS) through capacity building of workforce as well as logistics support. This is expected to enhance timely case detection, continuous data generation and analysis for informed decision making.

In addition to data on influenza now included in our weekly epidemiological report (WER), we are also introducing a section with highlights on key preparedness and response activities around influenza and COVID-19 in the sentinel sites. Some of the progress recorded as well as ongoing and planned activities include:

1. Established influenza sentinel sites in all six geo-political zones in Nigeria. Currently, there are seven active sites while three have been assessed for operationalisation
2. Sensitised and created awareness on active sentinel sites, with State Ministries of Health
3. Constituted National Technical Working Groups to ensure regular updates of data and coordination of preparedness and response activities
4. Ongoing implementation of developed work plan supported by US Centers for Disease Control (US-CDC)
5. To begin combined influenza and COVID-19 screening/ diagnostic services for all suspected cases using multiplex kits
6. Expand sentinel sites to all the 36 states plus the Federal Capital Territory (one each in urban and rural areas per state)
7. Set up different pillars within the TWGs for holistic coordination of activities

We are particularly grateful to the World Health Organisation and US-CDC for their continuous support in strengthening influenza surveillance in Nigeria.

The NCDC will continue to provide necessary support to ensure an effective and efficient system is established for influenza surveillance in Nigeria.

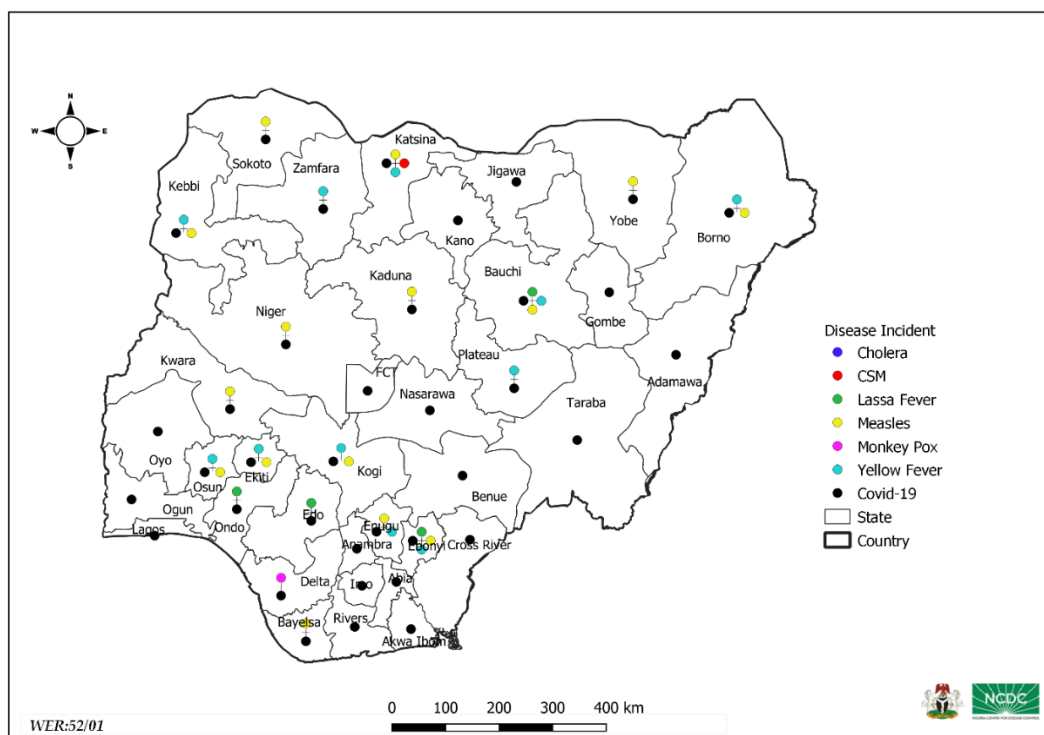
## Summary of Incidents

### 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 52: 21<sup>st</sup> – 27<sup>th</sup> December 2020 (Coronavirus Disease as at 10<sup>th</sup> January 2021)**

