



Weekly Epidemiological Report

Week 23: 3rd – 9th June, 2019

Highlight of the week

Learning from Nigeria's response to yellow fever outbreaks



In the last two years, Nigeria has experienced a resurgence of yellow fever with cases recorded in 19 states. A multi-agency, multi-partner incident management system (IMS) hosted at NCDC, has led the coordination of outbreak response activities. In line with the International Health Regulation Monitoring and Evaluation framework and to review response interventions, NCDC and partners led by WHO hosted a national YF after Action Review (AAR) meeting in Abuja, from 18-20 June 2019.

The AAR was carried out to review response activities for the 2017/2018 yellow fever outbreak, identify best practice and develop a long-term strategy for the control of yellow fever in Nigeria. The participants at the workshop included State Epidemiologists and health workers from the 19 states that have recorded cases, members of the National Yellow Fever Technical working Group (TWG) including representatives from Federal Ministry of Health, Federal Ministry of Environment, National Arbovirus and Vector Research Centre, World Health Organisation and other development partners.

Through interactive sessions and group exercises, the AAR provided an opportunity to review outbreak response around key technical areas such as coordination, surveillance, laboratory and case management, vaccines and logistics, vector control as well as risk communication. An important outcome of the meeting was the joint development of a work plan, with clear roles for every stakeholder involved in outbreak preparedness and response.

The NCDC remains committed to working with state epidemiologists, state Ministries of Health, partners and other relevant stakeholders to improving Nigeria's preparedness and response to yellow fever outbreaks. More importantly, states are enjoined to improve ownership and ensure implementation of the preparedness work plan.

