



Nigeria Centre for Disease Control

Protecting the health of Nigerians

Weekly Epidemiological Report

Week 4: 20th – 26th January 2020

Highlight of the Week

Review of Nigeria's Pandemic Influenza Preparedness and Response Plan



Given the inevitable human-animal-environment interface, countries across the world are at risk of zoonotic diseases. In the past, the world has witnessed large-scale public health events including severe respiratory diseases such as Spanish flu (1918), Swine flu (2009), Severe Acute Respiratory Syndrome (2002) and Middle East Respiratory Syndrome (2012). The ongoing novel coronavirus outbreak has now been declared a public health emergency of international concern due to its high transmissibility and increasing spread across countries.

In 2013, Nigeria developed its first national Pandemic Influenza Preparedness and Response Plan. In view of the current epidemiology and scope of global influenza outbreaks, the Nigeria Centre for Disease Control (NCDC) is working with stakeholders to review the country's pandemic influenza plan.

In line with this, the Influenza Technical Working Group conducted the 2nd Pandemic Influenza Preparedness (PIP) stakeholders' workshop from 28th - 29th January 2020. The objectives of the workshop were to:

1. Review the existing national Pandemic Influenza Preparedness and Response Plan
2. Ensure strong leadership and multi-sectoral government engagement in the pandemic preparedness planning at national and sub-national levels

The workshop was attended by the representatives from relevant ministries, departments and agencies, as well as multilateral and bilateral organisations.

At the end of the workshop, the objectives were achieved including the review of all the phases (**Prevent, Prepare, Response and Recover**) of the PIP plan.

Upon completion, the reviewed Pandemic Influenza Preparedness and Response Plan will guide and provide a high level, unifying, cross-sectoral, strategic preparedness and response framework for pandemic influenza in Nigeria.