Lassa Fever <sub>1,2</sub>	Cerebrospinal Meningitis (CSM) <sub>3,4</sub>	Yellow Fever <sub>3,4</sub>
64 Suspected case(s)	1 Suspected case(s)	36 Suspected case(s)
6 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
1 Death(s)	0 Death(s)	0 Death(s)
Cholera <sub>3,4</sub>	Measles <sub>3,4</sub>	Monkeypox <sub>1,4</sub>
0 Suspected case(s)	71 Suspected case(s)	1 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	0 Confirmed case(s)
0 Death(s)	3 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP) <sub>3,4</sub>	National Sentinel influenza surveillance <sub>5</sub>	Coronavirus Disease as at week 1 <sub>2</sub>
49 Suspected case(s)	0 Suspected case(s)	1,121,484 Suspected case(s)
0 Confirmed case(s)	0 Confirmed case(s)	100,087 Confirmed case(s)
		1,358 Death(s)

Timeliness of reports <sub>3</sub>	Completeness of reports <sub>3</sub>
100% Last 4 weeks	100% Last 4 weeks
93.2% Year to date	100% 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 52

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
64	6	1	State: 10 LGA: 27

### Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
5057	6732	833	1181	174	242	20.9%	20.5%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Weeks 1 – 52, 2020

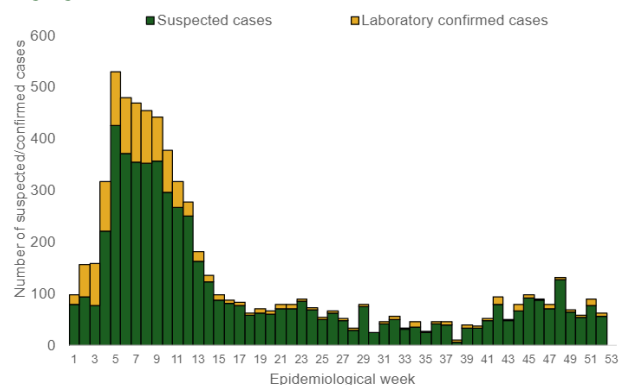
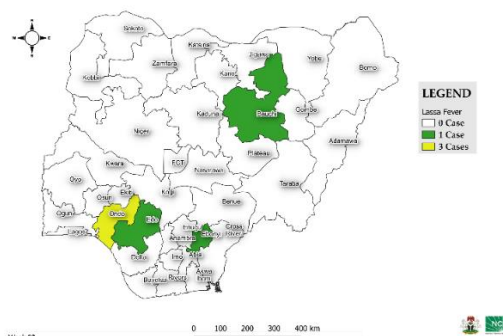


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 52, 2020



### Key points

- There were 64 suspected cases, six were laboratory confirmed and one death was recorded from four LGAs in 4 States

### Actions

#### To date:

- National Lassa fever multi-partner, multi-sectoral Technical Working Group (TWG) continues to coordinate response activities at all levels
- Risk communication and community engagement activities have been scaled up across states using television, radio, print and social media

#### Planned:

- Continue mobilisation of resources
- Finalise Lassa fever five-year strategic plan

## Cerebrospinal Meningitis (CSM)

### Week 52

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

### Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
2102	629	126	14	103	13	4.9%	2.1%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, weeks 1 – 52, 2020