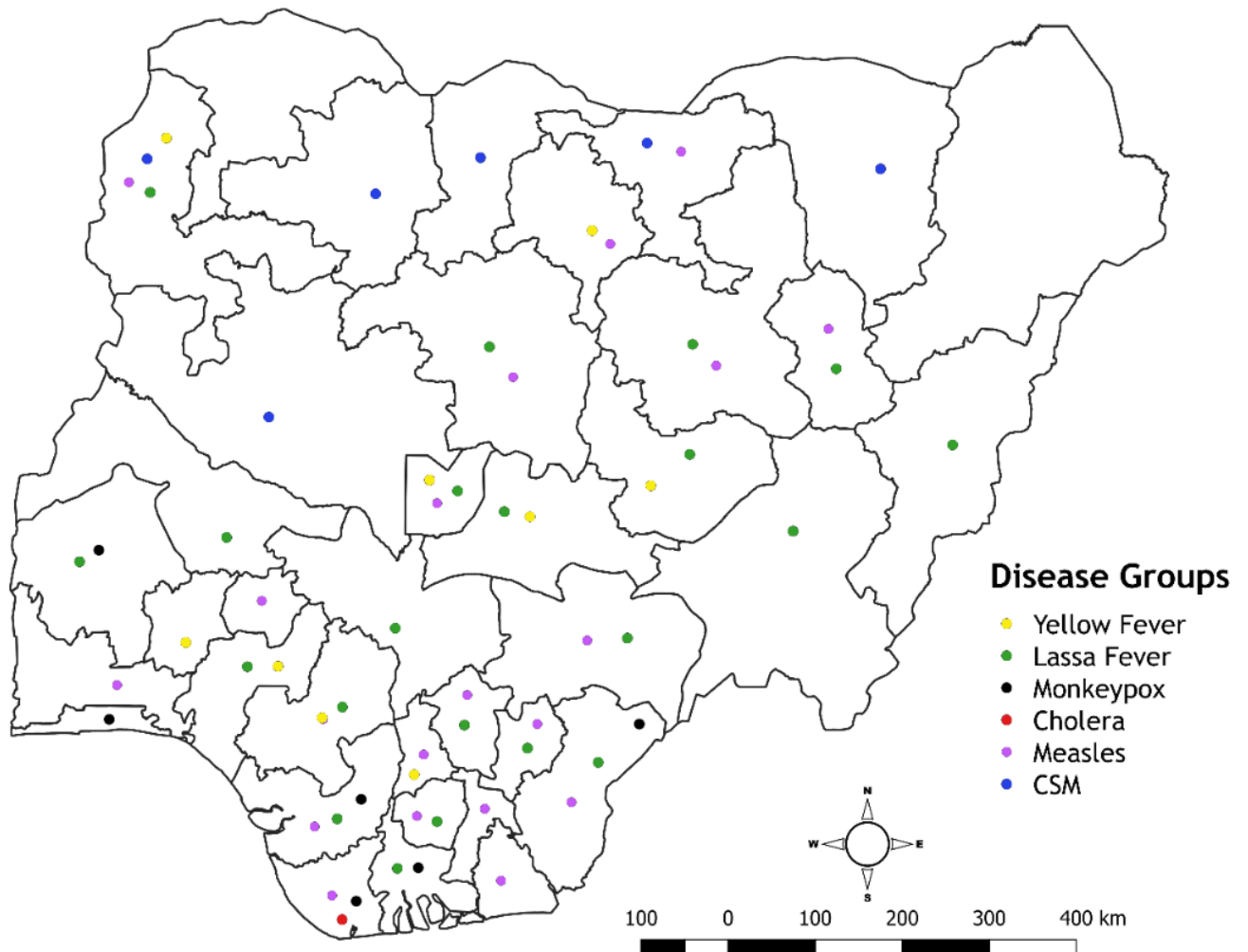
Summary of incidents

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 Measles).

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



Data source: SITAware

Summary

Week 23: 3rd – 9th June, 2019

Lassa Fever_{1,2}	Cerebrospinal Meningitis (CSM)_{3,4}	Yellow Fever_{3,4}
63 Suspected cases	10 Suspected cases	47 Suspected cases
6 Confirmed case(s)	0 Confirmed cases	0 Confirmed cases
1 Death(s)	0 Deaths	0 Deaths
Cholera_{3,4}	Measles_{3,4}	Monkeypox_{1,4}
15 Suspected cases	740 Suspected cases	0 Suspected case(s)
0 Confirmed cases	9 Confirmed cases	0 Confirmed cases
0 Deaths	1 Deaths	0 Deaths
Acute Flaccid Paralysis (AFP)_{3,4}	National Sentinel influenza surveillance₅	
78 Suspected cases	0 Suspected cases	
0 Confirmed Polio	0 Confirmed cases	

Timeliness of reports₃	Completeness of reports₃
84.5% Last 4 weeks	95.3% Last 4 weeks
90% 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 23

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
63	6	1	State: 11 LGA: 19

Year to date (week 1 – 23)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
1999	2699	437	587	109	131	24.9%	22.3%

Figure 1: Number of suspected and confirmed cases of Lassa Fever, Nigeria, week 1 – 23, 2019

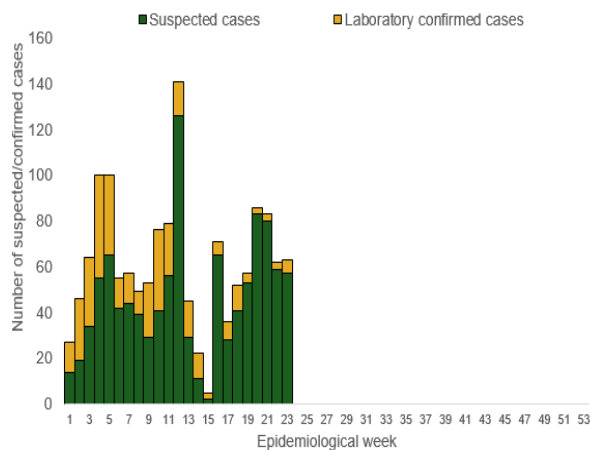
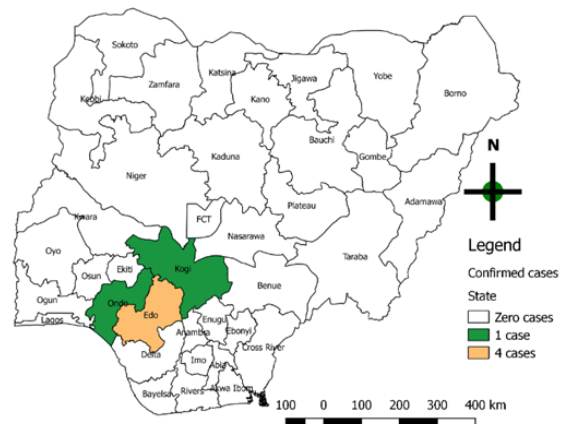


