



Weekly Epidemiological Report

Week 33: 12th – 18th August, 2019

Highlight of the Week

Lassa fever Clinical Fellowship in Nigeria: Strengthening Workforce for Health Security



In January 2019, the Nigeria Centre for Disease Control (NCDC) hosted the first international conference on Lassa fever (LF) with the theme “50 years of Lassa in Nigeria, rising to the challenge”. Widely attended by global LF experts and researchers, the conference provided a unique opportunity to discuss critical ways to respond to Lassa fever outbreaks and share innovative measures such as vaccines under trial.

One of the key recommendations from the conference was the need to improve the country’s capacity for case management of Lassa fever. Our defined strategies included to support the strengthening of treatment centres and increase the number of well-trained physicians and nurses that can effectively manage Lassa fever and other infectious diseases

As part of activities to ensure Nigeria has adequate human resource for the management of Lassa fever cases, NCDC and partners are developing a clinical fellowship program for Lassa fever case management. An initial workshop was held in August and had the following outcomes:

1. Development of a training curriculum for a four-week fellowship program
2. Development of a four-week schedule of activities for the program
3. Identification and assigning of roles and responsibilities to various stakeholders of the program
4. Determination of criteria for selection of participants for the fellowship

In attendance were Lassa fever experts from NCDC, Irua Specialist Teaching Hospital, Federal Medical Centre (Owo, Ondo state), Federal Teaching Hospital (Abakaliki, Ebonyi state), World Health Organisation, US Centre for Disease Control, Médecins Sans Frontières and ALIMA foundation.

The Lassa fever clinical fellowship is targeted at health workers in government institutions primarily, especially working in hospitals with treatment centres for the management of infectious diseases. In addition to increasing the number of national experts for LF case management, it is anticipated that the fellowship programme when fully implemented will contribute to improved treatment outcomes of cases.

Through this clinical fellowship and more, we are rising to the challenge of 50 years of Lassa fever in Nigeria.

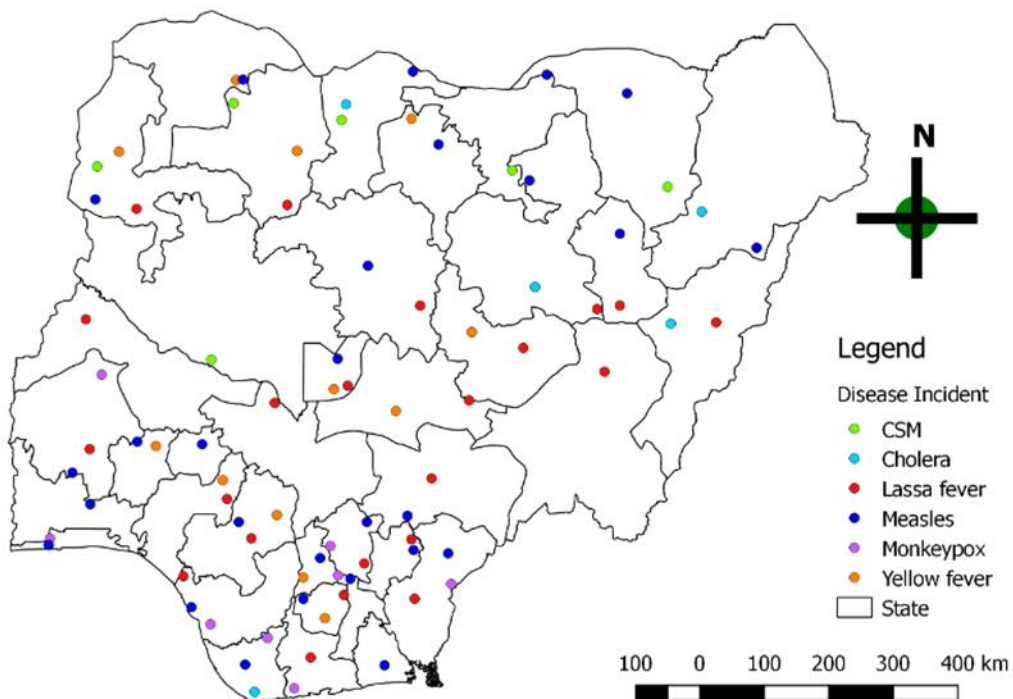
Summary of Incidents

Ongoing incidents

0

Ongoing Incidents are defined as confirmed cases where a national EOC or equivalent has been activated

