



Weekly Epidemiological Report

Week 26: 24th – 30th June, 2019

Highlight of the week

Blending Science and Communication- The Art of Scientific Writing



Nearly every week, a Rapid Response Team is deployed from the Nigeria Centre for Disease Control (NCDC) to respond to an outbreak. In addition to this, we are constantly reviewing and adapting best practice in infectious disease control through the development of guidelines, as well as strengthening our disease preparedness, surveillance and response strategy. In recognition of the need to share our experience with other public health institutes and contribute to science, we have identified scientific communication as one of the major priorities at NCDC in 2019.

With support from the International Association of Public Health Institutes (IANPHI) and United States Centre for Disease Control (US CDC), NCDC held a two-week training on scientific communication and writing. The training was a two-week blended programme aimed at building the capacity of early career and mid-level staff in critical areas of research, data analysis, writing and data visualisation.

Over the last two years, members of the NCDC Team have published articles in peer-reviewed journals, including the Lancet Infectious Disease Journal, Eurosurveillance, CDC Emerging Infectious Disease journal, BMJ Global Health, International Journal of Infectious Disease and several others. These can be found on our website (see [link](#))

There is no doubt that developing and sharing experience is a critical aspect of science and public health. The NCDC remains committed to developing timely and evidence-based information as contribution to global health security.