Figure 2: Location of **confirmed** cases of Lassa Fever by State, Nigeria, week 23, 2019



Key points

- There were 63 suspected cases of Lassa fever from 19 LGAs in 11 states (Edo - 45, Ondo - 6, Ebonyi - 2, Bauchi - 2, Plateau - 1, FCT – 1, Gombe – 1, Kogi – 1, Delta – 1, Kebbi – 1, & Zamfara - 2). Six cases from Kogi, Edo and Ondo states 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
- LF National Environmental Response, coordinated by Federal Ministry of Environment (FMoEnv) in collaboration with NCDC and supported by WHO was carried out in Edo and Ondo states
- Response commodities were distributed across 36 States, FCT and treatment centers

Planned:

- Conduct state level AAR meetings
- Support indigent patients with treatment cost through Basic Health Care Provision Funds

Cerebrospinal Meningitis (CSM)

Week 23

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
10	0	0	State: 7 LGA: 7

Year to date (week 1 – 23)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
4136	1318	318	96	352	65	8.5%	5%

Figure 3: Number of suspected and confirmed cases of CSM, Nigeria, week 1 – 23, 2019

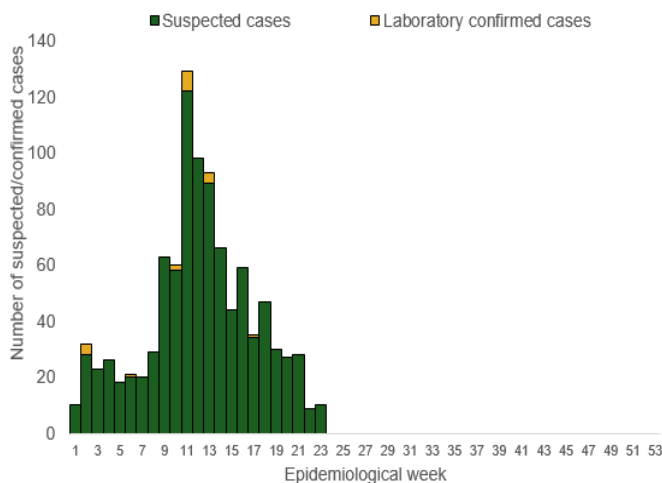
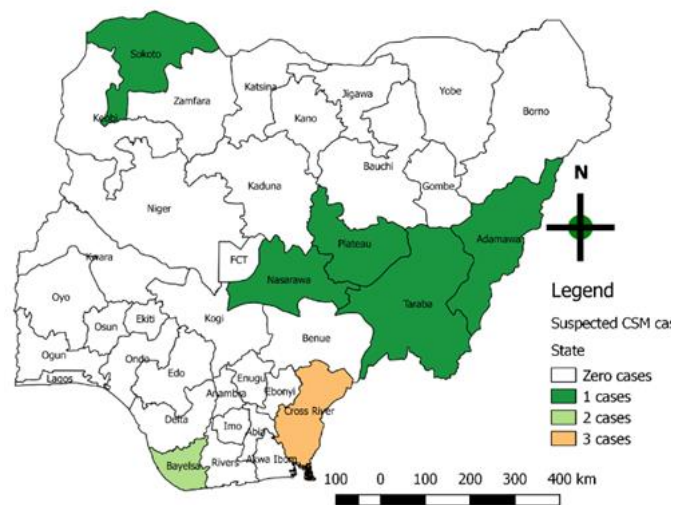