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



Data source: SITAware

Summary

Week 33: 12th – 18th August, 2019

Lassa Fever_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
72 Suspected cases	16 Suspected cases	63 Suspected cases
2 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
0 Death(s)	0 Death(s)	0 Death(s)
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
57 Suspected cases	266 Suspected cases	1 Suspected case(s)
19 Confirmed cases	0 Confirmed cases	0 Confirmed cases
0 Death(s)	2 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	
83 Suspected cases	1 Suspected cases	
0 Confirmed Polio	0 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
87.2% Last 4 weeks	99% Last 4 weeks
88% Year to date	100% 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 33

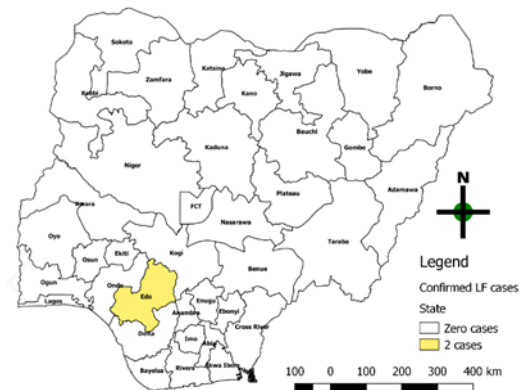
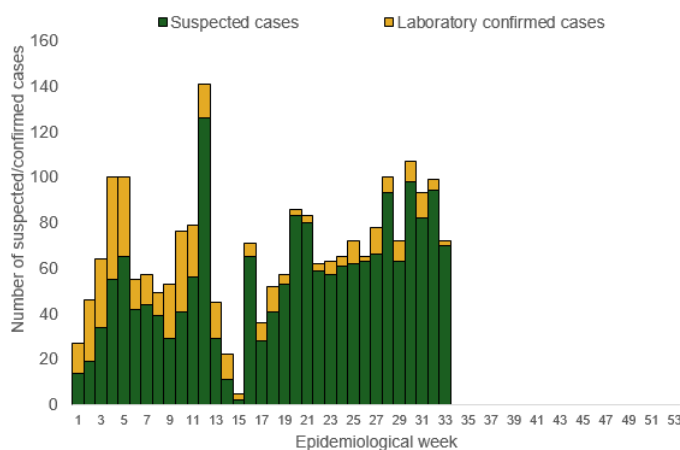
Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
72	2	0	State: 6 LGA: 8

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
2395	33466	490	658	128	145	26.1%	22%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, Week 1 – 33, 2019

Figure 2: Location of **confirmed** cases of Lassa Fever by state, Nigeria, week 33, 2019



Key points

- There were 72 suspected cases of Lassa Fever (LF) reported from eight LGAs in six states (Edo – 49, Ondo – 8, Ebonyi – 10, Bauchi – 3, Plateau – 1, Benue - 1). There were two confirmed cases and no death was recorded

Actions

To date:

- National LF multi-partner, multi-sectoral Technical Working Group (TWG) continues to coordinate the response activities at all levels
- Implementation of targeted risk communication and enhanced surveillance activities in affected states

Planned:

- States to complete After Action Review (AAR) template
- National AAR retreat
- Implementation of rodent control measures in hotspot LGAs (Phase 2)
- Strengthening of LF treatment centres with equipment

Cerebrospinal Meningitis (CSM)

Week 33

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
16	0	0	State: 5 LGA: 9

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4249	1558	318	101	355	74	8.4%	4.8%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 33, 2019