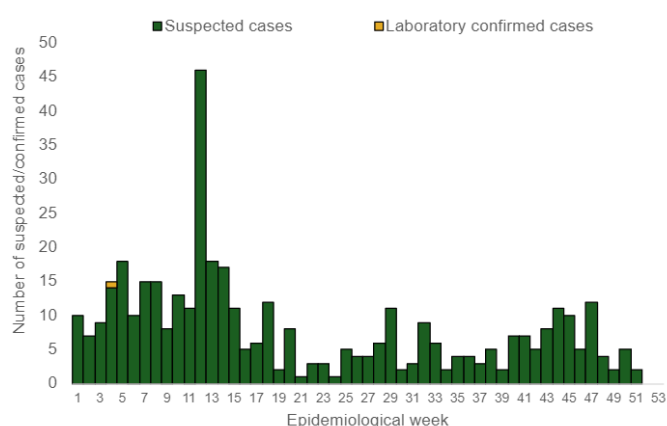
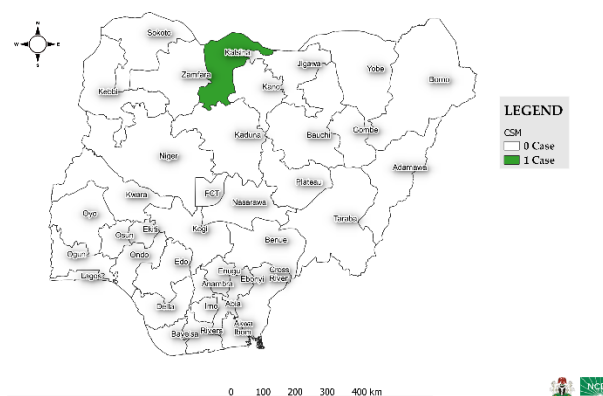


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 52, 2020



## Key points

- There was one suspected case of Cerebrospinal Meningitis (CSM) reported from Funtua LGA in Katsina state. 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 52

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
36	0	0	State: 11 LGA: 18

### Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
3486	3587	11	41	47	18	1.3%	0.6%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, weeks 1 – 52, 2020

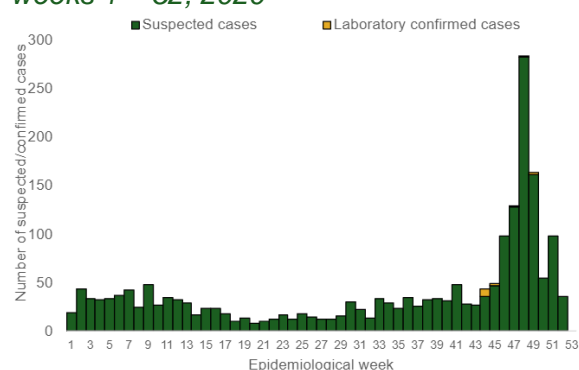
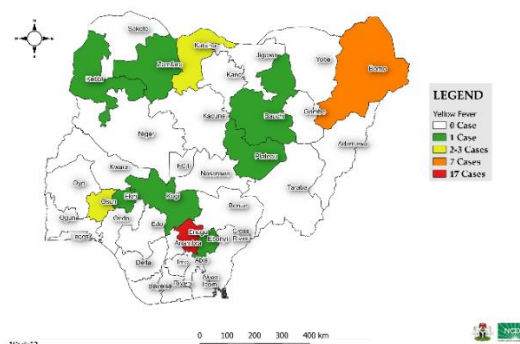


Figure 6: Location of suspected cases of Yellow Fever by States, Nigeria, week 52, 2020



### Key points

- There were 36 suspected cases of Yellow Fever (YF) reported from 18 LGAs in 11 States. None was laboratory confirmed and no death was recorded

### Actions

#### To date:

- National YF multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states
- Nigeria has secured ICG approval for reactive mass vaccination campaign in 11 LGAs of Enugu (9) and Ebonyi (2) States
- Preventive mass vaccination campaigns (PMVC) have been concluded in all LGAs in Benue, Oyo, and Ondo States. Led by NPHCDA

#### Planned:

- 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 52

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	
2019	2020	2019	2020	2019	2020	2019	2020
3513	1803	595	55	71	95	2%	5.3%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, weeks 1 – 52, 2020