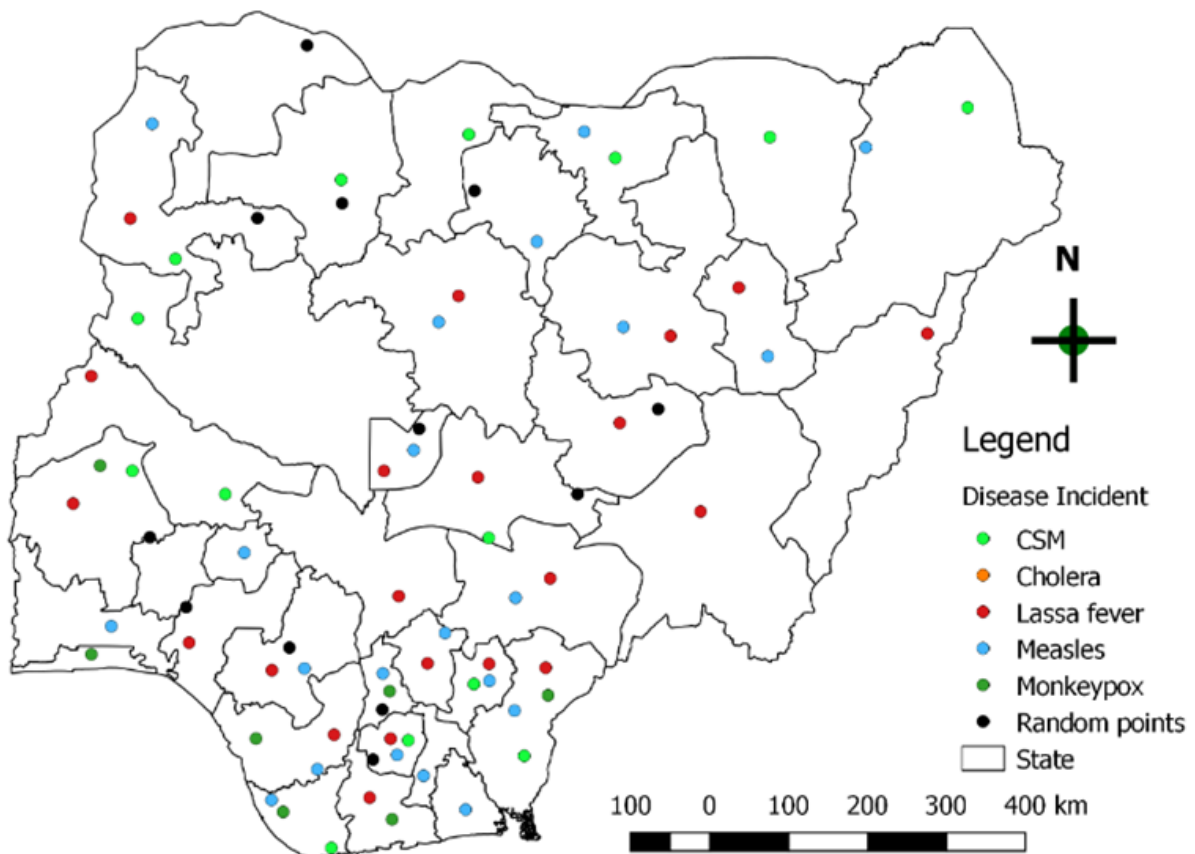
Summary of Incidents

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 26: 24th – 30th June, 2019

Lassa Fever(LF)_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
65 Suspected cases	12 Suspected cases	58 Suspected cases
2 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
1 Death(s)	0 Death(s)	0 Death(s)
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
64 Suspected cases	805 Suspected cases	3 Suspected case(s)
8 Confirmed cases	0 Confirmed cases	0 Confirmed cases
1 Death(s)	4 Death(s)	1 Death(s)
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	
145 Suspected cases	25 Suspected cases	
0 Confirmed Polio	3 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
78.4% Last 4 weeks	96.6% Last 4 weeks
89% Year to date	99 % 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 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
65	2	1	State: 10 LGA: 18

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
2087	2898	446	603	111	136	24.9%	22.6%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, week 1 – 26, 2019

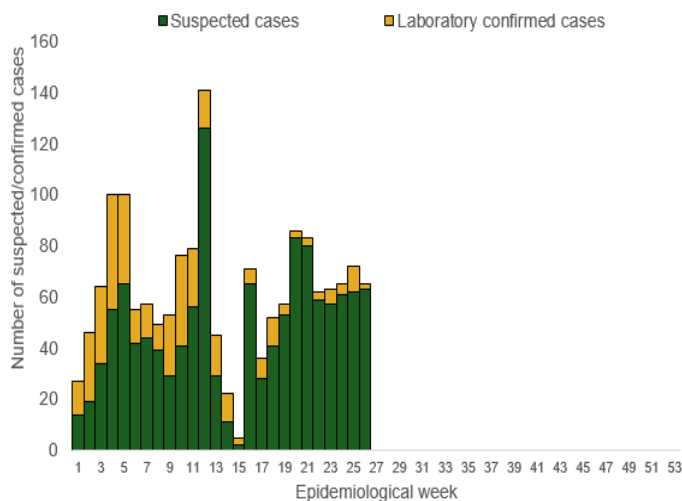
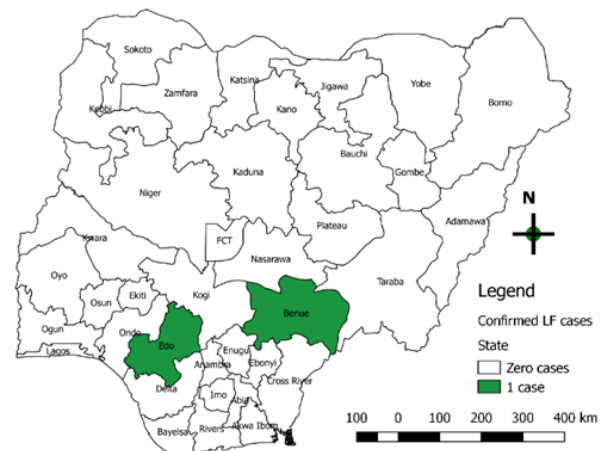


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 26, 2019



Key points

- There were 65 suspected cases of Lassa fever from 18 LGAs in ten States (Edo - 35, Ondo - 18, Ebonyi - 3, Plateau - 1, FCT – 1, Adamawa – 1, Gombe – 1, Benue – 1, Kebbi – 3 & Bayelsa - 1). Two cases were laboratory confirmed and one 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
- Dissemination of reviewed case management and IPC guidelines
- Implementation of IPC ring strategy in hot spot LGAs
- Confirmed cases are being treated at identified treatment/isolation centres across the states with Ribavirin and necessary supportive management also instituted

Planned:

- Conduct zonal specific After-Action Review meetings

- Support indigent patients with treatment cost through basic health care provision funds
- Harmonisation of LF laboratory and surveillance data into one database platform – ongoing

Cerebrospinal Meningitis (CSM)

Week 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
12	0	0	State: 7 LGA: 8

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4174	1435	318	101	352	74	8.4%	5.2%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 26, 2019

