



Weekly Epidemiological Report

Week 29: 15th – 21st July 2019

Highlight of the Week

NCDC Intensifies Efforts in the Control of Monkeypox in Nigeria Through Animal Surveillance



Since 2017 when the first monkeypox case was detected in Balyesa State after 39 years of the last outbreak in Nigeria, the disease has also been detected in other states. With the improved surveillance system, the Nigeria Centre for Disease Control (NCDC) has worked with states and partners to detect, respond and control the outbreaks.

Using the One Health approach, some of the strategies we use are enhanced case-based surveillance, deployment of multi-disciplinary response teams, development of One Health incident action plans, laboratory capacity strengthening, genetic sequencing and activation of emergency operation centres. NCDC has recently published a clinical and epidemiological report of the monkeypox outbreak in Nigeria, in the *Lancet Infectious Diseases* journal (see [link](#)).

In order to investigate and provide further evidence into the likely human, animal and environmental source of infection, as well as general predisposing factors and determinants of spread, NCDC is currently working with the Federal Ministry of Agriculture and Rural Development, National Veterinary Research Institute, US Centers for Disease Control and other partners. This is to carry out animal surveillance of mammals in selected states. Between July 1 and 12 2019, the Team was in Rivers state where trapping and laboratory methods were used to determine monkeypox virus prevalence in small mammals.

Currently, NCDC is working with partners to analyse the results from the field activities, which will define response activities and interventions. We are committed to strengthening the One Health approach to disease control which includes working closely with colleagues at the animal and environmental health components.