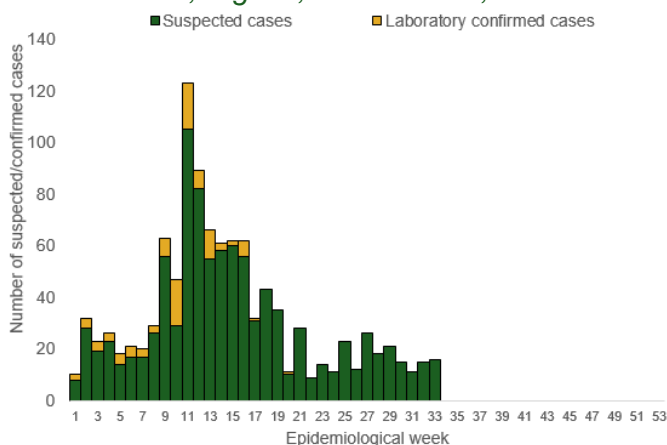
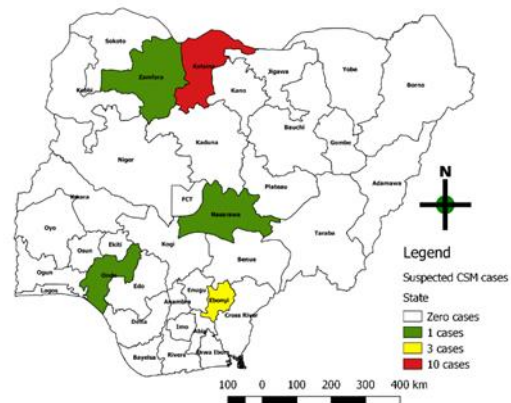


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 33, 2019



Key points

- There were 16 suspected cases of Cerebrospinal Meningitis reported from nine LGAs in five states (Ebonyi – 3, Katsina – 10, Nasarawa – 1, Ondo – 1, Zamfara - 1). None was laboratory confirmed and no death was recorded

Actions

To date:

- The National CSM TWG meets weekly to review reports from states and plan appropriately

Planned:

- Conduct After Action Review (AAR)
- Harmonisation of surveillance and laboratory data
- Conduct case and data Management training in Sokoto state from September 26th – 28th, 2019

Yellow Fever

Week 33

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
63	0	0	State: 18 LGA: 40

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1673	1936	5	22	0	26	0%	1.34%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 33, 2019

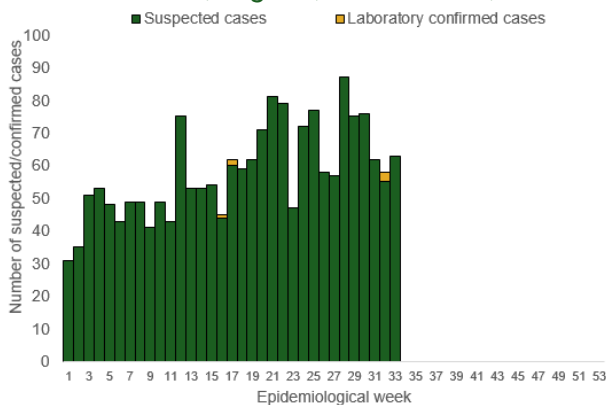
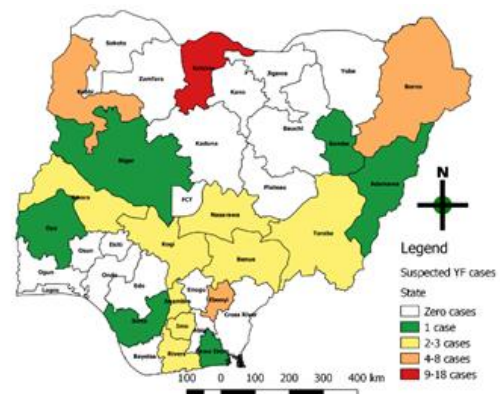


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 33, 2019



Key points

There were 63 suspected cases of Yellow Fever reported from 40 LGAs in 18 states. There was no confirmed case and no death was recorded