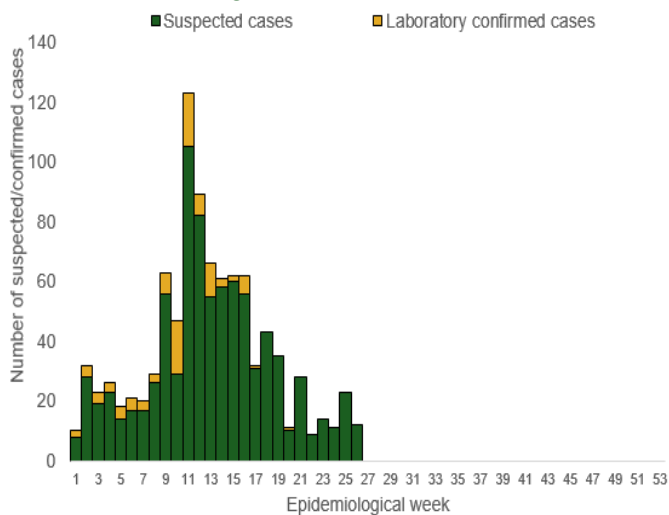
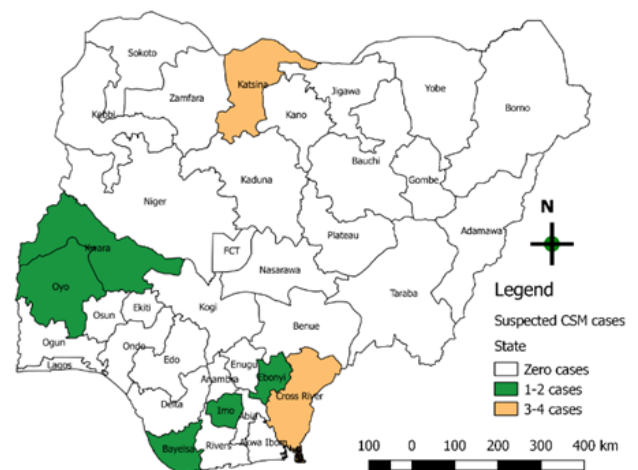


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 26, 2019



Key points

- There were 12 suspected cases of Cerebrospinal Meningitis reported from eight LGAs in seven states (Bayelsa – 1, Ebonyi – 1, Katsina – 3, Cross River – 4, Imo – 1, Oyo – 1 & Kwara - 1). None was Laboratory confirmed and no death recorded

Actions

To date:

- The National CSM TWG meets weekly to review reports from states and plan appropriately
- Developed and submitted a proposal to ethical committee about using blood samples to diagnose CSM

Planned:

- Harmonisation of SORMAS, national and laboratory line lists
- Development of Outbreak Report
- Defeating Meningitis Consultation, A global Strategy and Road Map by 2030 – ongoing

Yellow Fever

Week 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
58	0	0	State: 20 LGA: 43

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1237	1464	12	15	0	2	0%	0.1%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 26, 2019

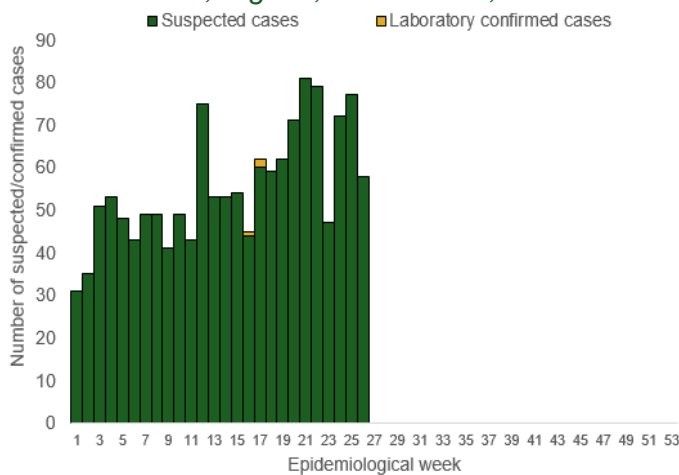
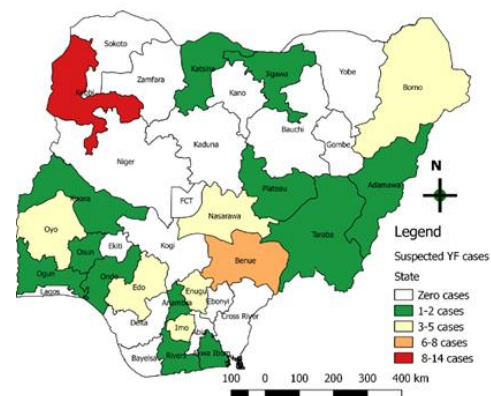