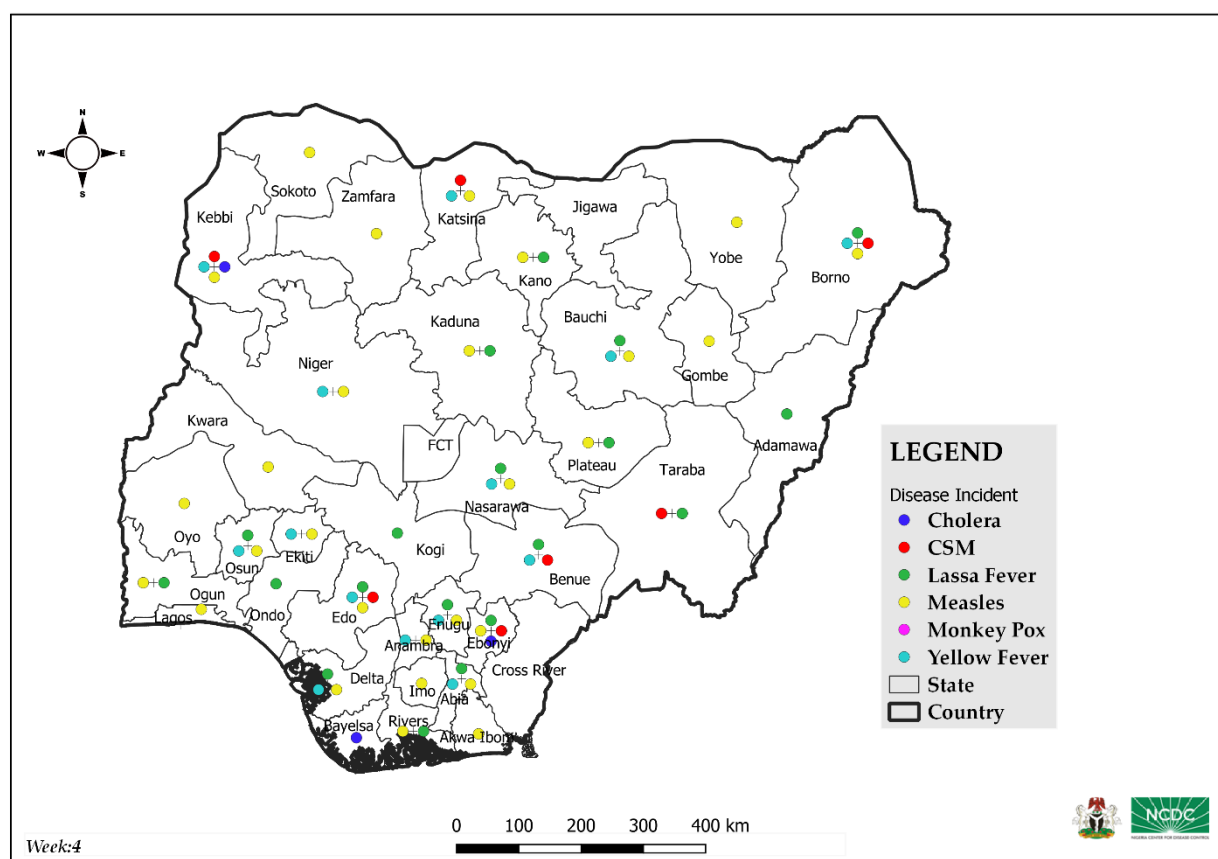
Summary of Incidents

Ongoing incidents

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Ongoing Incidents are defined as confirmed cases where a national EOC or equivalent has been activated (EOC is currently activated for Lassa fever)

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



Summary

Week 4: 20th – 26th January 2020

Lassa Fever_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
318 Suspected cases	14 Suspected cases	32 Suspected cases
95 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
19 Death(s)	0 Death(s)	0 Death(s)
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
74 Suspected cases	591 Suspected cases	0 Suspected case(s)
0 Confirmed cases	0 Confirmed cases	0 Confirmed cases
4 Death(s)	2 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	
90 Suspected cases	100 Suspected cases	
0 Confirmed Polio	7 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
93.2% Last 3 weeks	93.7% Last 3 weeks
94.6% Year to date	97.3% Year to date

Notes

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

Lassa Fever

Week 4

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
318	95	19	State: 19 LGA: 56

Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
359	689	213	258	42	41	19.7%	15.9%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Week 1 – 4, 2020

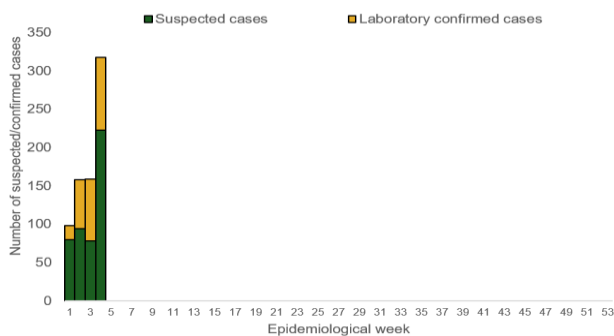
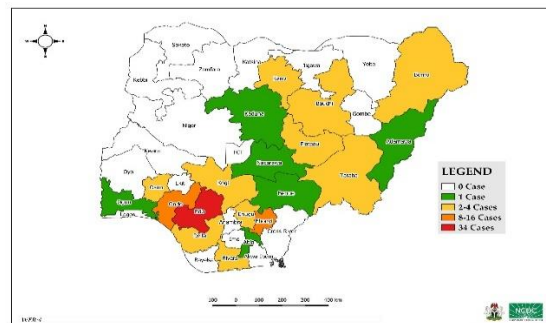


Figure 2: Location of confirmed cases of Lassa Fever by state, Nigeria, week 4, 2020



Key points

- There were 318 suspected cases of Lassa Fever (LF) reported from 56 LGAs in 19 states (Edo – 135, Ondo – 52, Ebonyi - 15, Enugu - 6, Kano – 7, Borno – 8, Nasarawa – 4, Kogi – 10, Rivers – 3, Abia – 8, Adamawa – 4, Benue – 1, Kaduna – 8, Bauchi – 11, Taraba – 11, Plateau – 10, Delta – 9, Osun – 8 & Ogun – 8). There were 95 confirmed cases and 19 deaths were recorded
- No health care worker was infected