Figure 4: Location of suspected cases of CSM by State, Nigeria, week 23, 2019



Key points

- There were 10 suspected cases of Cerebrospinal Meningitis reported from seven LGAs in seven states (Adamawa – 1, Bayelsa – 2, Cross River – 3, Nasarawa – 1, Plateau – 1, Sokoto – 1, Taraba - 1). None was laboratory confirmed and no death was recorded

Actions

To date:

- The National CSM Technical Working Group meets weekly to review the situation

Planned:

- Intensify surveillance in all States by providing technical support
- Continue to follow-up with the states to enhance reporting and preparedness
- Data review and harmonization from SORMAS, national line list and laboratory data
- Review case investigation form and add the necessary variables into SORMAS
- Conduct a general review of the national data management process

Cholera

Week 23

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
15	0	0	State: 3 LGA: 4

Year to date (week 1 – 23)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
14217	796	184	8	186	28	1.3%	3.5%

Figure 7: Number of suspected and confirmed cases of Cholera, Nigeria, week 1 – 23, 2019

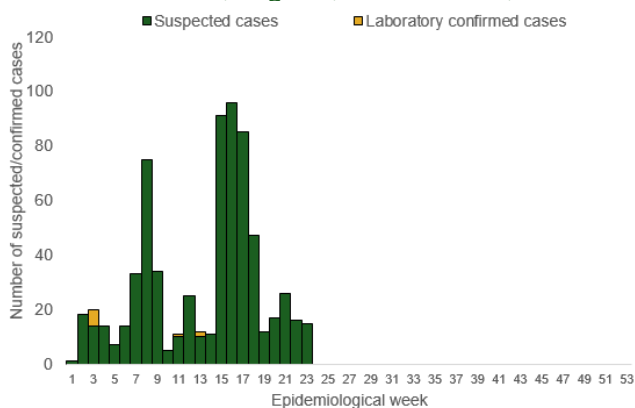
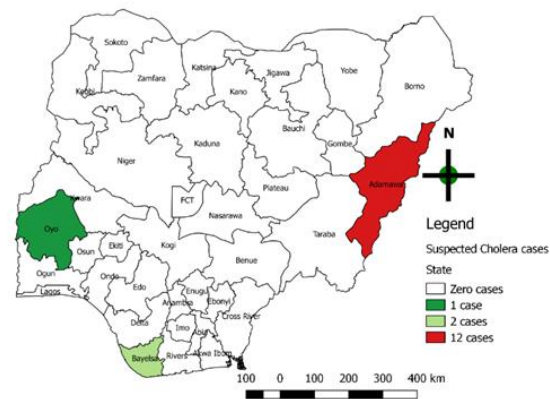


Figure 8: Location of suspected cases of Cholera by State, Nigeria, week 23, 2019



Key points

There were 15 suspected cases of cholera reported from four LGAs in three states (Adamawa – 12, Bayelsa – 2, Oyo - 1). None was laboratory confirmed and no death was recorded.