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 26, 2019



Actions

To date:

- A multiagency YF TWG coordinates national response activities
- On-site support provided by NCDC Rapid Response Teams (RRTs) to Kogi, Katsina, Nasarawa, Abia, Imo and Osun States
- Participated in the 5th Meeting of the EYE Strategy Laboratory Technical Working Group in Rotterdam, The Netherlands, from 24-26 June, 2019
- Third draft of YF National Guideline on Preparedness and Response completed

Planned:

- Finalise the Yellow fever action plan for 2019 -2021

- Develop risk communication assessment plan
- Train state surveillance teams on Yellow fever surveillance, reporting and documentation
- Operationalisation of the three new laboratories added to the YF laboratory network

Cholera

Week 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
64	8	1	State: 2 LGA: 7

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
18232	1298	282	24	289	34	1.6%	2.6%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 26, 2019

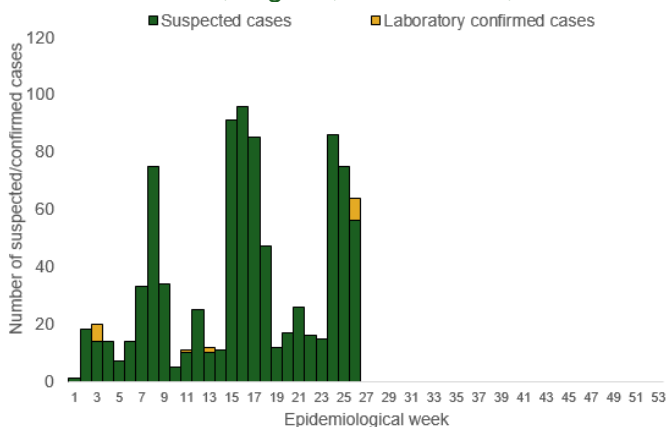
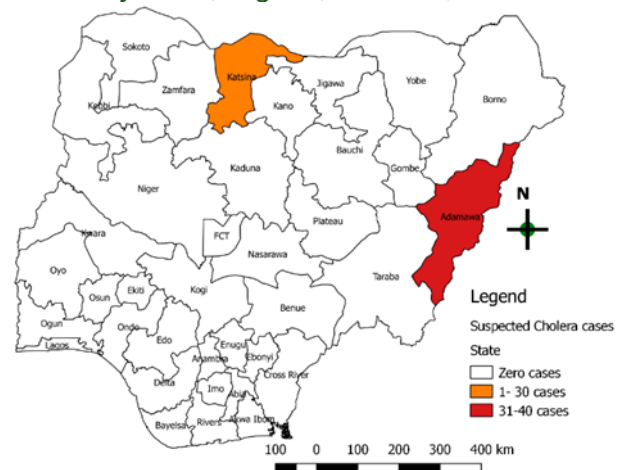


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 26, 2019



Key points

There were 64 suspected cases of cholera reported from seven LGAs in two states (Adamawa – 40 & Katsina - 24). Eight cases were laboratory confirmed and one death was recorded.

Actions

To date:

- The Cholera TWG continues to coordinate cholera activities in states in collaboration with the Federal Ministry of Water Resources (FMWR) and support from partners
- Routine monitoring of states through IDSR followed by calling states with suspected cases of acute watery diarrhoea weekly

Planned:

- Advocate to state governments and partners for funds to support airing of jingles and other risk communication activities

Measles

Week 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
805	0	4	State: 32 LGA: 181

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
11761	36633	141	1518	94	113	0.8%	0.3%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 26, 2019