Actions

To date:

- The multiagency YF TWG is coordinating national response activities
- Ebonyi and Katsina states Incident Coordination Centres are leading the outbreak investigation with support from the National team (NCDC and NPHCDA) and WHO

Planned:

- The 2019 preventive mass vaccination campaign will take place in the last quarter of 2019 in Katsina, Ekiti, Borno, Rivers and Anambra States
- Finalise draft of the national Yellow Fever guidelines

Cholera

Week 33

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
57	19	0	State: 2 LGA: 4

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
27450	2304	529	233	596	38	2.2%	1.7%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 33, 2019

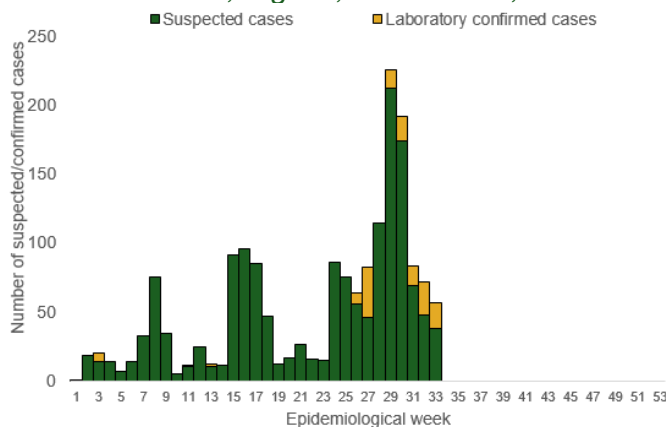
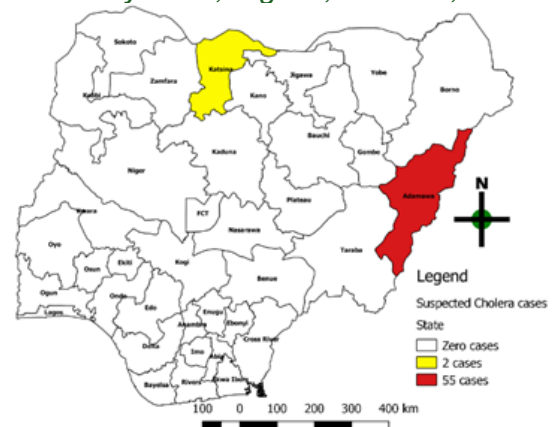


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 33, 2019



Key points

There were 57 suspected cases of Cholera reported from four LGAs in two states (Adamawa – 55 & Katsina - 2). There were 19 laboratory confirmed cases and no death was recorded

Actions

To date:

- The national cholera TWG continues to coordinate activities in states in collaboration with the Federal Ministry of Water Resources (FMWR) and support from partners
- Adamawa State EOC continues to coordinate response with support from NCDC and partners
- Conduct After Action Review (AAR) from 26th - 27th of September 2019
- Follow up with states with active outbreaks and monitor non-reporting states

Measles

Week 33

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
266	0	2	State: 27 + FCT LGA: 106

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
13382	50887	15	2089	100	259	0.7%	0.5%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 32, 2019

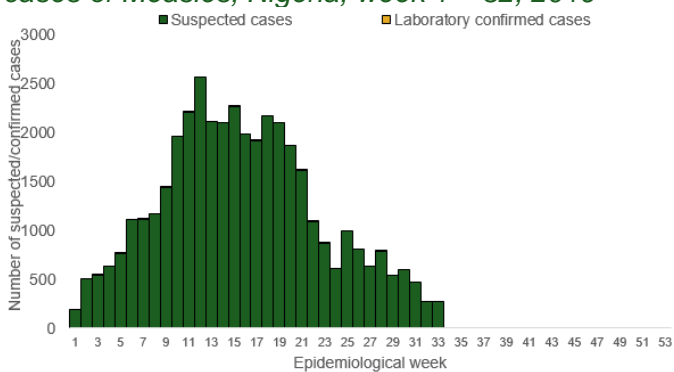
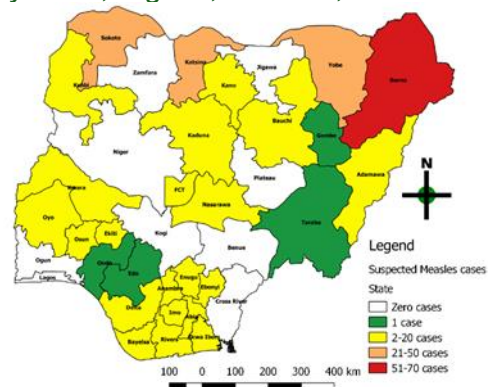