Actions

To date:

- NCDC Cholera Technical Working Group (TWG) continues to coordinate cholera activities in states in collaboration with Federal Ministry of Water Resources (FMWR) and support from partners
- Rapid Response Team deployed to support outbreak response in Adamawa state
- Routine monitoring of states through IDSR followed by calling states with suspected cases of Acute Watery Diarrhoea (AWD) weekly
- Contact with all States on enhanced surveillance
- State-wide sensitization on cholera has begun in Anambra and Benue states
- WaSH sector meeting by FMWR and partners

Planned:

- Continuous monitoring of all States
- Support all States on Cholera outbreak preparedness
- Print and disseminate IEC materials to all States
- Continue collaboration with FMWR, FMEEnv and partners

Measles

Week 23

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
740	9	1	State: 27 LGA: 124

Year to date (week 1 – 23)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
11068	34111	135	1492	94	99	0.8%	0.29%

Figure 11: Number of suspected and confirmed cases of Measles, Nigeria, week 1 – 23, 2019

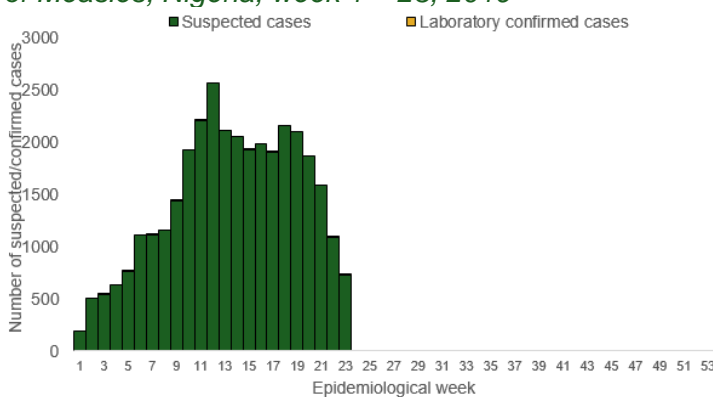
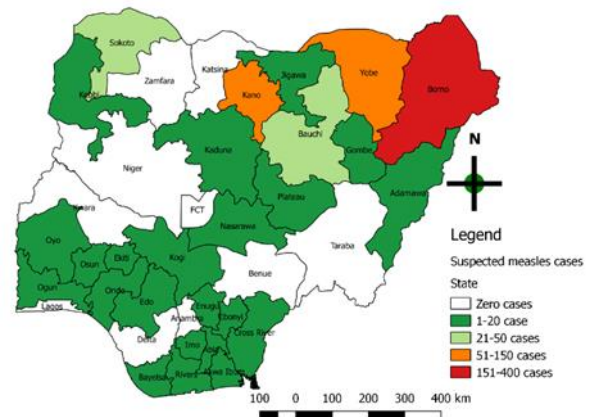


Figure 12: Location of suspected cases of Measles by State, Nigeria, week 23, 2019



Key points

- There were 740 suspected cases reported from 28 States. Nine cases were laboratory confirmed and one death was recorded

Actions

To date:

- National multi-agency measles EOC is monitoring and coordinating response activities across the States
- Conducted Risk assessment of the measles outbreak for possible de-escalation of response

Planned:

- Follow up with CPHL Lagos on throat swab specimen transportation for viral isolation and genotyping
- Intensify surveillance and update measles line list

Monkey pox

Week 23

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

Year to date (week 1 – 23)

Suspected case s		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
46	44	20	26	1	0	2.3%	0%

Figure 13: Number of suspected and confirmed cases of Monkeypox, Nigeria, week 1–23, 2019