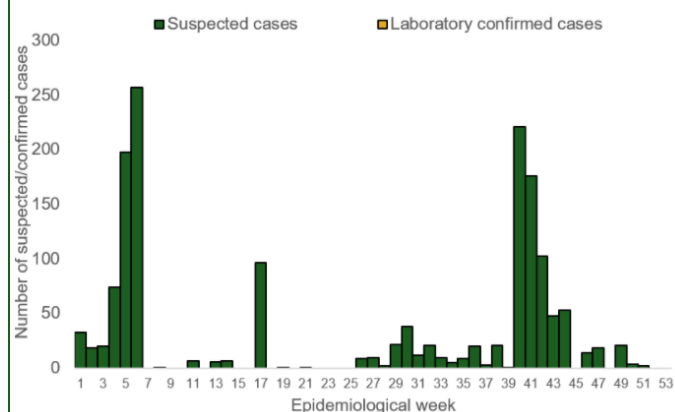
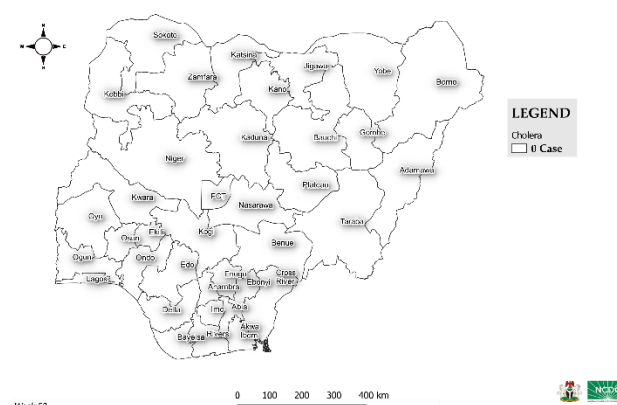


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 52, 2020



### Key points

- There were no cases of Cholera in this reporting week

### 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 52

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
71	0	3	State: 15 LGA: 31

### Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
61879	25602	2363	2501	291	137	0.5%	0.5%

Figure 9: Number of suspected and confirmed cases of Measles, Nigeria, weeks 1 – 52, 2020

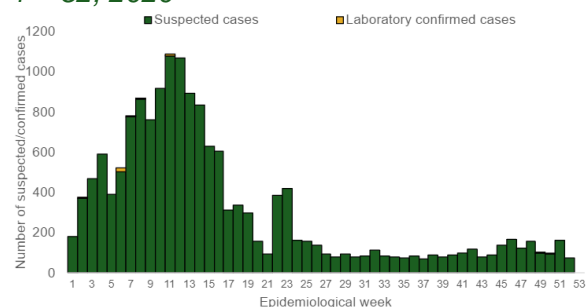
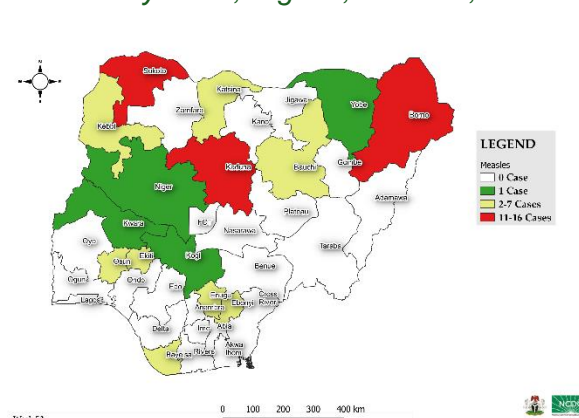


Figure 10: Location of suspected cases of Measles by State, Nigeria, week 52, 2020



### Key points

- There were 71 suspected cases of measles reported from 31 LGAs in 15 states. There was no laboratory confirmed case and three deaths were 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 52

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

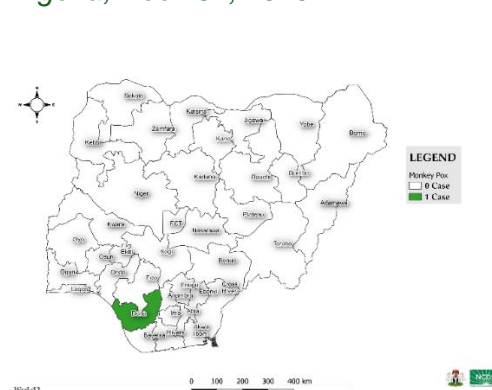
### Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
120	32	68	6	5	0	4.2%	0%