Actions

To date:

- The National EOC continue to coordinate response activities
- NCDC Rapid Response Team (RRT) deployed to Ondo, Ebonyi, Enugu, Delta, Kano, Katsina and Borno states
- Emergency Operations Centres activated in Ondo and Ebonyi states
- Confirmed cases are being treated at the designated treatment centres
- Enhanced surveillance (contact tracing and active case finding) in affected states
- Diagnosis of all samples in the five Lassa fever testing laboratories across the country

Planned:

- Pilot indigent patient treatment scheme through the Basic Healthcare Provision Funds
- Conduct LF mortality review

Cerebrospinal Meningitis (CSM)

Week 4

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
14	0	0	State: 6 LGA: 9

Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
205	40	15	0	15	1	7.3%	2.5%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 4, 2020

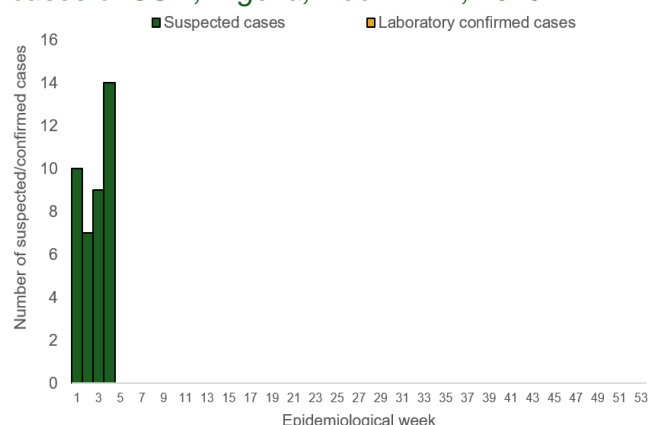
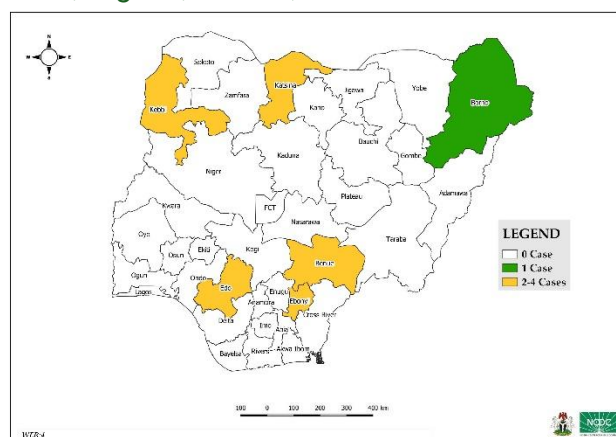


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 4, 2020



Key points

There were 14 suspected cases of Cerebrospinal Meningitis (CSM) reported from nine LGAs in six states (Borno – 1, Benue – 4, Ebonyi – 2, Edo – 2, Katsina – 3 & Kebbi – 2). None was laboratory confirmed and no death was recorded

Actions

To date:

- Conducted CSM risk assessment in 24 states and FCT
- Continue to follow up and monitor non-reporting states and get updated line lists
- Follow up with State Epidemiologists of Kebbi, Bayelsa, Ebonyi, and Ogun states for updates on recent reported cases

Yellow Fever

Week 4

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
32	0	0	State: 14 LGA: 28

Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
170	129	0	0	0	0	0%	0%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 4, 2020