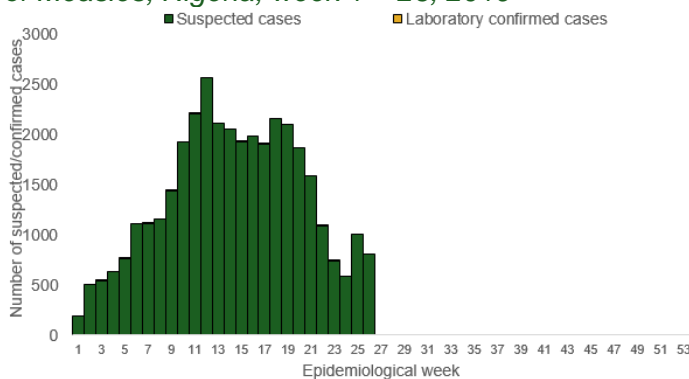
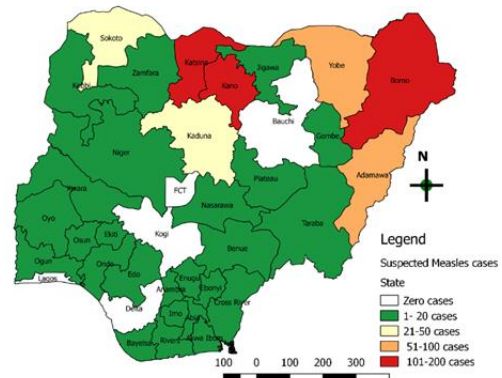


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 26, 2019



Key points

- There were 805 suspected cases reported from 32 States. None was laboratory confirmed and four deaths were recorded

Actions

To date:

- The multi-agency National Measles TWG is monitoring and coordinating response activities across the States

Planned:

- Continue review of Measles surveillance data across the country

Monkey pox

Week 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
3	0	1	State: 1 LGA: 1

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
56	51	27	26	1	1	1.8%	2%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–26, 2019

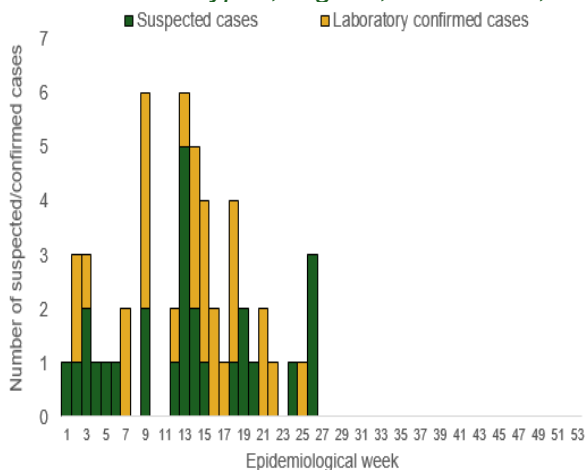
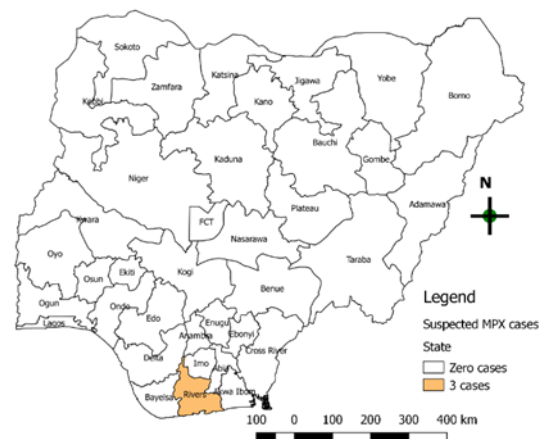


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 26, 2019



Key points

- There were three suspected cases reported in Rivers State, Eleme LGA. None was laboratory confirmed and one new death was recorded.

Actions

To date:

- Surveillance has been enhanced in all affected states
- Animal Surveillance in Rivers state is ongoing

Planned:

- An outbreak investigation team to be sent to Lagos state in August, 2019 to investigate previously confirmed case
- Regional Monkeypox Surveillance Training to be conducted in South-East and South-South zones.