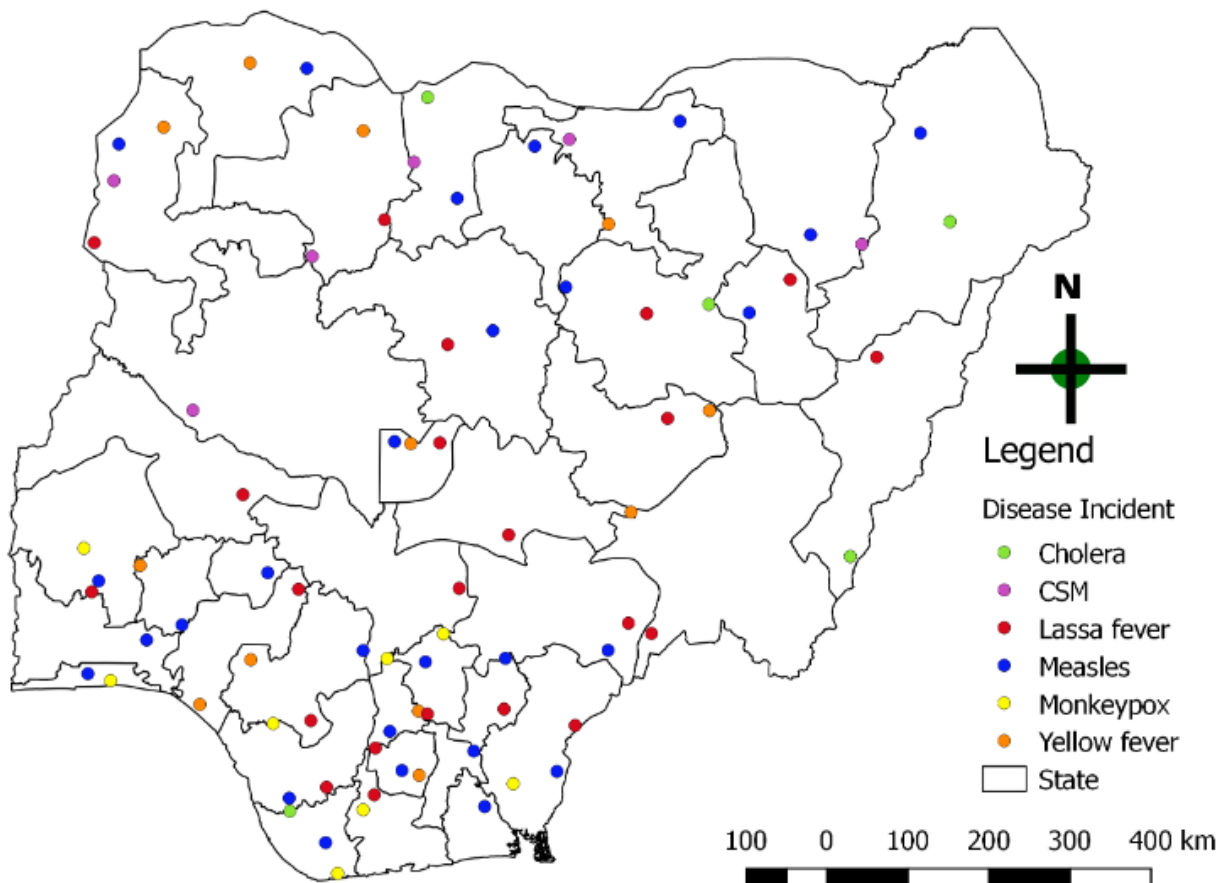
Summary of Incidents

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 29: 15th – 21st, July 2019

Lassa Fever_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
72 Suspected cases	21 Suspected cases	75 Suspected cases
9 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
4 Death(s)	0 Death(s)	10 Death(s)
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
225 Suspected cases	533 Suspected cases	4 Suspected case(s)
13 Confirmed cases	0 Confirmed cases	2 Confirmed cases
2 Death(s)	0 Death(s)	0 Death(s)
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	
126 Suspected cases	0 Suspected cases	
0 Confirmed Polio	0 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
83.1% Last 4 weeks	98% 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 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
72	9	4	State: 7 LGA: 16

Year to date (week 1 – 29)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
2238	3119	467	631	120	144	25.7%	22.8%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, week 1 – 29, 2019

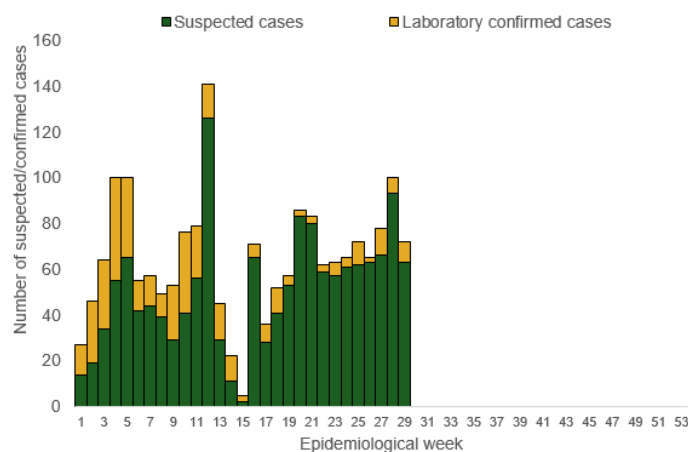
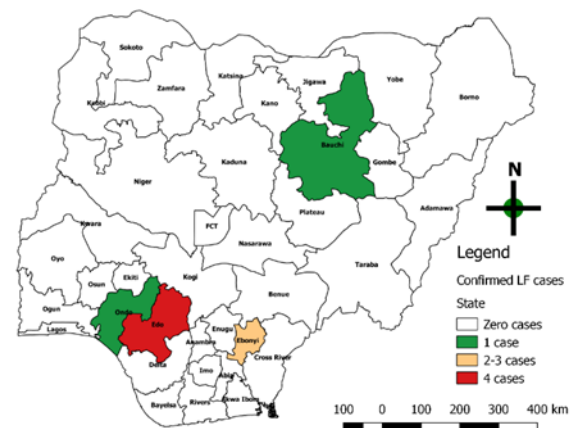


Figure 2: Location of **confirmed** cases of Lassa Fever by state, Nigeria, week 29, 2019



Key points

- There were 72 suspected cases of Lassa Fever reported from 16 LGAs in seven states (Edo – 45, Ondo – 11, Ebonyi – 6, Bauchi – 5, Nasarawa – 2, Plateau – 1 & Ogun - 2)
- One new Health Care Worker (HCW) was infected in Edo State in the reporting week. A total of 17 HCWs have been infected since the onset of the outbreak with two deaths

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:

- Conduct zonal (North and South) AAR meetings
- Support indigent patients with treatment cost through Basic Health Care Provision Funds
- Harmonisation of LF Laboratory and surveillance data into one database

Cerebrospinal Meningitis (CSM)

Week 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
21	0	0	State: 5 LGA: 9