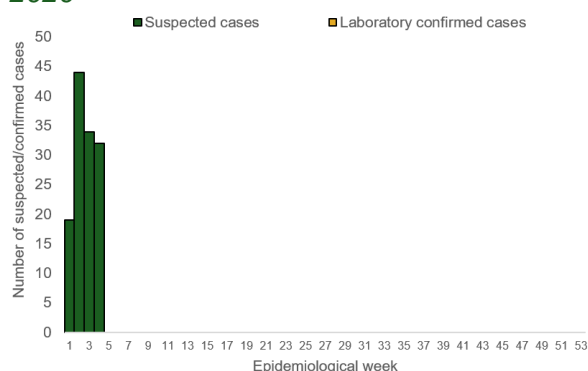
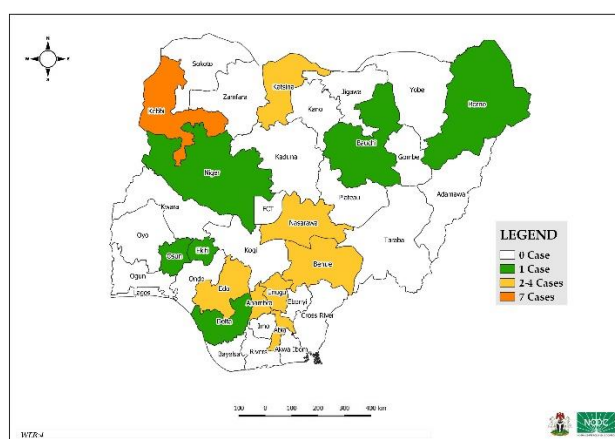


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 4, 2020



Key points

- There were 32 suspected cases of yellow fever (YF) reported from 28 LGAs in 14 states. None was laboratory confirmed and no death was recorded

Actions

To date:

- Updating and cleaning the 2019 YF line list for detailed analysis to guide future response
- National multi-agency YF TWG is coordinating response activities
- National YF guideline made available on NCDC website
-

Planned:

- Surveillance and laboratory data harmonisation is ongoing

Cholera

Week 4

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
74	0	4	State: 3 LGA: 4

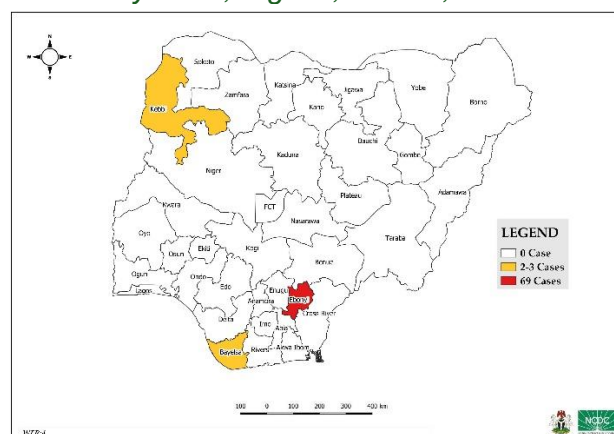
Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
108	146	1	0	7	10	6.5%	6.8%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 4, 2020



Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 4, 2020



Key points

- There were 74 suspected cases of cholera reported from four LGAs in three states (Bayelsa – 3, Ebonyi – 69 & Kebbi – 2). None was laboratory confirmed and four deaths were recorded

Actions

To date

- Development of the 2020 cholera preparedness and response plan ongoing
- National cholera multi-sectoral Technical Working Group (TWG) is monitoring all states and supporting affected states

Planned:

- Ensure that reporting states conduct rapid diagnostic test/culture test and send line list of all reported cases to the national level
- Train staff of water resources laboratories across the six geopolitical zones on *Vibrio cholerae* isolation
- Continue to follow up and monitor non-reporting states and get updated line lists
- Follow up with State Epidemiologists of Kebbi, Bayelsa, Ebonyi, and Ogun states for updates on recent reported cases

Measles

Week 4

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
591	0	2	State: 29 LGA: 171

Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
1853	1618	4	0	3	5	0.2%	0.1%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 4, 2020