Acute Flaccid Paralysis (AFP)

Week 26

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
145	0	0	State: 32 LGA: 126

Year to date (week 1 – 26)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4222	3540	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 26, 2019

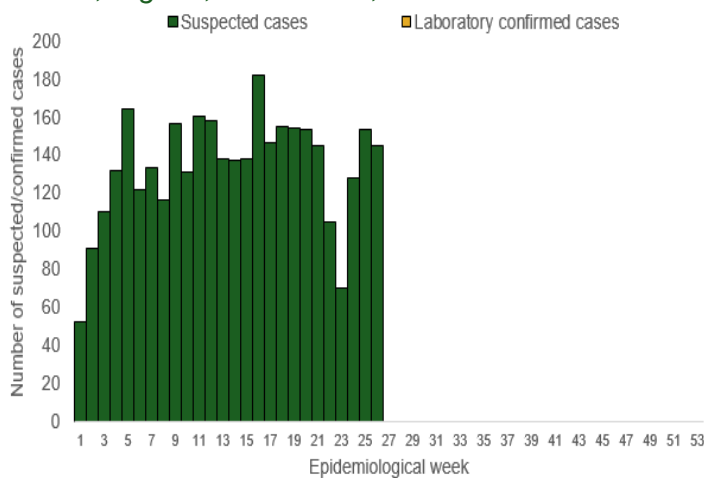
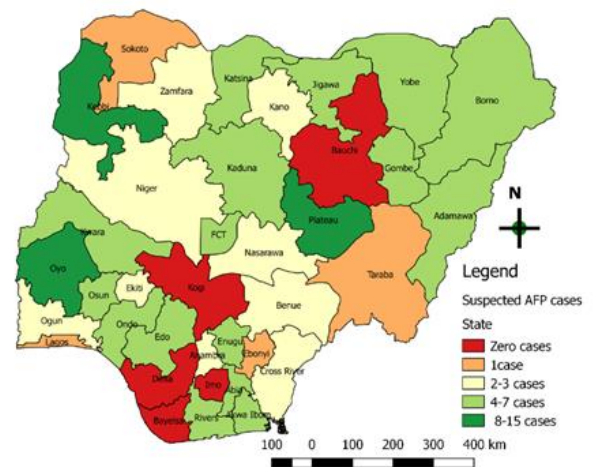


Figure 16: Location of suspected cases of AFP by State, Nigeria, week 26, 2019



Key points

- In the reporting week, 145 suspected cases of AFP were reported from 126 LGAs in 32 States

Actions

Planned:

- Complete documentation for certification presentation to NCC for review 5th – 9th August 2019
- NIPD phase 1 proposed for 13th – 16th July 2019 to be conducted in South-South zone, South-East zone, FCT as well as Ekiti, Ondo, Osun, Benue, Kogi, and Nasarawa states

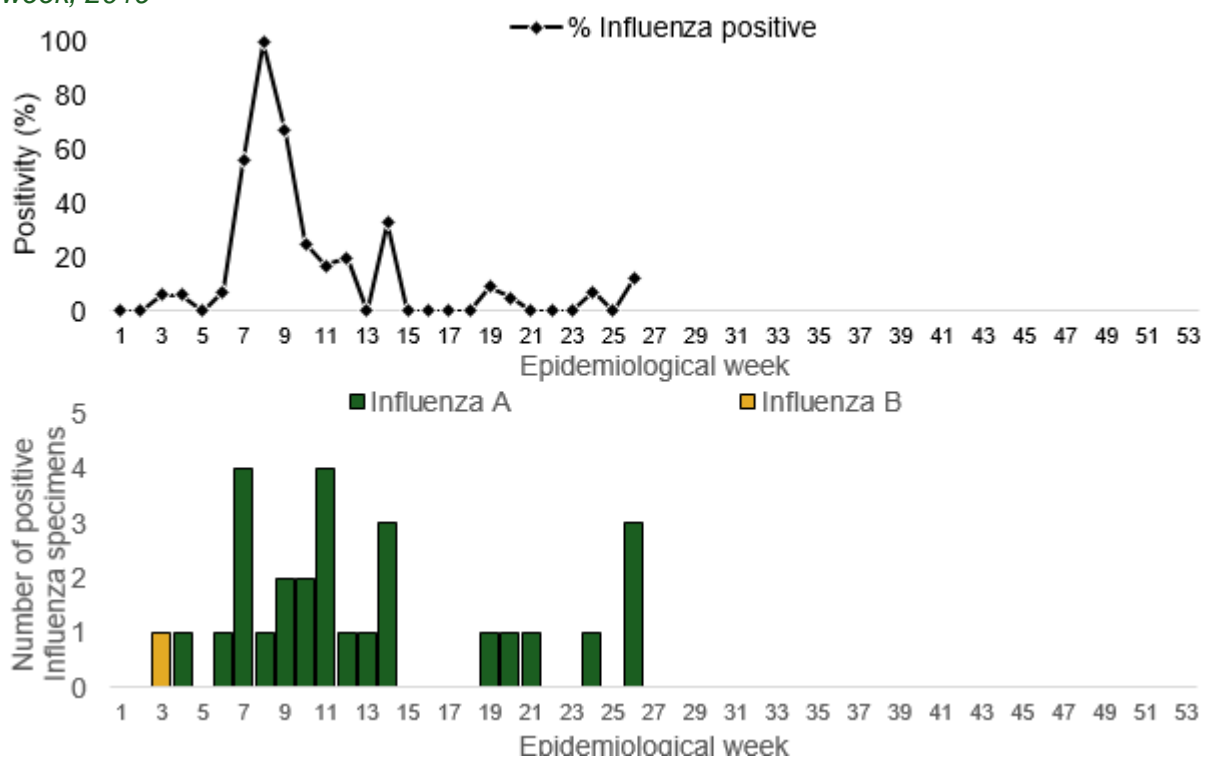
National Influenza Sentinel Surveillance