Year to date (week 1 – 29)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4211	1500	318	101	352	74	8.4%	4.9%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 29, 2019

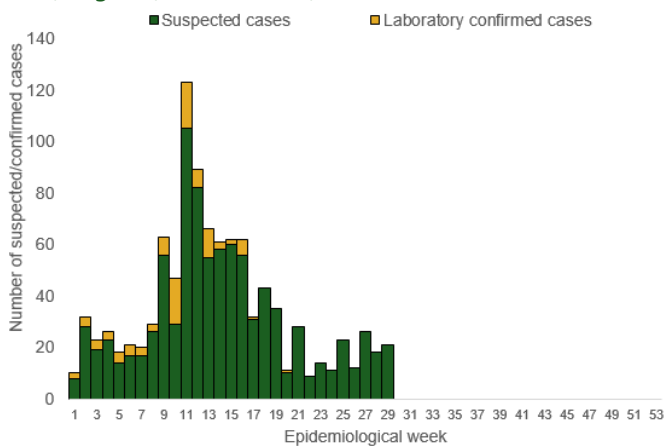
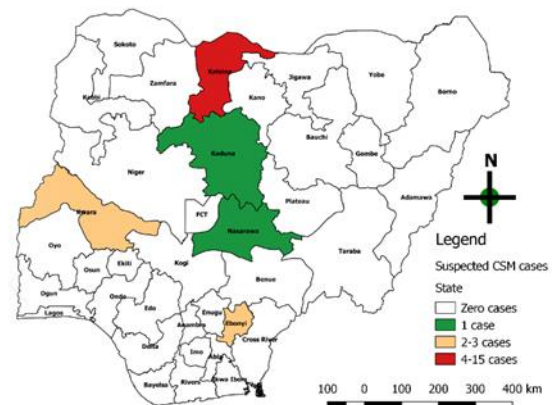


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 29, 2019



Key points

- There were 21 suspected cases of Cerebrospinal Meningitis reported from nine LGAs in five States (Ebonyi – 2, Kaduna – 1, Katsina – 15, Kwara – 2 & Nasarawa - 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:

- Development of final outbreak report
- Development and submission of a proposal to the Ethical Committee on the use of blood samples to diagnose CSM

Yellow Fever

Week 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
75	0	10	State: 21 LGA: 49

Year to date (week 1 – 29)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1413	1655	4	18	0	21	0%	1.3%

Figure 5: Number of suspected and confirmed cases of Yellow Fever, Nigeria, week 1 – 29, 2019

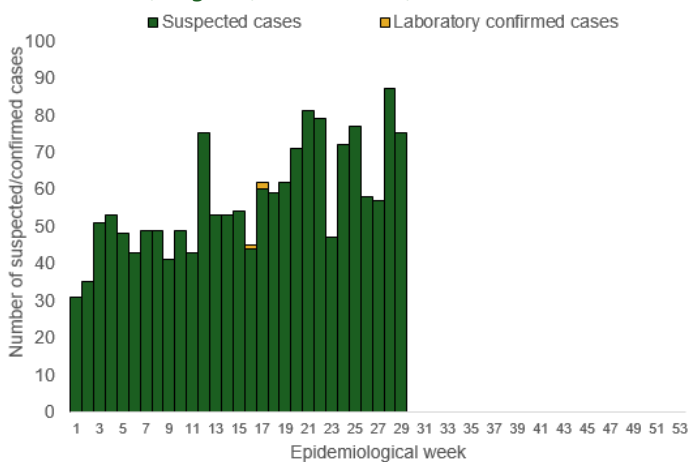
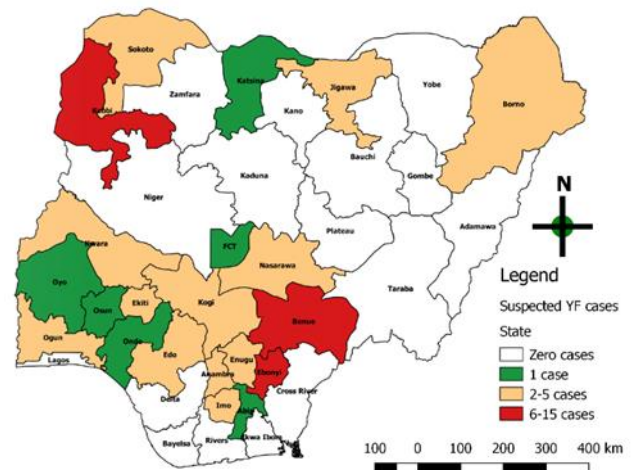