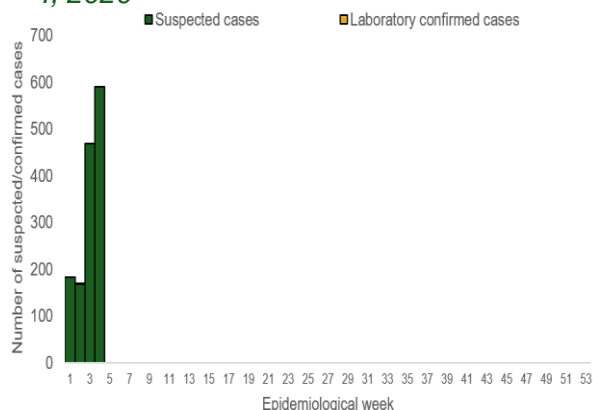
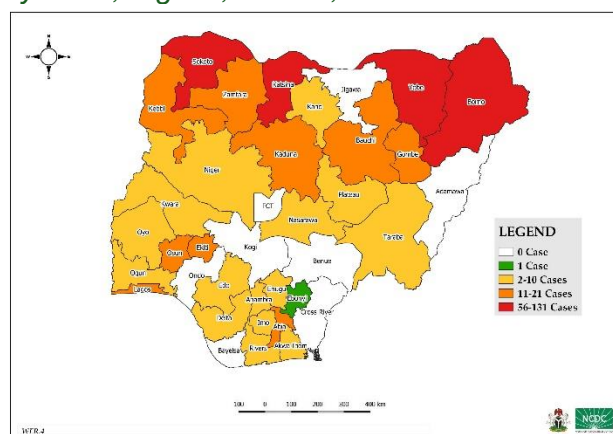


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 4, 2020



Key points

- There were 591 suspected cases of measles reported from 171 LGAs in 29 states. None was laboratory confirmed and two deaths were recorded

Actions

To date

- Developed weekly analysis dashboard for real time monitoring of measles surveillance data to improve data visibility to guide programmes
- National Measles TWG is closely monitoring surveillance data and response activities across the country
- Reactive vaccination in Zamfara state

Planned:

- Continue the review of measles surveillance data across the country
- Continue harmonisation of the national line list and SORMAS data
- Conduct a risk assessment of outbreaks in affected states

Monkeypox

Week 4

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

Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
115	6	46	0	2	0	1.7%	0%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–4, 2020

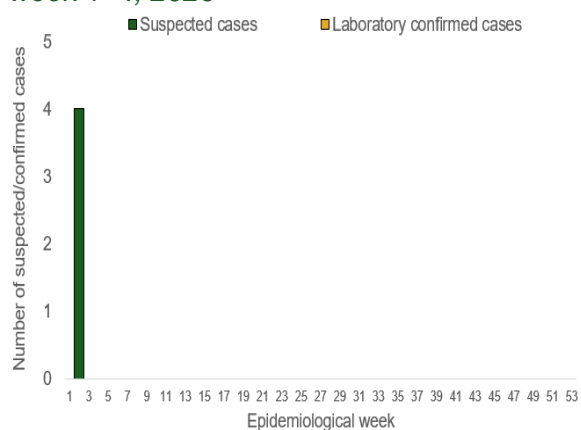


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 4, 2020



Key points

- There were no suspected cases of monkeypox reported this week

Actions

- National Monkeypox TWG is monitoring activities in all states
- New monkeypox guideline published in December 2019

Planned:

- Enhance surveillance for monkeypox in high burden states, working with the animal health colleagues

Acute Flaccid Paralysis (AFP)

Week 4

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
90	0	0	State: 27 + FCT LGA: 79

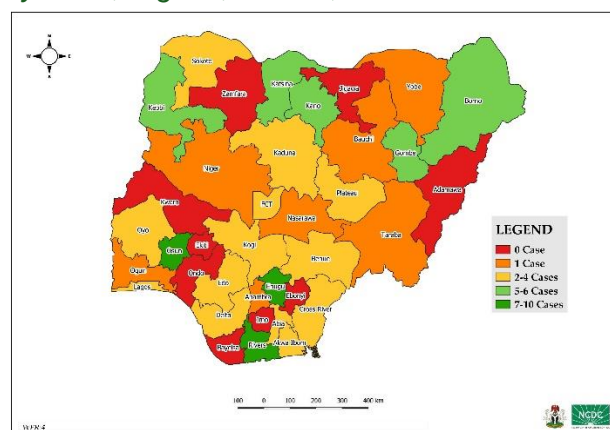
Year to date (week 1 – 4)