Figure 11: Number of suspected and confirmed cases of Monkeypox, Nigeria, weeks 1 – 52, 2020



Figure 12: Location of suspected cases of Monkeypox by State, Nigeria, week 52, 2020



### Key points

- There was one suspected case of monkeypox in the reported in Sapele LGA in Delta State. None 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 52

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
49	0	0	State: 21 + FCT LGA: 43

### Year to date (week 1 – 52)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
6324	4528	0	0	0	0	0%	0%

Figure 13: Number of suspected and confirmed cases of AFP, Nigeria, weeks 1 – 52, 2020

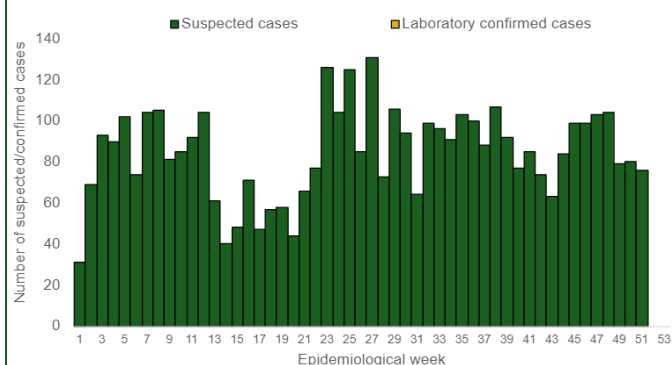
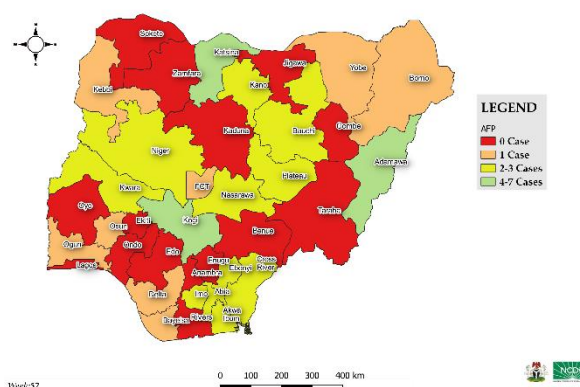


Figure 14: Location of suspected cases of AFP by State, Nigeria, week 52, 2020



### Key points

- There were 49 suspected cases of AFP reported from 43 LGAs in 21 states and FCT. None was laboratory confirmed and no death was recorded