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 32, 2019



Key points

- There were 266 suspected cases of measles reported from 106 LGAs in 27 States and FCT. None was laboratory confirmed and two deaths were recorded

Actions

To date:

- The multi-agency National Measles TWG is monitoring and coordinating response activities across the states
- The TWG is closely monitoring response to reported measles outbreak and reviewing measles surveillance data in Abia and also outbreak response activities in Igabi, LGA of Kaduna
- The Measles TWG is working closely with NPHCDA towards measles Supplemental Immunization Activity in Nigeria

Planned:

- Conduct measles guideline review meeting from 3rd – 5th September, 2019
- Follow up on reported measles outbreak in Abia and Kaduna states

Monkeypox

Week 33

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

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
70	62	36	32	1	2	1.4%	3.2%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–33, 2019

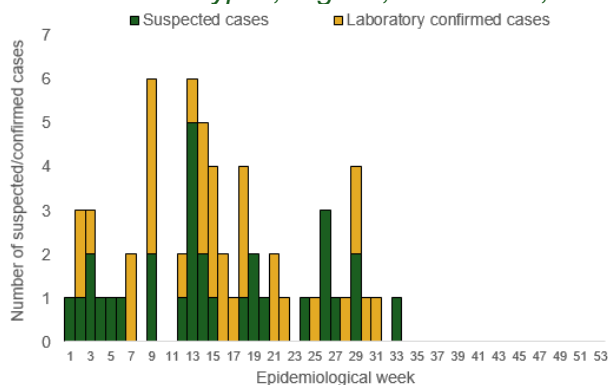
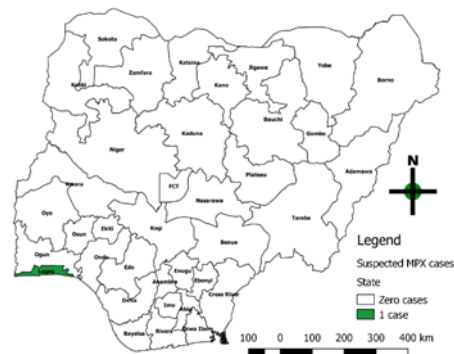


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 33, 2019



Key points

- There was one suspected case of Monkeypox reported the week in Mushin LGA, Lagos State, which tested negative for MPX but positive for Varicella Zoster virus (VZV)

Actions

To date:

- The Monkeypox TWG is monitoring and coordinating response activities across the states
- Surveillance has been enhanced in all affected states
- Offsite support provided to affected states

Planned:

- Supportive supervision to non-reporting states in North-Central, South-East, South-West and South-South Zones
- Conduct regional Monkeypox surveillance training in South-East and South-South Zone in September 2019
- Conduct training for clinicians in Delta state on Monkeypox case management in September 2019

Acute Flaccid Paralysis (AFP)

Week 33

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
83	0	0	State: 28 + FCT LGA: 74

Year to date (week 1 – 33)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
5481	4395	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 33, 2019