Figure 6: Location of suspected cases of Yellow Fever by State, Nigeria, week 29, 2019



Actions

To date:

- The multiagency YF TWG is coordinating national response activities
- Rapid Response Team deployed to Ebonyi State to support investigation and response
- Third draft of YF National Guideline on Preparedness and Response completed
- Finalisation of the YF National Guideline on Preparedness and Response commenced

Planned:

- Follow up with National Primary Health Care Development Agency (NPHCDA) for the 2019 Preventive Mass Vaccination Campaign (PMVC) to take place in the last quarter of 2019 in Katsina, Ekiti, Borno, Rivers States in Anambra states
- Train state surveillance teams on YF surveillance, reporting and documentation

Cholera

Week 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
225	13	2	State: 5 LGA: 10

Year to date (week 1 – 29)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
21523	1881	353	145	373	38	1.7%	2%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 29, 2019

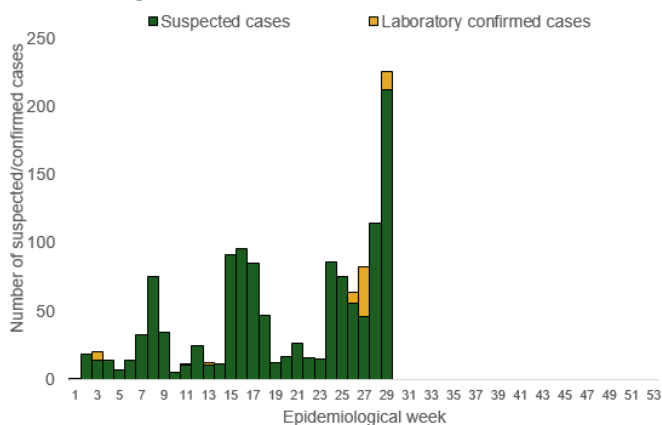
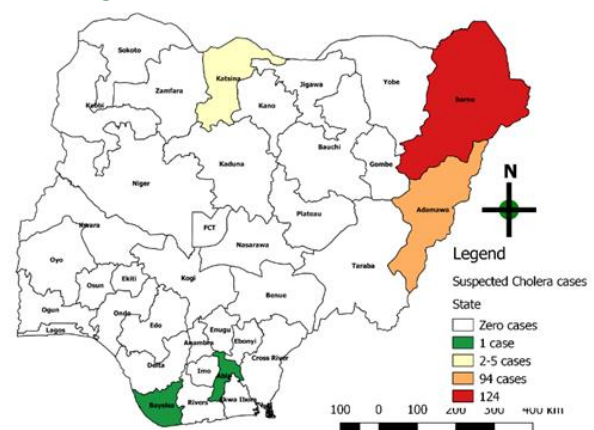


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 29, 2019



Key points

There were 225 suspected cases of cholera reported from 10 LGAs in five states (Abia – 1, Adamawa – 94, Bayelsa – 1, Borno - 124 & Katsina - 5). There were 13 laboratory confirmed and two deaths were recorded.

Actions

To date:

- The 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 is leading the response to cases in the state
- Rapid Diagnostic Test kits (RDTs) distributed to all LGA DSNOs and health facilities in high risk areas

Planned:

- Follow up with states to ensure continued surveillance and early reporting
- Deploy a team to conduct an in-depth investigation in Adamawa State

Measles

Week 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
533	0	0	State: 32 LGA: 160

Year to date (week 1 – 29)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
12505	49174	14	1969	96	252	0.8%	0.5%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 29, 2019