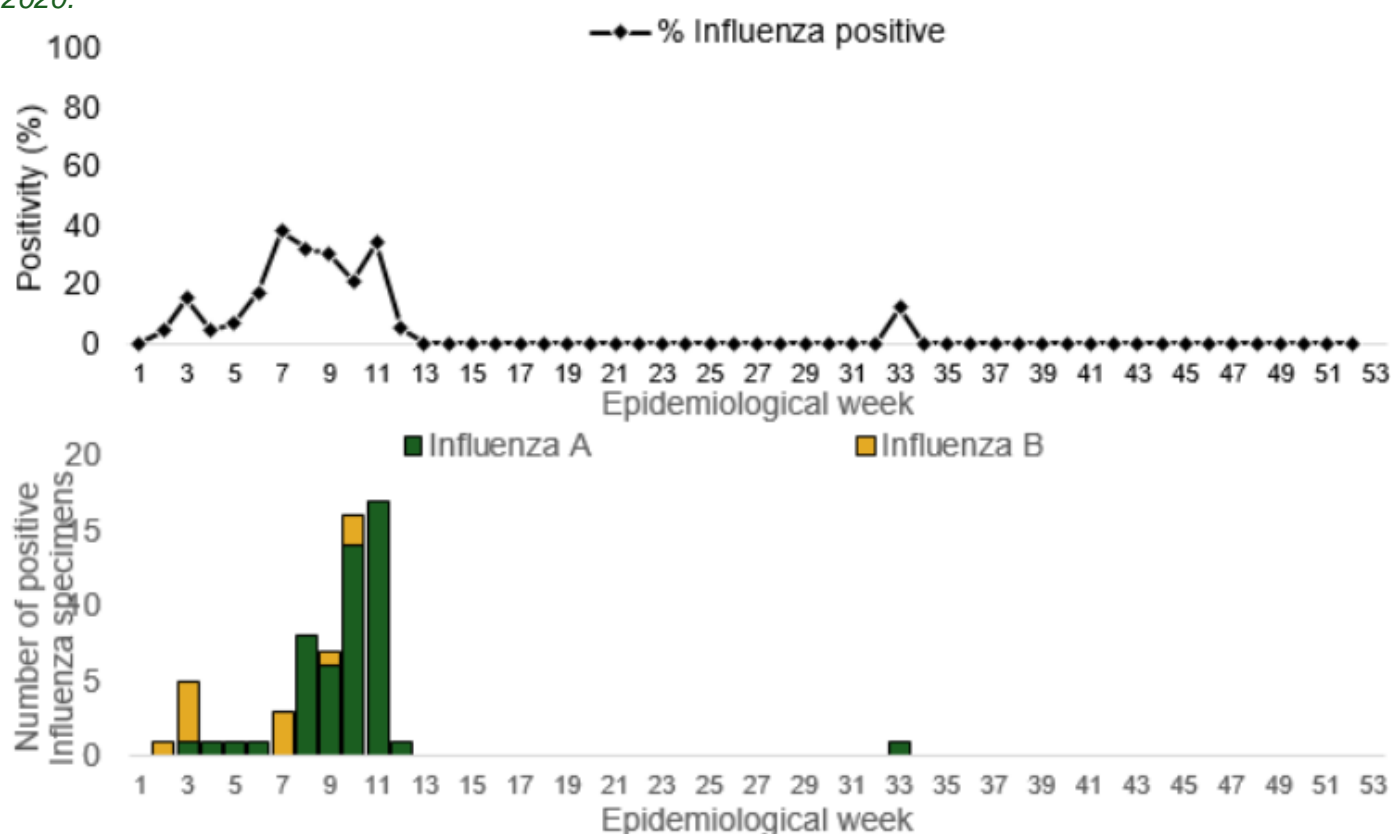
## National Influenza Sentinel Surveillance

### Year to date (week 1 – 52)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	540	444 (82.2%)	96 (17.8%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	84	14	75	11	9	3
Positivity (%)	85.7%	14.3%	16.9%	2.5%	9.4%	3.1%

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



### Key points

- The subtypes A seasonal H3, A seasonal H1, 2009A/H1N1 and A/not subtyped account for 1(1.9%), 2(3.7%), 17(31.5%) and 34(63.0%) 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 1

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
1,121,484	100,087	1,358	State: LGA:

Figure 15: Epidemic curve of confirmed cases of COVID-19, Nigeria, week 1, 2020 – 1, 2021

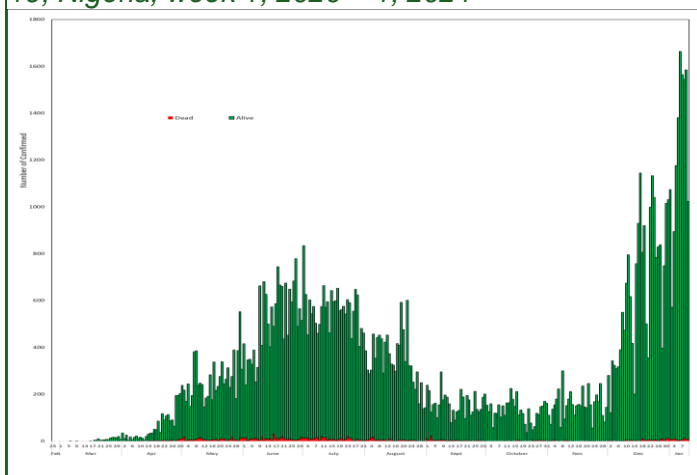
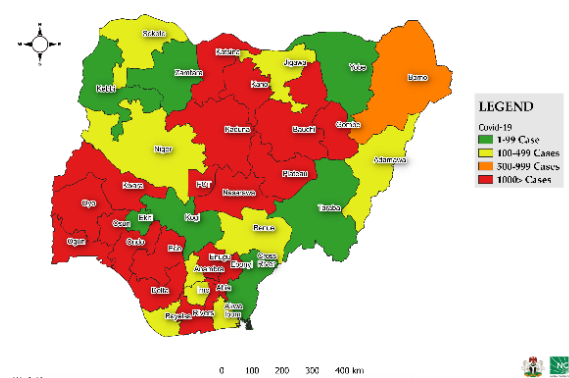