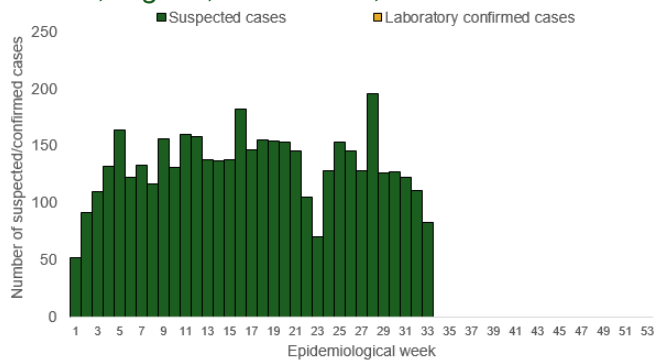
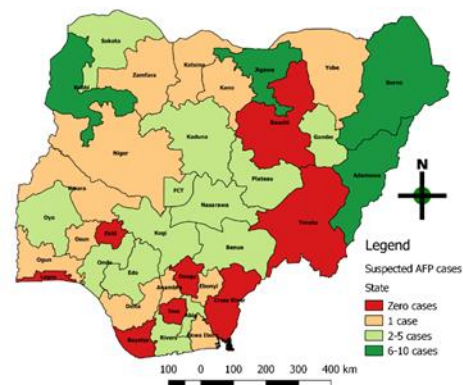


Figure 16: Location of suspected cases of AFP by State, Nigeria, week 33, 2019



Key points

- In the reporting week, 83 suspected cases of AFP were reported from 74 LGAs in 28 states and FCT

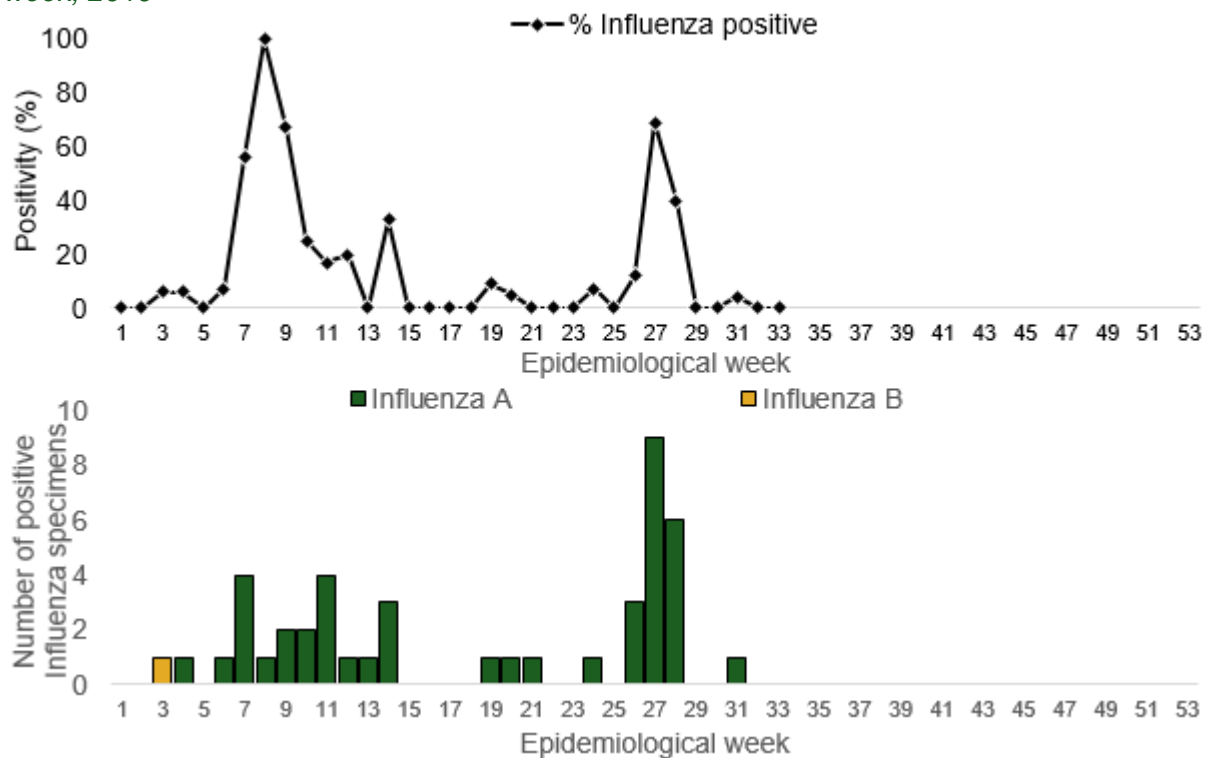
National Influenza Sentinel Surveillance