Year to date (week 1 – 26)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	256	233(91%)	23(9%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	33	1	29	1	4	0
Positivity (%)	12.9%	0.4%	12.5%	0.4%	17.4%	0%

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



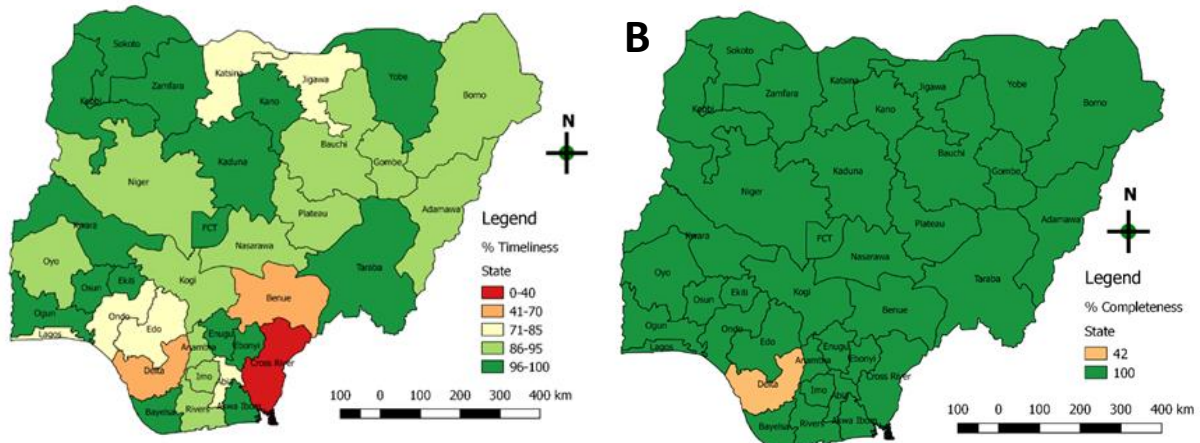
Key points

- The percentage influenza positive was highest (60%) in week 9

Timeliness and completeness of reports

Last 4 weeks (week 23 - 26, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 23 – 26, 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 23– 26	Year to date Week 1- 26
Reports sent on time	116	857
Reports sent late	27	94
Reports not received	5	11
Timeliness	78.4%	89%
Completeness	96.6%	99%

States with reports not received in 2019 (week 1 – 26)

State	Week(s) report not received
Bauchi	26
Delta	8, 10, 12, 20, 21, 22,23, 24, 25, 26

Timeliness and completeness of reports by state

Year to date (week 1 – 26)

State	Timeliness (%)	Completeness (%)
Abia	85	100
Adamawa	88	100
Akwa Ibom	96	100
Anambra	92	100
Bauchi	88	96
Bayelsa	100	100
Benue	50	100
Borno	88	100
Cross River	38	100
Delta	62	62
Ebonyi	96	100
Edo	85	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	92	100
Imo	88	100
Jigawa	77	100
Kaduna	96	100
Kano	100	100
Katsina	85	100
Kebbi	100	100
Kogi	88	100
Kwara	96	100
Lagos	81	100
Nasarawa	92	100
Niger	88	100
Ogun	100	100
Ondo	73	100
Osun	100	100
Oyo	92	100
Plateau	88	100
Rivers	92	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	96	100