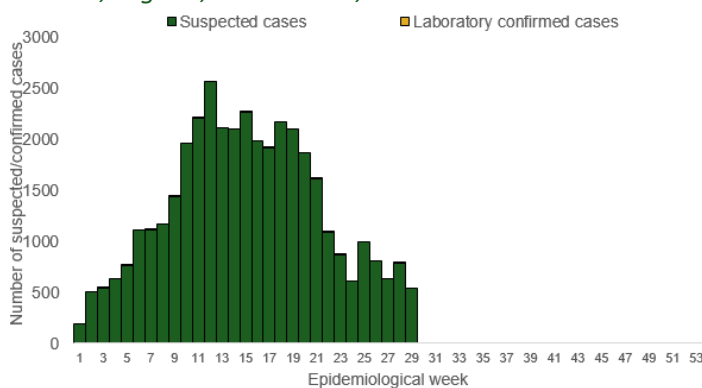
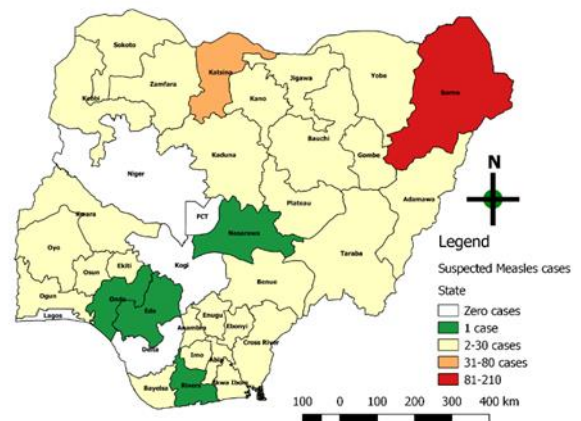


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 29, 2019



Key points

- There were 533 suspected cases of measles reported from 160 LGAs in 32 States. None was laboratory confirmed and no death was recorded

Actions

To date:

- The multi-agency National measles TWG is monitoring and coordinating response activities across the states
- A Rapid Response team (RRT) has been deployed to respond to measles outbreak in Kaduna state.
- The TWG is working closely with NPHCDA for immediate measles reactive vaccination in Igabi LGA of Kaduna state

Planned:

- Continued review of measles surveillance data across the country
- Continued planning for AAR and measles guideline review meeting

Monkeypox

Week 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
4	2	0	State: 2 LGA: 3

Year to date (week 1 – 29)

Suspected case s		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
60	57	29	31	1	1	1.7%	1.8%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–29, 2019

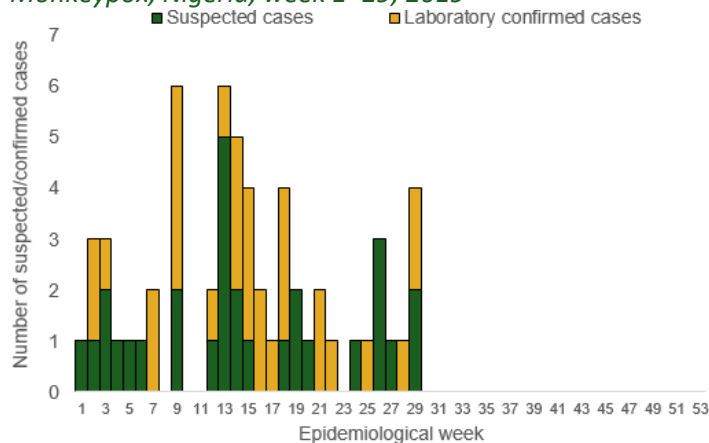
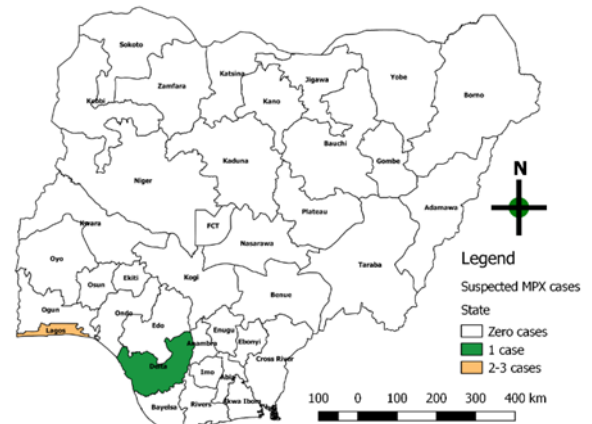


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 29, 2019



Key points

- There were four suspected cases of monkeypox reported from three LGAs in Lagos and Delta States. Two cases were confirmed and no death was recorded.