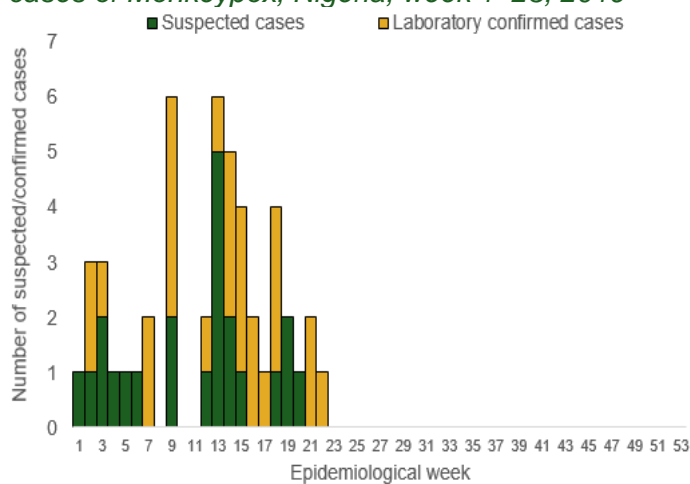
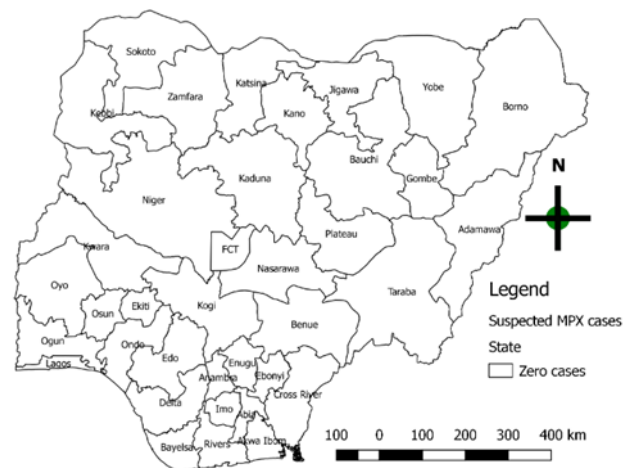


Figure 14: Location of suspected cases of Monkeypox by State, Nigeria, week 23, 2019



Key points

- There was no new reported case for the week.

Actions

To date:

- Surveillance has been enhanced

Planned:

- Supportive supervision visits to Bayelsa, Delta and Lagos States

Acute Flaccid Paralysis (AFP)

Week 23

Suspected cases	Confirmed cases	Deaths	Number of States and LGAs affected
78	0	0	State: 26 LGA: 72

Year to date (week 1 – 23)

Suspected cases		Confirmed cases		Deaths		CFR	
2018	2019	2018	2019	2018	2019	2018	2019
3774	3079	0	0	0	0	0%	0%

Figure 15: Number of suspected and confirmed cases of AFP, Nigeria, week 1– 23, 2019

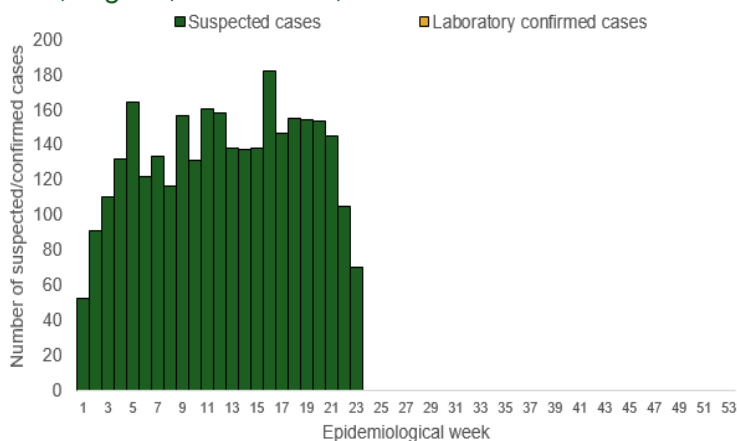
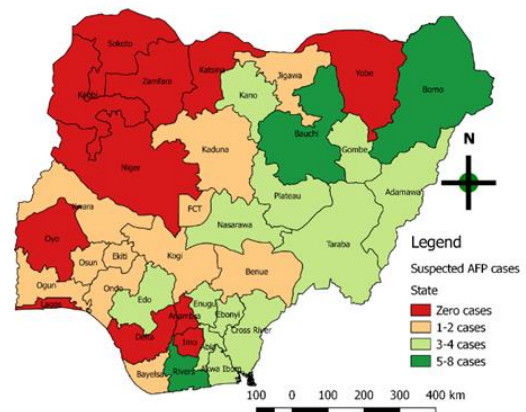