Figure 16: Location of **confirmed** cases of COVID-19 by State, Nigeria, as at week 1, 2021



## Actions

### To date:

- National COVID-19 multi-partner Emergency Operations Centre (EOC) continues to coordinate response activities across states
- Activated contact tracing monitoring team to engage with states for improvement of surveillance activities
- Constituted a team to review current case definition in view of the new case definition from the World Health Organization (WHO)
- Supporting review of cases of health care worker infection in Kaduna State
- Developing improved logistics reporting system for real time documentation

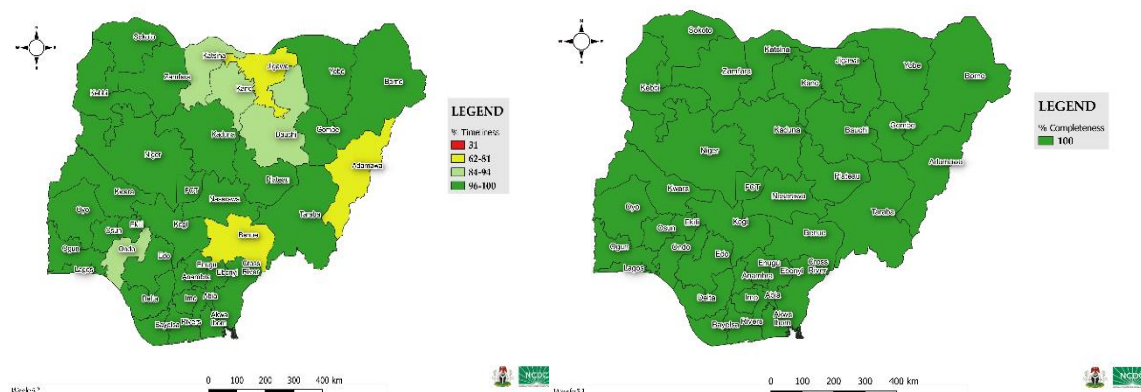
### Planned:

- Provide supervision for NYSC stream 3 screening and safe camp process
- Train laboratory personnel in laboratory network on molecular diagnosis
- Mentor State logistics focal persons

## Timeliness and Completeness of Reports

Last 4 weeks (49 – 52, 2020)

Figure 16: A – Timeliness by State (%); B – Completeness by State (%), weeks 49 - 52, 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

Nigeria Total Reports	Last 4 weeks Week 49 – 52	Year to date Week 1 – 52
Reports sent on time	148	1794
Reports sent late	0	130
Reports not received	0	0
Timeliness	100%	93.2%
Completeness	100%	100%

States with reports not received in 2020 (week 1 – 52)

State	Week(s) report not received

## Timeliness and Completeness of Reports by State

Year to date (week 1 – 52)

State	Timeliness (%)	Completeness (%)
Abia	98	100
Adamawa	62	100
Akwa Ibom	98	100
Anambra	98	100
Bauchi	85	100
Bayelsa	100	100
Benue	31	100
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	62	100
Kaduna	94	100
Kano	81	100
Katsina	92	100
Kebbi	100	100
Kogi	100	100
Kwara	98	100
Lagos	96	100
Nasarawa	100	100
Niger	100	100
Ogun	96	100
Ondo	88	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