Suspected cases		Confirmed cases		Deaths		CFR	
2019	2020	2019	2020	2019	2020	2019	2020
385	286	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 4, 2020



Figure 16: Location of suspected cases of AFP by State, Nigeria, week 4, 2020



Key points

- There were 90 suspected cases of AFP reported from 79 LGAs in 27 states and FCT. None was laboratory confirmed and no death was recorded

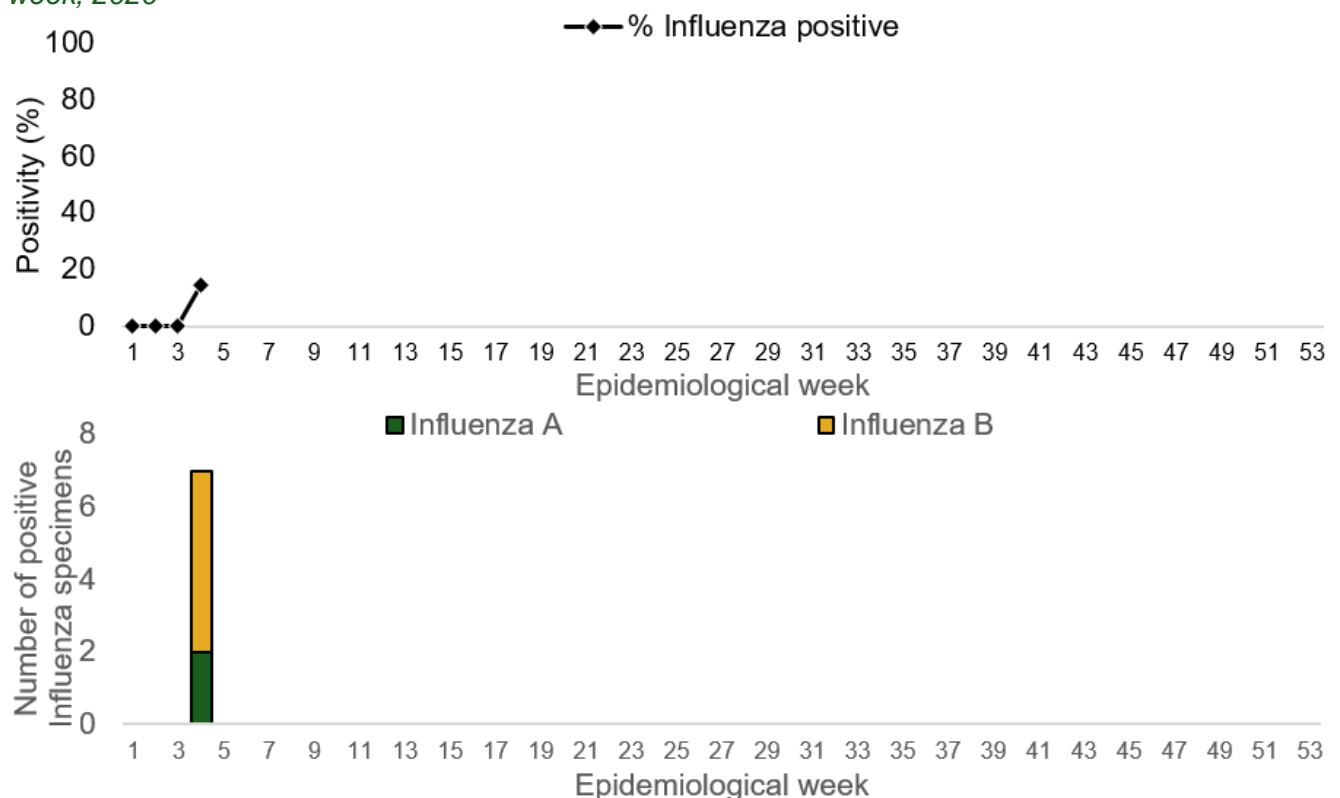
National Influenza Sentinel Surveillance