Figure 16: Location of suspected cases of AFP by State, Nigeria, week 23, 2019



Key points

- In the reporting week, 78 suspected cases of AFP were reported from 72 LGAs in 25 States and FCT
- As at 9th June, 2019, no new case of WPV was recorded
- The last reported case of polio in Nigeria was in August 2016

Actions

Planned:

- Submission of complete documentation for polio certification shifted to March 2020
- Outbreak response to CVDPV in the southwest states has been completed

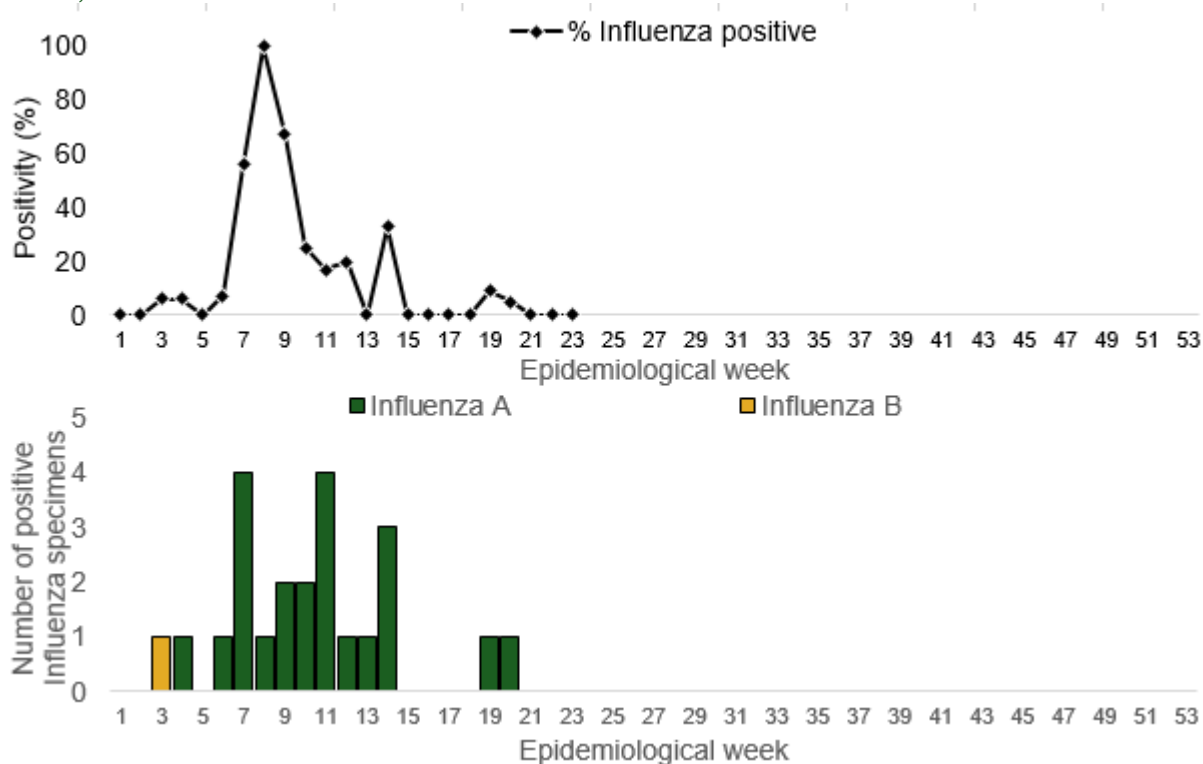
National Influenza Sentinel Surveillance

Year to date (week 1 – 23)

	Suspected cases	Suspected ILI	Suspected SARI
Number (Percentage)	200	184(92%)	16(8%)

	Confirmed cases		Confirmed ILI		Confirmed SARI	
	Influenza A	Influenza B	Influenza A	Influenza B	Influenza A	Influenza B
Number	24	1	19	1	3	0
Positivity (%)	12.7%	0.6%	9.8%	0.5%	18.8%	0%