Actions

To date:

- Surveillance has been enhanced in all affected states
- Offsite support given to affected states

Planned:

- Regional monkeypox surveillance training to be conducted in South-East and South-South zones in August 2019
- Supportive supervision to non-reporting states in North-Central, South-East, South-West and South-South zones

Acute Flaccid Paralysis (AFP)

Week 29

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
126	0	0	State: 31 + FCT LGA: 111

Year to date (week 1 – 29)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4803	3902	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 29, 2019

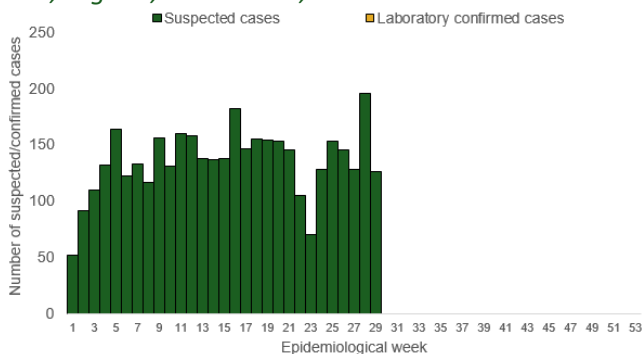
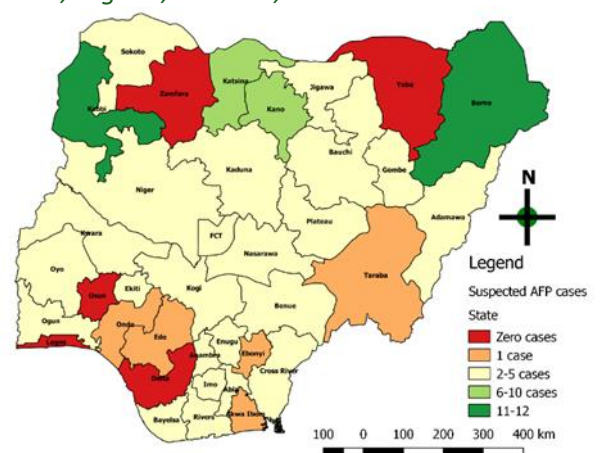


Figure 16: Location of suspected cases of AFP by State, Nigeria, week 29, 2019



Key points

- In the reporting week, 126 suspected cases of AFP were reported from 111 LGAs in 31 States and FCT

Actions

Planned:

- Complete documentation by the states on polio certification and presentation to National Committee on Certification for review from 5th – 9th August 2019

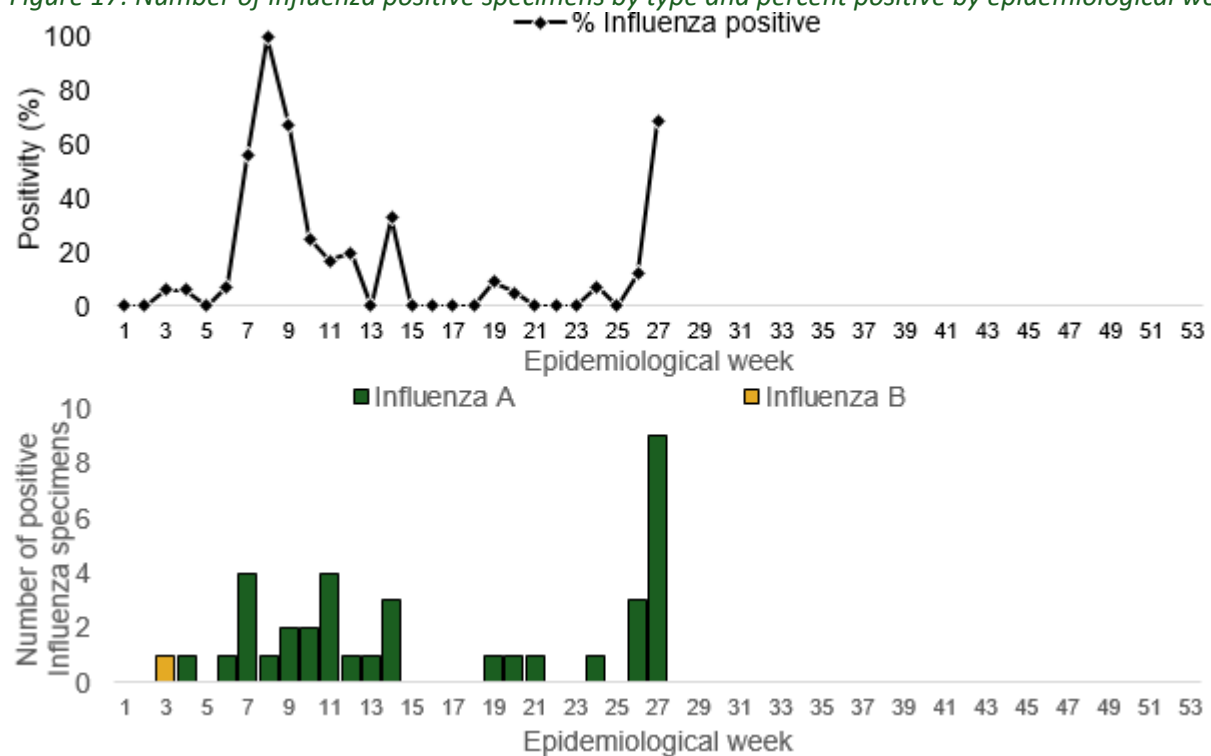
National Influenza Sentinel Surveillance