Year to date (week 1 – 33)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	331	300 (90.6%)	31 (9.4%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	44	1	40	1	4	0
Positivity (%)	14.4%	0.4%	14.4%	0.4%	14.8%	0%

Figure 17: Number of influenza positive specimens by type and percent positive by epidemiological week, 2019



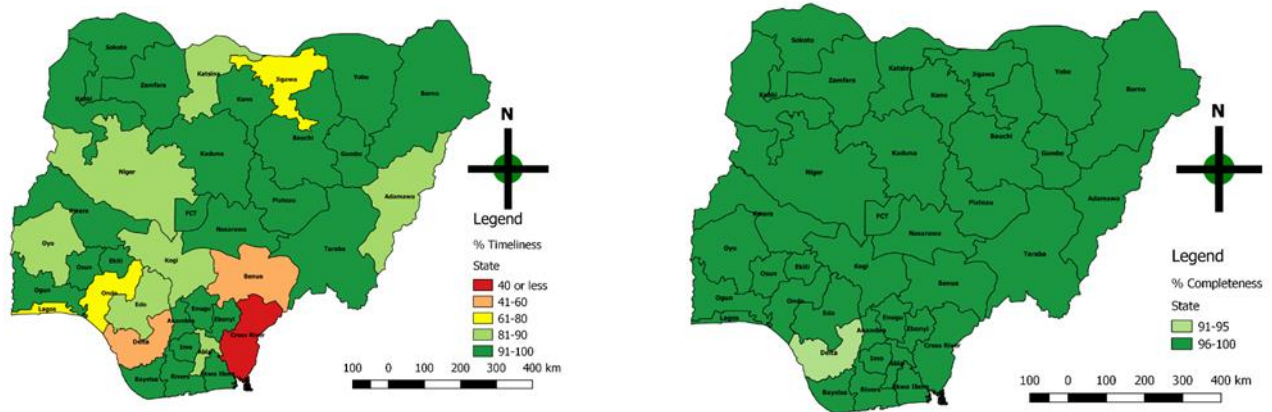
Key points

- There was a positive case of Influenza subtype A & B (2.2%)

Timeliness and Completeness of Reports

Last 4 weeks (week 30 - 33, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 30 – 33, 2019



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 30 – 33	Year to date Week 1- 33
Reports sent on time	129	1080
Reports sent late	17	136
Reports not received	2	5
Timeliness	87.2%	88%
Completeness	99%	100%

States with reports not received in 2019 (week 1 – 33)

State	Week(s) report not received
Cross River	33
Delta	8, 10, 12
Lagos	33

Timeliness and Completeness of Reports by State

Year to date (week 1 – 33)

State	Timeliness (%)	Completeness (%)
Abia	85	100
Adamawa	88	100
Akwa Ibom	94	100
Anambra	91	100
Bauchi	91	100
Bayelsa	100	100
Benue	52	100
Borno	91	100
Cross River	39	97
Delta	52	91
Ebonyi	97	100
Edo	85	100
Ekiti	100	100
Enugu	94	100
FCT	100	100
Gombe	94	100
Imo	91	100
Jigawa	73	100
Kaduna	97	100
Kano	100	100
Katsina	88	100
Kebbi	94	100
Kogi	88	100
Kwara	97	100
Lagos	79	97
Nasarawa	94	100
Niger	88	100
Ogun	97	100
Ondo	73	100
Osun	100	100
Oyo	88	100
Plateau	91	100
Rivers	91	100
Sokoto	100	100
Taraba	97	100
Yobe	100	100
Zamfara	97	100