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



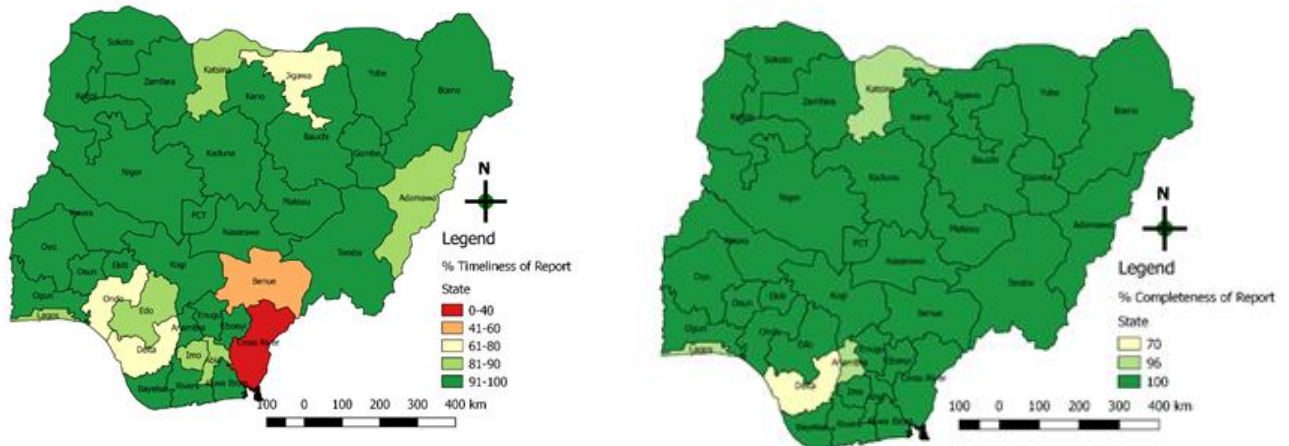
Key points

- There was a positive case of Influenza subtype A&B (4.15%)
- The predominant Influenza A subtype so far this year was A seasonal H3 19 (95%).
- The predominant Influenza B subtype so far this year was B not subtyped 2(100%).
- The percentage influenza positive was highest (60%) in week 9

Timeliness and completeness of reports

Last 4 weeks (week 20 - 23, 2019)

Figure 18: A – Timeliness by State (%); B – Completeness by State (%), week 20 – 23, 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 20 – 23	Year to date Week 1- 23
Reports sent on time	125	767
Reports sent late	16	74
Reports not received	7	10
Timeliness	84.5%	90%
Completeness	95.3%	99%

States with reports not received in 2019 (week 1 – 23)

State	Week(s) report not received
Anambra	23
Delta	8, 10, 12, 20, 21, 22, 23
Katsina	23
Lagos	23

Timeliness and completeness of reports by state

Year to date (week 1 – 23)

State	Timeliness (%)	Completeness (%)
Abia	87	100
Adamawa	87	100
Akwa Ibom	100	100
Anambra	91	96
Bauchi	96	100
Bayelsa	100	100
Benue	52	100
Borno	91	100
Cross River	39	100
Delta	70	70
Ebonyi	96	100
Edo	87	100
Ekiti	100	100
Enugu	100	100
FCT	100	100
Gombe	91	100
Imo	87	100
Jigawa	74	100
Kaduna	96	100
Kano	100	100
Katsina	83	96
Kebbi	100	100
Kogi	91	100
Kwara	96	100
Lagos	83	96
Nasarawa	91	100
Niger	91	100
Ogun	100	100
Ondo	74	100
Osun	100	100
Oyo	100	100
Plateau	91	100
Rivers	96	100
Sokoto	100	100
Taraba	100	100
Yobe	100	100
Zamfara	96	100