Year to date (week 1 – 4)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	105	71 (67.6%)	34 (32.4%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	2	5	2	3	0	2
Positivity (%)	28.6%	71.4%	2.8%	4.2%	0%	5.9%

Figure 17: Number of influenza positive specimens by type and percent positive by epidemiological week, 2020



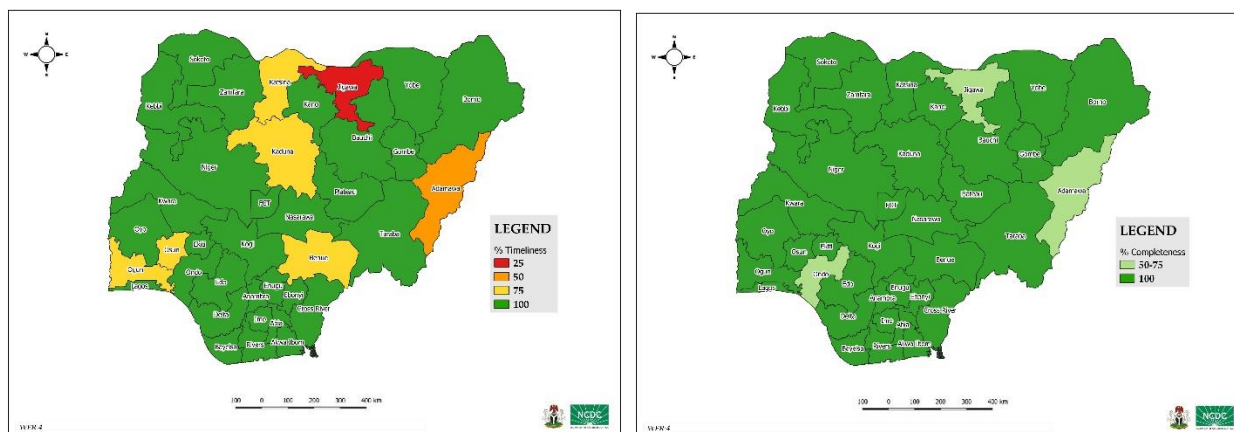
Key points

- There were 71 processed samples positive for influenza with 2 for influenza A & 5 for influenza B.

Timeliness and Completeness of Reports

Last 4 weeks (1 & 4), 2020

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), last 4 weeks, 2020



Number of reports received on time, late or not received, the percentage timeliness and completeness, in week 1 and year to date

Nigeria Total Reports	Last 4 weeks Week 1 & 4	Year to date Week 1 - 4
Reports sent on time	138	138
Reports sent late	6	6
Reports not received	4	4
Timeliness	94.6%	93.2%
Completeness	97.3%	93.7%

States with reports not received in 2020 (week 1 – 4)

State	Week(s) report not received
Adamawa	4
Jigawa	3 & 4
Ondo	4

Timeliness and Completeness of Reports by State

Year to date (week 1 – 4)

State	Timeliness (%)	Completeness (%)
Abia	100	100
Adamawa	50	75
Akwa Ibom	100	100
Anambra	100	100
Bauchi	100	100
Bayelsa	100	100
Benue	75	100
Borno	100	100
Cross River	100	100
Delta	100	100
Ebonyi	100	100
Edo	100	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	100	100
Imo	100	100
Jigawa	25	50
Kaduna	75	100
Kano	100	100
Katsina	75	100
Kebbi	100	100
Kogi	100	100
Kwara	100	100
Lagos	100	100
Nasarawa	100	100
Niger	100	100
Ogun	100	100
Ondo	75	75
Osun	75	100
Oyo	100	100
Plateau	100	100
Rivers	100	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	100	100