Year to date (week 1 – 29)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	269	246 (91.5%)	23 (8.5%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	36	1	32	1	4	0
Positivity (%)	14.6%	0.4%	13%	0.4%	17.4%	0%

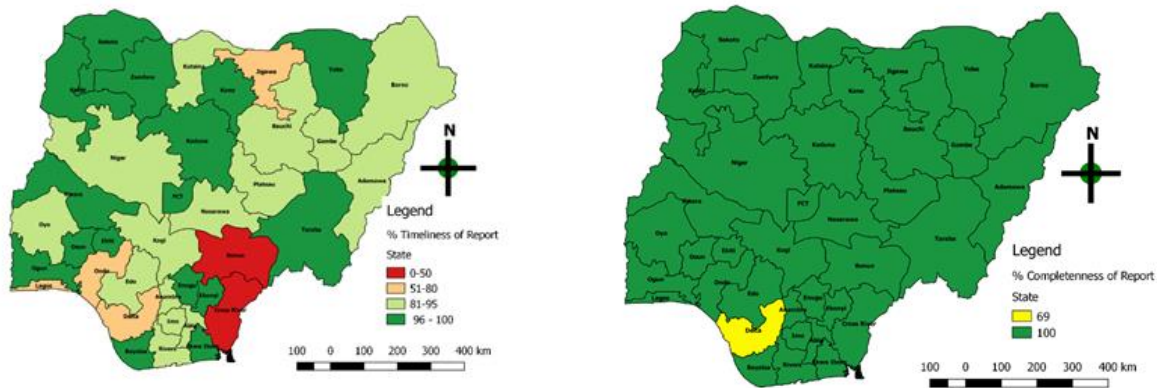
Figure 17: Number of influenza positive specimens by type and percent positive by epidemiological week, 2019



Timeliness and Completeness of Reports

Last 4 weeks (week 26 - 29, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 26 – 29, 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 26 – 29	Year to date Week 1- 29
Reports sent on time	123	951
Reports sent late	22	110
Reports not received	3	12
Timeliness	83.1%	89%
Completeness	98%	99%

State with reports not received in 2019 (week 1 – 29)

State	Week(s) report not received
Delta	8, 10, 12, 20, 21, 22, 23, 24, 25, 26, 27, 29

Timeliness and Completeness of Reports by State

Year to date (week 1 – 29)

State	Timeliness (%)	Completeness (%)
Abia	86	100
Adamawa	86	100
Akwa Ibom	97	100
Anambra	90	100
Bauchi	90	100
Bayelsa	100	100
Benue	48	100
Borno	90	100
Cross River	41	100
Delta	55	59
Ebonyi	97	100
Edo	86	100
Ekiti	100	100
Enugu	97	100
FCT	100	100
Gombe	93	100
Imo	90	100
Jigawa	79	100
Kaduna	97	100
Kano	100	100
Katsina	86	100
Kebbi	97	100
Kogi	86	100
Kwara	97	100
Lagos	79	100
Nasarawa	93	100
Niger	90	100
Ogun	97	100
Ondo	72	100
Osun	100	100
Oyo	90	100
Plateau	90	100
Rivers	90	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	97	100